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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme White Lead and Color Works, Detroit, Mich. Prepared paints, varnishes, lacquers, etc. Serial No. 362,339; May 7. Class 16.

Adams, Wilbur Henry, & Associates, Cleveland, Ohio. Lumber, glass tile, finished building stone, etc. Serial No. 361,492; May 7. Class 12.

Alkadent Company. (See Rabinow, Harry L.)

Alto Products Company, Philadelphia, Pa. Coffee, salt, olives, etc. Serial No. 362,206; May 7. Class 46.

American Memorial Company, Atlanta, Ga. Tombstones and monuments. Serial No. 356,752; May 7. Class 50.

American Safety Razor Corporation, Brooklyn, N. Y. Shaving brushes. Serial No. 362,936; May 7. Class 29.

Anodex Laboratories. (See VonDellen, Arthur W.)

Asturr Trading Company, Inc., New York, N. Y. Gin, whiskey, and brandy. Serial No. 362,208; May 7. Class 49.

Atkins & Durbrow, Inc., New York, N. Y. Fertilizer and soil builder. Serial No. 362,864; May 7. Class 10.

Asa Mfg. Co., Chicago, Ill. Dancing shoe plates. Serial No. 349,357; May 7. Class 13.

Bacon Bottling Company, Hartford, Conn. Whiskey, gin, rum, etc. Serial No. 362,008; May 7. Class 49.

Baumberger, R. T., doing business as Travel-Ome Trailer Company, Los Angeles, Calif. Vehicles used as trailers for motor vehicles. Serial No. 360,264; May 7. Class 19.

Beeman, George W., Detroit, Mich. Lather type shaving cream. Serial No. 359,770; May 7. Class 4.

Beeman, George W., Detroit, Mich. Brushless shaving cream. Serial No. 359,771; May 7. Class 4.

Beeman, George W., Detroit, Mich. Cream skin conditioner. Serial No. 359,772; May 7. Class 6.

Belfrage, Frank B., doing business as LaMarge Products Company, Kansas City, Mo. Syringes and rubber water bags. Serial No. 362,660; May 7. Class 44.

Bellnker, Kenneth, doing business as Kenbel Products, Philadelphia, Pa. Liquid deodorant, cleaner and disinfectant. Serial No. 362,163; May 7. Class 6.

Belle Knitting Mills. (See Koeningsberg Brothers.)

Berger, Max, doing business as Pride of the Family Products Co., New York, N. Y. Foods—namely, catsup. Serial No. 363,088; May 7. Class 46.

Bethlehem Steel Company, Bethlehem, Pa. Wire bale ties. Serial No. 362,012; May 7. Class 13.

Bickum, Dorothy, New York, N. Y. Corsets, corselets, Brassières, etc. Serial No. 362,103; May 7. Class 39.

Biltmore Hotel. (See Long, Baron.)

Blackstock, Carl, doing business as Blackstock Lumber Co., Seattle, Wash. Shake lumber. Serial No. 362,661; May 7. Class 12.

Böhme, H. Th., Aktiengesellschaft, Chemnits, Germany. Chemical dye aids. Serial Nos. 362,211–18; May 7. Class 6.

Bon-Ton, Incorporated, Chicago, Ill. Distilled liquors. Serial No. 360,876; May 7. Class 49.

Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. Serial No. 350,077; May 7. Class 42.

Brittigan, Robert, Corporation, The, Chicago, Ill. Calculating device for measuring the length of goods or the number of articles by weight. Serial No. 362,905; May 7. Class 26.

Bruner-Ritter, Inc., New York, N. Y. Metallic wrist watch strap bracelets. Serial No. 363,036; May 7. Class 28.

Bulmerco, Inc., New York, N. Y. Cider. Serial No. 362,135; May 7. Class 45.

Burry Biscuit Corporation, Chicago, Ill. Cookies. Serial No. 362,165; May 7. Class 46.

Calvert Distilling Company, The, Relay, Md. Whiskey. Serial No. 362,067; May 7. Class 49.

Capex Company, Chicago, Ill. Artificially constructed pillars, backgrounds and the like. Serial No. 361,381; May 7. Class 12.

Caranol-Silverman Company, St. Louis, Mo. Wearing apparel. Serial No. 354,891; May 7. Class 39.

Carbonaire Beverage Dispenser Co. Inc., New York, N. Y. Apparatus for furnishing through a conduit to cooling beverage-containers and the like the cold vapor from dry ice the temperature and pressure of which vapor is controlled by suitable valves and gauges attached to the conduit and to the container of the apparatus in which the dry ice is placed for vaporizing. Serial No. 360,065; May 7. Class 23.

Cardel, Inc., St. Louis, Mo. Toilet lotions. Serial No. 362,251; May 7. Class 6.

Caron Spinning Company, Rochelle, Ill. Yarn. Serial No. 362,347; May 7. Class 43.

Catevenis, Crist E., doing business as Herb Product Co., Fort Lauderdale, Fla. Preparation for the treatment of piles. Serial No. 362,558; May 7. Class 6.

Central Fibre Products Co., Hutchinson, Kans. Wall board. Serial No. 362,610; May 7. Class 12.

Central Radio Laboratories, Milwaukee, Wis. Variable resistance devices used as volume controls for radio receiving sets. Serial No. 362,013; May 7. Class 21.

Century Distilling Co., Peoria, Ill. Whiskey. Serial No. 360,988; May 7. Class 49.

Century Distilling Co., Peoria, Ill. Whiskey. Serial No. 361,163; May 7. Class 49.

Century Distilling Co., Peoria, Ill. Whiskey. Serial Nos. 362,292–4; May 7. Class 49.

Century Distilling Co., Peoria, Ill. Whiskey. Serial Nos. 362,666–8; May 7. Class 49.

Chevette, Inc., New York, N. Y. Ladies' silk underwear. Serial No. 361,798; May 7. Class 39.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey, gin, brandy, etc. Serial Nos. 362,803–4; May 7. Class 49.

Collins, Clyde, Chemical Co., Inc., Memphis, Tenn. Maltless beverages and syrups and extracts for making the same. Serial No. 360,216; May 7. Class 45.

Colorado Fuel and Iron Products Company, The, Denver, Colo. Metal strap ties for bales and the like. Serial Nos. 362,014–15; May 7. Class 13.

Colorado Fuel and Iron Products Company, The, Denver, Colo. Metal strap ties for bales and the like. Serial No. 362,017; May 7. Class 13.

Colovos, George, doing business as Oriental Laboratories, Chicago, Ill. Polish and dressings for shoes and burnishing inks. Serial No. 362,166; May 7. Class 4.

Consolidated Packing Company, San Francisco, Calif. Dried fruits. Serial No. 363,156; May 7. Class 46.

Continental Coffee Company, Chicago, Ill. Coffee. Serial No. 362,772; May 7. Class 46.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 361,879; May 7. Class 49.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Convertible Door Manufacturing Company, Milwaukee, Wis. Wood structures. Serial No. 362,297; May 7. Class 12.

Cool Maid Candy Company, Salt Lakek City, Utah. Maltless powder. Serial No. 362,678; May 7. Class 45.

Coty, Inc., Wilmington, Del. Lipsticks, perfumes, toilet waters, etc. Serial No. 359,344; May 7. Class 6.

Cowan and Cowan, Inc., Buffalo, N. Y. Laxatives. Serial No. 362,071; May 7. Class 6.

D E G E A Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Gas masks, respirators, dental appliances for the examination of the gums, etc. Serial No. 355,663; May 7. Class 44.

Day & Young, Santa Clara, Calif. Fresh deciduous fruits and vegetables. Serial No. 361,569; May 7. Class 46.

Dennis, William J., Des Moines, Iowa. Cube roots and cube root extract, etc. Serial No. 357,370; May 7. Class 6.

Detroit Dental Manufacturing Co., Detroit, Mich. Dental waxes. Serial No. 362,674; May 7. Class 44.

De Villani, Jean L., Paris, France. Beauty oil. Serial No. 358,091; May 7. Class 6.

Deward & Rich, Inc. (See Lloyd & Elliott, Inc., assignor.)

Doctors, Dorothea, Inc., New York, N. Y. Ladies' undergarments. Serial No. 359,576; May 7. Class 39.

Drioli, Francesco, Zara, Italy. Cordials. Serial Nos. 362,868–9; May 7. Class 49.

Elite Laundry Company, Inc., Philadelphia, Pa. Cloth laundry bags. Serial No. 362,813; May 7. Class 2.

El Rey Products Co., Los Angeles, Calif. Composition shingles, composition roofing, composition siding material, etc. Serial No. 359,784; May 7. Class 12.

El Rey Products Co., Los Angeles, Calif. Plastic roof cement and asbestos fiber roof coating. Serial No. 359,785; May 7. Class 12.

Englander, Jacob, doing business as Federal Products Co., East Orange, N. J. Whiskey, gin, rum, etc. Serial No. 360,824; May 7. Class 49.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. Serial No. 363,317; May 7. Class 22.

Fauss, Charles, Jr., doing business as Charles Fauss Jr. & Co., Newport, Ky. Whiskey, gin, rum, etc. Serial No. 361,953; May 7. Class 49.

Federal Products Co. (See Englander, Jacob.)

Firestone Tire & Rubber Company, The, Akron, Ohio. Hose cutting knives, tire builders' knives, and separate blades therefor, vibration insulator mountings, etc. Serial No. 362,815; May 7. Class 23.

Fitchburg Yarn Company, Fitchburg, Mass. Yarns. Serial No. 362,108; May 7. Class 43.

Ford Pharmacal Company, The, Cleveland, Ohio. Medicinal preparation, being a rubifacient in ointment form. Serial No. 362,025; May 7. Class 6.

Fort Pitt Brewing Company, Inc., Sharpsburg, Pa. Beer. Serial No. 363,214; May 7. Class 48.

Gamewell Company, The, Newton, Mass. Electric storage batteries and parts thereof. Serial No. 362,359; May 7. Class 21.

General Milk Company, Inc., New York, N. Y. Full cream sweetened condensed milk. Serial No. 361,732; May 7. Class 46.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Germano, A., & Sons, New York, N. Y. Canned fruits, fish, and vegetables, etc. Serial No. 361,090; May 7. Class 46.

Gibraltar Electric Clock Co., Inc., Jersey City, N. J. Electric sockets. Serial No. 362,898; May 7. Class 21.

Gilmore Oil Company, Los Angeles, Calif. Lubricating oils and greases, and gasoline. Serial No. 362,361; May 7. Class 15.

Goldblatt Bros., Inc., Chicago, Ill. Bed sheets and pillow cases. Serial No. 361,657; May 7. Class 42.

Goodman, H., Inc., Cleveland, Ohio. Mattresses. Serial No. 361,415; May 7. Class 32.

Goudey Gum Co., The, Boston, Mass. Chewing gum. Serial No. 356,501; May 7. Class 46.

Grand Union Company, The, New York, N. Y. Coffee. Serial No. 361,740; May 7. Class 46.

Grant, J. H. R., New York, N. Y. Tinsel threads. Serial No. 362,225; May 7. Class 43.

Graves, C. H., & Sons Company, Boston, Mass. Gin. Serial No. 362,078; May 7. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Whiskey and gin. Serial No. 362,079; May 7. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Gin. Serial Nos. 362,080–1; May 7. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Whiskey. Serial No. 362,082; May 7. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Gin. Serial No. 362,172; May 7. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Gin and apricot liqueur. Serial No. 362,255; May 7. Class 49.

Greenhill & Daniel, Inc., Brooklyn, N. Y. Knitted bathing suits, knitted sweaters, brassières, etc. Serial No. 360,271; May 7. Class 39.

Greenspan Bros. Company, Perth Amboy, N. J. Brandy, gin, and whiskey. Serial No. 361,961; May 7. Class 49.

Greenwood, Thomas B., San Antonio, Tex. Salve for athlete's foot and other skin infections. Serial No. 361,447; May 7. Class 6.

Gristede Bros. Inc., New York, N. Y. Tomato juice cocktail, chili sauce, and ketchup. Serial No. 360,273; May 7. Class 46.

Gross, Samuel J., Brooklyn, N. Y. Polishing powder for cleaning and polishing porcelain, tile, mirrors, etc. Serial No. 362,174; May 7. Class 4.

Guthridge, Charles E., doing business as Re-Ge-Na Medicine Co., Roanoke, Va. Headache powders. Serial No. 360,950; May 7. Class 6.

Haardt & Co. Aktiengesellschaft, Dusseldorf, Germany. Measuring apparatus using high tension electric currents. Serial No. 360,279; May 7. Class 26.

Haire Publishing Company, Inc., The, New York, N. Y. Section of a periodical publication. Serial No. 360,095; May 7. Class 38.

Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 362,088; May 7. Class 39.

Henkes', J. H., Distilleerdery, N. V., doing business as J. H. Henkes' Distillery, Rotterdam, Netherlands. Gin. Serial No. 361,963; May 7. Class 49.

Hepa Laboratories Incorporated, Cleveland, Ohio. Laxative compound. Serial No. 361,144; May 7. Class 6.

Herb Product Co. (See Catevenis, Crist E.)

Hillerich & Bradsby Company, Louisville, Ky. Golf clubs. Serial No. 362,823; May 7. Class 22.

Holst-Knudsen, S., New York, N. Y. Cheese. Serial No. 358,962; May 7. Class 46.

Home Cine-Cameras Limited, London, England. Kinematograph apparatus and parts therefor and kinematograph films. Serial No. 359,036; May 7. Class 26.

Hoof Products Company, Chicago, Ill. Carburetors and governors for internal combustion engines. Serial No. 354,727; May 7. Class 23.

Hopkins & Carlish Inc., New York, N. Y. Jewelry. Serial No. 359,893; May 7. Class 28.

Horder's Incorporated, Chicago, Ill. Lead pencils and leads. Serial No. 354,652; May 7. Class 37.

International Silver Company, Meriden, Conn. Sterling silver and silver-plated articles of hollow-ware and toilet-ware. Serial No. 362,875; May 7. Class 28.

Isaacson Iron Works, Seattle, Wash. Ground breaking machine. Serial No. 361,750; May 7. Class 23.

Jackman, Herbert E., Rochester, N. Y. Table board game. Serial No. 360,070; May 7. Class 22.

Jacobson, Hilding L., doing business as Jacobson Smelting & Refining Co., Omaha, Nebr. Dental golds, dental casting, inlay gold, etc. Serial No. 355,476; May 7. Class 6.

Keasbey & Mattison Company, Ambler, Pa. Mineral insulating material. Serial No. 361,905; May 7. Class 12.

Kembel Products. (See Bellinker, Kenneth.)

Kent Tobacco Company, Inc., New York, N. Y. Cigarettes. Serial Nos. 362,421–4; May 7. Class 17.

King Kola Mfg. Co., Granite City, Ill. Maltless beverages and syrups for making the same. Serial No. 362,059; May 7. Class 45.

Klosner, I. B., Rubber Company, New York, N. Y. Sanitary bloomers and step-ins. Serial No. 362,474; May 7. Class 44.

Koeningsberg Brothers, doing business as Belle Knitting Mills, New York, N. Y. Piece goods. Serial No. 359,533; May 7. Class 42.

La Marge Products Company. (See Belfrage, Frank R.)

Lauhoff, Henry, Cereal Mills, Inc., Detroit, Mich. Rice flakes and cereals. Serial No. 337,960; May 7. Class 1.

Lees, James, & Sons Company, Bridgeport, Pa. Woolen, worsted, rayon, and mohair yarns. Serial No. 362,579; May 7. Class 43.

Lees, James, & Sons Company, Bridgeport, Pa. Woolen, worsted, rayon, and mohair yarns. Serial No. 362,582; May 7. Class 43.

Lilly, Eli, and Company, Indianapolis, Ind. Preparation for prevention of respiratory infections. Serial No. 362,205; May 7. Class 6.

Lily of France Corset Company, Inc., New York, N. Y. Corsets. Serial No. 361,892; May 7. Class 39.

Lloyd & Elliott, Inc., assignor to Deward & Rich, Inc., New York, N. Y. Advertising circulars. Serial No. 354,378; May 7. Class 38.

Loeb, Il., & Co., Inc., New York, N. Y. Underwear, bathing suits, sport coats, etc. Serial No. 360,889; May 7. Class 39.

Long, Baron, doing business as Biltmore Hotel, Los Angeles, Calif. Whiskey. Serial No. 362,743; May 7. Class 49.

Lorczak, Stephen A., doing business as S-L-Herbs, Newark, N. J. Medicinal tea. Serial No. 361,975; May 7. Class 6.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections, ice creams, custards, etc. Serial No. 363,176; May 7. Class 46.

Lutes, Clarence M., Kalamazoo, Mich. Trailers. Serial No. 357,825; May 7. Class 19.

Lymans Limited, Montreal, Quebec, Canada. Prophylactic rubber articles. Serial No. 361,528; May 7. Class 44.

Lyon, A., Los Angeles, Calif. Whiskey. Serial Nos. 362,744–5; May 7. Class 49.

Majestic Distilling Company, Baltimore, Md. Whiskey, rum, gin, etc. Serial No. 362,119; May 7. Class 49.

Majestic Distilling Company, Baltimore, Md. Whiskey, rum, gin, etc. Serial No. 362,696; May 7. Class 49.

Marinette Knitting Mills, Marinette, Wis. Wearing apparel. Serial No. 355,365; May 7. Class 39.

Marlene Company of Washington, D. C., The, Washington, D. C. Face powder, cold cream, perfume, etc. Serial No. 359,474; May 7. Class 6.

Martinet, Plat et Cie. (See Plat et Cie, Ltd.)

Maryland Distillery, Inc., Relay, Md. Whiskey. Serial Nos. 361,894–5; May 7. Class 49.

May Hosiery Mills, Inc., Burlington, N. C. Hosiery. Serial No. 363,110; May 7. Class 39.

Mayer & Lowenstein, Inc., San Francisco, Calif. Coats, jackets, vests, and trousers. Serial No. 361,103; May 7. Class 39.

McCutcheon, James, & Co., New York, N. Y. Novelty jewelry. Serial No. 360,570; May 7. Class 28.

McCutcheon, James, & Co., New York, N. Y. Women's clothing. Serial No. 360,571; May 7. Class 39.

McLean, Andrew, Company, Passaic, N. J., and New York, N. Y. Paper and textile goods in the piece, coated with a resinous base plastic composition. Serial No. 361,979; May 7. Class 50.

McMillan Bros., LaConner, Wash. Canned peas. Serial No. 362,698; May 7. Class 46.

Miles, R. L., doing business as J. H. Miles & Company, Norfolk, Va. Fresh shucked raw oysters. Serial No. 356,734; May 7. Class 46.

Milo Undergarment Co., New York, N. Y. Ladies' slips, nightgowns, pajamas, panties, etc. Serial No. 362,036; May 7. Class 39.

Montague, Joseph F., New York, N. Y. Column of a newspaper or magazine and for booklets. Serial No. 354,689; May 7. Class 38.

Montague, Joseph F., New York, N. Y. Column of a newspaper or magazine and for booklets. Serial No. 354,691; May 7. Class 38.

Mueller, Charles E., Cedar Rapids, Iowa. Insecticides. Serial No. 359,397; May 7. Class 6.

Mugge, E., Company, Incorporated, Tampa, Fla. Whiskey, rum, gin, etc. Serial Nos. 363,009–13; May 7. Class 49.

Nannette Manufacturing Co., Philadelphia, Pa. Children's dresses, boys' suits, play-togs, etc. Serial No. 361,211; May 7. Class 39.

National Biscuit Company, New York, N. Y. Bakery products—namely, biscuit. Serial No. 362,039; May 7. Class 46.

National Steel Barrel Company, The, Cleveland, Ohio. Metal shipping and storing drums and barrels. Serial No. 362,523; May 7. Class 2.

National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey. Serial No. 362,792; May 7. Class 49.

Nen Co., The. (See Pitz, Matthias N.)

Nuiomoline Company, The, New York, N. Y. Macerated cocoanut in puree form. Serial No. 363,228; May 7. Class 46.

Odornokker Company, Ontario, Calif. Breath deodorant. Serial No. 362,526; May 7. Class 6.

CARNEGIE LIBRARY OF ATLANTA

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Oehler, Elmer C., Lodi, Calif. Fresh grapes, fresh citrus fruits, fresh deciduous fruits, etc. Serial No. 358,684; May 7. Class 46.

Ohio River Refining and Terminal Company, Cincinnati, Ohio. Gasoline. Serial No. 362,838; May 7. Class 15.

Oil Well Supply Company, Dallas, Tex. Rotaries, (machines for rotating drill pipe and bit in the process of drilling), mud hog pumps, stuffing boxes, and swivels. Serial No. 359,552; May 7. Class 23.

Old Collins Company, Inc., Distillers, New York, N. Y. Gin, whiskey, brandy, etc. Serial Nos. 361,982–3; May 7. Class 49.

Old Faithful Corporation, Inc., Bloomfield, N. J. Covered syphons and bulbs or capsules for compressed liquid gas. Serial No. 363,370; May 7. Class 2.

Old Reliable Distributors, Inc., New Orleans, La. Gin, brandy, and whiskey. Serial No. 362,880; May 7. Class 49.

Old Timers Remedies, Inc., Chicago, Ill. Foot powder, a deodorant powder and a tooth powder. Serial No. 362,266; May 7. Class 6.

Oriental Laboratories. (See Colovos, George.)

Ostermann, Fried, Co., Milwaukee, Wis. Gloves. Serial No. 361,111; May 7. Class 39.

Pacific Beverage Distributors, Ltd., Los Angeles, Calif. Whiskey. Serial No. 360,856; May 7. Class 49.

Pacific Beverage Distributors, Ltd., Los Angeles, Calif. Whiskey. Serial No. 361,900; May 7. Class 49.

Paramount Distributing Corp., Brooklyn, N. Y. Whiskey. Serial No. 361,902; May 7. Class 49.

Paramount Wedding Ring Company. (See Sager, Abraham.)

Parker-Myer-Dennis Company, Dubuque, Iowa. Fibrous cord. Serial No. 363,372; May 7. Class 7.

Parker-Russell Mining & Manufacturing Company, The, St. Louis, Mo. Fire clay products. Serial No. 361,025; May 7. Class 12.

Perlstein Brothers, New York, N. Y. Sole leather. Serial No. 358,026; May 7. Class 1.

Pfeiffer Brewing Company, Detroit, Mich. Malt beverages and liquid malt for making such beverages. Serial No. 354,659; May 7. Class 48.

Plat et Cie, Ltd., doing business as Martinet, Plat et Cie., Macon, France. Wines. Serial No. 347,518; May 7. Class 47.

Pitz, Matthias N., doing business as The Nen Co., Neenah, Wis. Preparation for relief of ailments and irritation due to sweaty feet, etc. Serial No. 361,284; May 7. Class 6.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskies, brandies, gins, etc. Serial Nos. 362,589–93; May 7. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskies, brandies, gins, etc. Serial No. 362,594; May 7. Class 49.

Pride of the Family Products Co. (See Berger, Max.)

Puhl, John, Products Co., The, Chicago, Ill. Ammonia. Serial No. 362,270; May 7. Class 6.

Quigley Company, Inc., New York, N. Y. Refractory brick. Serial Nos. 361,116–7; May 7. Class 12.

Rabinow, Harry L., doing business as Alkadent Company, Long Island City, N. Y. Denture cleansing powder. Serial No. 358,386; May 7. Class 4.

Reed, E. P., & Co., Rochester, N. Y. Shoes. Serial No. 361,993; May 7. Class 39.

Re-Ge-Na Medicine Co. (See Guthridge, Charles E.)

Reo Distillers, Inc., Newark, N. J. Whiskey. Serial No. 362,325; May 7. Class 49.

Reo Distillers, Inc., Newark, N. J. Gin. Serial No. 362,527; May 7. Class 49.

Reo Distillers, Inc., Newark, N. J. Whiskey. Serial No. 362,528; May 7. Class 49.

Rider, John F., New York, N. Y. Publications. Serial No. 362,188; May 7. Class 38.

Robbins, Gerald M., doing business as Tower Blade Company, Minneapolis, Minn. Razor blades. Serial No. 359,065; May 7. Class 23.

S-L-Herbs. (See Lorczak, Stephen A.)

Safety Mining Company, Chicago, Ill. Charging plants for filling nondestructible cartridges for blasting purposes, and parts thereof. Serial No. 362,927; May 7. Class 23.

Sager, Abraham, doing business as Paramount Wedding Ring Company, Chicago, Ill. Finger and wedding rings. Serial No. 362,925; May 7. Class 28.

Sanson Pharmacal Company. (See Sosa, Jacinto.)

Schulhof, William, New York, N. Y. Publications. Serial No. 360,046; May 7. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Suits, overcoats, and trousers. Serial No. 362,239; May 7. Class 39.

Security Oil Company, The, Wichita, Kans. Lubricating oils and greases. Serial Nos. 362,194–5; May 7. Class 15.

Sendecke, Joseph, doing business as Senn Laboratories, Chicago, Ill. Oil extracted from the wheat germ. Serial No. 362,274; May 7. Class 6.

Sendlinger optische Glaswerke Gesellschaft mit beschränkter Haftung, Berlin-Zehlendorf, Germany. Magnifying glasses and reading glasses. Serial No. 360,120; May 7. Class 26.

Senn Laboratories. (See Sendecke, Joseph.)

Seydel Chemical Company, Jersey City, N. J. Medicinal product which acts as an anti-rheumatic and an anti-arthritic. Serial No. 361,334; May 7. Class 6.

Shields, Ernest F., Indio, Calif. Shredded dates. Serial No. 348,201; May 7. Class 46.

Silex Company, The, Hartford, Conn. Electric broilers, grilles, ranges, etc. Serial No. 354,323; May 7. Class 21.

Sno-Kote Company, The, New York, N. Y. Preparation for cleaning and whitening all kinds of white shoes. Serial No. 362,095; May 7. Class 4.

Société: Trefileries & Laminoirs du Hâvre (Société Anonyme), Paris, France. Aluminum and magnesium alloys. Serial No. 358,900; May 7. Class 14.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Candles. Serial No. 363,019; May 7. Class 15.

Sosa, Jacinto, doing business as Sanson Pharmacal Company, Brooklyn, N. Y. Medicinal tonic. Serial No. 358,708; May 7. Class 6.

South Kaukauna Dairy Company, Kaukauna, Wis. Cheese sandwich spread. Serial No. 363,236; May 7. Class 46.

Southern Liquor Distributors, Inc., Jacksonville, Fla. Whiskey. Serial No. 361,780; May 7. Class 49.

Spalding, A. G., & Bros., New York, N. Y. Tennis rackets. Serial No. 363,240; May 7. Class 22.

Spellman, E. L., Co., Inc., New York, N. Y. Whiskey. Serial No. 361,909; May 7. Class 49.

Sportogs, Inc., New York, N. Y. Outer skirts. Serial No. 361,337; May 7. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. Serial No. 362,978; May 7. Class 39.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. Serial Nos. 360,736–8; May 7. Class 42.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Sheets made of regenerated cellulose. Serial No. 362,492; May 7. Class 1.

Talbot, Clement, Limited, London, England. Automobiles. Serial No. 360,822; May 7. Class 19.

Texas Company, The, New York, N. Y. Cutting oil. Serial No. 363,128; May 7. Class 15.

Thomas, Charlotte, Los Angeles, Calif. Radium cones used to improve drinking water. Serial No. 359,596; May 7. Class 6.

Tower Blade Company. (See Robbins, Gerald M.)

Travel-Ome Trailer Company. (See Baumberger, R. T.)

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 354,486; May 7. Class 46.

Universal Dental Company, Philadelphia, Pa. Artificial teeth. Serial No. 356,323; May 7. Class 44.

Universal Milk Company, The, New York, N. Y. Evaporated milk. Serial No. 362,057; May 7. Class 46.

Vitamin Food Co. Inc., New York, N. Y. Food compound. Serial No. 353,086; May 7. Class 46.

Von Dellen, Arthur W., doing business as Anodex Laboratories, Ventnor, N. J. Preparation for the relief of distress, discomfort attending dental operations, etc. Serial No. 359,098; May 7. Class 6.

Waldner, Rudolph, Inc., New York, N. Y. Dry gin. Serial No. 362,390; May 7. Class 49.

Wathen, John A., Distillery Co., Inc., Louisville, Ky. Whiskey. Serial No. 362,542; May 7. Class 49.

West Disinfecting Company, Long Island City, N. Y. Preparation for exterminating rats and mice. Serial No. 362,201; May 7. Class 6.

Wexmar Liquor Co., Inc., Chicago, Ill. Whiskey. Serial No. 362,332; May 7. Class 49.

Wexmar Liquor Co., Inc., Chicago, Ill. Gin. Serial No. 362,544; May 7. Class 49.

Woodwind Company, The, New York, N. Y. Mouthpieces for musical instruments. Serial No. 362,983; May 7. Class 36.

Ziv Steel & Wire Co., Chicago, Ill. Tool steel. Serial No. 362,084; May 7. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel, George H., Roslyn, Pa. Electrode holders, insulated cable, cable connecters, etc. 324,023; May 7; Serial No. 351,295; published Feb. 26, 1935. Class 21.

Acushnet Process Company, Acushnet, Mass. Golf balls. 323,898; May 7; Serial No. 360,516; published Feb. 26, 1935. Class 22.

Adler & Adler, Inc., New York, N. Y. Dresses, coats, capes, etc. 324,084; May 7. Class 39.

Aklonis, Kastanta J., Elizabeth, N. J. Chocolate coated laxative cold tablets. 323,887; May 7; Serial No. 358,543; published Feb. 12, 1935. Class 6.

American Agricultural Chemical Company, The. (See Royster, F. S., Guano Co., assignor.)
American Brewing Co., New Orleans, La. Lager-beer. 105,966; renewed Sept. 7, 1935.
American Brewing Company, New Orleans, La. Beer. 324,011; May 7; Serial No. 354,647; published Feb. 26, 1935. Class 49.
American Cynamid & Chemical Corporation, New York, N. Y. Blasting powder, fuse powder, sporting powder, etc. 324,052; May 7; Serial No. 360,067; published Feb. 26, 1935. Class 9.
American Drug & Press Association, to The Meritol Company, Ipswich, Iowa, successor. Pharmaceutical preparations. 104,809; renewed June 29, 1935.
American Gypsum Company, The, Fort Clinton, Ohio. Gypsum plastering plaster and gypsum dry fill insulation. 323,973; May 7; Serial No. 359,764; published Feb. 26, 1935. Class 12.
American Manufacturing Company, Boston, Mass., and New York, N. Y., to American Manufacturing Company, New York, N. Y. Twines manufactured from vegetable fiber. 104,899; renewed Mar. 30, 1935.
American Wringer Company, Inc., Woonsocket, R. I. Rubber covered squeeze rolls. 323,946; May 7; Serial No. 360,152; published Feb. 26, 1935. Class 23.
"Anny Blanc" Societé à Responsabilité Limitée au Capital de 50,000 Francs, Paris, France. Dresses, blouses, skirts, etc. 324,064; May 7. Class 39.
Arbuckle Brothers, New York, N. Y., and Chicago, Ill., to Arbuckle Brothers, New York, N. Y. Coffee. 103,638; renewed Apr. 12, 1935.
Armstrong Cork Company, Lancaster, Pa. Linoleum, felt base and similar hard surfaced floor coverings. 324,019; May 7; Serial No. 354,554; published Feb. 26, 1935. Class 24.
Arcasco-Caplia Company, Inc., New York, N. Y. Slips, chemises, nightgowns, etc. 324,066; May 7. Class 39.
Artcraft Patents, Inc., New York, N. Y. Necktie clasps. 324,067; May 7. Class 40.
Automatic Safety Ladder Corp., Los Angeles, Calif. Automatic safety ladders. 323,939; May 7; Serial No. 360,190; published Feb. 26, 1935. Class 50.
Bates, James W., doing business as Nox Chemical Company, Seattle, Wash. Stimulating antiseptic medicinal ointment. 323,824; May 7; Serial No. 358,715; published Feb. 26, 1935. Class 6.
Bayer Company, Inc., The, New York, N. Y. Substitute for the heroin. 103,479; renewed July 27, 1935.
Bayer Company, Inc., The, New York, N. Y. Remedy for rheumatic affections and neuralgias. 105,685; renewed Aug. 10, 1935.
Becker's Bakery. (See Woodworth, Thomas W.)
Beckwith, Louis I. (See Market Forge Company, The, assignor.)
Beddow, John. (See Luton, C. W., and Beddow.)
Ben-Hurt, Inc., Boston, Mass. Gin, etc. 323,999; May 7; Serial No. 347,400; published Mar. 27, 1934. Class 49.
Birconjel Corporation, The. (See Le Coate, Charles R., assignor.)
Bishop & Babcock Manufacturing Co., The, Cleveland, Ohio. Automatic beer dispensers. 324,037; May 7; Serial No. 353,794; published Feb. 26, 1935. Class 23.
Black Flag Company, The, Baltimore, Md. Insecticides. 324,012; May 7; Serial No. 358,874; published Feb. 12, 1935. Class 6.
Bloomingdale Bros., Inc., New York, N. Y. Gin. 324,039; May 7; Serial No. 353,746; published Aug. 14, 1934. Class 49.
Bonney Vise & Tool Works Inc., Philadelphia and Allentown, Pa., and New York, N. Y., by change of name to Bonney Forge and Tool Works, Allentown, Pa. Screw-wrenches and vises. 104,862; renewed June 8, 1935.
Bonney Vise & Tool Works Inc., Philadelphia, and Allentown, Pa., by change of name to Bonney Forge and Tool Works, Allentown, Pa. Combination tool. 105,490; renewed July 27, 1935.
Bonney Vise & Tool Works Inc., Philadelphia, Pa., New York, N. Y., and Allentown, Pa., by change of name to Bonney Forge and Tool Works, Allentown, Pa. Wrenches. 105,751; renewed Aug. 17, 1935.
Borgfeldt, Geo., & Co., assignor to Geo. Borgefeldt Corporation, New York, N. Y. Dolls. 105,150; renewed July 6, 1935.
Bower, William, New York, N. Y. Exercising apparatus. 322,897; May 7; Serial No. 360,522; published Feb. 26, 1935. Class 22.
Bower, William, New York, N. Y. Exercising apparatus. 322,945; May 7; Serial No. 360,165; published Feb. 26, 1935. Class 22.
Bowers Rubber Works, by change of name to Pioneer Rubber Mills, San Francisco, Calif. Non-metallic machinery packing. 103,150; renewed Mar. 16, 1935.
Bowers Rubber Works, by change of name to Pioneer Rubber Mills, San Francisco, Calif. Rubber hose, rubber belting, and composite rubber packing for pistons. 105,905, 05; renewed Aug. 31, 1935.
Bristol-Myers Company, assignor, by mesne assignments, to Bristol-Myers Company, New York, N. Y. Digestants and medicinal preparations. 104,706; renewed June 15, 1935.
Bristol-Myers Company, assignor, by mesne assignments, to Bristol-Myers Company, New York, N. Y. Tooth-paste. 106,139; renewed July 6, 1935.
Brocton Preserving Company, Inc., doing business as Silver Creek Preserving Co., Brocton, N. Y. Canned vegetables and fruits. 323,893; May 7; Serial No. 358,758; published Feb. 26, 1935. Class 46.
Brothers Corporation, Brooklyn, N. Y. Salve for hemorrhoids. 323,966; May 7; Serial No. 358,843; published Feb. 26, 1935. Class 6.
Brown, Everett H., Jr., et al., receivers in equity. (See Friedberger-Aaron Manufacturing Company.)
Bunte Brothers, Chicago, Ill. Candy. 104,316–17; renewed May 18, 1935.
Bunte Brothers, Chicago, Ill. Candy. 106,251; renewed July 13, 1935.
Burroughs, Edgar Rice, Inc., Tarzana, Calif. Fabrics in the piece. 324,000; May 7; Serial No. 347,263; published Feb. 19, 1935. Class 42.
Calder, Albert L., Company, Incorporated, Providence, R. I. Dentifrice. 323,972; May 7; Serial No. 359,778; published Feb. 26, 1935. Class 6.
Capesio, Salvatore, doing business as Capesio, New York, N. Y. Cushioning shields or inserts for dancing slippers. 324,073; May 7. Class 39.
Carlton Mills Co., Inc., Philadelphia, Pa. Woolen piece goods. 324,063; May 7. Class 42.
Carnac Cottons, Inc., New York, N. Y. Cotton piece goods. 323,976; May 7; Serial No. 359,711; published Feb. 5, 1935. Class 42.
Carson Pirie Scott & Company, Chicago, Ill. Birdseye weave diapers. 324,091; May 7. Class 42.
Carson, Pirie, Scott & Co., assignor to Carson Pirie Scott & Company, Chicago, Ill. Bleached muslin. 103,282; renewed Mar. 30, 1935.
Carter's Ink Company, The, Cambridge, Mass. Typewriter ribbons and carbon-paper. 104,815; renewed June 15, 1935.
Carter's Ink Company, The, Cambridge, Mass. Adhesive paste. 105,714; renewed Aug. 17, 1935.
Celanese Corporation of America, New York, N. Y. Piece goods. 324,079; May 7. Class 42.
Chester Oil Company, The, Philadelphia, Pa., assignor to Tide Water Oil Company, New York, N. Y. Refined petroleum. 12,252; re-renewed May 19, 1935.
Chicago Chemical Company, Chicago, Ill. Materials used for removing rust and scale from aqueous-liquid-containing systems. 323,862; May 7; Serial No. 359,121; published Feb. 12, 1935. Class 6.
Chilcote Company, The, Cleveland, Ohio. Mounts for photographs and pictures. 324,065; May 7. Class 37.
Clarence Worsted Company. (See de Liagre, Alfred.)
Classy Togs Corp., Brooklyn, N. Y. Children's dresses, play suits, snow suits, etc. 324,057; May 7. Class 39.
Cluff and Pickering, Ltd., New York, N. Y. Whiskey, brandy, and rum. 324,002; May 7; Serial No. 345,820; published July 3, 1934. Class 49.
Colonial Distilling & Distributing Corporation, New York, N. Y. Whiskey and gin. 323,995; May 7; Serial No. 348,692; published Feb. 26, 1935. Class 49.
Colonial Distilling & Distributing Corporation, New York, N. Y. Whiskey and gin. 323,997; May 7; Serial No. 348,123; published Feb. 26, 1935. Class 49.
Columbia Import & Export Co., Inc., New York, N. Y. Steel files. 324,030; May 7; Serial No. 360,131; published Feb. 26, 1935. Class 23.
Compania Tabacalera Nacional Habana S. A. (See Pattengill, C. H., Corporation.)
Compound Injector & Specialty Co., Chicago, Ill. Floor drains, combined refuse separators and catch basins, etc. 324,050; May 7. Class 13.
Congoleum-Nairn, Inc. (See Nairn Linoleum Co., The, assignor.)
Connolly, James J., et al., receivers in equity. (See Friedberger-Aaron Manufacturing Company.)
Consolidated Rendering Company, Boston, Mass. Lard, oleo stearine, oleo stearine oils, and animal shortening, etc., all for food purposes. 323,854; May 7; Serial No. 359,218; published Feb. 26, 1935. Class 46.
Consolidated Sewing Machine and Supply Co., Inc., New York, N. Y. Belting for power transmission. 323,890; May 7; Serial No. 359,506; published Feb. 26, 1935. Class 35.
Continental Distilling Corporation. (See Kolmar, Inc., assignor.)
Continental Rubber Works, Erie, Pa. Manufactured rubber goods. 104,206; renewed May 11, 1935.
Continental Rubber Works, Erie, Pa. Rubber mallets, type-writer platens, and rubber printing-rolls, and paper-machine rolls. 104,971; renewed June 29, 1935.
Continental Rubber Works, Erie, Pa. Games, toys, and sporting goods. 105,996; renewed Sept. 14, 1935.
Continental Rubber Works, Erie, Pa. Rubber heels and rubber gloves. 105,997; renewed Sept. 14, 1935.
Continental Screw Company, New Bedford, Mass. Wood screws, sheet metal screws, and hanger bolts. 323,971; May 7; Serial No. 359,781; published Feb. 26, 1935. Class 13.
Cook, C. R., Paint Company, to Cook Paint & Varnish Company, Kansas City, Mo., successor. Magazine. 104,816; renewed June 15, 1935.
Cope's Products, Inc., Philadelphia, Pa. Preparations for the treatment of the feet. 323,915; May 7; Serial No. 358,831; published Feb. 12, 1935. Class 6.
Corn Products Refining Company, New York, N. Y. Starch. 323,988; May 7; Serial No. 359,614; published Feb. 26, 1935. Class 6.

Crawford Manufacturing Co. Inc., Richmond, Va. Awnings and tents. 323,930; May 7; Serial No. 360,132; published Feb. 26, 1935. Class 50.
Crossfield, Joseph, & Sons, Limited, Warrington, England. Vegetable fats. 323,964; May 7; Serial No. 359,907; published Feb. 26, 1935. Class 46.
Cudahy Packing Company, The, Chicago, Ill. Dried beef. 323,970; May 7; Serial No. 359,782; published Feb. 26, 1935. Class 46.
Daniel, Jack. (See Motlow, Lem.)
Davidson Brothers, New York, N. Y. Ladies' silk garments. 324,061; May 7. Class 39.
De Liagre, Alfred, doing business as Clarence Worsted Company, Passaic, N. J. Flannel piece goods. 323,864; May 7; Serial No. 359,030; published Feb. 5, 1935. Class 42.
Denebeim's Wholesale Liquor Co., Kansas City, Mo. Gin. 323,904; May 7; Serial No. 358,974; published Feb. 26, 1935. Class 49.
Denebeim's Wholesale Liquor Co., Kansas City, Mo. Gin. 323,906; May 7; Serial No. 358,971; published Feb. 26, 1935. Class 49.
Denebeim's Wholesale Liquor Co., Kansas City, Mo. Whiskey. 323,907; May 7; Serial No. 358,969; published Feb. 26, 1935. Class 49.
Drew, Irving, Co., The, Portsmouth, Ohio. Shoes. 324,051; May 7. Class 39.
Dube Undergarment Co. Inc., New York, N. Y. Women's undergarments. 324,076; May 7. Class 39.
Duro-Test Corporation, New York, N. Y. Electric incandescent lamps. 323,905; May 7; Serial No. 360,267; published Feb. 26, 1935. Class 21.
Durr, Walker H., Boise City, Okla. Medicinal preparation for the relief of tuberculosis. 324,029; May 7; Serial No. 356,179; published Feb. 12, 1935. Class 6.
Eagle Milling Company, Edmond, Okla. Wheat flour. 323,985; May 7; Serial No. 359,652; published Feb. 26, 1935. Class 46.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Knives. 12,122; re-renewed Apr. 14, 1935.
Earle, Marie, New York, N. Y., and Paris, France, assignor to Marie Earle Inc., New York, N. Y. Pharmaceutical preparations for toilet purposes. 105,157; renewed July 6, 1935.
Eastman Kodak Company, Rochester, N. Y. Sensitized photographic paper. 104,254; renewed May 11, 1935.
Eastman Kodak Company, Rochester, N. Y. Photographic developers. 103,342; renewed Mar. 30, 1935.
Edgars, Norman K., assignor to New Era Pharmaceutical Lab. Inc., Tenafly, N. J. Medicine used in the clinical treatment of diabetes. 323,952; May 7; Serial No. 355,434; published Feb. 12, 1935. Class 6.
Edison Bros. Stores, Inc., St. Louis, Mo. Cleaning preparation for colored shoes, fabrics, etc. 324,058–9; May 7. Class 4.
Edwards, Norman, Brady, Nebr. Preparation for the treatment of common colds, etc. 323,868; May 7; Serial No. 357,946; published Feb. 12, 1935. Class 6.
Em-El Laboratory. (See Levinstein, Max.)
Emporium-World Millinery Co., Chicago, Ill. Women's hats and hat linings. 324,080; May 7. Class 39.
Enterprise Manufacturing Company, The, Akron, Ohio. Sporting supplies. 105,722; renewed Aug. 17, 1935.
Evr-Klean Seat Pad Co., St. Louis, Mo. Seat pads. 324,085; May 7. Class 32.
Exhibit Supply Company, The, Chicago, Ill. Coin controlled amusement apparatus. 323,900–1; May 7; Serial Nos. 360,470–1; published Feb. 26, 1935. Class 22.
Fairmont Railway Motors, Incorporated, Fairmont, Minn. Metal burner top plates for weed burning apparatus. 323,842; May 7; Serial No. 359,353; published Feb. 26, 1935. Class 34.
Farr Alpaca Company, Holyoke, Mass. Piece goods. 323,836; May 7; Serial No. 359,462; published Feb. 12, 1935. Class 42.
Fauss, Charles, Jr., doing business as Charles Fauss, Jr. & Co., Newport, Ky. Whiskey, gin, rum, etc. 323,853; May 7; Serial No. 359,220; published Feb. 26, 1935. Class 49.
Federal Metallic Packing Company, Wakefield, Mass. Industrial and automotive packings. 323,944; May 7; Serial No. 360,167; published Feb. 26, 1935. Class 35.
Felton & Son, Incorporated, Boston and South Boston, Mass. Rum. 323,863; May 7; Serial No. 359,084; published Feb. 26, 1935. Class 49.
Felton & Son, Incorporated, Boston and South Boston, Mass. Rum. 323,974; May 7; Serial No. 359,743; published Feb. 26, 1935. Class 49.
Fens, Frank, New York, N. Y. Laundry starch. 323,865; May 7; Serial No. 358,178; published Feb. 12, 1935. Class 6.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 323,852; May 7; Serial No. 359,221; published Feb. 26, 1935. Class 49.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 323,936–8; May 7; Serial Nos. 360,221–3; published Feb. 26, 1935. Class 49.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 323,950; May 7; Serial No. 359,788; published Feb. 26, 1935. Class 49.
Finch, Jos. S., & Company. (See Markstein, Bernard M., assignor.)
Finch, Joseph S., & Company, Schenley, Pa., assignor to S. M. Flickinger Co., Inc., Buffalo, N. Y. Whiskey, gin, rum, etc. 323,969; May 7; Serial No. 359,789; published Feb. 26, 1935. Class 49.
First National Bank of Boston, The, et al., trustees. (See Walworth Manufacturing Co., assignor.)
Flickinger, S. M., Co., Inc. (See Finch, Joseph S., & Company.)
Folkman, Petra, New York, N. Y. Cream preparation for toilet use. 105,918; renewed Aug. 24, 1935.
Fraser, Walter S., Picton, Ontario, Canada. Honey, jellies, canned boneless chicken, etc. 323,951; May 7; Serial No. 356,074; published Feb. 26, 1935. Class 46.
Friedberger-Aaron Manufacturing Company, to J. Williston Smith, James J. Connolly, and Everett H. Brown, Jr., receivers in equity for Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Lace edgings and insertions and ribbons. 105,458; renewed July 27, 1935.
Friedberger-Aaron Manufacturing Company, assignor by order of the court to J. Williston Smith, James J. Connolly, and Everett H. Brown, Jr., receivers in equity for Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Braids. 105,459; renewed July 27, 1935.
Frozen Confections, Inc., New York, N. Y. Empty wrappers and bags. 323,895; May 7; Serial No. 360,560; published Feb. 26, 1935. Class 2.
Garfinkel & Ritter, New York, N. Y. Textile piece goods made of silk. 324,036; May 7; Serial No. 354,082; published Feb. 5, 1935. Class 42.
Geer, George J., assignor, by mesne assignments, to B. Priestley & Co., Inc., New York, N. Y. Materials and piece goods or combinations of same. 103,424; renewed Apr. 6, 1935.
Geer, George J., assignor, by mesne assignments, to B. Priestley & Co., Inc., New York, N. Y. Woolen, worsted, silk, mohair, and cotton piece goods, and combinations thereof. 103,426; renewed Apr. 6, 1935.
General Chemical Company, New York, N. Y. Baking-powder. 104,798; renewed June 15, 1935.
General Distilleries Corp., Hartford, Conn. Whiskey, gin, rum, etc. 323,843; May 7; Serial No. 359,345; published Feb. 26, 1935. Class 49.
General Electric Company, Schenectady, N. Y., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Glass shades and reflectors. 103,692–3; renewed Apr. 13, 1935.
General Electric X-Ray Corporation. (See Victor Electric Company, assignor.)
General Pretzel Company, The, Canton, Ohio. Bakery products of a pretzel-like nature. 324,040; May 7; Serial No. 353,431; published Feb. 26, 1935. Class 46.
Graf, Oscar L., New York, N. Y., assignor, by mesne assignments, to Hygio Products Co., Long Island City, N. Y. Nail-polish. 103,161; renewed Mar. 16, 1935.
Grand Rapids Bedding Company, Grand Rapids, Mich. Single-deck coiled-wire spring-mattresses. 103,234–5; renewed Mar. 23, 1935.
Grand Rapids Bedding Company, Grand Rapids, Mich. Coiled-wire spring-mattresses. 103,236; renewed Mar. 23, 1935.
Greenfield's, E., Sons, assignor, by mesne assignments, to E. Greenfield's Sons, Inc., New York, N. Y. Candies. 103,428; renewed Apr. 6, 1935.
Greenfield's, E., Sons, assignor, by mesne assignments, to E. Greenfield's Sons, Inc., New York, N. Y. Candies in tablet form. 104,304; renewed May 18, 1935.
Guastavino, R., Company, Boston, Mass. Building material. 323,963; May 7; Serial No. 359,912; published Feb. 26, 1935. Class 12.
Guerlain Perfumery Corporation of Delaware, New York, N. Y. Perfumes and face powder. 323,869; May 7; Serial No. 357,817; published Feb. 12, 1935. Class 6.
Guibert Freres Gloves, Inc., New York, N. Y. Skins. 324,064; May 7. Class 1.
Gulden, Charles, assignor to Charles Gulden, Inc., New York, N. Y. Mustard. 105,787; renewed Aug. 17, 1935.
Haimoff, David, doing business as Sho-Form Brassière Co., Los Angeles, Calif. Brassières, corsets, girdles, etc. 324,082; May 7. Class 39.
Hamilton, John D. Company, The, Tacoma, Wash. Candy. 323,994; May 7; Serial No. 299,319; published June 24, 1930. Class 46.
Hanford, G. C., Mfg. Co., Syracuse, N. Y. Plant insecticide. 324,045; May 7; Serial No. 351,693; published Sept. 4, 1934. Class 6.
Hauptman, Adolph, New York, N. Y. Combs, shoe laces, safety pins, and hair pins. 324,065; May 7. Class 40.
Hayden, A. Francis, et al., trustees. (See Walworth Manufacturing Co., assignor.)
Hayes, Ed. F., Los Angeles, Calif. Whiskey, gin, grape brandy, etc. 324,027; May 7; Serial No. 356,348; published Feb. 26, 1935. Class 49.
Hecht Co., The, doing business as The Hub, and Hecht Bros., Washington, D. C., and Baltimore, Md. Men's and boys' suits. 324,083; May 7. Class 39.
Hepburn & McTavish Ltd., Inc., Los Angeles, Calif. Whiskey, rum, Manhattan cocktail, etc. 323,835; May 7; Serial No. 359,467; published Feb. 26, 1935. Class 49.
Hiss, John M., Los Angeles, Calif. Shoes. 324,052; May 7. Class 39.
Hollenbeck, Esther W., Rinelander, Wis. Germicidal and antiseptic preparation for external use. 323,993; May 7; Serial No. 334,058; published Feb. 26, 1935. Class 6.

Holophane Company, Inc. (See General Electric Company, assignor.)
Home Investment Co., Inc., Wynne, Ark. Fresh deciduous fruits. 324,038; May 7; Serial No. 353,758; published Feb. 26, 1935. Class 46.
Honolulu Okolehao Co., Ltd., Honolulu, Hawaii. Brandy. 323,916; May 7; Serial No. 358,809; published Feb. 26, 1935. Class 49.
Hoosier Remedy Company, Inc., as assignee, by mesne assignments of Arthur B. Morse, assignor, by mesne assignments, to Hoosier Remedy Company, Inc., Indianapolis, Ind. Remedies for colds, headache, and la grippe. 105,502; renewed July 27, 1935.
Hub, The. (See Hecht Co.)
Hudnut, Richard, New York, N. Y. Pharmaceutical preparations. 105,535; renewed Aug. 3, 1935.
Hygie Products Co. (See Graf, Oscar L., assignor.)
I. D. Watch Case Co., Inc., New York, N. Y. Watches, watch cases, watch movements, etc. 323,943; May 7; Serial No. 360,174; published Feb. 26, 1935. Class 27.
Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Enameled metal signs. 105,851; renewed Aug. 24, 1935.
Ireson, Chas. L., (Inc.), Boston, Mass., assignor, by mesne assignments, to Charles L. Ireson Company, Chicago, Ill. Leather beltings. 103,876; renewed Apr. 20, 1935.
Irish Hills Distilleries, Inc., Detroit, Mich. Whiskey. 324,044; May 7; Serial No. 352,187; published Feb. 26, 1935. Class 49.
Israel, Jack, Inc., New York, N. Y. Ladies' handbags and purses. 323,935; May 7; Serial No. 360,227; published Feb. 26, 1935. Class 3.
Jackson Hosiery Company. (See Matison, I.)
Jemison, Abbie F., doing business as La Gale Co., and La Gale Manufacturing Co., Chicago, Ill. Shampoo, hair pomade, hair grower, and hair oil. 323,838; May 7; Serial No. 359,429; published Feb. 26, 1935. Class 6.
K. & J. Laboratories, Inc., Long Island City, N. Y. Germicide and antiseptic preparation. 323,870; May 7; Serial No. 357,909; published Feb. 26, 1935. Class 6.
Klarigon Co., Woodside, N. Y. Liquid medicinal preparation. 323,877; May 7; Serial No. 359,585; published Feb. 26, 1935. Class 6.
Koebel Diamond Tool Co., Detroit, Mich. Tools or holders for carrying industrial diamonds as cutting agents. 323,921-8; May 7; Serial Nos. 355,205-12; published Feb. 26, 1935. Class 23.
Koebel Diamond Tool Co., Detroit, Mich. Tools or holders for carrying industrial diamonds as cutting agents. 323,954-66; May 7; Serial Nos. 355,215-21; published Feb. 26, 1935. Class 23.
Koebel Diamond Tool Co., Detroit, Mich. Tools or holders for carrying industrial diamonds as cutting agents. 324,007-8; May 7; Serial Nos. 355,213-14; published Feb. 26, 1935. Class 23.
Koebel Diamond Tool Co., Detroit, Mich. Tools or holders for carrying industrial diamonds as cutting agents. 324,010-13; May 7; Serial Nos. 355,197-200; published Feb. 26, 1935. Class 23.
Koebel Diamond Tool Co., Detroit, Mich. Tools or holders for carrying industrial diamonds as cutting agents. 324,048-9; May 7; Serial Nos. 355,201-4; published Feb. 26, 1935. Class 23.
Kolmar, Inc., Cincinnati, Ohio, assignor to Continental Distilling Corporation, Philadelphia, Pa. Whiskey, brandy, gin, etc. 324,004; May 7; Serial No. 344,976; published Feb. 6, 1934. Class 49.
Kova Knit Co., The, New York, N. Y. Fabric coverings for table and buffet glassware, fine china, etc. 323,940; May 7; Serial No. 360,190; published Feb. 26, 1935. Class 50.
Krauss, Herman, Incorporated, Toledo, Ohio. Cordials. 323,911; May 7; Serial No. 358,878; published Feb. 26, 1935. Class 49.
Labbe Products Manufacturers, Casper, Wyo. Paste for cleaning the skin, ointment for treating catarrh, etc. 323,931; May 7; Serial No. 347,144; published Feb. 12, 1935. Class 6.
Laboratoire de l'Amibiasine, Paris, France. Medicinal preparation. 323,889-90; May 7; Serial Nos. 358,327-8; published Feb. 12, 1935. Class 6.
La Gale Manufacturing Co. (See Jemison, Abbie F.)
La Perla Vineyard Company, Chicago, Ill. Grape brandy and whiskey. 323,975; May 7; Serial No. 359,721; published Feb. 26, 1935. Class 49.
Lavoris Chemical Company, assignor to The Lavoris Company, Minneapolis, Minn. Dentifrice and tooth-cleaning compound. 105,736; renewed Aug. 17, 1935.
Le Cofte, Charles R., doing business as The Russell Wallace Company, Philadelphia, Pa., assignor to the Birconjel Corporation, New York, N. Y. Antiseptic jelly. 323,875; May 7; Serial No. 357,674; published Feb. 12, 1935. Class 6.
Leroux and Company, Inc., Philadelphia, Pa. Whiskey. 323,847; May 7; Serial No. 359,311; published Feb. 26, 1935. Class 49.
Levinstein, Max, doing business as Em-El Laboratory, Glendale, N. Y. Compound mustard poultice. 323,920; May 7; Serial No. 359,748; published Feb. 26, 1935. Class 6.
Levy & Franks Limited, London, England. Scotch whisky. 324,024; May 7; Serial No. 350,860; published Feb. 26, 1935. Class 49.
Lewis, A. D., Atlanta, Ga. Nonalcoholic maltless syrups. 324,070; May 7. Class 45.
Liebert & Obert, Philadelphia, Pa. Beer. 324,072; May 7. Class 48.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 323,919; May 7; Serial No. 358,773; published Feb. 26, 1935. Class 49.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 324,018; May 7; Serial No. 354,625; published Feb. 26, 1935. Class 49.
Liquor Dealers Supply Co., Chicago, Ill. Gin, whiskey, and brandy. 323,844; May 7; Serial No. 359,336; published Feb. 26, 1935. Class 49.
Little Bear Specialties Company, Kansas City, Mo. Ointment or salve. 323,996; May 7; Serial No. 348,499; published May 1, 1934. Class 6.
Locomotive Finished Material Company, The, Atchison, Kans. Finished locomotive-engine parts. 105,603; renewed Aug. 10, 1935.
Lorraine Manufacturing Company, Saylesville, R. I., and New York, N. Y., to Lorraine Manufacturing Company, Pawtucket and Westerly, R. I., and New York, N. Y. Cotton piece goods. 105,237; renewed July 13, 1935.
Lowe, Joe, Corporation, New York, N. Y. Empty wrappers, bags, boxes, etc. 323,902; May 7; Serial No. 360,414; published Feb. 26, 1935. Class 2.
MacVeagh, Franklin, and Company, Chicago, Ill. Maltless beverages, syrups for making, and cider. 324,025; May 7; Serial No. 350,301; published Feb. 26, 1935. Class 45.
Market Forge Company, The, Chelsea, assignor to Louis I. Beckwith doing business as The Market Forge Company, Everett, Mass. Metal trucks. 104,622; renewed June 8, 1935.
Markstein, Bernard M., doing business as Ohio Brokerage Company, Cincinnati, Ohio, assignor to Jos. S. Finch & Company, New York, N. Y. Whiskey and/or other potable distilled spirits. 324,009; May 7; Serial No. 342,009; published Dec. 12, 1933. Class 49.
Maryland Distillers' Products Corporation, Baltimore, Md. Whiskey. 323,837; May 7; Serial No. 359,433; published Feb. 26, 1935. Class 49.
Matison, I., doing business as Jackson Hosiery Company, Nashville, Tenn. Hosiery. 324,068; May 7. Class 39.
Mayer, B. W., Ltd., Poughkeepsie and New York, N. Y. Neckties, cravats, mufflers, and scarfs. 324,078; May 7. Class 39.
Mechanical Rubber Company, The, Jersey City, N. J.; New York, N. Y.; and Cleveland Ohio, assignor to United States Rubber Company, New York, N. Y. Sheet-packing composed of rubber and rubber combined with fibrous material. 103,667; renewed Apr. 13, 1935.
Meritol Company, The. (See American Drug & Press Association.)
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation comprising protein for internal administration, etc. 323,841; May 7; Serial No. 359,396; published Feb. 19, 1935. Class 6.
Moline Tool Company, Moline, Ill. Boring and drilling machines. 104,620; renewed June 8, 1935.
Mondell Company, The. (See Monstad, W. E.)
Monstad, W. E., doing business as The Mondell Company, Los Angeles, Calif. Food beverage herbal tea. 323,985; May 7; Serial No. 359,853; published Feb. 26, 1935. Class 46.
Montgomery Ward & Co. Inc., New York, N. Y.; Chicago, Ill.; Brooklyn, N. Y.; Fort Worth, Tex.; Kansas City, Mo.; and Portland, Oreg., assignor to Montgomery Ward & Co., Chicago, Ill. Articles made of or plated with precious metals. 103,246; renewed Mar. 23, 1935.
Morse, Arthur B. (See Hoosier Remedy Company, Inc., assignor.)
Moskow, Eva, doing business as Nonparey Laboratories, Los Angeles, Calif. Hygienic vaginal powder. 323,991; May 7; Serial No. 338,751; published Feb. 12, 1935. Class 6.
Motlow, Lem, doing business as Jack Daniel, Lynchburg, Tenn. Whiskey. 323,914; May 7; Serial No. 358,853; published Feb. 26, 1935. Class 49.
Mount Tivy Winery, Inc., Fresno, Calif. Brandy. 323,883; May 7; Serial No. 359,479; published Feb. 26, 1935. Class 49.
Myers, E., Lye Company, St. Louis, Mo. Lye. 102,979; renewed Mar. 9, 1935.
Myles Salt Co., Ltd., New Orleans, La. Table salt. 323,987; May 7; Serial No. 359,627; published Feb. 26, 1935. Class 46.
Nairn Linoleum Co., The, assignor to Congoleum-Nairn, Inc., Kearny, N. J. Linoleums. 105,920; renewed Aug. 24, 1935.
Nathan Manufacturing Company, New York, N. Y. Watergages. 104,098; renewed Apr. 27, 1935.
Neva-Wet Corporation of America, Inc., New York, N. Y. Coats and suits, dresses, hats, etc. 324,060; May 7. Class 39.
Neveroil Bearing Company, Wakefield, Mass. Industrial and automotive packings. 323,942; May 7; Serial No. 360,180; published Feb. 26, 1935. Class 35.
New Era Pharmaceutical Lab. Inc. (See Edgars, Norman K., assignor.)
New York Pattern Company, Inc., The, New York, N. Y. Paper patterns for garments. 323,948; May 7; Serial No. 360,140; published Feb. 26, 1935. Class 26.

New York Pattern Company, Inc., The, New York, N. Y. Paper patterns for garments. 323,949; May 7; Serial No. 360,138; published Feb. 26, 1935. Class 26.
Nonparey Laboratories. (See Moskow, Eva.)
Nox Chemical Company. (See Bates, James W.)
Ohio Brokerage Company. (See Markstein, Barnard M.)
Old Monastery Company, The, Seattle, Wash. Whisky. 323,983-4; May 7; Serial Nos. 359,666-7; published Feb. 26, 1935. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 323,981-2; May 7; Serial Nos. 359,668-9; published Feb. 26, 1935. Class 49.
Old Quaker Company, The, Baltimore, Md., and Lawrenceburg, Ind. Whiskey, brandy, gin, etc. 324,090; May 7. Class 49.
Olds Products Co., The, Chicago, Ill. Mustard, mustard catsup, salad-dressing, horse-radish, and pickles. 105,322; renewed July 20, 1935.
Ostro Research Laboratories, Inc., New York, N. Y. Antiseptic composition. 323,968; May 7; Serial No. 359,810; published Feb. 26, 1935. Class 6.
Pan-American Laboratories, Inc., Washington, D. C. Mate. 323,840; May 7; Serial No. 359,401; published Feb. 26, 1935. Class 46.
Paramount Distributing Corporation, Brooklyn, N. Y. Whiskey. 323,846; May 7; Serial No. 359,316; published Feb. 26, 1935. Class 49.
Pardee & Curtin Lumber Company, Bergoo and Clarksburg, W. Va. Coal. 324,071; May 7. Class 1.
Parke, Davis & Company, Detroit, Mich. Gonadotropic substances derived pregnancy urine. 323,858; May 7; Serial No. 359,181; published Feb. 12, 1935. Class 6.
Parke, Davis & Company, Detroit, Mich. Iron sodium citrate compound. 323,986; May 7; Serial No. 359,629; published Feb. 26, 1935. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Games. 106,014; renewed Sept. 14, 1935.
Paskin, Louis, assignor to Frank C. Reilly, New York, N. Y. Perfumes, face powders, toilet waters, etc. 323,990; May 7; Serial No. 340,234; published Oct. 3, 1933. Class 6.
Pattengill, C. H., Corporation, New York, N. Y., to Compania Tabacalera Nacional Habana S. A., Havana, Cuba, successor. Cigars. 102,689; renewed Feb. 23, 1935.
Patterson Ranch Company, Patterson, Calif. Fresh melons, vegetables, and fruits. 324,026; May 7; Serial No. 356,964; published Feb. 26, 1935. Class 46.
Penn-State Petroleum Company, Warren, Pa. Lubricating oils. 323,989; May 7; Serial No. 360,729. Class 15.
Penslar Company, The, Detroit, Mich. Epsom salt, boric acid, cream of tartar, etc. 323,910; May 7; Serial No. 358,890; published Feb. 12, 1935. Class 6.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 324,032; May 7; Serial No. 360,106; published Feb. 26, 1935. Class 35.
Perkins, Joel S., & Son, Gloucester, N. J. Textile loom leather strapping and textile loom leather pickers. 324,069; May 7. Class 23.
Petrolager Laboratories, Inc., Chicago, Ill. Preparation for the treatment of constipation. 324,035; May 7; Serial No. 360,042; published Feb. 26, 1935. Class 6.
Pioneer Rubber Mills. (See Bowers Rubber Works.)
Pond's Extract Company, New York, N. Y. Vanishing cream. 323,878; May 7; Serial No. 359,522; published Feb. 26, 1935. Class 6.
Pond's Extract Company, New York, N. Y. Cold cream. 323,979; May 7; Serial No. 359,521; published Feb. 26, 1935. Class 6.
Pond's Extract Company, New York, N. Y. Skin freshener and tonic, and liquefying cream. 323,881; May 7; Serial No. 359,520; published Feb. 26, 1935. Class 6.
Powell & Campbell, New York, N. Y. Boots, shoes, slippers, and rubbers. 103,677; renewed Apr. 13, 1935.
Powell Duffryn Steam Coal Company, Ltd., The, London, England. Coal. 323,874; May 7; Serial No. 357,681; published Feb. 26, 1935. Class 1.
Priestley, B., & Co., Inc. (See Geer, George J., assignor.)
Projansky, Irving, Chicago, Ill. Straight Bourbon whiskey. 323,918; May 7; Serial No. 358,790; published Feb. 26, 1935. Class 49.
Provincial Distilleries Ltd. Inc., Brooklyn, N. Y. Whiskey, brandy, gin, etc. 323,888; May 7; Serial No. 358,333; published Feb. 26, 1935. Class 49.
Provincial Distilleries Ltd. Inc., Brooklyn, N. Y. Whiskey, brandy, gin, etc. 323,917; May 7; Serial No. 358,792; published Feb. 26, 1935. Class 49.
Purbeck, D. B., & Co., Boston, Mass. Textile piece goods. 324,074; May 7. Class 42.
Quigley Company, Inc., New York, N. Y. Plastic refractory mortar. 323,851; May 7; Serial No. 359,239; published Feb. 26, 1935. Class 12.
Radium Dial Company, Pittsburgh, Pa. Chemical luminous material. 323,861; May 7; Serial No. 359,143; published Feb. 12, 1935. Class 6.
Readville Distilleries, Inc. (See Reilly, Frank C., assignor.)
Red Line Commercial Company, Inc., New York, N. Y. Coffee. 323,899; May 7; Serial No. 360,489; published Feb. 26, 1935. Class 46.
Refined Syrups Inc., New York, N. Y. Concentrated fruit syrups used for flavoring. 323,953; May 7; Serial No. 355,816; published Feb. 26, 1935. Class 46.
Reilly, Frank C., New York, N. Y. Astringents, cold creams, powders, etc. 324,006; May 7; Serial No. 343,366; published Dec. 26, 1933. Class 6.
Reilly, Frank C., New York, N. Y., assignor to Readville Distilleries, Inc., Boston, Mass. Whiskey. 324,005; May 7; Serial No. 344,108; published Jan. 9, 1934. Class 49.
Reilly, Frank C. (See Paskin, Louis, assignor.)
Remsen Corporation, New York, N. Y. Medicines and pharmaceutical preparations for relieving headaches, etc. 323,848; May 7; Serial No. 359,252; published Feb. 26, 1935. Class 6.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Water emulsion of a synthetic resin. 323,850; May 7; Serial No. 359,241; published Feb. 26, 1935. Class 6.
Riley, J. A., & Co., New York, N. Y. Topcoats, overcoats, and suits. 324,061; May 7. Class 39.
Ro-Mar Chemical Co. Inc., Miami Beach, Fla. Ointment. 323,871; May 7; Serial No. 357,784; published Feb. 12, 1935. Class 6.
Royster, F. S., Guano Co., Norfolk, Va., assignor, by mesne assignments, to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 99,642-3; renewed Sept. 8, 1934.
Rudo, B. H., & Bro., Baltimore, Md. Canned fruits, vegetables, fish, salt, hominy, etc. 324,014; May 7; Serial No. 355,041; published Nov. 6, 1934. Class 46.
Rykoff, S. E., & Company, Los Angeles, Calif. Whiskey, gin, rum, etc. 323,908; May 7; Serial No. 358,949; published Feb. 26, 1935. Class 49.
Sadler, Johnstone, and Company, Limited, assignor to John Walker & Sons, Limited, London, England. Whisky. 105,854; renewed Aug. 24, 1935.
St. George Winery, doing business as St. George Winery & Distillery, Fresno, Calif. Wines. 324,026; May 7; Serial No. 356,200; published Feb. 26, 1935. Class 47.
Saks & Company, New York, N. Y. Compacts, vanity cases, lipstick holders, etc. 323,941; May 7; Serial No. 360,184; published Feb. 26, 1935. Class 2.
San Antonio Drug Company, San Antonio, Tex. Olive-oil. 104,577; renewed June 1, 1935.
Sangamo Electric Company, Springfield, Ill. Electricity-meters, electric indicators, electric testing apparatus, etc. 105,828; renewed Aug. 17, 1935.
Santa Cruz Fruit Packing Company, Oakland, Calif. Canned fruits and vegetables. 324,043; May 7; Serial No. 352,331; published July 24, 1934. Class 46.
Schenley Distributors, Inc., New York, N. Y. Whiskey, gin, rum, etc. 323,934; May 7; Serial No. 360,245; published Feb. 26, 1935. Class 49.
Scheuer, Samuel, New York, N. Y. Hats and caps. 324,066; May 7. Class 39.
Schindler, Walter R., Los Angeles, Calif. Plant protectors. 323,933; May 7; Serial No. 360,246; published Feb. 26, 1935. Class 50.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 324,088; May 7. Class 39.
Schriver, O. P., Company, The, Cincinnati, Ohio. Cistern and well pumps. 105,448; renewed July 27, 1935.
Sealright Co., Inc., Fulton, N. Y. Bottle caps. 324,034; May 7; Serial No. 360,081; published Feb. 26, 1935. Class 50.
Sekine, Ioji, New York, N. Y. Tooth brushes. 104,427; renewed May 25, 1935.
Sewai, Wong, doing business as Wing Lee Wai Company, San Francisco, Calif. Alcohol beverage. 323,909; May 7; Serial No. 358,896; published Feb. 26, 1935. Class 49.
Sheerr, Philip L., & Sons, Philadelphia, Pa. Interlinings for clothing sold by the yard. 324,056; May 7. Class 42.
Shipman, Louis, & Baker Co., New York, N. Y. Woolen piece goods. 323,857; May 7; Serial No. 359,186; published Feb. 19, 1935. Class 42.
Sho-Form Brassière Co. (See Halmoff, David.)
Silten, Ernst, Berlin, Germany. Quinine preparation. 324,041; May 7; Serial No. 352,596; published Feb. 26, 1935. Class 6.
Silver Creek Preserving Co. (See Brocton Preserving Company.)
Simmons, J. A., Inc., El Centro, Calif. Fresh vegetables and melons. 323,903; May 7; Serial No. 360,381; published Feb. 26, 1935. Class 46.
Simon, J., & Sons, Inc., St. Louis, Mo. Whiskey. 323,845; May 7; Serial No. 359,322; published Feb. 26, 1935. Class 49.
Skinner & Eddy Corporation, Seattle, Wash. Wines. 323,961; May 7; Serial No. 359,965; published Feb. 26, 1935. Class 47.
Smith, J. Williston, et al., receivers in equity. (See Friedberger-Aaron Manufacturing Company.)
Sociedad Vinicola S. & L. Durlacher, Hamburg, Germany. Whisky, brandy, gin, etc. 324,001; May 7; Serial No. 346,037; published May 15, 1934. Class 49.
Sociedad Vinicola S. & L. Durlacher, Hamburg, Germany. Whiskey, brandy, gin, etc. 324,003; May 7; Serial No. 345,563; published July 3, 1934. Class 49.
Société de Conserves Alimentaires de la Valée du Rhône, Saxon, Switzerland. Foods. 103,706; renewed Apr. 13, 1935.
South Coast Company, Wilmington, Del., and New Orleans, La. Refined white granulated sugars. 323,849; May 7; Serial No. 359,251; published Feb. 26, 1935. Class 46.

Southern Handkerchief Mfg Co., Greenville, S. C. Handkerchiefs. 323,962; May 7; Serial No. 338,175; published Feb. 5, 1935. Class 42.

Stallings, Ransom R., Spartanburg, S. C. Preparation to be applied externally for the treatment of pneumonia, etc. 323,926; May 7; Serial No. 358,573; published Feb. 26, 1935. Class 6.

Stanco Incorporated, New York, N. Y. Insecticides. 323,859; May 7; Serial No. 359,153; published Feb. 26, 1935. Class 6.

Stanco Incorporated, New York, N. Y. Insecticide repellants. 323,860; May 7; Serial No. 359,152; published Feb. 12, 1935. Class 6.

Stanco Incorporated, New York, N. Y. Nose and throat inhalant, etc. 323,893; May 7; Serial No. 359,147; published Feb. 26, 1935. Class 6.

Standard Oil Company of New Jersey, Wilmington, Del. Soluble oil for imparting luster, etc., to textile fibers. 323,889; May 7; Serial No. 359,400; published Feb. 19, 1935. Class 6.

Stearns, Frederick, & Company, Detroit, Mich. Highly purified hemicelluloses. 323,876; May 7; Serial No. 357,259; published Feb. 12, 1935. Class 6.

Sterling Remedy Company, Wheeling, W. Va. Laxative tablets. 323,962; May 7; Serial No. 359,931; published Feb. 26, 1935. Class 6.

Sterling Wine & Liquor Corp., The, St. Paul, Minn. Wines. 324,051; May 7. Class 47.

Sternau, S., & Co., assignor, by mesne assignments, to Sterno Corporation, New York, N. Y. Solid fuel composed mainly of alcohol. 105,426; renewed July 20, 1935.

Sterno Corporation. (See Sternau, S., & Co., assignor.)

Stetson, John B., Company, Philadelphia, Pa. Men's hats. 324,063; May 7. Class 39.

Stokely Brothers & Co., Inc., Indianapolis, Ind. Canned strained cereal, strained vegetables, etc. 323,947; May 7; Serial No. 360,145; published Feb. 26, 1935. Class 46.

Swartley, H. M., Philadelphia, Pa. Lotion. 323,856; May 7; Serial No. 359,189; published Feb. 12, 1935. Class 6.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Cellulose sausage casings. 323,872-3; May 7; Serial Nos. 357,747-8; published Feb. 26, 1935. Class 1.

Taber Company, The. (See Thornally, George.)

Tary and Dinner, Inc., Chicago, Ill. Musical string instruments. 323,891; May 7; Serial No. 358,300; published Feb. 26, 1935. Class 36.

Tary and Dinner, Inc., Chicago, Ill. Musical wind instruments. 323,892; May 7; Serial No. 358,302; published Feb. 26, 1935. Class 36.

Taylor Bedding Mfg. Co., Taylor Tex. Mattresses. 323,855; May 7; Serial No. 359,190; published Feb. 26, 1935. Class 32.

Thiaver, Albert, New York, N. Y. Skin lotions. 323,867; May 7; Serial No. 357,965; published Feb. 12, 1935. Class 6.

Thornally, George, doing business as The Taber Company, San Francisco, Calif. Natural Yerba Mate tea. 323,909; May 7; Serial No. 358,166; published Feb. 26, 1935. Class 46.

Thornton Tandem Company, Detroit, Mich. Tandem drive for vehicles, trucks, etc. 323,913; May 7; Serial No. 358,894; published Feb. 26, 1935. Class 19.

Three G Distillery Corp., Burbank, Calif. Whiskey. 324,010; May 7; Serial No. 354,959; published Feb. 26, 1935. Class 49.

Tide Water Oil Company. (See Chester Oil Company, The, assignor.)

Timbers, Homer H., Glen Ridge, N. J. Playing card shuffling and dealing device. 324,031; May 7; Serial No. 360,112; published Feb. 26, 1935. Class 22.

Tropical Cereal Co., Inc., Blackwell, Okla. Food compound, made from bananas and bran. 324,067; May 7. Class 46.

Tyler, W. S., Company, The, Cleveland, Ohio. Testing-sieve shakers. 105,404; renewed July 20, 1935.

United Distillers Inc., Chicago, Ill. Whisky, gin, and cordials. 323,998; May 7; Serial No. 348,107; published May 1, 1934. Class 49.

United Distillers Products Corp., North Bergen, N. J. Whiskey, gin, brandy, etc. 323,967; May 7; Serial No. 359,819; published Feb. 26, 1935. Class 49.

United States Gypsum Company, Chicago, Ill. Asphalt roofing. 323,932; May 7; Serial No. 360,261; published Feb. 26, 1935. Class 12.

United States Rubber Company. (See Mechanical Rubber Company, The, assignor.)

United Woolen Mills Company, The, Parkersburg, W. Va., to The United Woolen Company, Columbus, Ohio, successor. Coats, vests, trousers, and overcoats made to order. 105,242; renewed July 13, 1935.

Valente, Costa & Companhia, Limitada, Villa Nova de Gaya, Portugal. Wines. 324,075; May 7. Class 47.

Victor Electric Company, assignor, by mesne assignments, to General Electric X-Ray Corporation, Chicago, Ill. Medical and surgical appliances. 104,404; renewed May 25, 1935.

Victor Electric Company, assignor, by mesne assignments, to General Electric X-Ray Corporation, Chicago, Ill. Electrical apparatus and supplies. 105,091; renewed July 6, 1935.

Vi-Spring Products Limited, London, England. Beds, bedsteads, couches, etc. 323,980; May 7; Serial No. 359,682; published Feb. 26, 1935. Class 32.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 323,977-9; May 7; Serial Nos. 359,683-5; published Feb. 26, 1935. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 324,020; May 7; Serial No. 354,219; published Feb. 26, 1935. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Gin. 324,021-2; May 7; Serial Nos. 354,217-18; published Oct. 16, 1934. Class 49.

Walker, John, & Sons, Limited. (See Sadler, Johnstone, and Company, Limited, assignor.)

Wallace, Russell, Company, The. (See Le Conte, Charles R.)

Walters, Edgar B., Organization Incorporated, New York, N. Y. Robes and blankets. 323,894; May 7; Serial No. 355,341; published Nov. 20, 1934. Class 42.

Walworth Manufacturing Co. assignor to The First National Bank of Boston and A. Francis Hayden, trustees of Walworth Company, Boston, Mass. Wrenches. 103,135; renewed Mar. 16, 1935.

Warner Lingerie Co. Inc., New York, N. Y. Ladies' slips. 324,069; May 7. Class 39.

Watkins, R. L., Company, The, Cleveland, Ohio, to The R. L. Watkins Company, New York, N. Y. Liquid shampoo. 105,681; renewed Aug. 10, 1935.

Wiltshire, William F., Birmingham, England. Oil burners, oil fuel installation plants, etc. 323,885; May 7; Serial No. 358,580; published Feb. 26, 1935. Class 34.

Wing Lee Wai Company. (See Sewai, Wong.)

Woodworth, Thomas W., doing business as Becker's Bakery, Spartanburg, S. C. Bread. 324,015; May 7; Serial No. 354,969; published Feb. 26, 1935. Class 46.

Worthall, Ltd., New York, N. Y. Face powder, dusting powder, lavender water, etc. 324,042; May 7; Serial No. 352,278; published Oct. 9, 1934. Class 6.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 323,896; May 7; Serial No. 360,557; published Feb. 26, 1935. Class 22.

Yakima Fruit Products Co., Inc., North Yakima, to Yakima Fruit Products Co., Yakima, Wash. Vinegar. 102,952; renewed Mar. 2, 1935.

York and Company, Grand Rapids, Mich. Coal. 324,077; May 7. Class 1.

Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic apparatus. 323,929; May 7; Serial No. 346,392; published Feb. 26, 1935. Class 26.

LIST OF REGISTRANTS OF LABELS

Bachand, Oliver D., Jamestown, N. Y. 909. For a Bleaching and Cleaning Solution. 45,532; May 7.

Brewing Corporation of America, Cleveland, Ohio. Carling's Red Cap Ale. For Ale. 45,533; May 7.

Brewing Corporation of America, Cleveland, Ohio. Carling's Old Pirate Lager Beer. For Lager Beer. 45,534; May 7.

Brewing Corporation of America, Cleveland, Ohio. Carling's Amber Creme Ale. For Ale. 45,535; May 7.

China Rice Importing Co., San Francisco, Calif. Number One Brand China Rice. For China Rice. 45,536; May 7.

Continental Distilling Corporation, Philadelphia, Pa. Gyrotill. For Straight Rye Whiskey. 45,537; May 7.

Davidson Biscuit Company, Mount Vernon, Ill. Oven Fresh Tasty Oyster Crackers. For Oysters Crackers. 45,538; May 7.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Golden Bock Lager. For Lager. 45,539-40; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Ballaire. For Boxes. 45,541; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Big Bear. For Boxes. 45,542; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Branch Shoes. For Boxes. 45,543; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Crescent Modern Vogue. For Boxes. 45,544; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Fashion Maid. For Boxes. 45,545; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Fashionable Stouts. For Boxes. 45,546; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Foot-True. For Boxes. 45,547; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Lady Beautiful. For Boxes. 45,548; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Rio Rita. For Boxes. 45,549; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Sandra. For Boxes. 45,550; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Slax. For Boxes. 45,551; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Smart Shoes. For Boxes. 45,552; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Switzee Witzee. For Boxes. 45,553; May 7.

Hoague-Sprague Corporation, Lynn, Mass. Walk-O-Pedic. For Boxes. 45,554; May 7.

Miner, A. R., doing business as Miner Products Co., Fowler, Calif. Miner's Quality—Always Fresh. For Vacuum Packed California Seedless Raisins. 45,555; May 7.

Morse, Leland R., Chicago, Ill. Our Custom Finished Shirt. For Shirts. 45,556; May 7.

Richter's Bakery, San Antonio, Tex. The Family Pullman Loaf. For Bread. 45,557; May 7.

Southland Cotton Oil Company, Jackson, Miss. Southland Readimix. For Mixed Feed for Stock. 45,558; May 7.

Suffolk Oil Mill, Incorporated, Suffolk, Va. Somola. For Salad and Cooking Vegetable Oil. 45,559; May 7.

Sutherland Paper Company, Kalamazoo, Mich. Gowrie Brand Creamery Butter (No. 248-O-S). For Butter. 45,560; May 7.

Sutherland Paper Company, Kalamazoo, Mich. Ice Cream No. (482 A-P-D-F). For Ice Cream. 45,561; May 7.

Sutherland Paper Company, Kalamazoo, Mich. Ice Cream No. (493-A-P). For Ice Cream. 45,562; May 7.

Sutherland Paper Company, Kalamazoo, Mich. Ice Cream No. (480 P-D-F). For Ice Cream. 45,563; May 7.

Sutherland Paper Company, Kalamazoo, Mich. Butter (No. 249). For Butter. 45,564; May 7.

Veasey, Richard E., New Orleans, La. Big-Time Football Game. For a Game. 45,565; May 7.

Vinco Company, Inc., The, New York, N. Y. Vinco. For a Powder Used as a Boiler Cleanser. 45,566; May 7.

LIST OF REGISTRANTS OF PRINTS

Anestex Laboratories (De-Ce Products Co. of N. Y.) (See Curtis, David.)

Cream of Wheat Corporation, The, Minneapolis, Minn. Every Day He Burns Up as Much Energy as a Boxing Champion! For Wheat Breakfast Food. 15,125; May 7.

Curtis, David, doing business as Anestex Laboratories (De-Ce Products Co. of N. Y.), New York, N. Y. Anestex Local Anesthetic Containing Procaine in Combination with Fruit Acids as Tartacaine-Citrocaine Malicaine and Epinephrine. For Local Anesthetic. 15,126; May 7.

Fritsch, L. A., Cincinnati, Ohio. Ever Ready Wall-An-Desk Catalog No. 5. For Trusses, Abdominal Support, Shoulder Braces, and Elastic Hosiery. 15,127; May 7.

General Mills, Inc., Minneapolis, Minn. A Trick Your Mother-In-Law Doesn't Know About Muffins. For Biscuit Flour. 15,128; May 7.

General Mills, Inc., Minneapolis, Minn. When Your Child Begins to "Hate" His Cereal Here's the Thing to Do. For Cereal Food. 15,129; May 7.

Goodrich, B. F., Company, The, Akron, Ohio. A Black Panther Isn't Half as Treacherous As a Blow-Out! (Ad GBC-46). For Rubber Tires. 15,130; May 7.

Haymarket Clothing Company, Boston, Mass. The Official American Legion Uniform. For American Legion Uniforms. 15,131; May 7.

Henshaw, Charles S., Boston, Mass. Wings of a Century. For Automobiles. 15,132; May 7.

National Silver Company, New York, N. Y. Flight. For Silver Plated Flat Ware. 15,133; May 7.

Searle Petroleum Company, Omaha, Nebr. Searle Graphoid Motor Oil. For Motor Oil. 15,134; May 7.

Searle Petroleum Company, Omaha, Nebr. Searle Graphoid Fluid Gear Lubricant. For Fluid Gear Lubricants. 15,135; May 7.

Vogue Mfg. Co., Newark, N. J. A Garment for Every Figure. For Corsets. 15,136; May 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Pardee & Curtin Lumber Company. 324,071; May 7.

Coal. Powell Duffryn Steam Coal Company. 323,874; May 7; Serial No. 357,681; published Feb. 26, 1935.

Coal. York and Company. 324,077; May 7.

Skins. Guibert Freres Gloves, Inc. 324,064; May 7.

CLASS 2

Casings, Cellulose sausage. Sylvania Industrial Corporation. 323,872-3; May 7; Serial Nos. 357,747-8; published Feb. 26, 1935.

Compacts, vanity cases, lipstick holders, etc. Saks & Company. 323,941; May 7; Serial No. 360,184; published Feb. 26, 1935.

Wrappers and bags, Empty. Frozen Confections, Inc. 323,895; May 7; Serial No. 360,560; published Feb. 26, 1935.

Wrappers, bags, boxes, etc., Empty. Joe Lowe Corporation. 323,902; May 7; Serial No. 360,414; published Feb. 26, 1935.

CLASS 3

Handbags and purses, Ladies'. Jack Israel, Inc. 323,935; May 7; Serial No. 360,227; published Feb. 26, 1935.

CLASS 4

Cleaning preparation for colored shoes, fabrics, leather goods, etc. Edison Bros. Stores, Inc. 324,058-9; May 7.

CLASS 5

Paste, Adhesive. Carter's Ink Company. 105,714; renewed Aug. 17, 1935.

CLASS 6

Antiseptic composition. Ostro Research Laboratories, Inc. 323,968; May 7; Serial No. 359,810; published Feb. 26, 1935.

Antiseptic jelly. C. B. Le Conte. 323,875; May 7; Serial No. 357,674; published Feb. 12, 1935.

Astringents, cold creams, powders, etc. F. C. Reilly. 324,006; May 7; Serial No. 343,366; published Dec. 26, 1933.

Chemical luminous material. Radium Dial Company. 323,861; May 7; Serial No. 359,143; published Feb. 12, 1935.

Cream, Cold. Pond's Extract Company. 323,879; May 7; Serial No. 359,521; published Feb. 26, 1935.

Cream preparation for toilet use. P. Folkman. 105,913; renewed Aug. 24, 1935.

Cream, Vanishing. Pond's Extract Company. 323,878; May 7; Serial No. 359,522; published Feb. 26, 1935.

Dentifrice. Albert L. Calder Company. 323,972; May 7; Serial No. 359,778; published Feb. 26, 1935.

Dentifrice and tooth-cleaning compound. Lavoris Chemical Company. 105,736; renewed Aug. 17, 1935.

Digestants and medicinal preparations. Bristol-Myers Company. 104,706; renewed June 15, 1935.

Electrical apparatus and supplies. Victor Electric Company. 105,091; renewed July 6, 1935.

Epsom salt, boric acid, cream of tartar, etc. Pensiar Company. 323,910; May 7; Serial No. 358,890; published Feb. 12, 1935.

Fuel, Solid. S. Sternau & Co. 105,426; renewed July 20, 1935.

Germicidal and antiseptic preparation for external use. E. W. Hollenbeck. 323,993; May 7; Serial No. 334,058; published Feb. 26, 1935.

Germicide and antiseptic preparation. K. & J. Laboratories, Inc. 323,870; May 7; Serial No. 357,909; published Feb. 26, 1935.

Gonadotropic substance derived from pregnancy urine. Parke, Davis & Company. 323,858; May 7; Serial No. 359,181; published Feb. 12, 1935.

Hemicellulose, Highly purified. Frederick Stearns & Company. 323,876; May 7; Serial No. 357,259; published Feb. 12, 1935.

Insecticide, Plant. G. C. Hanford Mfg. Co. 324,045; May 7; Serial No. 351,693; published Sept. 4, 1934.

Insecticide repellants. Stanco Incorporated. 323,860; May 7; Serial No. 359,152; published Feb. 12, 1935.

Insecticides. Black Flag Company. 323,912; May 7; Serial No. 358,874; published Feb. 12, 1935.

Insecticides. Stanco Incorporated. 323,859; May 7; Serial No. 359,153; published Feb. 26, 1935.

Iron sodium citrate compound. Parke, Davis & Company. 323,986; May 7; Serial No. 359,629; published Feb. 26, 1935.

Laxative cold tablets, Chocolate coated. K. J. Aklonis. 323,887; May 7; Serial No. 358,543; published Feb. 12, 1935.

Laxative tablets. Sterling Remedy Company. 323,962; May 7; Serial No. 359,931; published Feb. 26, 1935.

Lotion. H. M. Swartley. 323,856; May 7; Serial No. 359,189; published Feb. 12, 1935.

Lye. E. Myers Lye Company. 102,979; renewed Mar. 9, 1935.

Materials for removing rust and scale. Chicago Chemical Company. 323,862; May 7; Serial No. 359,121; published Feb. 12, 1935.

Medicinal preparation. Klarigon Co. 323,877; May 7; Serial No. 359,585; published Feb. 26, 1935.

Medicinal preparation. Laboratoire de l'Amibiasine. 323,889-90; May 7; Serial Nos. 358,327-8; published Feb. 12, 1935.

Medicinal preparation for the relief of tuberculosis. W. H. Dury. 324,029; May 7; Serial No. 356,179; published Feb. 12, 1935.
Medicine used in the clinical treatment of diabetes. N. K. Edgars. 322,962; May 7; Serial No. 355,434; published Feb. 12, 1935.
Medicines and pharmaceutical preparations for relieving headaches, etc. Remeon Corporation. 323,848; May 7; Serial No. 359,282; published Feb. 26, 1935.
Nail-polish. O. L. Graf. 103,161; renewed Mar. 16, 1935.
Nose and throat spray, inhalant, etc. Sanco Incorporated. 323,862; May 7; Serial No. 359,487; published Feb. 26, 1935.
Oil for imparting luster, etc. to textile fibers. Soluble. Standard Oil Company of New Jersey. 323,839; May 7; Serial No. 359,406; published Feb. 19, 1935.
Ointment. Re-Mar Chemical Co. Inc. 323,871; May 7; Serial No. 357,784; published Feb. 12, 1935.
Ointment or salve. Little Bear Specialties Company. 323,906; May 7; Serial No. 345,499; published May 1, 1934.
Ointment, Stimulating antiseptic medicinal. J. W. Bates. 323,884; May 7; Serial No. 358,715; published Feb. 26, 1935.
Paste for cleaning the skin, ointment for treating catarrh, etc. Labbe Products Manufacturers. 323,931; May 7; Serial No. 347,144; published Feb. 12, 1935.
Perfumes and face powder. Guerlain Perfumery Corporation of Delaware. 323,909; May 7; Serial No. 357,317; published Feb. 12, 1935.
Perfumes, face powders, toilet waters, etc. L. Paskin. 323,900; May 7; Serial No. 340,234; published Oct. 3, 1933.
Pharmaceutical preparations. American Drug & Press Association. 104,924; renewed June 29, 1935.
Pharmaceutical preparations. Richard Hudnut. 105,585; renewed Aug. 8, 1935.
Pharmaceutical preparations for toilet purposes. M. Earle. 106,157; renewed July 6, 1935.
Photographic developers. Eastman Kodak Company. 106,243; renewed Mar. 30, 1935.
Poultice, Compound mustard. M. Levinstein. 323,920; May 7; Serial No. 359,748; published Feb. 26, 1935.
Powder, Hygienic vaginal. H. Mookow. 323,991; May 7; Serial No. 338,751; published Feb. 12, 1935.
Powder, lavender water, facial creams, etc., Face and dusting. Worthall, Ltd. 324,042; May 7; Serial No. 353,278; published Oct. 9, 1934.
Preparation comprising protein for internal administration. Wm. S. Merrell Company. 323,841; May 7; Serial No. 359,396; published Feb. 19, 1935.
Preparation for the treatment of common colds. N. Edwards. 323,868; May 7; Serial No. 357,946; published Feb. 12, 1935.
Preparation for the treatment of constipation. Petrolager Laboratories, Inc. 324,035; May 7; Serial No. 360,042; published Feb. 26, 1935.
Preparation to be applied externally for the treatment of pneumonia, etc. R. E. Stallings. 323,886; May 7; Serial No. 358,573; published Feb. 26, 1935.
Preparations for the treatment of the feet. Cope's Products, Inc. 323,915; May 7; Serial No. 358,831; published Feb. 12, 1935.
Quinine preparation. H. Silten. 324,041; May 7; Serial No. 352,506; published Feb. 26, 1935.
Remedies for colds, headache, and la grippe. Hoosier Remedy Company. 105,502; renewed July 27, 1935.
Remedy for rheumatic affections and neuralgias. Bayer Company. 105,665; renewed Aug. 10, 1935.
Salve for hemorrhoids. Brothers Corporation. 323,966; May 7; Serial No. 359,843; published Feb. 26, 1935.
Shampoo, hair pomade, hair grower, and hair oil. A. F. Jenkins. 323,838; May 7; Serial No. 359,429; published Feb. 26, 1935.
Shampoo, Liquid. R. L. Watkins Company. 105,681; renewed Aug. 10, 1935.
Skin lotions. A. Thierer. 323,867; May 7; Serial No. 357,995; published Feb. 12, 1935.
Starch. Corn Products Refining Company. 323,988; May 7; Serial No. 359,614; published Feb. 26, 1935.
Starch, Laundry. F. Fenn. 323,985; May 7; Serial No. 358,178; published Feb. 12, 1935.
Skin freshener and tonic and liquefying cream. Pond's Extract Company. 323,881; May 7; Serial No. 359,520; published Feb. 26, 1935.
Substitute for the iodids. Bayer Company. 105,479; renewed July 27, 1935.
Tooth-paste. Bristol-Myers Company. 105,039; renewed July 6, 1935.
Water emulsion of a synthetic resin. Resinous Products & Chemical Company. 323,850; May 7; Serial No. 359,241; published Feb. 26, 1935.

CLASS 7

Twines. American Manufacturing Company. 103,369; renewed Mar. 30, 1935.

CLASS 9

Powder, fuse powder, sporting powder, Blasting. American Cyanamid & Chemical Corporation. 324,033; May 7; Serial No. 360,067; published Feb. 26, 1935.

CLASS 10

Fertilizers. F. S. Royster Guano Co. 99,642–3; renewed Sept. 8, 1934.

CLASS 11

Type-writer ribbons and carbon paper. Carter's Ink Company. 104,815; renewed June 15, 1935.

CLASS 12

Building material. R. Guastavino Company. 323,963; May 7; Serial No. 359,912; published Feb. 26, 1935.
Gypsum patching plaster and gypsum dry fill insulation. American Gypsum Company. 323,973; May 7; Serial No. 359,764; published Feb. 26, 1935.
Mortar, Plastic refractory. Quigley Company. 323,851; May 7; Serial No. 359,239; published Feb. 26, 1935.
Roofing, Asphalt. United States Gypsum Company. 323,932; May 7; Serial No. 360,261; published Feb. 26, 1935.

CLASS 13

Drains, combined refuse separators, etc., Floor. Compound Injector & Specialty Co. 324,050; May 7.
Screws, and hanger bolts, Wood and sheet metal. Continental Screw Company. 323,971; May 7; Serial No. 359,781; published Feb. 26, 1935.

CLASS 15

Oils, Lubricating. Penn-State Petroleum Company. 323,989; May 7; Serial No. 360,729.
Petroleum, Refined. Chester Oil Company. 12,252; renewed May 19, 1935.

CLASS 17

Cigars. C. H. Pattengill Corporation. 102,689; renewed Feb. 23, 1935.

CLASS 19

Tandem drive for vehicles, trucks, etc. Thornton Tandem Company. 323,913; May 7; Serial No. 358,864; published Feb. 26, 1935.
Trucks, Metal. Market Forge Company. 104,622; renewed June 8, 1935.

CLASS 20

Linoleum, felt base and similar hard surfaced floor coverings. Armstrong Cork Company. 324,019; May 7; Serial No. 354,554; published Feb. 26, 1935.
Linoleums. Nairn Linoleum Co. 105,920; renewed Aug. 24, 1935.

CLASS 21

Electrode holders, insulated cable, cable connecters, etc. G. H. Abel. 324,023; May 7; Serial No. 351,295; published Feb. 26, 1935.
Lamps, Electric incandescent. Duro-Test Corporation. 323,905; May 7; Serial No. 360,267; published Feb. 26, 1935.

CLASS 22

Amusement apparatus, Coin controlled. Exhibit Supply Company. 323,900–1; May 7; Serial Nos. 360,470–1; published Feb. 26, 1935.
Balls, Golf. Acushnet Process Company. 323,898; May 7; Serial No. 360,516; published Feb. 26, 1935.
Balls, Golf. Worthington Ball Company. 323,896; May 7; Serial No. 360,557; published Feb. 26, 1935.
Card shuffling and dealing device, Playing. H. H. Timbers. 324,031; May 7; Serial No. 360,112; published Feb. 26, 1935.
Dolls. Geo. Borgfeldt & Co. 105,150; renewed July 6, 1935.
Exercising apparatus. W. Bower. 323,897; May 7; Serial No. 360,522; published Feb. 26, 1935.
Exercising apparatus. W. Bower. 323,945; May 7; Serial No. 360,165; published Feb. 26, 1935.
Games. Parker Brothers, Inc. 106,014; renewed Sept. 14, 1935.
Games, toys, and sporting goods. Continental Rubber Works. 105,996; renewed Sept. 14, 1935.
Sporting supplies. Enterprise Manufacturing Company. 105,722; renewed Aug. 17, 1935.

CLASS 23

Boring and drilling machines. Moline Tool Company. 104,626; renewed June 8, 1935.
Dispensers, Automatic beer. Bishop & Babcock Manufacturing Co. 324,037; May 7; Serial No. 353,794; published Feb. 26, 1935.
Files, Steel. Columbia Import & Export Co. 324,030; May 7; Serial No. 360,131; published Feb. 26, 1935.
Knives. Eagle Pencil Company. 12,122; re-renewed Apr. 14, 1935.
Locomotive-engine parts, Finished. Locomotive Finished Material Company. 105,603; renewed Aug. 10, 1935.
Loom leather strapping and pickers, Textile. Joel S. Perkins & Son. 324,060; May 7.
Mallets, type-writer platens, etc., Rubber. Continental Rubber Works. 104,971; renewed June 29, 1935.
Pumps, Cistern and well. O. P. Schriver Company. 105,448; renewed July 27, 1935.
Screw-wrenches and vises. Bonney Vise & Tool Works Inc. 104,592; renewed June 8, 1935.
Shakers, Testing-sieve. W. S. Tyler Company. 105,404; renewed July 20, 1935.

Squeeze rolls, Rubber covered. American Wringer Company. 323,946; May 7; Serial No. 360,162; published Feb. 26, 1935.
Tool, Combination. Bonney Vise & Tool Works Inc. 105,480; renewed July 27, 1935.
Tools or holders for carrying industrial diamonds as cutting agents. Koebel Diamond Tool Co. 323,921–8; May 7; Serial Nos. 355,205–12; published Feb. 26, 1935.
Tools or holders for carrying industrial diamonds as cutting agents. Koebel Diamond Tool Co. 323,954–60; May 7; Serial Nos. 355,215–21; published Feb. 26, 1935.
Tools or holders for carrying industrial diamonds as cutting agents. Koebel Diamond Tool Co. 324,007–8; May 7; Serial Nos. 355,213–14; published Feb. 26, 1935.
Tools or holders for carrying industrial diamonds as cutting agents. Koebel Diamond Tool Co. 324,010–13; May 7; Serial Nos. 355,197–200; published Feb. 26, 1935.
Tools or holders for carrying industrial diamonds as cutting agents. Koebel Diamond Tool Co. 324,046–9; May 7; Serial Nos. 355,201–4; published Feb. 26, 1935.
Wrenches. Bonney Vise & Tool Works Inc. 105,781; renewed Aug. 17, 1935.
Wrenches. Walworth Manufacturing Co. 103,135; renewed Mar. 16, 1935.

CLASS 26

Gages, Water. Nathan Manufacturing Company. 104,098; renewed Apr. 27, 1935.
Meters, electric indicators, electric testing apparatus, etc., Electricity. Sangamo Electric Company. 105,828; renewed Aug. 17, 1935.
Patterns for garments, Paper. New York Pattern Company. 323,948; May 7; Serial No. 360,140; published Feb. 26, 1935.
Patterns for garments, Paper. New York Pattern Company. 323,949; May 7; Serial No. 360,138; published Feb. 26, 1935.
Photographic apparatus. Zeiss Ikon Aktiengesellschaft. 323,929; May 7; Serial No. 346,392; published Feb. 26, 1935.
Sensitized photographic paper. Eastman Kodak Company. 104,254; renewed May 11, 1935.

CLASS 27

Watches, watch cases, watch movements, etc. I. D. Watch Case Co. 323,943; May 7; Serial No. 360,174; published Feb. 26, 1935.

CLASS 28

Articles made of or plated with precious metals. Montgomery Ward & Co. Inc. 103,246; renewed Mar. 23, 1935.

CLASS 29

Tooth brushes. I. Sekine. 104,427; renewed May 25, 1935.

CLASS 32

Beds, bedsteads, couches, etc. Vi-Spring Products Limited. 323,980; May 7; Serial No. 359,682; published Feb. 26, 1935.
Mattresses. Grand Rapids Bedding Company. 103,234–5; renewed Mar. 23, 1935.
Mattresses. Taylor Bedding Mfg. Co. 323,855; May 7; Serial No. 359,190; published Feb. 26, 1935.
Mattresses. Coiled-wire spring. Grand Rapids Bedding Company. 103,236; renewed Mar. 23, 1935.
Seat pads. Evr-Klean Seat Pad Co. 324,085; May 7.

CLASS 33

Glass shades and reflectors. General Electric Company. 103,692-3; renewed Apr. 13, 1935.

CLASS 34

Burners, oil fuel installation plants, etc., Oil. W. F. Wiltshire. 323,885; May 7; Serial No. 358,580; published Feb. 26, 1935.
Metal burner top plates for weed burning apparatus. Fairmont Railway Motors, Incorporated. 323,842; May 7; Serial No. 359,353; published Feb. 26, 1935.

CLASS 35

Belting for power transmission. Consolidated Sewing Machine and Supply Co. 323,880; May 7; Serial No. 359,506; published Feb. 26, 1935.
Beltings, Leather. Chas. L. Ireson (Inc.). 103,876; renewed Apr. 20, 1935.
Hose, rubber belting and composite rubber packing for pistons, Rubber. Bowers Rubber Works. 105,950–5; renewed Aug. 31, 1935.
Packing, Non-metallic machinery. Bowers Rubber Works. 103,150; renewed Mar. 16, 1935.
Packing, Sheet. Mechanical Rubber Company. 103,667; renewed Apr. 13, 1935.
Packings, Industrial and automotive. Federal Metallic Packing Company. 323,944; May 7; Serial No. 360,167; published Feb. 26, 1935.
Packings, Industrial and automotive. Neveroil Bearing Company. 323,942; May 7; Serial No. 360,180; published Feb. 26, 1935.
Piston rings. Perfect Circle Company. 324,032; May 7; Serial No. 360,106; published Feb. 26, 1935.
Rubber goods, Manufactured. Continental Rubber Works. 104,206; renewed May 11, 1935.

CLASS 36

Musical string instruments. Targ and Dinner, Inc. 323,891; May 7; Serial No. 358,300; published Feb. 26, 1935.
Musical wind instruments. Targ and Dinner, Inc. 323,892; May 7; Serial No. 358,302; published Feb. 26, 1935.

CLASS 37

Mounts for photographs and pictures. Chilcote Company. 324,055; May 7.

CLASS 38

Magazine. C. R. Cook Paint Company. 104,816; renewed June 15, 1935.

CLASS 39

Boots, shoes, slippers, and rubbers. Powell & Campbell. 103,677; renewed Apr. 13, 1935.
Brassières, corsets, girdles, etc. D. Halmoff. 324,082; May 7.
Coats and suits, dresses, hats, etc. Neva-Wet Corporation of America, Inc. 324,060; May 7.
Coats, vests, trousers, and overcoats made to order. United Woolen Mills Company. 105,242; renewed July 13, 1935.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 324,088; May 7.
Dresses, blouses, coats, etc. "Anny Blatt" Société à Responsabilité Limitée au Capital de 50,000 Francs. 324,054; May 7.
Dresses, coats, capes, etc. Adler & Adler, Inc. 324,084; May 7.
Dresses, play suits, snow suits, etc., Children's. Classy Togs Corp. 324,057; May 7.
Garments, Ladies' silk. Davidson Brothers. 324,081; May 7.
Hats and caps. S. Scheuer. 324,066; May 7.
Hats and hat linings, Women's. Emporium-World Millinery Co. 324,080; May 7.
Hats, Men's. John B. Stetson Company. 324,062; May 7.
Heels and rubber gloves, Rubber. Continental Rubber Works. 105,997; renewed Sept. 14, 1935.
Hosiery. I. Matison. 324,068; May 7.
Neckties, cravats, mufflers, and scarfs. B. W. Mayer, Ltd. 324,078; May 7.
Shields or inserts for dancing slippers, Cushioning. S. Capezio. 324,073; May 7.
Shoes. Irving Drew Co. 324,051; May 7.
Shoes. J. M. Iliss. 324,052; May 7.
Slips, chemises, nightgowns, etc. Aronson-Caplin Company. 324,086; May 7.
Slips, Ladies. Warner Lingerie Co. Inc. 324,089; May 7.
Suits, Men's and boys'. Hecht Co. 324,083; May 7.
Topcoats, overcoats, and suits. J. A. Riley & Co. 324,061; May 7.
Undergarments, Women's. Dube Undergarment Co. Inc. 324,076; May 7.

CLASS 40

Braids. Friedberger-Aaron Manufacturing Company. 105,459; renewed July 27, 1935.
Combs, shoe laces, safety pins and hair pins. A. Hauptman. 324,065; May 7.
Necktie clasps. Artcraft Patents, Inc. 324,087; May 7.

CLASS 42

Cotton piece goods. Carnac Cottons, Inc. 323,976; May 7; Serial No. 359,711; published Feb. 5, 1935.
Cotton piece goods. Lorraine Manufacturing Company. 105,237; renewed July 13, 1935.
Diapers, Birdseye weave. Carson Pirie Scott & Company. 324,091; May 7.
Fabrics in the piece. Edgar Rice Burroughs, Inc. 324,000; May 7; Serial No. 347,263; published Feb. 19, 1935.
Flannel piece goods. A. de Llagre. 323,864; May 7; Serial No. 359,030; published Feb. 5, 1935.
Handkerchiefs. Southern Handkerchief Mfg Co. 323,902; May 7; Serial No. 338,175; published Feb. 5, 1935.
Interlinings for clothing sold by the yard. Philip L. Sherr & Sons. 324,056; May 7.
Lace edgings and insertions and ribbons. Friedberger-Aaron Manufacturing Company. 105,458; renewed July 27, 1935.
Materials and piece goods of combinations of same. G. J. Geer. 103,424; renewed Apr. 6, 1935.
Muslin, Bleached. Carson, Pirie, Scott & Co. 103,282; renewed Mar. 30, 1935.
Piece goods. Celanese Corporation of America. 324,079; May 7.
Piece goods. Farr Alpaca Company. 323,836; May 7; Serial No. 359,462; published Feb. 12, 1935.
Piece goods. G. J. Geer. 103,426; renewed Apr. 6, 1935.
Robes and blankets. Edgar B. Walters Organization Incorporated. 323,894; May 7; Serial No. 355,341; published Nov. 20, 1934.
Textile piece goods. D. B. Purbeck & Co. 324,074; May 7.
Textile piece goods made of silk. Garfinkel & Ritter. 324,036; May 7; Serial No. 354,082; published Feb. 5, 1935.

Woolen piece goods. Carlton Mills Co. 324,063; May 7.
Woolen piece goods. Louis Shipman & Baker Co. 323,957; May 7; Serial No. 359,186; published Feb. 19, 1935.

CLASS 44

Medical and surgical appliances. Victor Electric Company. 104,404; renewed May 25, 1935.

CLASS 45

Beverages, syrups for making, and cider, Maltless. Franklin MacVeagh and Company. 324,025; May 7; Serial No. 350,901; published Feb. 26, 1935.
Syrups for soft drinks, Nonalcoholic maltless. A. D. Lewis. 324,070; May 7.

CLASS 46

Bakery products of a pretzel-like nature. General Pretzel Company. 324,040; May 7; Serial No. 353,431; published Feb. 26, 1935.
Baking-powder. General Chemical Company. 104,798; renewed June 15, 1935.
Beef, Dried. Cudahy Packing Company. 323,970; May 7; Serial No. 359,782; published Feb. 26, 1935.
Bread. T. W. Woodworth. 324,015; May 7; Serial No. 354,969; published Feb. 26, 1935.
Candies. E. Greenfield's Sons. 103,428; renewed Apr. 6, 1935.
Candies in tablet form. E. Greenfield's Sons. 104,304; renewed May 18, 1935.
Candy. Bunte Brothers. 104,316–17; renewed May 18, 1935.
Candy. Bunte Brothers. 105,251; renewed July 13, 1935.
Candy. John D. Hamilton Company. 323,994; May 7; Serial No. 299,319; published June 24, 1930.
Canned fruits and vegetables. Santa Cruz Fruit Packing Company. 324,043; May 7; Serial No. 352,331; published July 24, 1934.
Canned fruits, vegetables, fish, salt, hominy, etc. B. H. Rudo & Bro. 324,014; May 7; Serial No. 355,041; published Nov. 6, 1934.
Canned strained cereal, strained vegetables, etc. Stokely Brothers & Co. 323,947; May 7; Serial No. 360,145; published Feb. 26, 1935.
Canned vegetables and fruits. Brocton Preserving Company. 323,893; May 7; Serial No. 358,758; published Feb. 26, 1935.
Coffee. Arbuckle Brothers. 103,638; renewed Apr. 13, 1935.
Coffee. Red Line Commercial Company. 323,899; May 7; Serial No. 360,489; published Feb. 26, 1935.
Fats, Vegetable. Joseph Crosfield & Sons, Limited. 323,964; May 7; Serial No. 359,907; published Feb. 26, 1935.
Flour, Wheat. Eagle Milling Company. 323,985; May 7; Serial No. 359,652; published Feb. 26, 1935.
Food beverage herbal tea. W. E. Monstad. 323,965; May 7; Serial No. 359,855; published Feb. 26, 1935.
Food compound made from bananas and bran. Tropical Cereal Co. 324,067; May 7.
Foods. Société de Conserves Alimentaires de la Valée du Rhône. 103,706; renewed Apr. 13, 1935.
Fruits, Fresh deciduous. Home Investment Co. 324,038; May 7; Serial No. 353,758; published Feb. 26, 1935.
Honey, jellies, canned boneless chicken, etc. W. S. Fraser. 323,951; May 7; Serial No. 356,074; published Feb. 26, 1935.
Lard, oleo stearine, oleo stearine oils, and animal shortening, etc., all for food purposes. Consolidated Rendering Company. 323,854; May 7; Serial No. 359,213; published Feb. 26, 1935.
Mate. Pan-American Laboratories, Inc. 323,840; May 7; Serial No. 359,401; published Feb. 26, 1935.
Melons, vegetables, fruits, Fresh. Patterson Ranch Company. 324,026; May 7; Serial No. 356,964; published Feb. 26, 1935.
Mustard. C. Gulden. 105,787; renewed Aug. 17, 1935.
Mustard, mustard catsup, salad-dressing, etc. Olds Products Co. 105,322; renewed July 20, 1935.
Olive-oil. San Antonio Drug Company. 104,577; renewed June 1, 1935.
Salt, Table. Myles Salt Co. 323,987; May 7; Serial No. 359,627; published Feb. 26, 1935.
Sugars, Refined white granulated. South Coast Company. 323,849; May 7; Serial No. 359,251; published Feb. 26, 1935.
Syrups used for flavoring, Concentrated fruit. Refined Syrups Inc. 323,953; May 7; Serial No. 355,816; published Feb. 26, 1935.
Tea, Natural yerba mate. G. Thornally. 323,866; May 7; Serial No. 358,166; published Feb. 26, 1935.
Vegetables and melons, Fresh. J. A. Simmons Inc. 323,903; May 7; Serial No. 360,381; published Feb. 26, 1935.
Vinegar. Yakima Fruit Products Co. 102,952; renewed Mar. 2, 1935.

CLASS 47

Wines. St. George Winery. 324,028; May 7; Serial No. 356,200; published Feb. 26, 1935.
Wines. Skinner & Eddy Corporation. 323,961; May 7; Serial No. 359,965; published Feb. 26, 1935.
Wines. Sterling Wine & Liquor Corp. 324,053; May 7.
Wines. Valente, Costa & Companhia, Limitada. 324,075; May 7.

CLASS 48

Beer. American Brewing Company. 324,017; May 7; Serial No. 354,647; published Feb. 26, 1935.
Beer. Liebert & Obert. 324,072; May 7.
Beer, Lager. American Brewing Co. 105,969; renewed Sept. 7, 1935.

CLASS 49

Alcohol beverage. W. Sewal. 323,909; May 7; Serial No. 358,896; published Feb. 26, 1935.
Brandy. Honolulu Okolehao Co. 323,916; May 7; Serial No. 358,809; published Feb. 26, 1935.
Brandy. Mount Tivy Winery, Inc. 323,883; May 7; Serial No. 359,479; published Feb. 26, 1935.
Brandy and whiskey, Grape. La Perla Vineyard Company. 323,975; May 7; Serial No. 359,721; published Feb. 26, 1935.
Cordials. Herman Krauss, Incorporated. 323,911; May 7; Serial No. 358,878; published Feb. 26, 1935.
Gin. Ben-Burk, Inc. 323,999; May 7; Serial No. 347,400; published Mar. 27, 1934.
Gin. Bloomingdale Bros., Inc. 324,039; May 7; Serial No. 353,746; published Aug. 14, 1934.
Gin. Denebeim's Wholesale Liquor Co. 323,904; May 7; Serial No. 358,974; published Feb. 26, 1935.
Gin. Denebeim's Wholesale Liquor Co. 323,906; May 7; Serial No. 358,971; published Feb. 26, 1935.
Gin. Hiram Walker & Sons Inc. 324,021–2; May 7; Serial Nos. 354,217–18; published Oct. 16, 1934.
Gin, whiskey, and brandy. Liquor Dealers Supply Co. 323,844; May 7; Serial No. 359,336; published Feb. 26, 1935.
Rum. Felton & Son, Incorporated. 323,863; May 7; Serial No. 359,084; published Feb. 26, 1935.
Rum. Felton & Son, Incorporated. 323,974; May 7; Serial No. 359,743; published Feb. 26, 1935.
Whiskey. Irish Hills Distilleries, Inc. 324,044; May 7; Serial No. 352,187; published Feb. 26, 1935.
Whiskey. Leroux and Company. 323,847; May 7; Serial No. 359,311; published Feb. 26, 1935.
Whiskey. Lionel Distilled Products, Inc. 323,919; May 7; Serial No. 358,773; published Feb. 26, 1935.
Whiskey. Lionel Distilled Products, Inc. 324,018; May 7; Serial No. 354,625; published Feb. 26, 1935.
Whiskey. Maryland Distillers' Products Corporation. 323,837; May 7; Serial No. 359,433; published Feb. 26, 1935.
Whiskey. L. Motlow. 323,914; May 7; Serial No. 358,853; published Feb. 26, 1935.
Whiskey. Paramount Distributing Corporation. 323,846; May 7; Serial No. 359,316; published Feb. 26, 1935.
Whiskey. F. C. Reilly. 324,005; May 7; Serial No. 344,108; published Jan. 9, 1934.
Whiskey. Renebeim's Wholesale Liquor Co. 323,907; May 7; Serial No. 358,969; published Feb. 26, 1935.
Whiskey. J. Simon & Sons, Inc. 323,845; May 7; Serial No. 359,322; published Feb. 26, 1935.
Whiskey. Three G Distillery Corp. 324,016; May 7; Serial No. 354,959; published Feb. 26, 1935.
Whiskey. Hiram Walker & Sons, Inc. 323,977–9; May 7; Serial Nos. 359,683–5; published Feb. 26, 1935.
Whiskey. Hiram Walker & Sons, Inc. 324,020; May 7; Serial No. 354,219; published Feb. 26, 1935.
Whiskey and gin. Colonial Distilling & Distributing Corporation. 323,995; May 7; Serial No. 348,692; published Feb. 26, 1935.
Whiskey and gin. Colonial Distilling & Distributing Corporation. 323,997; May 7; Serial No. 348,123; published Feb. 26, 1935.
Whiskey and/or other potable distilled spirits. B. M. Markstein. 324,009; May 7; Serial No. 342,009; published Dec. 12, 1933.
Whiskey, brandy, and rum. Cluff and Pickering, Ltd. 324,002; May 7; Serial No. 345,820; published July 3, 1934.
Whiskey, brandy, gin, etc. Kolmer, Inc. 324,004; May 7; Serial No. 344,976; published Feb. 6, 1934.
Whiskey, brandy, gin, etc. Provincial Distilleries Ltd. Inc. 323,888; May 7; Serial No. 358,333; published Feb. 26, 1935.
Whiskey, brandy, gin, etc. Provincial Distilleries Ltd. Inc. 323,917; May 7; Serial No. 358,792; published Feb. 26, 1935.
Whiskey, brandy, gin, etc. Sociedad Vinicola S. & L. Durlacher. 324,003; May 7; Serial No. 345,563; published July 3, 1934.
Whiskey, brandy, rum, etc. Old Quaker Company. 324,090; May 7.
Whiskey, gin, brandy, etc. United Distillers Products Corp. 323,967; May 7; Serial No. 359,819; published Feb. 26, 1935.
Whiskey, gin, grape brandy, etc. E. F. Hayes. 324,027; May 7; Serial No. 356,348; published Feb. 26, 1935.
Whiskey, gin, rum, etc. C. Fauns Jr. 323,853; May 7; Serial No. 359,220; published Feb. 26, 1935.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 323,852; May 7; Serial No. 359,221; published Feb. 26, 1935.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 323,936–8; May 7; Serial Nos. 360,221–3; published Feb. 26, 1935.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 323,950; May 7; Serial No. 359,788; published Feb. 26, 1935.

Whiskey, gin, rum, etc. Joseph S. Finch & Company. 323,969; May 7; Serial No. 359,789; published Feb. 26, 1935.
Whiskey, gin, rum, etc. General Distilleries Corp. 323,843; May 7; Serial No. 359,345; published Feb. 26, 1935.
Whiskey, gin, rum, etc. Old Quaker Company. 323,981–2; May 7; Serial Nos. 359,668–9; published Feb. 26, 1935.
Whiskey, gin, rum, etc. S. E. Rykoff & Company. 323,908; May 7; Serial No. 358,949; published Feb. 26, 1935.
Whiskey, gin, rum, etc. Schenley Distributors, Inc. 323,934; May 7; Serial No. 360,245; published Feb. 26, 1935.
Whiskey, rum, Manhattan cocktail, etc. Hepburn & McTavish Ltd. 323,835; May 7; Serial No. 359,467; published Feb. 26, 1935.
Whiskey, Straight Bourbon. I. Projansky. 323,918; May 7; Serial No. 358,790; published Feb. 26, 1935.
Whisky. Johnstone Sadler and Company. 105,854; renewed Aug. 24, 1935.
Whisky. Old Monastery Company. 323,983–4; May 7; Serial Nos. 359,666–7; published Feb. 26, 1935.
Whisky, brandy, gin, etc. Sociedad Vinicola S. & L. Durlacher. 324,001; May 7; Serial No. 346,037; published May 15, 1934.
Whisky, gin and cordials. United Distillers Inc. 323,998; May 7; Serial No. 348,107; published May 1, 1934.
Whisky, Scotch. Levy & Franks Limited. 324,024; May 7; Serial No. 350,860; published Feb. 26, 1935.

CLASS 50

Awnings and tents. Crawford Manufacturing Co. Inc. 323,930; May 7; Serial No. 360,132; published Feb. 26, 1935.
Bottle caps. Sealright Co. 324,034; May 7; Serial No. 360,081; published Feb. 26, 1935.
Fabric coverings for table and buffet glassware, fine china, etc. Kova Knit Co. 323,940; May 7; Serial No. 360,190; published Feb. 26, 1935.
Ladders, Automatic safety. Automatic-Safety Ladder Corp. 323,939; May 7; Serial No. 360,199; published Feb. 26, 1935.
Plant protectors. W. R. Schindler. 323,933; May 7; Serial No. 360,246; published Feb. 26, 1935.
Signs, Enameled metal. Ingram-Richardson Manufacturing Company. 105,851; renewed Aug. 24, 1935.

LIST OF LABELS

Bellaire. For Boxes. Hoague-Sprague Corporation. 45,541; May 7.
Big Bear. For Boxes. Hoague-Sprague Corporation. 45,542; May 7.
Big-Time Football Game. For a Game. R. E. Veazey. 45,565; May 7.
Branch Shoes. For Boxes. Hoague-Sprague Corporation. 45,543; May 7.
Butter (No. 249). For Butter. Sutherland Paper Company. 45,564; May 7.
Carling's Amber Creme Ale. For Ale. Brewing Corporation of America. 45,535; May 7.
Carling's Old Pirate Lager Beer. For Lager Beer. Brewing Corporation of America. 45,534; May 7.
Carling's Red Cap Ale. For Ale. Brewing Corporation of America. 45,533; May 7.
Crescent Modern Vogue. For Boxes. Hoague-Sprague-Corporation. 45,544; May 7.
Fashion Maid. For Boxes. Hoague-Sprague Corporation. 45,545; May 7.
Fashionable Stouts. For Boxes. Hoague-Sprague Corporation. 45,546; May 7.
Foot-True. For Boxes. Hoague-Sprague Corporation. 45,547; May 7.
Gowrie Brand Creamery Butter (No. 248 O–S). For Butter. Sutherland Paper Company. 45,560; May 7.
Grovehill. For Straight Rye Whisky. Continental Distilling Corporation. 45,547; May 7.
Ice Cream (No. 480 P–D–F). For Ice Cream. Sutherland Paper Company. 45,563; May 7.
Ice Cream (No. 482 A–P–D–F). For Ice Cream. Sutherland Paper Company. 45,561; May 7.
Ice Cream (No. 483 A–P). For Ice Cream. Sutherland Paper Company. 45,562; May 7.
Lady Beautiful. For Boxes. Hoague-Sprague Corporation. 45,548; May 7.
Miner's Quality—Always Fresh. For Vacuum Packed California Seedless Raisins. A. R. Miner. 45,555; May 7.
909. For a Bleaching and Cleaning Solution. O. D. Bachand. 45,532; May 7.
Number One Brand China Rice. For China Rice Importing Co. 45,536; May 7.
Our Custom Finished Shirt. For Shirts. L. R. Morse. 45,556; May 7.
Oven Fresh Tasty Oyster Crackers. For Oyster Crackers. Davidson Biscuit Company. 45,538; May 7.
Rio Rita. For Boxes. Hoague-Sprague Corporation. 45,549; May 7.
Sandra. For Boxes. Hoague-Sprague Corporation. 45,550; May 7.
Slax. For Boxes. Hoague-Sprague Corporation. 45,551; May 7.
Smart Shoes. For Boxes. Hoague-Sprague Corporation. 45,552; May 7.
Somola. For Salad and Cooking Vegetable Oil. Suffolk Oil Mill, Incorporated. 45,559; May 7.
Southland Readimix. For Mixed Feed for Stock. Southland Cotton Oil Company. 45,558; May 7.
Switzee Witzee. For Boxes. Hoague-Sprague Corporation. 45,553; May 7.
The Family Pullman Loaf. For Bread. Richter's Bakery. 45,557; May 7.
Vinco. For a Powder Used as a Boiler Cleanser. Vinco Company. 45,566; May 7.
Waldorf Golden Bock Lager. For Lager. Forest City Brewery, Inc. 45,539–40; May 7.
Walk-O-Pedic. For Boxes. Hoague-Sprague Corporation. 45,554; May 7.

LIST OF PRINTS

A Black Panther Isn't Half as Treacherous as a Blow-Out! (Ad GBC–46). For Rubber Tires. B. F. Goodrich Company. 15,130; May 7.

A Garment for Every Figure. For Corsets. Vogue Mfg. Co. 15,136; May 7.

A Trick Your Mother-In-Law Doesn't Know About Muffins. For Biscuit Flour. General Mills, Inc. 15,128; May 7.

Anestex Local Anesthetic Containing Procaine in Combination with Fruit Acids as Tartracaine-Citrocaine Malicaine and Epinephrine. For Local Anesthetic. D. Curtis. 15,126; May 7.

Ever Ready Wall-An-Desk Catalog No. 5. For Trusses, Abdominal Supports, Shoulder Braces, and Elastic Hosiery. L. A. Fritsch. 15,127; May 7.

Every Day He Burns Up as Much Energy as a Boxing Champion! For Wheat Breakfast Food. Cream of Wheat Corporation. 15,125; May 7.
Flight. For Silver Plated Flat Ware. National Silver Company. 15,133; May 7.
Searle Graphoid Fluid Gear Lubricant. For Fluid Gear Lubricants. Searle Petroleum Company. 15,135; May 7.
Searle Graphoid Motor Oil. For Motor Oil. Searle Petroleum Company. 15,134; May 7.
The Official American Legion Uniforms. For American Legion Uniforms. Haymarket Clothing Company. 15,131; May 7.
When Your Child Begins to "Hate" His Cereal Here's the Thing to Do. For Cereal Food. General Mills, Inc. 15,129; May 7.
Wings of a Century. For Automobiles. C. S. Henshaw. 15,132; May 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Baumann, John, Philadelphia, Pa. Attachment for doughnut cutting and cooking machines. 19,557; May 7.

Behrsing, David. (See Godshalk, C. A., Henke, and Behrsing.)

Carlson, Oscar F., assignor of one-half to Oscar F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Boiler feed control. 19,558; May 7.

Carlson, Oscar F., Company et al. (See Carlson, Oscar F., assignor.)

Convertible Duplex Die Corporation, The. (See McTague, Edward V., assignor.)

Cridlebaugh, J. Clayton. (See Jones, Jacob, assignor.)

Godshalk, Clarence A., Ardmore, F. Henke and D. Behrsing, assignors, by mesne assignments, to Ocean City Manufacturing Co., Philadelphia, Pa. Fishing reel. 19,559; May 7.

Hannon, Albert H., Springfield, Ohio. Electroprocessing machine. 19,560; May 7.

Henke, Frederick. (See Godshalk, C. A., Henke, and Behrsing.)

Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Picture transmission. 19,561; May 7.

Jones, Jacob, assignor of forty-nine per cent to J. Clayton Cridlebaugh, Woodinville, Wash. Masks for fowls. 19,562; May 7.

Leeds & Northrup Company. (See Quereau, John F., assignor.)

McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)

McTague, Edward V., assignor to The Convertible Duplex Die Corporation, Millville, N. J. Pressing machine. 19,563; May 7.

Ocean City Manufacturing Co. (See Godshalk, C. A., Henke, and Behrsing, assignors.)

Ohio Oil Company, The. (See Skinner, Alva L., assignor.)

Quereau, John F., Barren Hill, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa. Thermopile. 19,564; May 7.

Radio Corporation of America. (See Jenkins, Charles F., assignor.)

Skinner, Alva L., Bridgeport, Ill., assignor to The Ohio Oil Company, Findlay, Ohio. Counterbalance for well pumps. 19,565; May 7.

Valls, Aurelio, London, England. Water heating and infusion apparatus. 19,566; May 7.

Wiegand, Edwin L., Pittsburgh, Pa. Forming electrical heating elements. 19,567; May 7.

LIST OF DESIGN PATENTEES

Adaire, William R., Washington R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. 95,478; May 7.

Alper, Esther, Brooklyn, N. Y. Lace. 95,479; May 7.

American Record Corporation. (See Lesnik, Seymour J., assignor.)

Atkins, Thomas R., Cliftondale, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,480; May 7.

Atkins, Thomas R., Cliftondale, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,481; May 7.

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Blacher, Benjamin, assignor to Blacher Brothers, Providence, R. I. Hand bag or the like. 95,483; May 7.

Blacher Brothers. (See Blacher, Benjamin, assignor.)

Black Prince Distilleries, Inc., The. (See Steelman, James S., assignor.)

Bousfield, Alfred, Brooklyn, N. Y. Scale casing. 95,484; May 7.

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 95,485; May 7.

Charnaux Patent Corset Company Limited. (See Greig, Jeanne F., assignor.)

Chess, Mary, Inc. (See Robinson, Grace C., assignor.)

Connally, Clem L., Fort Worth, Tex. Combined lamp and clock case. 95,486; May 7.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover. 95,487; May 7.

Cushman, H. T., Mfg. Co. (See De Vries, Herman E., assignor.)

Davis & Catterall. (See Maibach, John J., assignor.)

Davis, Louis, Brooklyn, N. Y. Sleeping garment or similar article. 95,488; May 7.

Deist, Gertrude, New York, N. Y. Textile fabric or similar article of manufacture. 95,489; May 7.

Delman, Inc. (See Morall, Charles, assignor.)

De Vries, Herman E., New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Lamp bracket. 95,490; May 7.

Donley, Harold B. (See Gilmore, J. G., and Donley.)

Doring, Ernest C., Quincy, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,491; May 7.

Doring, Ernest C., Quincy, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,492; May 7.

Doring, Ernest C., Quincy, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,493; May 7.

Doring, Ernest C., Quincy, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,494; May 7.

Earl, Harley J., assignor to General Motors Corporation, Detroit, Mass. Automobile. 95,495; May 7.

Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Automobile. 95,496; May 7.

Fishman, Jacob, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,497; May 7.

Franklin Oil Heating Inc. (See Gilmore, J. G., and Donley, assignors.)

Friedlander, Alexander J., assignor to M. Friedlander Knitting Company, Milwaukee, Wis. Knitted hand-covering. 95,498; May 7.

Friedlander, M., Knitting Company. (See Friedlander, Alexander J., assignor.)

Geddes, Norman B., New York, assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Table centerpiece. 95,482; May 7.

Gehring, Solomon & Birnbaum, Inc. (See Adaire, William R., assignor.)

Gehring, Solomon & Birnbaum, Inc. (See Mackintosh, Frederick, assignor.)

Gehring, Solomon & Birnbaum, Inc. (See Priestley, William, assignor.)

General Motors Corporation. (See Earl, Harley J., assignor.)

Gilbert, Dave, New York, N. Y. Sandal. 95,499; May 7.

Gilmore, Jackson G., and H. B. Donley, assignors to Franklin Oil Heating Inc., Columbus, Ohio. Oil burning apparatus or similar article. 95,500; May 7.

Green, James G., Colorado Springs, Colo. Wine glass. 95,501; May 7.

Greig, Jeanne F., assignor to The Charnaux Patent Corset Company Limited, London, England. Corselette. 95,502; May 7.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Vase. 95,503; May 7.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Vase. 95,504; May 7.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Vase. 95,505; May 7.

Guyer, William, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. 95,506; May 7.

Hahn, Harry W., assignor to Paul Hawkins Company, Los Angeles, Calif. Frozen confection. 95,570; May 7.

Heinze Development Company. (See Heinze, John O., assignor.)

Heinze, John O., assignor to Heinze Development Company, Detroit, Mich. Touring car body. 95,507; May 7.

Helt, Philip, New York, N. Y. Dress. 95,508; May 7.

Hickok Manufacturing Company. (See Sachs, Morris, assignor.)

Hunter, John P., East Orange, N. J., assignor to Safeguard, Inc., New York, N. Y. Check writer. 95,509; May 7.

Idealite, Inc. (See Lazer, Harry M., assignor.)

Kalmon, Morris, St. Louis, Mo. Shoe. 95,510; May 7.

Kean, Nathan K., New York, N. Y. Shoe. 95,511; May 7.

Kean, Nathan K., New York, N. Y. Shoe. 95,512; May 7.

Kensington, Incorporated. (See Guild, Lurelle, assignor.)

Keuthan, Frederick B., Indianapolis, Ind. Display cabinet. 95,513; May 7.

Kirschner, Jack, New York, N. Y. Ensemble dress. 95,514; May 7.

Kollwitz, John, North Tonawanda, N. Y. Pedestal lamp. 95,515; May 7.

Kretschan, Anton, Chicago, Ill. Massage applicator. 95,516; May 7.

Le Boria, Louis G., Rochester, N. Y. Target. 95,517; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp shade. 95,518; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp shade. 95,519; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp shade. 95,520; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp shade. 95,521; May 1.
Laxer, Harry M., assignor to Idealite, Inc., New York, Lamp base or similar article. 95,522; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 95,523; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 95,524; May 7.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 95,525; May 7.
Lesnik, Seymour J., Newark, N. J., assignor to American Record Corporation, New York, N. Y. Buckle slide. 95,526; May 7.
Levin, David, New York, N. Y. Shoe. 95,527; May 7
Lieber, Herman, Woodside, N. Y. Shoe. 95,528; May 7.
Lindstrom, George D., and E. North, Rockford, assignors to National Lock Co., Rockford, Ill. Door handle. 95,529; May 7.
Mackintosh, Frederick, Bristol, R. I., assignor to Gebring Solomon & Birnbaum, Inc., New York, N. Y. Lace. 95,530; May 7.
Malbach, John J., assignor to Davis & Catterall, New York, N. Y. Textile fabric or similar article. 95,531; May 7.
Morall, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. 95,532; May 7.
Moray, Virgil W., New York, N. Y. Heating coil. 95,533; May 7.
Nagel-Chase Mfg. Co., The. (See Schultz, Edward, assignor.)
National Lock Co. (See Lindstrom, G. D., and North, assignors.)
Nieman, Henry W., Columbus, Ohio. Shoe. 95,534; May 7.
Nieman, Henry W., Columbus, Ohio. Shoe. 95,535; May 7.
Nieman, Henry W., Columbus, Ohio. Shoe. 95,536; May 7.
Nieman, Henry W., Columbus, Ohio. Shoe. 95,537; May 7.
Nieman, Henry W., Columbus, Ohio. Shoe. 95,538; May 7.
Nieman, Henry W., Columbus, Ohio. Shoe. 95,539; May 7.
North, Edwin. (See Lindstrom, G. D., and North.)
Perugia, Andre, Paris, France. Shoe. 95,540; May 7.
Piccola, Frank J., Lynn, Mass. Boat. 95,541; May 7.
Polley, Flora B., New York, N. Y. Shoe. 95,542; May 7.
Priestley, William, Cranston, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. 95,543; May 7.
Public, Dedicated to the free use of the. (See Busch, Thomas N., assignor.)
Rampfel, Henry, Lakewood, N. J., assignor to Nathan Straus & Sons, Inc., New York, N. Y. Plate or similar article. 95,544; May 7.
Revere Copper and Brass Incorporated. (See Geddes, Norman B., assignor.)
Reynolds, Edwin, Vineland, N. J. Clothespin or similar article. 95,545; May 7.
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,546; May 7.
Robinson, Grace C., assignor to Mary Chess Inc., New York, N. Y. Bottle. 95,547; May 7.
Rogers, Edward J., Kansas City, Mo. Character doll or similar article. 95,548; May 7.
Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 95,549; May 7.
Safeguard, Inc. (See Hunter, John P., assignor.)
Scholnick Shoe Co. (See Atkins, Thomas R., assignor.)
Scholnick Shoe Co. (See Doring, Ernest C., assignor.)
Scholnick Shoe Co. (See Fishman, Jacob, assignor.)
Scholnick Shoe Co. (See Ziniti, Evelyn, assignor.)
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 95,550; May 7.
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 95,551; May 7.
Seagram, Joseph E. & Sons, Inc. (See Guyer, William, assignor.)
Sperlich, Herman A., and J. H. Uhlig, Detroit, Mich. Ironing machine cabinet. 95,552; May 7.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Picture projecting machine base. 95,553; May 7.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Picture projecting machine base. 95,554; May 7.
Steelman, James S., assignor to Whitall Tatum Company, Millville, N. J. Bottle. 95,555; May 7.
Steelman, James S., Millville, N. J., assignor to The Black Prince Distilleries, Inc., Nutley, N. J. Bottle. 95,556; May 7.
Stevenson, James H., Los Angeles, Calif. Child's wheeled vehicle. 95,557; May 7.
Straus, Nathan, & Sons, Inc. (See Rampfel, Henry, assignor.)
Sutton, Joseph A., New York, N. Y. Lace. 95,558; May 7.
Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
Uhlig, Johannes H. (See Sperlich, H. A., and Uhlig.
Vogel, Joseph M., Adrian, Mich. Beverage mixer. 95,559; May 7.
Whitall Tatum Company. (See Steelman, James S., assignor.)
Williams, Harry E., St. Louis, Mo. Shoe. 95,560; May 7.
Williams, Harry E., St. Louis, Mo. Shoe. 95,561; May 7.
Youngholm, Albin, San Francisco, Calif. Instantaneous water heater. 95,562; May 7.
Zahn, Samuel, New York, N. Y. Dress. 95,563; May 7.
Zahn, Samuel, New York, N. Y. Dress. 95,564; May 7.
Zahn, Samuel, New York, N. Y. Dress. 95,565; May 7.
Zahn, Samuel, New York, N. Y. Dress. 95,566; May 7.
Zegorav, Bogislava, New York, N. Y. Shoe. 95,567; May 7.
Zegorav, Bogislavs, New York, N. Y. Shoe. 95,568; May 7.
Ziniti, Evelyn, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,569; May 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. J. & K. Company, The. (See Janer, Andre, assignor.)
Abameier, Carl, La Grange Park, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for feeding plaster board into a drying kiln. 2,000,269; May 7.
Accetta, Anthony C., Cleveland, Ohio. Fish lure. 2,000,734; May 7.
Adams, Elmer W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Insect repellent. 2,000,004; May 7.
Adams, Richard E., Moorestown, N. J. Playing cards. 2,000,812; May 7.
Adrian, Emile, St. Michel-sur-Meurthe, France. Knot-forming mechanism. 2,000,504; May 7.
Agfa Ansco Corporation. (See Schaeffer, Albert, assignor.)
Ahlborn, J. Frederick, et al. (See Livingston, Maurice H., assignor.)
Air Cushion Products Company, The. (See Arens, Edward W., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Akitt, Norman B., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 2,000,682; May 7.
Akitt, Norman B., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 2,000,683; May 7.
Aktiengesellschaft Brown Boveri & Cie. (See Brunner, G., and Kern, assignors.)
Alden, Carroll R., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Machine tool. 2,000,553; May 7.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,000,871; May 7.
Allen, Roland H. (See Lessing, R., and Allen.)
Allen, William W., Aldan, and A. L. Grammer, Meadowbrook, assignors to The Curtis Publishing Company, Philadelphia, Pa. Opposing offset in printing and the like. 2,000,684; May 7.
Allen-Bradley Company. (See Kenney, Mahlon W., assignor.)
Allis-Chalmers Manufacturing Company. (See Babb, Charles L., assignor.)
Allis-Chalmers Manufacturing Company. (See Dimberg, Paul C., assignor.)
Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)
All-Steel-Equip Company. (See Knell, John, assignor.)
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany, assignor to The Hoover Company, North Canton, Ohio. Continuous absorption refrigeration. 2,000,005; May 7.
Alvey-Ferguson Company. (See Roland, Robert J., assignor.)
Amantea, Samuel, Niagara Falls, N. Y. Paper making machine. 2,000,006; May 7.
American Car and Foundry Company. (See Clarke, A. W., and Dietrichson, assignors.)
American Car and Foundry Company. (See Herdlein, Wallace H., assignor.)
American Engineering Company. (See Kay, Frank W., assignor.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Laundry Machinery Company, The. (See Patterson, John S., assignor.)
American Lurgi Corporation. (See Freise, Max G., assignor.)
American Porcelain Company. (See Hoffmann, Fred P., assignor.)
American Seating Company. (See Hanson, Walter M., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Steel & Wire Company. (See Reis, Charles G., assignor.)
American Telephone and Telegraph Company. (See Espenschied, L., and Green, assignors.)
American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
American Type Founders Company. (See Kelly, William M., assignor.)
Anchor, James, Detroit, Mich. Actuated fender shield. 2,000,813; May 7.
Anderson, Fabian K., assignor of thirty-three and one-third per cent to J. Quinn and thirty-three and one-third per cent to E. Regan, Buffalo, N. Y. Nonrefillable bottle. 2,000,814; May 7.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch cutting or welding apparatus. 2,000,007; May 7.
Anderson, William J., assignor of three-fourths to J. W. McClintock, Los Angeles, Calif. Roll paper cutter. 2,000,432; May 7.
Andrew, Victor J., Wooster, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Control system. 2,000,685; May 7.
Andrews, Arthur A., Tiptree, England. Motion picture apparatus. 2,000,872; May 7.
Andrews, L. V., Worcester, Mass., and C. M. Terry, Decatur, assignors to A. W. Cash Company, Decatur, Ill. Combustion control. 2,000,270; May 7.
Animal Trap Company of America. (See Graybill, Hershey R., assignor.)
Apfel, Jacob, G. Ling, and R. S. Jarrett, Hamilton, Ohio. Lawn edger and weeder. 2,000,460; May 7.
Arens, Edward W., assignor to The Air Cushion Products Company, Cleveland, Ohio. Pneumatic core mattress. 2,000,873; May 7.
Armstrong, Harry H., and A. B. Menefee, Los Angeles, Calif. Floating uranium ores, particularly carnotite. 2,000,656; May 7.
Arnold, Edwin E. (See Burr, G. A., and Arnold.)
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve structure for compressors and pumps. 2,000,735; May 7.
Arnold, Max, New York, N. Y. Permanent waving appliance. 2,000,207; May 7.
Arnold, Philip S., Flint, assignor of one-fifth to C. E. Wisner, Detroit, Mich. Automatic gauge control and means therefor. 2,000,057; May 7.
Aschheim, Selmar, Berlin-Charlottenburg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Oestrus exciting product and producing same. 2,000,117; May 7.
Ashline, George L. (See Jansen, Henry, assignor.)
Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
Atlantic Refining Company, The. (See Murphy, George B., assignor.)
Atlas-Ago, Chemische Fabrik, Aktiengesellschaft. (See Munch, Carl, assignor.)
Aumack, Raymond L., Cranford, N. J. Venting device for gasoline tanks. 2,000,431; May 7.
Avery, Edgar T., Maplewood, N. J. Burner installation for domestic boilers. 2,000,733; May 7.
Axe, Roy T. (See Edwards, O. M., and Axe.)
B. W. S. Company Limited, The. (See Bernon, Maurice L., assignor.)
Babb, Charles L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pump unit. 2,000,874; May 7.
Babcock, Leo A., Cattaragus, N. Y., assignor to Oakes & Burger Co. Milk pasteurizer. 2,000,370; May 7.
Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Variable mica condenser. 2,000,686; May 7.
Bake, Louis S. (See Downing, F. B., and Bake.)
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Baker Perkins Company. (See Eggert, Gustav B., assignor.)
Balfe, George T., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Sheet metal punch machine. 2,000,208; May 7.
Ball, Joseph A., Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Three color photography. 2,000,058; May 7.
Ballantine, John P., Seattle, Wash. Multiple-rate power metering. 2,000,736; May 7.
Barbieri, Cesare, New York, N. Y., assignor to Vortex Cup Company, Chicago, Ill. Dispenser. 2,000,008; May 7.
Barco Manufacturing Co. (See Bard, Francis N., assignor.)
Bard, Francis N., Highland Park, assignor to Barco Manufacturing Co., Chicago, Ill. Train pipe connecter. 2,000,157; May 7.
Barden, William S., Stapleton, N. Y., assignor to Radio Corporation of America. Push-pull amplifier control. 2,000,433; May 7.
Bartlett, C. O., & Snow Company, The. (See Osborn, Irwin S., assignor.)
Basch, William J., Brooklyn, N. Y. Window screen. 2,000,554; May 7.
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bastion, John A. (See Cargill, E. L., and Bastion.)
Bates Laboratories, Inc. (See Oswald, Alfred E., assignor.)

Batterman, John J., assignor to Gabriel Pneumatic Vulcanizer, Incorporated, Cleveland, Ohio. Vulcanizer for repair of inner tubes. 2,000,461; May 7.

Baumbach, Charles, and K. Pietsch, Hersfeld, Germany. Aseptic syringe. 2,000,434; May 7.

Bauer, Fred, Redlands, Calif. Cement plaster. 2,000,371; May 7.

Bauer, Oliver F., and W. R. Carpenter, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,000,209; May 7.

Bauersfeld, Walther, assignor to the firm of Carl Zeiss, Jena, Germany. Microscope stand. 2,000,737; May 7.

Baur, Karl. (See Beppo, W., and Baur.)

Bayless, John L., Anchorage, assignor to Jefferson Island Salt Company, Louisville, Ky. Carton. 2,000,210; May 7.

Bayley, Allen A., administrator. (See Bayley, Arthur J.)

Bayley, Arthur J., Milwaukee, Wis., Allen A. Bayley, administrator of said Arthur J. Bayley, deceased. Door controller. 2,000,574; May 7.

Beasley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupler mechanism. 2,000,436; May 7.

Beatty, Floyd A., Corliss Station, assignor to Lewis Foundry & Machine Company, Groveton, Pa. Up-cut shear. 2,000,314; May 7.

Bechand, A. B., et al. (See Manor, Florian F., assignor.)

Beck, Ernst, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Spinning bobbin. 2,000,372; May 7.

Becker, Heinrich, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Drive for fuel pumps for combustion power engines. 2,000,555; May 7.

Bee Line Manufacturing Company. (See Smith, Roy D., assignor.)

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Clark, James E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Erickson, John R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Power, James E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)

Bell Telephone Laboratories, Incorporated. (See Smythe, Edward E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Walker, Albert C., assignor.)

Benedict, Rich K., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Variable delivery pump or motor. 2,000,271; May 7.

Benner, Raymond C., H. P. Kirchner, and R. L. Melton, assignors to the Carborundum Company, Niagara Falls, N. Y. Apparatus for treating fabrics. 2,000,315; May 7.

Benoit, Leon, Chicago, Ill. Egg carton. 2,000,738; May 7.

Bentley, Cecil, Niagara Falls, Ontario, Canada. Racket. 2,000,416; May 7.

Berggren, Per J., Chicago, Ill. Flexible drive connection for web reeling apparatus. 2,000,436; May 7.

Bergheimer, Edward. (See Heisel, P., and Bergheimer.)

Berl, Ernst, Darmstadt, Germany, assignor to The Mathieson Alkali Works, Inc. Carrying out electro-chemical reactions. 2,000,815; May 7.

Bernon, Maurice Louis, Westbourne Grove, assignor to The H. W. S. Company Limited, Ealing, London, England. Child's folding push-chair. 2,000,875; May 7.

Best Foods, Inc., The. (See Rector, Thomas M., assignor.)

Best Foods, Inc., The. (See Schaub, Jacob, assignor.)

Best, John A., Augusta, Ga. Card index. 2,000,657; May 7.

Bettendorf, William E., and H. H. York, assignors, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Bread slicing machine. 2,000,816; May 7.

Better Packages, Inc. (See Poeppelmeier, Frank H., assignor.)

Biddle, James G., & Company. (See Kiefaber, E. W., Doerr, Whitson, and Creagmile, assignors.)

Big Rock Ranch Company. (See Heise, William H., assignor.)

Binnie, David, Northwich, assignor to Imperial Chemical Industries Limited, London, England. Pyrolysis of hydrocarbons. 2,000,118; May 7.

Birdsey, Charles E., Pasadena, Calif., assignor to United States Gypsum Company, Chicago, Ill. Kiln feed mechanism. 2,000,272; May 7.

Birkenmaier, Theodore. (See Boll, L. P., and Birkenmaier.)

Bishop, Howard B., Summit, N. J. Making manganese sulphur compounds. 2,000,211; May 7.

Bishop, William B., Decatur, assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Soy bean flour. 2,000,317; May 7.

Bixby, Kenneth B., Geneseo, assignor to Midland Electric Coal Corporation, Indianapolis, Ind. Apparatus for drying pulverized material. 2,000,517; May 7.

Black-Clawson Company, The. (See Meeker, W. P. and Price, assignors.)

Black, David, Newton, and J. Reid, Braintree, assignors to H. D. Foss and Company, Inc., Cambridge, Mass. Container for candy packages and the like. 2,000,158; May 7.

Black Diamond Steamship Corporation. (See Hanlon, Michael J., assignor.)

Black, Harold S., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube apparatus. 2,000,505; May 7.

Blalock, Burman K. (See Hess, Joseph F., assignor.)

Blank, Maurice G., assignor to Eastman Kodak Company, Rochester, N. Y. Safety shutter for motion picture projectors. 2,000,575; May 7.

Blount, Arthur L. (See Merrill, D. R., and Blount.)

Blunt, Edmund H., Brooklyn, N. Y. Feed water heater for locomotives, etc. 2,000,009; May 7.

Bolack, Florence B. (See Forman, James, assignor.)

Böhm, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation. 2,000,771; May 7.

Boll, Lester P., University City, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 2,000,876; May 7.

Boller, Ernest R., Cleveland Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Mordant. 2,000,576; May 7.

Bolognino, Andrew, New York, N. Y. Ticket machine. 2,000,159; May 7.

Bomberger, Allen H., Ephrata, Pa. Combined salt and pepper shaker. 2,000,818; May 7.

Boon, Joseph L., assignor to Eastman Kodak Company, Rochester, N. Y. Direct view finder. 2,000,577; May 7.

Booth, Clement. (See Foerster, A. W., and Booth.)

Borden, Perry A. (See Bristol, C. W., and Borden.)

Borlos, Leopold C. (See Johnstone, R. McC., and Borlos.)

Borsook, Louis, Toronto, Ontario, Canada. Knitting machine and process for knitting béret caps and the like. 2,000,373; May 7.

Bottsford, Edward D. (See Ralston, L. T. M. and Bottsford.)

Bourdon, Russell G., assignor to The Shaw-Walker Company, Muskegon, Mich. Folder paper fastener. 2,000,059; May 7.

Bowers, Ward E., Washington, D. C. Oscillation system. 2,000,010; May 7.

Bradbury, William T. (See Kahn, B. B., and Bradbury.)

Bradley, Neil H., Minneapolis, Minn. Guard. 2,000,212; May 7.

Brady, Thomas, Caldwell, N. J., assignor to R. M. Turner, New York, N. Y. Automatic drink vending machine. 2,000,556; May 7.

Braun, Gesa, assignor to Standard Brands Incorporated, New York, N. Y. Manufacture of hydroxy carboxylic acids. 2,000,213; May 7.

Brennan, Raymond F., Attleboro, Mass. Ornamental cross. 2,000,060; May 7.

Brenner, A. T., et al. (See Manor, Florian F., assignor.)

Brewster, Oswald C., Kansas City, Mo., M. G. Paulus, and A. E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill. Continuous pressure distillation process. 2,000,687; May 7.

Brickman, Samuel. (See Langbein, Edward H., assignor.)

Briggs and Stratton Corporation. (See Fitz Gerald, John W. assignor.)

Bright Star Battery Company. (See Corigliano, Peter, assignor.)

Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Vehicle wheel. 2,000,877; May 7.

Brinton, H., Company. (See Gorman, W. D., and Moses, assignors.)

Bristol, Carlton W., Naugatuck, and P. A. Borden, Waterbury, assignors to The Bristol Company, Waterbury, Conn. Controller apparatus. 2,000,739; May 7.

Bristol Company, The. (See Bristol, C. W., and Borden, assignors.)

Britton, Edgar C., H. S. Nutting, and M. E. Huscher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich. Acetic acid. 2,000,878; May 7.

Broadbent, Frederick G. (See Willshaw, H., Norcorss, and Broadbent.)

Brodd, George S., Chicago, Ill. Coin selector. 2,000,462; May 7.

Broeg, William E., Chicago, Ill., assignor to Standard Brands Incorporated, New York, N. Y. Composition of matter and producing porous material. 2,000,160; May 7.

Bromfield, Lloyd T., New York, N. Y. Machine for treating bags. 2,000,507; May 7.

Bromfield, Lloyd T., New York, N. Y. Drying burlap bags. 2,000,506; May 7.

Bronander, Wilhelm B., Montclair, N. J. Slicing machine. 2,000,508; May 7.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Pyridinium iodides and preparing them. 2,000,578; May 7.

Brophy, Dorothy H., Schenectady, N. Y., assignor to General Electric Company. Alkali metal alloy. 2,000,740; May 7.

Brown, Benjamin W. (See Chapman, J., and Brown.)

Brown Instrument Company, The. (See Brown, R. P., and Harrison, assignors.)

Brown Instrument Company, The. (See Krogh, Anker E., assignor.)

Brown Instrument Company, The. (See Side, Frederick W., assignor.)

Brown, Richard P., Philadelphia, and T. R. Harrison, Wyncote, assignors to The Brown Instrument Company, Philadelphia, Pa. Apparatus for gas analyses. 2,000,119; May 7.

Brown, Robert C., Evanston, Ill. Domestic refrigerator. 2,000,879; May 7.

Browne, Montague P., assignor to Mechanical Devices Corporation of America, Buffalo, N. Y. Sliding seat mounting for vehicles. 2,000,463; May 7.

Brunner, Gustav, Baden, and E. Kern, Ennetbaden, assignors to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Motor control system. 2,000,880; May 7.

Bryson, William A. (See Dahlstrom, J. A., and Bryson.)

Buchanan, Stephen N., Elizabeth, assignor to The Thomas & Betts Co., Elizabeth, N. J. Entrance fitting. 2,000,874; May 7.

Buckland, Bruce O., Schenectady, N. Y., assignor to General Electric Company. Fluid jet pump. 2,000,741; May 7.

Buczkowski, Edward J., Ambler, Pa., assignor, by mesne assignments, to Keasbey & Mattison Company. Shingle method. 2,000,557; May 7.

Bulldog Electric Products Company. (See Frank, W. H., Messing, and H. J. L. Frank, assignors.)

Burgess, C. F., Laboratories, Inc. (See Kliefoth, Max H., assignor.)

Burgett, Lynn S., Euclid, Ohio. Arc welding apparatus. 2,000,161; May 7.

Burkhardt Company, The. (See Johnson, Stanley G., assignor.)

Burkhardt, Conrad C. C., Philadelphia, Pa. Tank car. 2,000,819; May 7.

Burnet, Samuel F., Webster Groves, assignor to Laclede Christy Clay Products Company, St. Louis, Mo. Steam generating apparatus. 2,000,509; May 7.

Burr, Gordon A., Wilkinsburg, and E. E. Arnold, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. 2,000,688; May 7.

Busch, Thomas N., Lake City, Fla., dedicated to the free use of the public. Turpentine-face scribe. 2,000,375; May 7.

Buscham, Christian A., Newark, N. J., assignor to Exotic Vanities, Inc., New York, N. Y. Receptacle. 2,000,162; May 7.

Buse, Frederick W. (See Schenk, Frans E. M., assignor.)

Bush, Edward B., Lemont, Ill., assignor to Chadeloid Chemical Company, New York, N. Y. Stain and related composition. 2,000,120; May 7.

Bush, Edward B., Lemont, Ill., assignor, by mesne assignments, to Chadeloid Chemical Company. Wood stain. 2,000,121; May 7.

Busbold, Fred G., Lawrence, Mass. Water closet. 2,000,658; May 7.

C-S Engineering Company. (See Coffin, J. S., Jr., and Scheliens, assignors.)

Cahill, George F., New York, N. Y. Game and game apparatus. 2,000,123; May 7.

Calcott, William S., Pennsgrove, and C. J. Pedersen, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Wood staining. 2,000,689; May 7.

Cameron, John D., Dresden, Ontario, Canada. Horse shoeing and veterinary rack. 2,000,122; May 7.

Cameron Machine Company. (See Johnstone, R. M., and Borlos, assignors.)

Campbell, Charles, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Apparatus for sorting and counting from statistical record-cards. 2,000,214; May 7.

Cannon, James H., Los Angeles, Calif. Cord connecter. 2,000,318; May 7.

Carbide and Carbon Chemicals Corporation. (See Fife, Harvey R., assignor.)

Carbonara, Victor E., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Measuring instruments. 2,000,659; May 7.

Carborundum Company, The. (See Benner, R. C., Kirchner, and Melton, assignors.)

Cargill, Eugene L., and J. A. Bastion, Dallas, Tex., assignors to The Texas Company, New York, N. Y. Heating apparatus. 2,000,376; May 7.

Carlberg, Carl G., Omaha, Nebr. Bottle closure. 2,000,742; May 7.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,000,215; May 7.

Carlson, Gustave A., Detroit, Mich. Grinding machine. 2,000,216; May 7.

Carlsson, Richard E., Stockholm, Sweden. Bracket arrangement for shelves or the like. 2,000,124; May 7.

Carpenter, Claude H., and C. M. Derby, Frewsburg, N. Y. Milk testing device. 2,000,579; May 7.

Carpenter, Daniel A., New York, N. Y. Elastic coupling. 2,000,217; May 7.

Carpenter, William R. (See Bauer, O. F., and Carpenter.)

Carr, James I., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of diaryl sulphones. 2,000,061; May 7.

Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,000,218; May 7.

Carruthers, Eben H., Ithaca, assignor to United Furnace Engineering Company, Inc., New York, N. Y. Combustion of liquid fuels. 2,000,580; May 7.

Carry, Edward F., deceased, Chicago, Ill., M. D. Carry, executrix, assignor to Pullman-Standard Car Manufacturing Company. Cooling and ventilating system. 2,000,477; May 7.

Carry, Mabel D., executrix. (See Carry, Edward F.)

Carton Development Corporation. (See Dart, Robert H., assignor.)

Casablancas, Fernando, Sabadell, Spain. Apparatus for imparting pressure to the cylinders of the mechanisms for drawing textile rovings. 2,000,660; May 7.

Casey, Frank J., Albion, Nebr. Dandelion puller. 2,000,219; May 7.

Cash, A. W., Company. (See Andrews, L. V., and Terry, assignors.)

Caterpillar Tractor Co. (See Gedstad, Rudolph, assignor.)

Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)

Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)

Certain-Teed Products Corporation. (See Knapp, George, assignor.)

Chadborn, Fredreic C., Newburgh, N. Y. Automatic mixing valve. 2,000,319; May 7.

Chadeloid Chemical Company. (See Bush, Edward B., assignor.)

Chambersburg Engineering Company. (See Clarke, Eugene C., assignor.)

Chapman, James, Atlanta, and B. W. Brown, Hapeville, Ga. Protector motion for looms. 2,000,820; May 7.

Chelva Heat Inc. (See Ralston, L. T. M., and Bottsford, assignors.)

Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)

Cherry-Burrell Corporation. (See Neely, Raymond J., assignor.)

Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)

Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)

Chicago Pneumatic Tool Company. (See Wasson, Harry C., assignor.)

Choice, Frank C. (See Ricks, F., Elliott, and Choice.)

Christensen, Niels C., Salt Lake City, Utah. Making pigments from lead ores. 2,000,661; May 7.

Cincinnati Bickford Tool Company, The. (See Schauer, L. L., Boss, and McKewen, assignors.)

Cincinnati Grinders Incorporated. (See Foerster, A. W., and Booth, assignors.)

Cincinnati Grinders Incorporated. (See Peaslee, W., and Nenninger, assignors.)

Cincinnati Grinders Incorporated. (See Roehm, Erwin G., assignor.)

Clancy, Fred V., San Jose, Calif. Brake shoe expander. 2,000,011; May 7.

Clark Equipment Company. (See Spatta, George, assignor.)

Clark, James E., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting electrodes. 2,000,163; May 7.

Clarke, Allen W., and W. F. Dietrichson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Cooling and conditioning air. 2,000,821; May 7.

Clarke, Eugene C., Chambersburg, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Slide valve. 2,000,822; May 7.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Solvent refining of hydrocarbon oil. 2,000,690; May 7.

Clean Coal Company Limited. (See Lessing, R., and Allen, assignors.)

Clesi, Francis P., C. B. Cousley, and C. Meyers, New Orleans, La. Regulator for charging generators. 2,000,125; May 7.

Clover, Ralph, North Vernon, Ind. Turntable. 2,000,823; May 7.

Clum Manufacturing Company. (See Pease, Frederick J., assignor.)

Coffin, Ernest, and F. F. Ruau, Deptford, London, England. Dust extraction apparatus. 2,000,662; May 7.

Coffin, Joel S., Jr., Englewood, and E. L. Scheliens, Ridgewood, assignors to C-S Engineering Company, Englewood, N. J. Lubricated bearing. 2,000,581; May 7.

Cohen, Joseph H., Bridgeport, Conn. Splash guard for vehicle wheel fenders. 2,000,220; May 7.

Cohen, Joseph H., Bridgeport, Conn. Electrical device for automobiles. 2,000,743; May 7.

Colby, Bevan W. (See Fiske, A. H., Colby, and Lewis.)

Cole, John E. (See Lubs, H. A., and Cole.)

Coleman, Gerald H. (See Grether, E. F., and Coleman.)

Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. Purifying tetrachloroethylene. 2,000,881; May 7.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compressor discharge valve. 2,000,691; May 7.

Colt's Patent Fire Arms Manufacturing Co. (See Teller, Spencer J., assignor.)

Colvin, William, Jr., Troy, N. Y. Electrical condenser. 2,000,437; May 7.

Comstock, Daniel F., Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Insulating housing. 2,000,882; May 7.

Conklin, William F., Tarentum, H. S. Hopkins, and J. M. Hover, Crafton, Pa., Tarentum Savings and Trust Company, M. C. Voigt, and C. C. Cox, administrators of said William F. Conklin, deceased. Sheet piling mechanism. 2,000,273; May 7.
Conte, Sebastiano, Princeton, N. J. Electric water heater. 2,000,478; May 7.
Conway, Irvin M. (See McNamara, L. C., Potter, and Conway.)
Cook, Cleo C. and M. M., Visalia, Calif. Closure operating mechanism. 2,000,479; May 7.
Cook, Milford M. (See Cook, Cleo C. and M. M.)
Corigliano, Peter, St. Albans, N. Y., assignor to Bright Star Battery Company, Hoboken, N. J. Dry cell. 2,000,510; May 7.
Couch, Forrest J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Fabric folding machine. 2,000,062; May 7.
Couch, Forrest J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Folding machine. 2,000,063; May 7.
Cousley, Charles B. (See Clesi, F. P., Cousley, and Meyers.)
Covell, Harold S., and C. Lohman, assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Honeycomb directional grille. 2,000,274; May 7.
Cover, Harvey S., South Bend, Ind. Respirator. 2,000,064; May 7.
Cox, Catherine C., et al., administrators, et al. (See Conklin, W. F., Hopkins, and Hover.)
Crane Co. (See Lange, Joseph O., assignor.)
Crane Packing Company, et al. (See Wilkinson, Francis C. W., assignor.)
Creagmile, William B., et al. (See Keifaber, E. W., Doerr, Whitson, and Creagmile.)
Creighton, Harry M., East Norwalk, assignor, by mesne assignments, to The R. U. V. Engineering Corporation, South Norwalk, Conn. Active ray treating device. 2,000,377; May 7.
Crockett, William B., Notre Dame de Grace, Quebec, Canada. Recessing cutter. 2,000,824; May 7.
Cullen, Ernest, San Diego, assignor to John B. Smiley, Los Angeles, Calif. Combination wrench and pliers. 2,000,012; May 7.
Cullen, Harry E., and H. O. Bonning, Minneapolis, Minn., assignors to H. P. Watson, Minneapolis, Minn., deceased. Alfred F. Pillsbury and Bessie Watson, executors. Valve. 2,000,883; May 7.
Curnen, Bernard V. (See Gray, John W., assignor.)
Curtis Publishing Company, The. (See Allen, W. W., and Grammer, assignors.)
Curtiss Aeroplane & Motor Company. (See Osborn, E. R., and Wright, assignors.)
Curtiss Aeroplane & Motor Company. (See Steward, Colby W., assignor.)
Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)
Cyprien Ste-Marie. (See Lavallée, Wilfrid, assignor.)
Dahlstrom, John A., Bay Village, and W. A. Bryson, Lakewood, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio. Oil burner. 2,000,884; May 7.
Darrah, William A., assignor to United States Gypsum Company, Chicago, Ill. Drying materials. 2,000,663; May 7.
Dart, Robert H., Sacramento, Calif., assignor, by mesne assignments, to Carton Development Corporation, New York, N. Y. Lining collar for fruit boxes. 2,000,126; May 7.
Davies, Tom J., New York, N. Y. Wheel wrench. 2,000,744; May 7.
Davies, Walter R., Missoula, Mont. Heater. 2,000,825; May 7.
Davies, Walter R., Missoula, Mont. Electrical heater. 2,000,826; May 7.
Davis & Furber Machine Company. (See Flynn, Edward S., assignor.)
Davis, Homer J., Wilmington, Del. Fiber tube rolling machine. 2,000,065; May 7.
Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Spandrel truss. 2,000,885; May 7.
Dawson, Carlton W., Taft, Calif. Power wrench for well tubing and rods. 2,000,221; May 7.
Dawson, George H., Chicago, and P. O. Unger, Glen Ellyn, assignors to Wilson-Jones Company, Chicago, Ill. Summary board. 2,000,558; May 7.
Dayton Rubber Manufacturing Company, The. (See Kreider, Edward H., assignor.)
De Boer, Rudolph F., Grand Rapids, Mich. Ash receiver. 2,000,275; May 7.
Deine & Co. Orbono-Gesellschaft. (See Janke, Paul, assignor.)
Deisch, Noel, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y. Adjusting effective incremental permeability of magnetic circuits. 2,000,378; May 7.
Deisch, Noel, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y. Method of and apparatus for the formation of images. 2,000,379; May 7.
Deisch, Noel, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y. Apparatus for the formation of images. 2,000,380; May 7.
Delaya-Crey, Thomas C., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing and guard therefor. 2,000,276; May 7.
De Laval Separator Company, The. (See Stresynski, George J., assignor.)
Demag Aktiengesellschaft. (See Siebert, Heinrich, assignor.)
Demol, Albert E., Paterson, N. J. Boil-off or dyeing apparatus. 2,000,745; May 7.
Derby, Charles M. (See Carpenter, C. H., and Derby.)
Dearosiers, Marie B., East Springfield, Mass. Lingerie clasp. 2,000,127; May 7.
Detroit Gasket & Manufacturing Company. (See Balfe, George T., assignor.)
Devine, William P., Dorchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel covering machine. 2,000,128; May 7.
Dichter, Samuel J., assignor to Martha Maid Manufacturing Co., Chicago, Ill. Garment. 2,000,633; May 7.
Didier, William J., Racine, Wis. Artificial limb joint construction. 2,000,066; May 7.
Diesel, Norman F. (See Malm, C. J., Nadeau, and Diesel.)
Dietrich, Wilhelm, Oppau, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Gesellschaft, Frankfort-on-the-Main, Germany. Oxidation of hydrocarbon materials. 2,000,222; May 7.
Dietrichson, William F. (See Clarke, A. W., and Dietrichson.)
Dillehay, Edward R., Glen Ellyn, and O. G. Rieser, Oak Park, Ill., assignors to The Richardson Company, Lockland, Ohio. Composition for storage battery containers. 2,000,582; May 7.
Di Mauro, Giuseppe, Brooklyn, N. Y., assignor of two-thirds to W. M. Goldweber, Bayonne, N. J. Collapsible container. 2,000,067; May 7.
Dimberg, Paul C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Uniting nickel chrome steel turbine blades. 2,000,692; May 7.
Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)
Ditchfield, Frank, assignor of one-half to The Youngstown Steel Door Company, Cleveland, Ohio, and one-half to Pressed Steel Car Company, Pittsburgh, Pa. House car. 2,000,164; May 7.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,000,320; May 7.
Doerr, Josef, et al. (See Kiefaber, E. W., Doerr, Whitson, and Creagmile.)
Domenjoz, John A., New York, N. Y. Aeronautical machine. 2,000,068; May 7.
Donaldson Company. (See Lowther, Wilfred W., assignor.)
Doubrava, Harry W. (See Harris, I. C., and Doubrava.)
Dougherty, James G., New York, N. Y. Electric heating. 2,000,438; May 7.
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Beverage dispensing apparatus. 2,000,583; May 7.
Dovjikov, Alexander D., Wilkinsburg, C. L. Fortescue, Pittsburgh, and C. F. Wagner, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. System impervious to unbalanced faults. 2,000,693; May 7.
Dow Chemical Company, The. (See Britton, E. C., Nutting, and Huscher, assignors.)
Dow Chemical Company, The. (See Coleman, Gerald H., assignor.)
Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
Dow Chemical Company, The. (See Grether, E. F., and Coleman, assignors.)
Dow, Herbert H., deceased, by W. H. Dow and C. Turner, administrators, assignors to The Dow Chemical Company, Midland, Mich. Heat transfer. 2,000,886; May 7.
Dow, Willard H., et al., administrators. (See Dow, Herbert H.)
Downing, Frederick B., Carneys Point, and L. S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of lead alkyls. 2,000,069; May 7.
Dray, Michael, Bronx, N. Y. Automatic submarine safety apparatus. 2,000,746; May 7.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Producing artificial straw and product thereof. 2,000,013; May 7.
Du Brul, Clarence J., Cincinnati, Ohio. Mitering sheet material. 2,000,634; May 7.
Duffy, Peter J., Houston, Tex. Extinguishing oil well fires. 2,000,881; May 7.
Du Mont, Allen B., Upper Montclair, N. J. Telautograph. 2,000,014; May 7.
Dunbar, Charles, Middleton, and W. Todd, Manchester, England, assignors to Imperial Chemical Industries Limited. Wetting preparations and their manufacture. 2,000,559; May 7.
Dunlop Tire & Rubber Corporation. (See McChesney, Cuyler S., assignor.)
Dunlop Tire and Rubber Corporation. (See Willshaw, H., Norcross, and Broadbent, assignors.)
Dunnam, Richard A., Dayton, Ohio. Grooving machine. 2,000,129; May 7.
Du Pont Cellophane Company. (See Herndon, Lee R., assignor.)

Du Pont Cellophane Company. (See Rankin, Julius D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Pedersen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carr, James I., assignor.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Bake, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hannum, Chester W., assignor.)
Du Pont, E. I., de Nemours & Company, The. (See Harris, Charles R., assignor.)
Du Pont, E. I., de Nemours & Co. (See Lubs, H. A., and Cole, assignors.)
Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Vail, Walter E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)
Du Pras, Louis, Marquette, Mich. Self-locking differential. 2,000,223; May 7.
Durand & Huguenin A.-G. (See Haller, Josef, assignor.)
Durkee, Maurice M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Process and apparatus for heating steam. 2,000,277; May 7.
Eastman Kodak Company. (See Blank, Maurice G., assignor.)
Eastman Kodak Company. (See Boon, Joseph L., assignor.)
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastman Kodak Company. (See Fordyce, Charles R., assignor.)
Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
Eastman Kodak Company. (See Fuller, Albert B., assignor.)
Eastman Kodak Company. (See Kenyon, W. O., and Van Dyke, assignors.)
Eastman Kodak Company. (See Malm, C. J., and Fletcher, assignors.)
Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
Eastman Kodak Company. (See Malm, C. J., Nadeau, and Diesel, assignors.)
Eastman Kodak Company. (See Othmer, Donald F., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Hudson, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Minsk, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Van Dyke, assignors.)
Eastman Kodak Company. (See Stone, Herbert G., assignor.)
Eastman Kodak Company. (See Taylor, Ernest R., assignor.)
Eaton, Charles F., West Newbury, assignor to North American Chemical Company, Cambridge, Mass. Magazine shoe filler unit. 2,000,321; May 7.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Fluid-stop joint. 2,000,747; May 7.
Edison, Thomas A., Incorporated. (See Stanley, Harold D., assignor.)
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,000,635; May 7.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,000,828; May 7.
Edwards, Oliver M., and R. T. Axe, assignors, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y. Self contained window structure. 2,000,511; May 7.
Edwards Railway Motor Company, et al. (See Newlin, Mike H., assignor.)
Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Lubricating system for dough dividers. 2,000,512; May 7.
Eggert, Gustav B., deceased, by B. H. Liskow, administrator, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Oil wiper. 2,000,513; May 7.
Egloff, Gustav. (See Morrell, J. C., and Egloff.)
Eisenhut, Otto, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of gaseous mixtures containing hydrogen. 2,000,224; May 7.
Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Thermionic tube stem machine. 2,000,560; May 7.
Electric Storage Battery Company. The. (See Terry, Charles W., assignor.)
Electrical Engineers Equipment Co. (See Hoye, Peder B., assignor.)
Electrogear Corporation. (See Neuland, Alfons H., assignor.)
Electromatic Typewriters, Inc. (See Thompson, Russel G., assignor.)
Elliott, Harold E. (See Ricks, F., and Elliott.)
Elliott, Harold E. (See Ricks, F., Elliott, and Choice.)
Ells, Burdick R., et al. (See Minton, Corwin R., assignor.)
Elsner, Richard, Elizabethton, Tenn., assignor to North American Rayon Corporation. Viscose solution. 2,000,887; May 7.
Engster, Frank W., Troy, N. Y., assignor to General Electric Company. Terminal for electric cables. 2,000,748; May 7.
Enock, Arthur G., Wembley Park, England. Apparatus for pasteurizing milk and other substances. 2,000,514; May 7.
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Erickson, John R., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,000,165; May 7.
Erospha, Inc. (See Wicha, Alois, assignor.)
Espenschied, Lloyd, Hollis, N. Y. Railway signal system. 2,000,166; May 7.
Espenschied, Lloyd, Kew Gardens, N. Y., and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Wide band transmission system. 2,000,130; May 7.
Esseling, August T. (See Jonas, G. B., and Esseling.)
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Estate Stove Company, The. (See Kahn, B. B., and Bradbury, assignors.)
Eternal Calendar Corporation. (See Turnbaugh, Elbert L., assignor.)
Evans, Charles S. (See Starrett, Wendelin D., assignor.)
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Snap operating mechanism. 2,000,322; May 7.
Evans, Job McG. and O. R. Yerington, North Kansas City, Mo. Tobacco press. 2,000,382; May 7.
Evans Products Company. (See Toblin, Kenneth J., assignor.)
Ex-Cell-O Aircraft & Tool Corporation. (See Alden, Carroll R., assignor.)
Exotic Vanities, Inc. (See Buscham, Christian A., assignor.)
Fairmount Glass Works, Inc. (See Ferguson, John, assignor.)
Faltelowitz, Arnold. (See Lippmann, L. M., and Faltelowitz.)
Falconbridge Nickel Mines Limited. (See Gronningsaeter, Anton M., assignor.)
Falk, Morris, Fitchburg, Mass. Lock. 2,000,829; May 7.
Fankboner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Web renewing mechanism. 2,000,439; May 7.
Farber, Jacob, assignor to L. C. Farber, New York, N. Y. Coin control register bank. 2,000,323; May 7.
Farber, Lina C. (See Farber, Jacob, assignor.)
Farren, Robert E., Revere, Mass. Ignition trouble eliminator. 2,000,830; May 7.
Fehrle, Alfred. (See Streitwolf, K., Fehrle and Hilmer.)
Feldmann, Wilhelm. (See Heinrich, R., and Feldman.)
Felix, Edgar H., Ridgewood, N. J., assignor to Radio Inventions, Incorporated, New York, N. Y. Television system. 2,000,694; May 7.
Ferguson, John, assignor to Fairmount Glass Works, Inc., Indianapolis, Ind. Electric furnace. 2,000,278; May 7.
Fetter, Ralph S., Buffalo, N. Y. Closure for fruit jars and the like. 2,000,831; May 7.
Fibreboard Products Inc. (See Ford, G. F. and Pittman, assignors.)
Fichandler, Carl, New York, N. Y. Frequency control. 2,000,584; May 7.
Field, Harold C. (See Hayes, Carl I., assignor.)
Fife, Harvey R., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Composite article and making the same. 2,000,383; May 7.
Filkorn, C. A. (See Husarik, Ynstina, assignor.)
Filso Leather Products, Co. (See Solomon, Morris, assignor.)
Fink, Jean, assignor to Waltham Watch Company, Waltham, Mass. Electro-magnetic impulse clock. 2,000,585; May 7.
Firestone Steel Products Company, The. (See Brink, Winfield S., assignor.)
Firestone Tire & Rubber Company, The. (See Taylor, Raymond S., assignor.)
Fisher, Charles B., Williamsport, Pa. Bow. 2,000,832; May 7.
Fisher, James B., and M. Hofmann, assignors to Waukesha Motor Company, Waukesha, Wis. Injection engine. 2,000,225; May 7.
Fisher Hosiery Co. (See Katzenmoyer, Harry E., assignor.)
Fiske, Augustus H., Warren, B. W. Colby, Providence, and G. B. Lewis, Rumford, assignors to Rumford Chemical Works, Rumford, R. I. Multiuse batter product. 2,000,888; May 7.
Fitch, Clyde J. (See Lemmon, W. S., and Fitch.)
Fitz Gerald, John W., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 2,000,279; May 7.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,000,280; May 7.
Fleischer, I., & Sons. (See Fleischer, Nathan I., assignor.)
Fleischer, Nathan I., assignor to I. Fleischer & Sons, Cincinnati, Ohio. Protective cover for garments. 2,000,324; May 7.
Fletcher, Charles L. (See Malm, C. J., and Fletcher.)
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)

Flury, Godfrey, Austin, Tex. Safety arrow release device for bows in archery. 2,000,015; May 7.
Flynn, Edward S., Lowell, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass. Card roller mounting machine. 2,000,070; May 7.
Flynn, Edward S., Lowell, assignor to Davis & Furber Machine Company, North Andover, Mass. Card clothing resetting machine. 2,000,071; May 7.
Flynt, Robert C., assignor of two-fifths to Forrest G. Miles, Winston-Salem, N. C. Sheet folding mechanism. 2,000,896; May 7.
Foerster, Adolph W., Detroit, Mich., and C. Booth, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,000,586; May 7.
Food Concentrates, Inc. (See Northcutt, R. T., and Johnston, assignors.)
Food Machinery Corporation. (See Hatch, Hugh B., assignor.)
Ford, George F., Los Angeles, and W. F. Pittman, Huntington Park, assignors to Fibreboard Products Inc., San Francisco, Calif. Gluing machine. 2,000,825; May 7.
Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
Fordyce, Charles R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. 2,000,587; May 7.
Forman, Howard L., Kitchawan, N. Y. Refrigerating apparatus. 2,000,440; May 7.
Forman, James, Astoria, Long Island, N. Y., assignor to F. B. Roach, New York, N. Y., doing business under the name of Progress Supply Company. Liquid dispenser. 2,000,107; May 7.
Fortescue, Charles Le G. (See Dovjikov, A. D., Fortescue, and Wagner.)
Foss, H. D., and Company. (See Black, D., and Reid, assignors.)
Foster Machine Company. (See McKena, John O., assignor.)
Frank, Harrison J. L. (See Frank, W. H., Messing, and H. J. L. Frank.)
Frank, William H., J. A. Messing, and H. J. L. Frank, assignors to Bulldog Electric Products Company, Detroit, Mich. Multiple fuse device. 2,000,016; May 7.
Frankfort Distilleries Incorporated. (See Miller, Samuel C., assignor.)
Franklin, Oliver H., assignor of one-half to T. A. and E. E. Hudson, Tyler, Tex. Nut cracking machine. 2,000,749; May 7.
Fransen, Frank J. (See Seger, D., Smith, and Fransen.)
Frantz, Charton C., Pittsburgh, Pa. Baking bread. 2,000,394; May 7.
Freeman, Hubert M., deceased, East Pittsburgh, Pa., by Max F. Reges, administrator, Bloomfield, N. J., and Wallace G. Wade, Philadelphia, Pa., assignors to Westinghouse Electric and Manufacturing Company. Hot cathode electron discharge tube. 2,000,695; May 7.
Freise, Max G., Angermund, near Duesseldorf, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of zinc. 2,000,833; May 7.
Frey, Charles N. (See Gore, H. C., Jones, and Frey.)
Frick, Henry H., Pricks, Pa. Power transmission wheel. 2,000,834; May 7.
Friend, Robert O., and J. A. Montgomery, Chicago, Ill. Zeolite water softener. 2,000,696; May 7.
Fry, Lloyd A., assignor of one-half to The Lebon Company, Chicago, Ill. Treating asphalt shingles and composition therefor. 2,000,228; May 7.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,000,588; May 7.
Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Exposure control apparatus. 2,000,589; May 7.
Fuller Company. (See Morrow, Joseph H., assignor.)
Fuller, Everett W. (See Story, B. W., and Fuller.)
Fulton Company, The. (See Thorp, Joel R., assignor.)
Gabriel Pneumatic Vulcanizer Incorporated. (See Batterman, John J., assignor.)
Gadget's Inc. (See Mallory, Bonnie L., assignor.)
Gagnier, George E. (See Place, Bion C., assignor.)
Garove, Arthur S. (See White, E. J., and Garove.)
Gates, Paul G., Long Beach, Calif. Baller. 2,000,750; May 7.
Gedstad, Rudolph, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,000,072; May 7.
General Airmeters Company. (See Moore, Robert S., assignor.)
General Ashless Works, Inc. (See Neresheimer, H., Ruppel, and Vilsmeier, assignors.)
General Ashless Works, Inc. (See Zitscher, A., and Lambert, assignors.)
General Electric Company. (See Bailey, William M., assignor.)
General Electric Company. (See Brophy, Dorothy H., assignor.)
General Electric Company. (See Buckland, Bruce O., assignor.)
General Electric Company. (See Eby, Eugene D., assignor.)
General Electric Company. (See Engster, Frank W., assignor.)
General Electric Company. (See Hosegood, Philip E., assignor.)
General Electric Company. (See Kiefer, Johannes, assignor.)
General Electric Company. (See Kraft, Hans, assignor.)
General Electric Company. (See Mansur, Clarence W., assignor.)
General Electric Company. (See Norris, Marvin L., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Warrington, Albert R. van C., assignor.)
General Electric Company. (See Zelt, Elmer J., assignor.)
General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)
General Motors Corporation. (See George, Herbert, assignor.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Schweller, Sylvester M., assignor.)
Geophysical Service, Inc. (See Polk, James V., assignor.)
George, Herbert, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,000,590; May 7.
Gilbert, William N., Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale base system. 2,000,168; May 7.
Gillespie Auto Laundry System, Inc. (See Silverman, Samuel J., assignor.)
Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filter. 2,000,441; May 7.
Gleason Works. (See Bauer, O. F., and Carpenter, assignors.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Glick, Oscar P., Denver, Colo. Putty softener. 2,000,751; May 7.
Globe Oil Tools Company. (See Howard, John H., assignor.)
Goas, Harry A., Schuylkill Haven, Pa., assignor to Julius Kayser & Co. Body garment and method of manufacture. 2,000,073; May 7.
Godfrey, Bert O., Brooklyn, N. Y. Trammel point for pitchometers. 2,000,281; May 7.
Goldberger, Frans, Breda, Netherlands, assignor, by mesne assignments, to Sylvania Industrial Corporation, Fredericksburg, Va. Artificial sausage casing. 2,000,835; May 7.
Goldberger, Frans, Breda, Netherlands, assignor, by mesne assignments, to Sylvania Industrial Corporation, Fredericksburg, Va. Manufacturing from nitrocellulose, skins and envelopes particularly adapted for use as artificial sausage casings. 2,000,836; May 7.
Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Talking motion picture apparatus. 2,000,697; May 7.
Goldweber, William M. (See De Mauro, Giuseppe, assignor.)
Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
Goodrich, B. F., Company, The. (See Semon, W. L., and Sloan, assignors.)
Goodrich, B. F., Company, The. (See Sloan, Arthur W., assignor.)
Gore, Herbert C., Scarsdale, Stephen Jónsa, and C. N. Frey, New York, N. Y., assignors to Standard Brands, Incorporated, Dover, Del. Production of malt sirup. 2,000,169; May 7.
Gorissen, Engelbert, Wuppertal-Barmen, Germany. Blower, more particularly for use in vacuum cleaners. 2,000,480; May 7.
Gorman, William D., Philadelphia, Pa., and C. Moses, New York, N. Y., assignors to H. Brinton Company, Philadelphia, Pa. Knitting machine. 2,000,837; May 7.
Gorton, George, Racine, Wis. Swingable support for engraving machine cutter heads. 2,000,838; May 7.
Goss, Byron C., assignor to United States Ordnance Engineers, Inc., Cleveland, Ohio. Disabling and incapacitating gas generating chemical. 2,000,131; May 7.
Goss Printing Press Company, The. (See Faukboner, Harland, assignor.)
Goss Printing Press Company, The. (See Richter, Charles J., assignor.)
Grabb, George W., Sharpsburg, assignor of one-half to R. T. Scully, Pittsburgh, Pa. Shoe attachment for arch supports. 2,000,591; May 7.
Grammer, Allen L. (See Allen, W. W., and Grammer.)
Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Supervised electric system. 2,000,074; May 7.
Grant, Jim A., New York, N. Y. Threshing and scutching machine. 2,000,282; May 7.
Grasselli Chemical Company, The. (See Boller, Ernest R., assignor.)
Gray, John W., assignor of one-half to Bernard V. Curnen, Chattanooga, Tenn. Shock absorber. 2,000,133; May 7.
Gray, Russell J., Minneapolis, Minn. Lubricating means. 2,000,170; May 7.
Graybill, Hershey E., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,000,752; May 7.
Green, Estill I. (See Espenschied, L., and Green.)

Greenfield, Eugene, and F. J. Thibault, assignors to Liquefied Gas Development Company, Detroit, Mich. Support. 2,000,592; May 7.
Greider, James B., Racine, Wis. Footwear. 2,000,366; May 7.
Grether, Ernest F., and G. H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich. Direct developed azo dyes and their production. 2,000,889; May 7.
Griscom, Samuel B., Pittsburgh, and H. C. Nycum, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electromagnetic over-speed protection. 2,000,753; May 7.
Groff, Emory L. (See Hoffman, C. T., and Groff.)
Groff, Emory L., Trustee. (See Hoffman, Charles T., assignor.)
Gronningsaeter, Anton M., New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada. Reduction of oxygeneous nickel or nickel copper compounds. 2,000,171; May 7.
Gross, Leo H., Bartelso, Ill. Door operating device. 2,000,515; May 7.
Grove, Theron A., Revere, Mass. Screw thread repairing tool. 2,000,227; May 7.
Gruender, Oscar C., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Bearing protection device. 2,000,835; May 7.
Guhl, Henry C., Haven, Kans., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable ratio transformer. 2,000,754; May 7.
Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Window support. 2,000,561; May 7.
Haglund, Gustaf, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Removing resin from sulphite cellulose. 2,000,562; May 7.
Hale, Newton J. (See Hodgkinson, Thomas E., assignor.)
Hale, Newton J. (See Hurd, R. O., and Hodgkinson, assignors.)
Haller, Josef, Leverkusen-Wiesdorf, Germany, assignor, by mesne assignments to Durand & Huguenin A.-G., Basel, Switzerland. Azo dyestuff. 2,000,133; May 7.
Hallock, Vernon R., Riverhead, N. Y. Clam-opener. 2,000,075; May 7.
Hamilton-Wade Company. (See Howard, Albert L., assignor.)
Hanlon, Michael J., Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y. Automatic hatch beam locking device. 2,000,839; May 7.
Hanna, Clinton R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motion picture apparatus. 2,000,698; May 7.
Hannum, Chester W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Motor fuel. 2,000,283; May 7.
Hansen, Julius W., Princeton, Ind. Clock. 2,000,327; May 7.
Hanson, Walter M., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich. Hinge. 2,000,172; May 7.
Happel, Albert, assignor to Kent-Owens Machine Company, Toledo, Ohio. Variable speed transmission. 2,000,593; May 7.
Harding, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc welding generator. 2,000,699; May 7.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 2,000,076; May 7.
Harris, Charles R., Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Manufacture of hydrocyanic acid. 2,000,134; May 7.
Harris, Irving C., Los Angeles, and H. W. Doubrava, Beverly Hills, Calif. Apparatus for transmitting energy. 2,000,173; May 7.
Harris, Melvin N., Oakland, Calif. Finger ring. 2,000,228; May 7.
Harris, William, Newark, N. J. Match. 2,000,328; May 7.
Harrison, Charles, Vancouver, British Columbia, Canada. Hose coupling. 2,000,481; May 7.
Harrison, Thomas R. (See Brown, R. P., and Harrison.)
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Apparatus for and method of applying surfacing material to a fabric web. 2,000,077; May 7.
Hart & Cooley Manufacturing Company. (See Covell, H. S., and Lohman, assignors.)
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,000,078; May 7.
Hatch, Hugh B., Dunedin, Fla., assignor to Food Machinery Corporation, San Jose, Calif. Fruit coloring room. 2,000,637; May 7.
Hawkins, Paul, Company. (See Hahn, Harry W., assignor.)
Haydon, Arthur W., Hinsdale, Ill. Electric motor and clock mechanism. 2,000,516; May 7.
Hayes, Carl L., Cranston, assignor to Harold C. Field, Providence, R. I. Multiple furnace. 2,000,664; May 7.
Haynes, Charles F., Weatherford, Tex., assignor of one-half to E. M. Schenecker, Fort Worth, Tex. Electric fan. 2,000,886; May 7.
Haseltine Corporation. (See Lewis, Harold M., assignor.)
Haseltine Corporation. (See Wheeler, Harold A., assignor.)
Heald Machine Company, The. (See Schmidt, William D., assignor.)
Healls, George A., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Electric circuit interrupter. 2,000,442; May 7.
Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Apparatus for the treatment of a gas by a liquid. 2,000,443; May 7.
Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Method of and apparatus for bringing a liquid and a gas into intimate contact or mixture. 2,000,444; May 7.
Heck, Bernard F., St. Paul, Minn. Device for forming plate gangs for multicolor printing. 2,000,755; May 7.
Heck, Bernard F., St. Paul, Minn. Forming plate gangs for multicolor printing. 2,000,756; May 7.
Heinrich, Richard, Berlin-Sudende, and W. Feldmann, Berlin-Spandau, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electrical cleaning of fluids. 2,000,017; May 7.
Heinrich, Richard, Berlin-Sudende, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation of suspended particles from gases. 2,000,020; May 7.
Heinrich, Richard, Berlin-Sudende, Germany, assignor to Siemens Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Separation of emulsions by electrical action. 2,000,018; May 7.
Heinrich, Richard, Berlin-Sudende, and W. Feldmann, Berlin-Spandau, Germany, assignors to International Precipitation Company, Los Angeles, Calif. Electrical precipitation. 2,000,019; May 7.
Heintz & Kaufman, Ltd. (See McCullough, Jack, assignor.)
Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
Heintz & Kaufman, Ltd. (See Eltel, W. W., and McCullough, assignors.)
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Radio tube socket. 2,000,563; May 7.
Heise, William H., assignor to Big Rock Ranch Company, Los Angeles, Calif. Device to level body of a tilted chassis. 2,000,229; May 7.
Heise, William H., assignor to Big Rock Ranch Company, Los Angeles, Calif. Lever means for leveling hearse bodies. 2,000,230; May 7.
Heisel, Paul, and E. Bergheimer, Gersthofen, near Augsburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing alkali metal alcoholates. 2,000,329; May 7.
Hempstead, Joseph A., Pittsburgh, Pa. Air mixing device for gaseous fuels. 2,000,464; May 7.
Henglein, Friedrich A., Cologne-Deuts, and O. Nitzschke, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. 2,000,135; May 7.
Henry, William A., Littleton, Colo. Pressure controlled throttle valve. 2,000,387; May 7.
Hentschel, Ernest R., deceased, Washington, D. C., John Olsen, administrator, assignor to Wired Radio, Inc., New York, N. Y. Sound reproducing system. 2,000,840; May 7.
Hepler, Carroll D., assignor to Trumbull Electric Manufacturing Company, Pacific Division, Seattle, Wash. Electric safety switch. 2,000,231; May 7.
Herdlein, Wallace H., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Apparatus for conditioning air. 2,000,841; May 7.
Herndon, Lee R., Kenmore, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Machine. 2,000,079; May 7.
Hertsberg, Harry, Brooklyn, N. Y. Talking picture screen. 2,000,174; May 7.
High, Carl F., Flint, Mich. Honing tool. 2,000,330; May 7.
Higley, Frank R., Cleveland Heights, Ohio. Vehicle drive. 2,000,465; May 7.
Hill, Edward G., Richmond, assignor to Hill Engineering Corporation, Richmond, Va. Motor vehicle clutch control mechanism. 2,000,331; May 7.
Hill Engineering Corporation. (See Hill, Edward G., assignor.)
Hilmer, Hans. (See Streitwolf, K., Fehrle, and Hilmer.)
Hinkle, James M., Barbourville, Ky., assignor to E. C. Kirby, Indianapolis, Ind. Die oiler. 2,000,482; May 7.
Hitchins, Harry M., Minneapolis, Minn. Egg package. 2,000,284; May 7.
Hochwalt, Carroll A., assignor to The Mead Research Engineering Company, Dayton, Ohio. Pigment. 2,000,842; May 7.
Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
Hoe, R., & Co. (See Horton, Albert J., assignor.)
Hogelin, Isaac E., Guthrie Center, Iowa. Ladder bracket. 2,000,483; May 7.
Hodgkinson, Thomas E., assignor to N. J. Hale, San Francisco, Calif. Testing device. 2,000,594; May 7.
Hodgkinson, Thomas E. (See Hurd, R. O., and Hodgkinson.)
Hoffman, Charles T., and E. L. Groff, Washington, D. C., assignors to E. L. Groff, trustee. Ice cream freezer. 2,000,021; May 7.

Hoffman, Charles T., Washington, D. C., assignor to E. L. Groff, trustee. Ice cream freezer. 2,000,022; May 7.
Hoffman, Charles T., Washington, D. C., assignor to E. L. Groff, trustee. Ice cream freezer for refrigerators. 2,000,023; May 7.
Hoffman Beverage Company. (See Rue, H. E. and Nordstrom, assignors.)
Hoffmann, Fred P., Evanston, assignor, by mesne assignments, to American Porcelain Company, Chicago, Ill. Making dental porcelain. 2,000,285; May 7.
Hofmann, Max. (See Flaher, J. B., and Hofmann.)
Hofstadt, Richard, Wolfen, near Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of ribbons. 2,000,388; May 7.
Holcomb, Michael, Cleveland, Ohio. Detachable connecter. 2,000,757; May 7.
Hollingsworth, Raymond A., and B. H. Moe, Seattle, Wash. Cabin construction. 2,000,638; May 7.
Holy, Mitchell B. (See Snodgrass, E. N., and Holy.)
Hoover Company, The. (See Altenkirch, Edmund, assignor.
Hopkins, Homer S. (See Conklin, W. F., Hopkins, and Hover.
Horni, Paul P., Newark, N. J. Door for fire alarm boxes and the like. 2,000,517; May 7.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Lithographic printing machine. 2,000,518; May 7.
Horton, Erwin C. (See Hueber, H., and Horton.)
Hosmer, Phillip E., Schenectady, N. Y., assignor to General Electric Company. Timer. 2,000,758; May 7.
Hotchkiss, Clifford, Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sign flasher. 2,000,700; May 7.
Hover, John M. (See Conklin, W. F., Hopkins, and Hover.)
Hoyt, Foster B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Switch. 2,000,080; May 7.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Upholstery finishing strip. 2,000,466; May 7.
Howard, John H., Huntington Park, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,000,289; May 7.
Howenstein, George H., Detroit, Mich. Window construction. 2,000,564; May 7.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion picture machine. 2,000,286; May 7.
Hudson, Emma E., et al. (See Franklin, Oliver H., assignor.
Hudson, James H. (See Sheppard, S. E., and Hudson.)
Hudson, T. A., et al. (See Franklin, Oliver H., assignor.)
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Motor. 2,000,590; May 7.
Huebner, William C., New York, N. Y. Photographic vacuum squeegee and negative holder. 2,000,390; May 7.
Hummel, August C., Cincinnati, Ohio. Portable device for dispensing gummed tape. 2,000,287; May 7.
Hunt, Geo. L., Automotive Equipment Co. (See Seger, D., Smith, and Franzen, assignors.)
Hurd, Roy O., and T. E. Hodgkinson, assignors to N. J. Hale, San Francisco, Calif. Apparatus for electrical testing. 2,000,595; May 7.
Husarik, Justina, Russelton, assignor of one-half to C. A. Filtore, Springdale, Pa. Padlock. 2,000,445; May 7.
Huscher, Myron E. (See Britton, E. C., Nutting, and Huscher.)
Huss, Joseph F., assignor of one-half to B. K. Blalock, Charlotte, N. C. Automobile theft preventing device. 2,000,196; May 7.
Huston, Robert E. (See Huston, Stinson, and R. E.)
Huston, Stinson and R. E., Trinity, Tex. Lid for baskets. 2,000,698; May 7.
Hutchings, Edward W., Perry, Fla. Manufacture of barrel staves. 2,000,291; May 7.
Hutchinson, John H., Portslade-by-Sea, assignor to Pipes, Limited, London, England. Roofing and like tiles. 2,000,592; May 7.
Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Bore cutting machine. 2,000,288; May 7.
Hyde, Walter L., Maplewood, Mo. Fence post. 2,000,232; May 7.
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
Hydraulic Press Manufacturing Company, The. (See Benedek, Elek E., assignor.)
I-T-E Circuit Breaker Company. (See Healis, George A., assignor.)
Ide, John M., Cambridge, Mass. Vibrator. 2,000,024; May 7.
Ide, John M., Cambridge, Mass. Vibrator. 2,000,025; May 7.
Ide, John M., Cambridge, Mass. Vibrator. 2,000,026; May 7.
I. G. Farbenindustrie Aktiengesellschaft. (See Beck, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dietrich, W., and Luther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heisel, P., and Bergheimer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, F. A., and Nitzschke, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hofstadt, Richard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Neukirch, Eberhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Baur, assignors.)
Imperial Chemical Industries Limited. (See Binnie, David, assignor.)
Imperial Chemical Industries Limited. (See Dunbar, C., and Todd, assignors.)
Imperial Chemical Industries Limited. (See Thorpe, J. F. and Linstead, assignors.)
International Business Machines Corporation. (See Campbell, Charles, assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corporation. (See Gilbert, William N., assignor.)
International Business Machines Corporation. (See Kirkegaard, Einar L., assignor.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Business Machines Corporation. (See Lemmon, Walter S., assignor.)
International Business Machines Corp. (See Lemmon, W. S., and Fitch, assignors.)
International Business Machines Corporation. (See Maul, Michael, assignor.)
International Business Machines Corporation. (See Weinlich, H. A., and Kölm, assignors.)
International Business Machines Corporation. (See Wood, George R., assignor.)
International Motors Company. (See Matthews, Philip E., assignor.)
International Precipitation Company. (See Heinrich, Richard, assignor.)
International Precipitation Company. (See Heinrich R., and Feldmann, assignors.)
Irving Trust Company, receiver. (See Horton, Albert J.)
J. P. Tubular Heater Company, The. (See Jackson, R. A. F., and Wilson, assignors.)
Jackson, Robert A. F., Glasgow, and A. V. Wilson, Motherwell, assignors, to The J. P. Tubular Heater Company, Limited, Mossend, Lanarkshire, Scotland. Electric heater. 2,000,640; May 7.
Jaeck, Wolfgang, Basel, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing nitrocellulose lacquers. 2,000,393; May 7.
James, Joseph H., Salt Lake City, Utah. Slag conveyer. 2,000,484; May 7.
James Manufacturing Company. (See Shodron, John G., assignor.)
Janer, Andre, Flushing, assignor to The A. J. & K. Company, Incorporated, New York, N. Y. Container for lip sticks and the like. 2,000,701; May 7.
Janke, Paul, Ascona, assignor to Dehne & Co., Orbono-Gesellschaft, Brissago, Switzerland. Composition for killing insects and fungi. 2,000,843; May 7.
Jansen, Henry, assignor of one-half to G. L. Ashline, Chicago, Ill. Tile. 2,000,565; May 7.
Jarrett, Richard S. (See Apfel, J., Ling, and Jarrett.)
Jefferson Island Salt Company. (See Bayless, John L., assignor.)
Jenkins, Thomas A., Roselle, N. J. Liquid chilling apparatus. 2,000,446; May 7.
Jennings, Chester S. (See Perry, H. R., and Jennings.)
Jennings, Frank H., assignor to National Rubber Machinery Company, Akron, Ohio. Planing machine. 2,000,394; May 7.
Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Typewriter attachment. 2,000,641; May 7.
Jensen, Otto T., Fresno, Calif. Toy. 2,000,332; May 7.
Johns, George M., near Sappington, Mo. Coin selector. 2,000,519; May 7.
Johns-Manville Products Corporation. (See Powell, Edward R., assignor.)
Johnson, Arthur A., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric switch. 2,000,447; May 7.
Johnson, Arthur A., Great Neck, N. Y. Curing concrete. 2,000,759; May 7.
Johnson, Stanley G., Grosse Pointe, Mich., assignor to The Burkhardt Company. Loose leaf binder. 2,000,081; May 7.
Johnson, Stanley G., Grosse Pointe, Mich., assignor to The Burkhardt Company. Loose leaf binder. 2,000,844; May 7.
Johnston, Andrew L., Jr. (See Northcutt, R. T., and Johnston.)
Johnstone, Robert McC., Short Hills, and V. C. Borlos, West Englewood, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Combined slitting and crushing device. 2,000,175; May 7.
Jonas, Gottfried B., and A. T. Esseling, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Window of metal or similar material in metal wall. 2,000,845; May 7.
Jones, Harry C., Los Angeles, assignor to N. H. Mann, Hollywood, Calif. Glow lamp. 2,000,895; May 7.

Jones, Harry C., New York, N. Y. Apparatus for securing registration position of an article. 2,000,520; May 7.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal treatment of substances and mechanism therefor. 2,000,521; May 7.
Jones, Paul A., San Francisco, Calif. Book holder and line finder. 2,000,485; May 7.
Journal Box Servicing Corporation. (See McNamara, L. C., Potter, and Conway, assignors.)
Joyner, William. (See Sutliffe, Frank C., assignor.)
Jozsa, Stephen. (See Gore, H. C., Jozsa, and Frey.)
Juelson, Agnes, Chicago, Ill. Curtain protector. 2,000,846; May 7.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,000,334; May 7.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,000,335; May 7.
Kahn, Bertrand B., Cincinnati, and W. T. Bradbury, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,000,333; May 7.
Kaiser, Jacob, Vaihingen, and E. Sauer, Stuttgart, Germany. Artificial manure and producing same. 2,000,082; May 7.
Kaspar, Albert, Cicero, Ill. Window. 2,000,522; May 7.
Kasson, Julius et al. (See Van Note, Eugene, assignor.)
Kasson, Max et al. (See Van Note, Eugene, assignor.)
Katzenmoyer, Harry E., Lauredale, assignor to Fisher Hosiery Co., Inc., Reading, Pa. Run resistant fabric. 2,000,176; May 7.
Kay, Frank W., assignor to American Engineering Company, Philadelphia, Pa. Domestic type stoker. 2,000,702; May 7.
Kayser, Julius, & Co. (See Goas, Harry A., assignor.)
Kazanjian, John G., assignor to Peter Paul Incorporated, Naugatuck, Conn. Molding machine. 2,000,027; May 7.
Keasbey & Mattison Company. (See Buczkowski, Edward J. A., assignor.)
Kehm, Arthur L., Harrisburg, S. Dak., assignor to Meinzer & Kehm Company. Building panel. 2,000,847; May 7.
Keil, Gustav B., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Timing device for washing machines. 2,000,448; May 7.
Keiper, Phillip C., Chicago, Ill., assignor to Westinghouse Elevator Company. Elevator control system. 2,000,703; May 7.
Kelco Company. (See Wig, Rudolph J., assignor.)
Keller, John M., Cleveland, Ohio. Skate. 2,000,396; May 7.
Kellett, Benjamin W., New Orleans, La. Coal bagging machine. 2,000,848; May 7.
Keller, Blaine, Charlotte, N. C. Pressure filter. 2,000,137; May 7.
Kelly, William M., Westfield, assignor to American Type Founders Company, Elizabeth, N. J. Auxiliary rotary printing attachment for printing presses. 2,000,486; May 7.
Kelsey-Hayes Wheel Company. (See White, John W., assignor.)
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Kenney, Mahlon W., assignor to Allen-Bradley Company. Milwaukee, Wis. Rheostat. 2,000,177; May 7.
Kenney, Mahlon W., Berwyn, Ill., assignor to Allen-Bradley Company, Milwaukee, Wis. Rheostat. 2,000,178; May 7.
Kent-Owens Machine Company. (See Happel, Albert, assignor.)
Kenyon, William O., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of lactyl cellulose esters. 2,000,596; May 7.
Kern, Erwin. (See Brunner, G., and Kern.)
Kerr, Ford F., Fresno, Calif. Rack for displaying rugs. 2,000,386; May 7.
Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Company, Hoboken, N. J. Slide rule case. 2,000,337; May 7.
Keuffel & Esser Company. (See Keuffel, Adolf W., assignor.)
Keyes, Robert E., Dedham, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Air distribution unit. 2,000,597; May 7.
Keyser, Carl. (See Winning, W. F., and Keyser.)
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
Kidde, Walter & Company. (See Mapes, Daniel, assignor.)
Kiefaber, Edwin W., and J. Doerr, Philadelphia, T. B. Whitson, Moylan, and W. B. Creagmile, Norwood, assignors of fifty one-hundredths to J. G. Biddle, trading as James G. Biddle Company, and fifty one-hundredths to Rubicon Company, Philadelphia, Pa. Rheostat. 2,000,849; May 7.
Kiefer, Johannes, Berlin-Charlottenberg, Germany, assignor to General Electric Company. Arc lamp projector. 2,000,760; May 7.
Kilgore Manufacturing Company, The. (See Peake, Edward S., assignor.)
King, Elizabeth C. (See King, Robert J. and E. C.)
King, Robert J. Company, The. (See King, Robert J. and E. C., assignors.)
King, Robert J. and E. C., Stamford, assignors to The Robert J. King Company, Inc., Stamford, Conn. Compounding of rubber, etc. 2,000,028; May 7.
Kirby, E. C. (See Hinkle, James M., assignor.)
Kirchner, Henry P. (See Benner, R. C., Kirchner, and Melton.)
Kirkegaard, Einar L., Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,000,283; May 7.
Klatinger, Emil, Trier-on-the-Mosel, Germany. Apparatus for producing hollow aluminum boot-trees by tip casting. 2,000,449; May 7.
Kleinschmidt, Edward E., Park Ridge, and L. M. Potts, Evanston, assignors, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. Keyboard perforator and counter. 2,000,029; May 7.
Kleinschmidt, Edward F., assignor to Teletype Corporation, Chicago, Ill. Facsimile printing telegraph system and apparatus. 2,000,083; May 7.
Klett, Fred F., Jersey City, N. J., assignor to Radio Corporation of America. Capsule making machine. 2,000,234; May 7.
Kliefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Indurating clay and product formed therefrom. 2,000,338; May 7.
Kloss, Athniel, Scobey, Mont. Making cereal coffee. 2,000,450; May 7.
Knapp, George, St. Louis County, Mo., assignor to Certain-teed Products Corporation, New York, N. Y. Covering for surfaces exposed to the weather. 2,000,030; May 7.
Knapp, Harold D., Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Telephone sound reproducer. 2,000,523; May 7.
Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box and cable clamp. 2,000,850; May 7.
Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box. 2,000,851; May 7.
Knutson, Alfred W., Geneseo, Ill. Quilt and rug frame. 2,000,397; May 7.
Koch, Arthur A., Beardsley, Minn. Lip stick holder. 2,000,487; May 7.
Kohler, John F., White Plains, N. Y. Device for feeding plates onto a conveyer. 2,000,761; May 7.
Kölm, Ulrich. (See Weinlich, H. A., and Kölm.)
Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die casting machine. 2,000,488; May 7.
Kothny, Gottlank L., Strafford, Pa., and F. C. Narvesen, East Rockaway, L. I., N. Y., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,000,524; May 7.
Kraft, Hans, Schenectady, N. Y., assignor to General Electric Company. Fluid jet pump. 2,000,762; May 7.
Kramer, Emil M., Muskegon, Mich. Brake testing device. 2,000,289; May 7.
Krause, Charles E. (See Slepian, J., Tanberg, and Krause.)
Krein, Frederick T., assignor to Vortex Cup Company, Park Ridge, Ill. Making confection packages. 2,000,339; May 7.
Kremer, Edward H., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt connecter. 2,000,598; May 7.
Krieger, Adolf W., Brooklyn, N. Y. Combination aquarium. 2,000,451; May 7.
Kries, John, Glendale, N. Y. Line adjuster. 2,000,891; May 7.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Automatic control. 2,000,235; May 7.
Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Leysner, Arthur, assignor.)
Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Trailer jack. 2,000,179; May 7.
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,000,138; May 7.
Laclede Christy Clay Products Company. (See Burnet, Samuel F., assignor.)
Lademann, William L., Bronx, N. Y. Elevator apparatus. 2,000,704; May 7.
Lake, Clair D., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card feeding and handling device. 2,000,236; May 7.
Lake, Clair D., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,000,237; May 7.
La Marca, Patsy, Coraopolis, and O. D. Romito, Charleroi, Pa. Shoe stretching last. 2,000,340; May 7.
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric device. 2,000,642; May 7.
Lambert, Albert L., Philadelphia, Pa., assignor to Heintz Manufacturing Company. Refrigerating system. 2,000,525; May 7.
Lamberz, Wilhelm. (See Zitscher, A., and Lamberz.)
Lamson Company, The. (See Perry, H. R., and Jennings, assignors.)
Lane, John D., Boston, assignor to R. H. Wilbur, Melrose, Mass. Band. 2,000,763; May 7.

Lane, Orley B., Washington, D. C. Computing device consisting of a mathematical curve. 2,000,526; May 7.
Langbein, Edward H., Brooklyn, assignor to Samuel Brinkman, Manhattan, N. Y. Shears. 2,000,852; May 7.
Lange, Joseph O., assignor to Crane Co., Chicago, Ill. Valve. 2,000,853; May 7.
La Pointe Machine Tool Company, The. (See West, D. H., and Monroe, assignors.)
Larsh, Everett P. Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Grease seal for bearings. 2,000,841; May 7.
Larsen Leon H., Norwalk, Conn., assignor to R. T. Vanderbilt Co. Inc., New York, N. Y. Composition of matter, etc. 2,000,031; May 7.
Lathrop, George E., Louisville, Ky., assignor, by mesne assignments, to The Pepsickle Corporation of the United States, New York, N. Y. Confection and making same. 2,000,842; May 7.
Laubenfels, Clarence R., Burlington, Iowa. Thermostatic switch. 2,000,398; May 7.
Lavallée, Wilfrid, Longueuil, Quebec, assignor of one-half to Cyprien Ste-Marie, Longueuil, Quebec, Canada. Lock for safes. 2,000,238; May 7.
Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener supplying mechanism. 2,000,139; May 7.
Leake, Arthur G., Bridgeport, Conn. Strengthening structural members. 2,000,500; May 7.
Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Tubular fitter. 2,000,854; May 7.
Leaver, Charles. (See Stratford, R. K., and Leaver.)
Lebaron Detroit Company. (See Votypka, John, assignor.)
Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermocouple mounting. 2,000,499; May 7.
Lee Rubber & Tire Corporation. (See Nellen, A. H., and Leopold, Jr.)
Lehon Company, The. (See Fry, Lloyd A., assignor.)
Leighton, John W., Port Huron, Mich. Individual wheel support for motor vehicles. 2,000,180; May 7.
Lemmon, Walter S., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Communication system. 2,000,765; May 7.
Lemmon, Walter S., New York, N. Y., and C. J. Fitch, Jersey City, N. J., assignors to International Business Machines Corp., New York, N. Y. Communication system. 2,000,764; May 7.
Leofanti, Gene, Dongan Hills, N. Y. Reproducing apparatus. 2,000,766; May 7.
Leopold, Frederick, Jr. (See Nellen, A. H., and Leopold.)
Lessing, Rudolf, and R. H. Allen, London, assignors to The Clean Coal Company Limited, London, England. Separation of powdered or granular material, especially coal. 2,000,181; May 7.
Leupold, Voipel & Co. (See Stevens, John C., assignor.)
Lewis Foundry & Machine Company. (See Beatty, Floyd A., assignor.)
Lewis, Georgia B. (See Fiske, A. H., Colby, and Lewis.)
Lewis, Harold M., Douglaston, N. Y., assignor to Haseltine Corporation. Short wave receiver arrangement. 2,000,084; May 7.
Lewis, Harold R., Hoopeston, Ill. Canning corn. 2,000,802; May 7.
Lewis, William A., Jr., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phase sequence apparatus. 2,000,767; May 7.
Leysner, Arthur, Magdeburg, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Distillation of zinc and similar metals. 2,000,140; May 7.
Lichtenstein, Ellis, Woodmere, N. Y. Toilet seat cover. 2,000,569; May 7.
Liggieri, Frank, Paterson, N. J. Sharpening device. 2,000,141; May 7.
Lincke, Rudolf, assignor to the firm Carl Zeiss, Jena, Germany. Making contact glasses for eyes. 2,000,768; May 7.
Lincoln, John C., assignor to The Union Trust Company, Cleveland, Ohio. Making welding rod or flux holder. 2,000,182; May 7.
Lindblad, Axel B., Djursholm, Sweden. Working up auriferous and cupriferous arsenical pyrites. 2,000,183; May 7.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission line. 2,000,032; May 7.
Linderman, Garrett B., Jr., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Recorder chart. 2,000,523; May 7.
Linderman, Garrett B., Jr., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Laminated composite paper. 2,000,528; May 7.
Lindseth, Theodore, Coronado, Calif. Cooling, freezing, and heating apparatus. 2,000,467; May 7.
Ling, George. (See Apfel, J., Ling, and Jarrett.)
Linn, Joseph C., Hagerstown, assignor to The Perfect Circle Company, Hagerstown, Ind. Slitting fixture for piston rings. 2,000,239; May 7.
Linstead, Reginald P. (See Thorpe, J. F., and Linstead.)
Linstead, Reginald P. (See Thorpe, J. F., Linstead, and Thomas.)
Lippert, Henry E., Pittsburgh, Pa. Locomotive fuel conveyer. 2,000,468; May 7.
Lippert, Henry E., Pittsburgh, Pa. Locomotive fuel conveyer. 2,000,469; May 7.
Lippmann, Ludwig M., and A. Faltelowitz, Berlin, Germany, said Faltelowitz, assignor to said Lippmann. Denicotinizing tobacco. 2,000,855; May 7.
Liquefied Gas Development Company. (See Greenfield, E., and Thibault, assignors.)
Liskow, Bernard H., administrator. (See Eggert, Gustav B.)
Little, Edwin G. (See McWhirter, W. C., and Little.)
Livingston, Maurice H., Chicago, Ill. Radioreception. 2,000,529; May 7.
Livingston, Maurice H., assignor of forty per cent to J. M. Weisbaum and twenty-five per cent to J. F. Ahlborn, Chicago, Ill. Radioreception. 2,000,530; May 7.
Loeffler, Frits, Yonkers, N. Y. Electric clock. 2,000,600; May 7.
Loewenstein, Casper N., Columbus, Ohio. System for eliminating static. 2,000,142; May 7.
Lohman, Conrad. (See Covell, H. S., and Lohman.)
Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Products Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Surfacing glass. 2,000,240; May 7.
Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phototube. 2,000,705; May 7.
Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 2,000,184; May 7.
Lowther, Wilfred W., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 2,000,706; May 7.
Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of thioindigo dyes. 2,000,033; May 7.
Lusher, Francis A., assignor to Rutenber Electric Co., Marion, Ind. Table top electric range. 2,000,343; May 7.
Luther, Martin. (See Dietrich, W., and Luther.)
Luton, Clarence W., and J. Beddow, Toledo, Ohio, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,000,399; May 7.
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare tires of automobiles. 2,000,290; May 7.
Lyon Incorporated. (See Lyon, George A., assignor.)
Lyons, Arthur C., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Hinge construction. 2,000,856; May 7.
Maclaren, James G., San Francisco, Calif. Pneumatic dispatch carrier. 2,000,400; May 7.
Macoustic Engineering Company. (See White, Richard M., assignor.)
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Maginnis, Alonzo H., Rochelle, Ill. Pulp molding machine. 2,000,085; May 7.
Magnesium Development Corporation. (See Wood, Robert T., assignor.)
Major, Randolph T., Westfield, assignor to Merck & Co. Inc., Rahway, N. J. Manufacture of certain para-N-sec-alkylamino-phenols and other substituted phenols and their salts. 2,000,034; May 7.
Mallory, Bonnie L., assignor to Gadget's Inc., Cleveland, Ohio. Shock absorber. 2,000,086; May 7.
Malm, Carl J., and C. B. Fordyce, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y. Precipitation of cellulose esters. 2,000,601; May 7.
Malm, Carl J., and C. L. Fletcher, assignors to Eastman Kodak Company, Rochester, N. Y. Fibrous esterification of cellulose. 2,000,602; May 7.
Malm, Carl J., and C. R. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Treatment of cellulosic material prior to esterification. 2,000,603; May 7.
Malm, Carl J., G. F. Nadeau, and N. F. Diesel, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of alkoxyadetaldehydes and alkoxyacetic acids. 2,000,604; May 7.
Mandahl, Thor F., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Slit filter. 2,000,490; May 7.
Mangin, James, assignor to New Brunswick Electric Supply Company, New Brunswick, N. J. Electric fixture-supporting and connecting device. 2,000,241; May 7.
Manley, Robert E., Beacon, assignor to The Texas Company, New York, N. Y. Solvent refining of hydrocarbon oil. 2,000,707; May 7.
Mann, Ned H. (See Jones, Harry C., assignor.)
Manning, Reginald W., Phoenix, Ariz. Container. 2,000,242; May 7.
Manor, Florian F., Oshkosh, Wis., assignor of one-third to A. B. Bechaud and one-third to A. T. Brenner, Fond du Lac, Wis. Electrical illuminating device. 2,000,491; May 7.
Manske, Fred A., assignor to United States Gypsum Company, Chicago, Ill. Wall construction. 2,000,243; May 7.
Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Nonmetallic gear wheels. 2,000,769; May 7.

Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Release device for fluids. 2,000,708; May 7.
Martha Maid Manufacturing Co. (See Dichter, Samuel J., assignor.)
Maschinenfabriken Augsburg-Nurnberg A. G. (See Becker, Heinrich, assignor.)
Masin, Jacob S., Anniston, Ala., assignor to Swann Research, Incorporated. Aluminum oxide abrasive and making the same. 2,000,857; May 7.
Maslin, Albert J. See Mercereau, J. T., and Maslin.)
Mason Box Company, The. (See Weller, George H., assignor.)
Master Electric Company, The. (See Larsh, Everett P., assignor.)
Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Cabinet. 2,000,401; May 7.
Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Cabinet. 2,000,402; May 7.
Mathiesen Alkali Works, Inc. (See Berl, Ernst, assignor.).
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Rear engine drive for self-propelled vehicles. 2,000,709; May 7.
Matthews, W. N., Corporation. (See Boll, L. P., and Birkenmaier, assignors.)
Maul, Michael, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Analyzing record cards. 2,000,403; May 7.
Maul, Michael, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,000,404; May 7.
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Maxwell, William R., Hicksville, Ohio. Safety device for firearms. 2,000,858; May 7.
Mayer, Emil, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie M. b. H., Berlin, Germany. Modulation. 2,000,770; May 7.
McBrien, Roger W., Alton, and N. F. Wilson, East Alton, Ill.; said Wilson assignor to said McBrien. Alarm circuit. 2,000,185; May 7.
McCheseney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Inflated article and making the same. 2,000,452; May 7.
McClellan, Garriott L., Cincinnati, Ohio. Support for the head while sleeping or resting in a sitting position. 2,000,344; May 7.
McClintock, James H. (See Anderson, William J., assignor.)
McCullough, Jack. (See Eitel, W. W., and McCullough.)
McCullough, Jack, San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Filament support. 2,000,567; May 7.
McFadden, Ross M., Glendale, Calif. Curling device. 2,000,893; May 7.
McFadden, Ross M., Glendale, Calif. Curler. 2,000,894; May 7.
McGill, William H., Winchester, Mass. Grindstone. 2,000,772; May 7.
McGlauflin, John R., Denver, Colo. Carpenter's tool. 2,000,773; May 7.
McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Glider. 2,000,859; May 7.
McHale, Michael J., Scranton, Pa. Thread guide. 2,000,405; May 7.
McKay Company, The. (See McGowen, William R., assignor.)
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Bobbin conveyer for winding machines. 2,000,774; May 7.
McKeen, Henry E., Montreal, Quebec, Canada. Retaining wall and constructing it. 2,000,492; May 7.
McKewen, John H. (See Schauer, L. L., Sosa, and McKewen.)
McNamara, Frederick W. (See Sprague, F. D., and McNamara.)
McNamara, Leo C., T. W. Potter, and I. M. Conway, Indianapolis, Ind., assignors to Journal Box Servicing Corporation, Indianapolis, Ind. Reclaiming used journal-box waste. 2,000,291; May 7.
McNulty, John W., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,000,775; May 7.
McWhirter, William C., and E. G. Little, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,000,860; May 7.
McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Repair house car construction. 2,000,531; May 7.
Mead Research Engineering Company, The. (See Hochwalt, Carroll A., assignor.)
Mead Research Engineering Company, The. (See Thomas, C. A., and Hochwalt, assignors.)
Mechanical Devices Corporation of America. (See Browne, Montague P., assignor.)
Meeker, William P., and E. C. Price, Franklin, assignors to The Black-Clawson Company, Hamilton, Ohio. Siphon. 2,000,087; May 7.
Megley, Harley J., Chicago, Ill. Type bar machine. 2,000,088; May 7.
Meinser & Kehm Company. (See Kehm, Arthur L., assignor.)
Melton, Romie L. (See Benner, R. C. Kirchner, and Melton.)
Menefee, Arthur B. (See Armstrong, H. H., and Menefee.)
Mercereau, James T., Sharon, and A. J. Maslin, Sharpeville, assignors to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Regulating system. 2,000,776; May 7.
Merck & Co. Inc. (See Major, Randolph T., assignor.)
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Merrill, David R., Long Beach, and A. L. Blount, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Separation and recovery of naphthenic acids and phenols. 2,000,244; May 7.
Mersereau, Edward C. (See Miller, F. D., and Mersereau.)
Messing, Joseph A. (See Frank, W. H., Messing and H. J. L. Frank.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meyer, John F., Chicago, Ill. Game apparatus. 2,000,778; May 7.
Meyers, Clarence. (See Cleal, F. P., Cousley and Meyers.)
Michelson, Albert S., assignor to National Rubber Machinery Company, Akron, Ohio. Vulcaniser. 2,000,406; May 7.
Micro Corporation, The. (See Bettendorf, W. E., and Yerk, assignors.)
Midland Electric Coal Corporation. (See Bixby, Kenneth R., assignor.)
Mikkonen, Simo. (See Niukkanen, W. P., and Mikkonen.)
Miles, Arthur, New Port Richey, Fla. Chassis and spring mounting for motor vehicles. 2,000,568; May 7.
Miles, Forrest G. (See Flynt, Robert C., assignor.)
Miller, Carl G., New York, assignor to Richard K. Parsell, Brooklyn, N. Y. Vacuum therapy device. 2,000,710; May 7.
Miller, Frank D., and E. C. Mersereau, Buffalo, assignors to National Brake Company, Inc., Buffalo, N. Y. Hand brake mechanism. 2,000,089; May 7.
Miller, Frank S., Steubenville, Ohio. Material handling apparatus. 2,000,292; May 7.
Miller, Jacob C., Whitefish Bay, Wis. Liquid dispensing device. 2,000,493; May 7.
Miller, Max O., Los Angeles, Calif. Photography. 2,000,470; May 7.
Miller, Samuel C., assignor to Frankfort Distilleries Incorporated, Louisville, Ky. Bottle and closure therefor. 2,000,407; May 7.
Miller, S. Eugene. (See Weis, Paul B., assignor.)
Miller, Trevlyn W., Malvern Komgha, Union of South Africa. Machine for brushing citrus or other fruits. 2,000,779; May 7.
Miller, Walter K., La Grange, assignor to Shellmar Products Company, Chicago, Ill. Bag. 2,000,345; May 7.
Miller, Walter R., Mansfield, Ohio. Metallic container. 2,000,780; May 7.
Miller, Wilber B., Flushing, N. Y., assignor to Oxweld Acetylene Company. Coated welding electrode. 2,000,861; May 7.
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Minevitch, Borrah, New York, N. Y. Chromatic harmonica with tone controls. 2,000,408; May 7.
Minneapolis-Honeywell Regulator Company. (See Hotchkiss, Clifford, assignor.)
Minsk, Louis M. (See Staud, C. J., and Minsk.)
Minton, Corwin R., assignor of one-third to William B. Phillips, and one-third to Burdick R. Ellis, Los Angeles, Calif. Filtering product and making the same. 2,000,777; May 7.
Minutoli, Andrea, San Francisco, Calif. Wall construction. 2,000,409; May 7.
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Camera focusing mechanism. 2,000,090; May 7.
Mithoff, Robert C. (See Shiffler, W. H., and Mithoff.)
Mobbs, Herbert, Northampton, England. Golf bag. 2,000,711; May 7.
Moe, Bjarne H. (See Hollingsworth, R. A., and Moe.)
Monroe, Kenneth C. (See West, D. H., and Monroe.)
Montgomery, John A. (See Friend, R. O., and Montgomery.)
Mood, George McF., Charleston, S. C. Water motor. 2,000,781; May 7.
Moore, Arlington, New York, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Pressure delivery of fuel in internal combustion engines. 2,000,091; May 7.
Moore, Fred E., Alhambra, Calif. Chair bed. 2,000,471; May 7.
Moore, Joseph W., Bristol, Va. Steam wrapping sealer. 2,000,782; May 7.
Moore, Raymond G., Bridgeport, assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 2,000,245; May 7.
Moore, Robert S., Silver Spring, Md., assignor to General Airmotors Company, Scranton, Pa. Hooded cylinder head for gas engines. 2,000,248; May 7.
Moore Inventions Corporation. (See Moore, Arlington, assignor.)
Moorhouse, Alfred, Detroit, Mich. Transmission mechanism. 2,000,605; May 7.

Morrell, Jacque C., and G. Bgloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,000,410; May 7.
Morrell, Jacque C., and G. Bgloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,000,411; May 7.
Morrell, Jacque C., and G. Bgloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,000,412; May 7.
Morrow, Joseph H., Hohenstaufen, assignor to Fuller Company, Catasauqua, Pa. Seal for conveying apparatus. 2,000,238; May 7.
Morton, James, Carlisle, Cumberland, England. Apparatus for supplying fibrous material for incorporation in fabrics. 2,000,843; May 7.
Moses, Charles. (See Gorman, W. D., and Moses.)
Müller, Otto B., Berlin-Lichterfelde, Germany. Adjustable gauge. 2,000,783; May 7.
Munch, Carl, Düren, assignor to Atlas-Ago, Chemische Fabrik, Aktiengesellschaft, Molkau-bei Leipzig, Germany. Waterproof abrasive paper. 2,000,532; May 7.
Murphy, Demery A., Torrance, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Metallic swing joint for pipes. 2,000,346; May 7.
Murphy, George B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Conversion of hydrocarbon oils. 2,000,186; May 7.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray, John D., Chicago, assignor to The Murray Liquafilm Corporation, Chicago, Ill. Coating of paper. 2,000,847; May 7.
Murray, John J., Arlington, and L. A. White, Medford, said White, assignor to Rogers Isinglass & Glue Company, Gloucester, Mass. Enamel and making same. 2,000,453; May 7.
Murray Liquafilm Corporation, The. (See Murray, John D., assignor.)
Mustard, Oscar J., Pocahontas, assignor of one-half to P. Royall, Tazewell, Va. Tag holder for mine cars. 2,000,896; May 7.
Muzzio, James A., Madison, Ohio. Egg separator. 2,000,477; May 7.
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Portable sanderplane. 2,000,784; May 7.
Myers, Joseph C. (See Uhlmann, H. B., and Myers.)
Myers, Walter H., Wollstonecraft, New South Wales, Australia. Electric cooking stove and the like. 2,000,413; May 7.
N. V. Philips' Gloeilampenfabrieken. (See Jonas, G. B., and Essling, assignors.)
N. V. Machinerieen-en Apparaten Fabriken "Meaf". (See von Schatz, Friedrich, assignor.)
Nadeau, Gale F. (See Malm, C. J., Nadeau, and Diesel.)
Nall, Harry G., Sydney, New South Wales, Australia. Lawn mower. 2,000,143; May 7.
Narvesen, Frederick C. (See Kothny, G. L., and Narvesen.)
National Brake Company. (See Miller, F. D., and Mersereau, assignors.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National Malleable and Steel Castings Company. (See Baseley, Arthur J., assignor.)
National Rubber Machinery Company. (See Jennings, Frank H., assignor.)
National Rubber Machinery Company. (See Michelson, Albert S., assignor.)
National Superior Company, The. (See Murphy, Demery A., assignor.)
Neal, Leon P., Detroit, Mich., assignor to J. Weidenhoff. Battery clip. 2,000,665; May 7.
Neely, Raymond J., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Outlet fitting for tanks. 2,000,246; May 7.
Nellen, Arthur H., and F. Leopold, Jr., Harmonville, assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 2,000,785; May 7.
Nenninger, Lester F. (See Peaslee, W., and Nenninger.)
Neresheimer, Heinrich, W. Ruppel, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the anthraquinone series. 2,000,348; May 7.
Neukirch, Eberhard, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Explosive composition. 2,000,414; May 7.
Neuland, Alfons H., Irvington, N. J., assignor to Electrogear Corporation. Electric system and control for motor vehicles and other purposes. 2,000,786; May 7.
New Brunswick Electric Supply Company. (See Mangin, James, assignor.)
Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostatic structure. 2,000,294; May 7.
Newhouse, Walter F., Benton Harbor, Mich. Machine for making barrels. 2,000,569; May 7.
Newlin, Mike H., Sanford, assignor of one-half to T. B. Upchurch, Jr., Raeford, and one-half to Edwards Railway Motor Company, Sanford, N. C. Mowing machine. 2,000,144; May 7.
Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Unidirectional breather. 2,000,862; May 7.
Nina, Anthony A., Philadelphia, Pa., assignor to Television Laboratories, Ltd., San Francisco, Calif. Separable tube connecter. 2,000,570; May 7.
Nineteen Hundred Corporation. (See Kell, Gustav B., assignor.)
Ninkkanen, William P., and S. Mikkonen, Portland, Oreg. Combination drafting table and instruments therefor. 2,000,247; May 7.
Nitsch, Charles H., assignor to Stokes and Smith Company, Philadelphia, Pa. Box machine. 2,000,712; May 7.
Nitzschke, Oswin. (See Henglein, F. A., and Nitzschke.)
Norcross, Thomas. (See Willshaw, H., Norcross, and Broadbent.)
Nordberg Manufacturing Co. (See Gruender, Oscar C., assignor.)
Nordstrom, Elof. (See Rue, H. E., and Nordstrom.)
Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company. San Francisco, Calif. Valve. 2,000,494; May 7.
Norman Confections, Inc. (See Snodgrass, E. N., and Holy, assignors.)
Norris, Marvin L., Fort Wayne, Ind., assignor to General Electric Company. Clutch. 2,000,713; May 7.
North American Chemical Company. (See Eaton, Charles F., assignor.)
North American Rayon Corporation. (See Elsaner, Richard, assignor.)
Northcutt, Robert T., Cranford, and A. L. Johnston, Jr., Plainfield, N. J., assignors, by mesne assignments, to Food Concentrates, Inc., New York, N. Y. Producing a food powder. 2,000,533; May 7.
Northern Maine Plywood Company. (See Winchell, Thomas R., assignor.)
Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,000,092; May 7.
Nutt, Arthur, Eggertsville, assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Lubrication system. 2,000,714; May 7.
Nutting, Howard S. (See Britton, E. C., Nutting, and Huscher.)
Nycum, Homer C. (See Griscom, S. B., and Nycum.)
Oakes & Burger Co. (See Babcock, Leo A., assignor.)
O'Connor, John F., Chicago, Ill. Grate. 2,000,473; May 7.
O'Connor, John F., Chicago, Ill. Door mounting and operating mechanism. 2,000,474; May 7.
O'Donnell, Philip L., Cincinnati, Ohio. Adhesive material. 2,000,475; May 7.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Roller bearing axle. 2,000,534; May 7.
Oldham, John M., assignor to L. A. Young, Detroit, Mich. Handgrip for golf clubs and the like. 2,000,295; May 7.
Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder. 2,000,187; May 7.
Olsen, John, administrator. (See Hentschel, Ernest R.)
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Seal. 2,000,849; May 7.
Osborn, Irwin S., Cleveland Heights, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Refuse incineration. 2,000,296; May 7.
Osborn, Robert R., Garden City, and T. P. Wright, Port Washington, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Aircraft. 2,000,666; May 7.
Osterholm, William C., Oak Park, Ill. Grinding machine. 2,000,667; May 7.
Oswald, Alfred E., Hackensack, N. J., assignor to Bates Laboratories, Inc., New York, N. Y. Battery reconditioning apparatus. 2,000,571; May 7.
Othmer, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Counter current liquid extraction apparatus. 2,000,606; May 7.
Oxweld Acetylene Company. (See Miller, Wilber B., assignor.)
Packard Motor Car Company. (See Edward, Herbert C., assignor.)
Pannutti, Antonio D., Jr., Falling Waters, W. Va. Separable fastener. 2,000,415; May 7.
Pardoe, William D., Lawrenceville, assignor to Thermoid Rubber Company, Trenton, N. J. Felted asbestos product. 2,000,416; May 7.
Parsell, Richard K. (See Miller, Carl G., assignor.)
Pate, Antonio, North Providence, R. I. Self winding spring motor. 2,000,145; May 7.
Patek, John M., Milwaukee, Wis. Froth flotation process for oxide ores. 2,000,350; May 7.
Patentaktiebolaget Gröndal-Ramen. (See Haglund, Gustaf, assignor.)
Patterson, John S., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband and collar finishing press. 2,000,093; May 7.
Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Vehicle loading device. 2,000,351; May 7.
Paulding, John I., Inc. (See Johnson, Arthur A., assignor.)
Paulus, Max G. (See Brewster, O. C., Paulus, and Thompson.)
Peake, Edward S., assignor to The Kilgore Manufacturing Company, Westerville, Ohio. Gas cannon. 2,000,607; May 7.
Pease, Frederick J., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Electrode. 2,000,668; May 7.

Pease, William T., Huntington Park, assignor to Snow Manufacturing Co., Los Angeles, Calif. Gate valve construction. 2,000,352; May 7.
Peaslee, Willetta, and L. F. Nenninger, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 2,000,608; May 7.
Peavey, Joseph L., Meridian, Miss. Cover attachment for first aid kits. 2,000,495; May 7.
Pedersen, Charles J. (See Calcott, W. S., and Pedersen.)
Pelsch, Fred W., Chicago, Ill. Gauge. 2,000,535; May 7.
Penn, Marco M., Tampa, Fla. Automatic gig. 2,000,146; May 7.
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High speed commutator. 2,000,715; May 7.
Perfect Circle Company, The. (See Linn, Joseph C., assignor.)
Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
Perfection Stove Company. (See Dahlstrom, J. A., and Bryson, assignors.)
Perry, Harold R., Swarthmore, Pa., and C. S. Jennings, assignors to The Lamson Company, Syracuse, N. Y. Conveyer. 2,000,417; May 7.
Peter Paul, Incorporated. (See Kazanjian, John G., assignor.)
Peters, William H., Castleton-on-Hudson, assignor to Wheeler Paper Corporation, Albany, N. Y. Toilet paper container and dispenser. 2,000,454; May 7.
Peterson, Victor, Chicago, Ill., and A. C. Schaefer, Los Angeles, Calif. Printing. 2,000,064; May 7.
Petroleum Processes Corporation, The. (See Tears, Claude F., assignor.)
Pew, Victor G., Kitzmiller, Md. Lawn mower attachment. 2,000,249; May 7.
Pezzella, Rocco, Washington, D. C. Hair curling device. 2,000,496; May 7.
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,000,787; May 7.
Phillips, William B., et al. (See Minton, Corwin R., assignor.)
Pierce, John B., Foundation. (See Davison, Robert L., assignor.)
Pietsch, Karl. (See Baudouin, C., and Pietsch.)
Pillsbury, Alfred F., executors, et al. (See Cullen, H. E., and Ronning.)
Pioneer Instrument Company. (See Carbonara, Victor E., assignor.)
Pipes, Limited. (See Hutchinson, John H., assignor.)
Pitman, Earle C., Princeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insulated electric conductor. 2,000,095; May 7.
Pitman, John C., Saugus, Mass. Frying kettle. 2,000,609; May 7.
Pitre, Andre, Brooklyn, N. Y. Amusement and exercising device. 2,000,250; May 7.
Pittman, Walter F. (See Ford, G. F., and Pittman.)
Pittsburgh Equitable Meter Company. (See Linderman, Garrett B., Jr., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Nonperforated channel assembly. 2,000,147; May 7.
Poeppelmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Type retaining plate. 2,000,035; May 7.
Poeppelmeier, Frank H., Dayton, Ohio, assignor, by mesne assignments, to Better Packages, Inc. Automobile tape moistener. 2,000,536; May 7.
Pohl, Ernst, Kiel, Germany. Method of and apparatus for making Röntgen projections. 2,000,497; May 7.
Poliakoff, Rouvime B., New York, N. Y. Locking device for dial telephones. 2,000,669; May 7.
Polk, James V., Dallas, Tex., assignor to Geophysical Service Inc. Insulated electrical connection. 2,000,716; May 7.
Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Paper receptacle and making same. 2,000,188; May 7.
Popsicle Corporation of the United States, The. (See Lathrop, George E., assignor.)
Porter, Francis L. (See White, H. G., and Porter.)
Porter, Howard C., LaGrange Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Package binder. 2,000,610; May 7.
Potter, Thomas W. (See McNamara, L. C., Potter, and Conway.)
Potts, Louis M. (See Kleinschmidt, E. E., and Potts.)
Powell, Edward R., Alexandria, Ind., assignor, by mesne assignments, to Johns-Manville Products Corporation, New York, N. Y. Heat insulating wall construction. 2,000,863; May 7.
Power, James R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier. 2,000,180; May 7.
Powers, David W., et al. (See Powers, Frank M., assignor.)
Powers, Frank M., assignor of one-third to T. C. Powers and one-third to D. W. Powers, Chicago, Ill. Tent. 2,000,644; May 7.
Powers, Thomas C., et al. (See Powers, Frank M., assignor.)
Prange, Maurice N., Detroit, Mich. Abrasive stone holder. 2,000,611; May 7.
Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,000,670; May 7.
Pressed Steel Car Company et al. (See Ditchfield, Frank, assignor.)
Price, Edward C. (See Meeker, W. P., and Price.)
Progress Supply Company. (See Forman, James.)
Prudhomme, Eugène A., Levallois-Perret, assignor to Lucien Henri Roman, Paris, France. Manufacturing formaldehyde. 2,000,096; May 7.
Pullman Standard Car Manufacturing Company. (See Carry, Edward F., assignor.)
Putnam, Walter, Pasadena, Calif. Flush valve. 2,000,297; May 7.
Quadrex Corporation, The. (See Leathers, Ward, assignor.)
Quinn, James, et al. (See Anderson, Fabian K., assignor.)
R. U. V. Engineering Corporation, The. (See Creighton, Harry M., assignor.)
Radinse, Rudolph E., Avon Lake, Ohio. Wire brush mounting. 2,000,612; May 7.
Radio Corporation of America. (See Barden, William S., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Klett, Fred F., assignor.)
Radio Corporation of America. (See Knapp, Harold D., assignor.)
Radio Corporation of America. (See Knapp, Harold D., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See van der Pol, B., and Veldhuyzen, assignors.)
Radio Inventions, Incorporated. (See Felix, Edgar H., assignor.)
Ralston, Louis T. M., and E. D. Bottsford, New York, N. Y., assignors to Chelva Heat, Inc., Newark, N. J. Electrical heating device. 2,000,455; May 7.
Rankin, Julius D., Yonkers, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Package. 2,000,251; May 7.
Ransom, Harrison S., Moline, Ill. Mark-out cabinet for press make-ready. 2,000,537; May 7.
Rapidol Distributing Corp. (See Rever, Lee B., assignor.)
Rausch, Karl, Dresden, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for treating hides, skins, leather, and other similar pieces of work. 2,000,148; May 7.
Reading Hardware Corporation. (See Lyons, Arthur G., assignor.)
Rector, Thomas M., Rutherford, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Apparatus for preparing food products. 2,000,645; May 7.
Rector, Thomas M., Rutherford, N. J., assignor to The Best Foods, Inc., New York, N. Y. Preparing food products. 2,000,646; May 7.
Reed Propeller Co., The. (See Nutt, Arthur, assignor.)
Reed Roller Bit Company. (See Harrington, George G., assignor.)
Reed, William E., Pittsburgh, Pa. Making wire fabric. 2,000,788; May 7.
Regan, Edward, et al. (See Anderson, Fabian K., assignor.)
Reges, Wax F., administrator. (See Freeman, H. M., and Wade.)
Reich, Morris, Columbus, Ohio. Garment. 2,000,149; May 7.
Reid, James. (See Black, D., and Reid.)
Reis, Charles C., Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill. Tool setting gauge. 2,000,789; May 7.
Renfro, O. H., South Gate, Calif. Tire mounting machine. 2,000,036; May 7.
Reppe, Walter, and K. Baur, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetals. 2,000,252; May 7.
Research Corporation. (See Wintermute, Harry A., assignor.)
Resnick, Murray H., New York, N. Y. Hand bag and reversible cover therefor. 2,000,538; May 7.
Rettenmeyer, Francis X., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,000,190; May 7.
Rever, Lee B., assignor to Rapidol Distributing Corp., New York, N. Y. Dye swab and comb combination. 2,000,790; May 7.
Reynolds, Arthur W., Newtown, Conn. Spring tooth harrow. 2,000,097; May 7.
Richardson Company, The. (See Dillehay, E. R., and Rieser, assignors.)
Richter, Charles J., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Web renewing mechanism. 2,000,253; May 7.
Rickabaugh, Dudley Y., Kelseyville, Calif. Gasoline engine fuel vaporizer. 2,000,498; May 7.
Ricks, Fred, and H. E. Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch sewing machine. 2,000,254; May 7.

Ricks, Fred, H. E. Elliott, and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,000,613; May 7.

Riebe, John, Bronx, N. Y. Door-stay. 2,000,191; May 7.

Rieser, Oliver O. (See Dillehay, H. R., and Rieser.)

Riley Stoker Corporation. (See Kuhner, Max H., assignor.)

Rimoczer, Ödön, Budapest, Hungary. Apparatus for automatically determining the exposure in photographic apparatus. 2,000,637; May 7.

Rivard, Lawrence B., Dearborn, Mich. Independent vehicle wheel suspension. 2,000,255; May 7.

Roberts, Claudius H. M., Long Beach, Calif., assignor to Trutolite Company, Webster Grove, Mo. Breaking petroleum emulsions. 2,000,717; May 7.

Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)

Rocke, Erwin G., Norwood, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,000,614; May 7.

Rogers Fabrikker & Glue Company. (See Murray, J. J., and White, assignors.)

Roland, Robert J., Cincinnati, assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveyer. 2,000,496; May 7.

Roman, Lucien Henri. (See Prudhomme, Eugene A., assignor.)

Romito, Quirino D. (See La Marca, P., and Romito.)

Rowning, Henry O. (See Cullen, H. E., and Rowning.)

Roos, Oscar A., New York, N. Y. Internal combustion motor carburetion apparatus and system of control therefor. 2,000,098; May 7.

Roth, Chester H., New York, N. Y. Hosiery. 2,000,615; May 7.

Royall, Powell. (See Mustard, Oscar J., assignor.)

Ruan, Feli F. (See Coffin, E., and Ruan.)

Rubicon Company et al. (See Klefaber, E. W., Doerr, Whitson and Crengnile, assignors.)

Rudd, Clayton O. and O. C., Phoenix, Ariz. Ant trap. 2,000,041; May 7.

Rudd, Oscar C. (See Rudd, Clayton O., and O. C.)

Rue, Harold R., and B. Nordstrom, East Orange, assignors to Hoffman Beverage Company, Newark, N. J. Shipping case. 2,000,193; May 7.

Rumford Chemical Works. (See Fiske, A. H., Colby, and Lewis, assignors.)

Ruppel, Wilhelm. (See Nereebeimer, H., Ruppel, and Villsmeier.)

Rutenber Electric Co. (See Lusher, Francis A., assignor.)

Ruth, Joseph P., Jr., Denver, Colo. Ore conditioning device. 2,000,418; May 7.

Sage, Henry E. (See Scheide, Lester B., assignor.)

Sanitary Public Service Corporation. (See Schaefer, George, Jr., assignor.)

Sarar, Stjepan, Detroit, Mich. Brick facing support. 2,000,614; May 7.

Sarber, Emery N., Vancouver, British Columbia, Canada. Advertising condiment shaker. 2,000,419; May 7.

Sauer, Eberhard. (See Kaiser, Jacob.)

Schaefer, Archie C. (See Peterson, V., and Schaefer.)

Schaefer, George, Jr., Flushing, assignor to Sanitary Public Service Corporation, New York, N. Y. Paper delivery mechanism. 2,000,089; May 7.

Schaefer, Albert, Marxheim in Taunus, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Treating photographic layers in a bath containing a wetting agent and new preparations intended for acting on photographic layers. 2,000,253; May 7.

Schaffler-Gifford, Konrad, Vienna, Austria. Electric time fuse. 2,000,617; May 7.

Schaub, Jacob, Westfield, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Dispensing device. 2,000,864; May 7.

Schauer, Lawrence L., A. M. Sosa and J. R. McKewen, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Hydraulic transmission system. 2,000,426; May 7.

Schauer, Lawrence L., A. M. Sosa and J. R. McKewen, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Duplex control for radial drills. 2,000,427; May 7.

Scheide, Lester B., Hartford, Conn., assignor of one-half to H. E. Sage, West Hartford, Conn. Building structure. 2,000,889; May 7.

Schellens, Eugene L. (See Coffin, J. S., Jr., and Schellens.)

Schenck, Harry E., Jr., Palisade, N. J. Motion picture camera. 2,000,205; May 7.

Schmeckebier, E. M. (See Haynes, Charles F., assignor.)

Schenk, Franz H. M., Altona, Germany, assignor to Frederick W. Buse, Pittsburgh, Pa. Traveling chain grate. 2,000,399; May 7.

Schering-Kahlbaum A. G. (See Aschheim, Selmar, assignor.)

Schifter, John, New York, N. Y. Dyeing swab. 2,000,456; May 7.

Schlorff, Joseph E., Pesotum, Ill. Safety oil can. 2,000,290; May 7.

Schmalenbach, Adolf, Essen-Ruhr, Germany. Apparatus for the production of ammonium sulphate. 2,000,038; May 7.

Schmidt, William D., assignor to The Heald Machine Company, Worcester, Mass. Tool setting gauge. 2,000,476; May 7.

Schmiedeknecht, Victor E., Louisville, Ky. Bathtub and shower control valve. 2,000,781; May 7.

Schmiedeknecht, Victor E., Louisville, Ky. Sprinkler head for shower baths. 2,000,782; May 7.

Schmitt, Harry A. (See Wood, S. M., and Schmitt.)

Schmitt, Paul, Paris, France. Rheostat. 2,000,718; May 7.

Schneider, Hermann. (See Straub, F., and Schneider.)

Scholl Mfg. Co., The. (See Scholl, William M., assignor.)

Scholl, William M., Chicago, Ill. Foot measure and shoe size indicator. 2,000,257; May 7.

Scholl, William M., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot measuring and impression device. 2,000,256; May 7.

Schroder, George T., New York, N. Y. Insect trap. 2,000,193; May 7.

Schulse, Herman E., East Orange, N. J., assignor to Uniclox Corporation. Chronological instrument. 2,000,457; May 7.

Schultz, Carl A., Joliet, Ill. Collapsible two-room doll house. 2,000,618; May 7.

Schweier, Sylvester M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,000,619; May 7.

Scotland Williams, Incorporated. (See Williams, Louis N. D., assignor.)

Scott & Williams, Incorporated. (See Swinglehurst, Harry, Jr., assignor.)

Scruby, Horace F., Beverly Hills, Calif. Tire grooving machine. 2,000,300; May 7.

Scully, Rees T. (See Grabb, George W., assignor.)

Seger, Dana, and R. D. Smith, Davenport, Iowa, and F. J. Fransen, Rock Island, Ill., assignors to Geo. L. Hunt Automotive Equipment Co., Davenport, Iowa. Kingpin angle gauge. 2,000,865; May 7.

Semon, Waldo L., Cuyahoga Falls, and A. W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 2,000,039; May 7.

Semon, Waldo L., Silver Lake Village, and A. W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 2,000,040; May 7.

Semon, Waldo L., Silver Lake Village, and A. W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 2,000,041; May 7.

Servidor Company, The. (See Matchette, Frank J., assignor.)

Set-O-Type Manufacturing Company. (See Poeppelmeier, Frank H., assignor.)

Seymour, William H., Los Angeles, Calif. Headlight signal. 2,000,258; May 7.

Sharp, Elmer E. (See Stein, Emerson W., assignor.)

Sharples Specialty Company, The. (See Jones, Leo D., assignor.)

Shaw-Walker Company, The. (See Bourdon, Russell G., assignor.)

Shekter, Abraham J., Jamaica, N. Y. Electric switch mechanism. 2,000,648; May 7.

Shellmar Products Company. (See Miller, Walter K., assignor.)

Shelmire, Stanley R., assignor to Standard-Trump Bros. Machine Company, Laconia, N. H. Knitting machine. 2,000,194; May 7.

Sheppard, Samuel E., and J. H. Hudson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y. Compressed foam gelatin. 2,000,042; May 7.

Sherman, John Q., Dayton, Ohio. Transfer material stripper. 2,000,100; May 7.

Sherman, John Q., Dayton, Ohio. Pin feed platen roll. 2,000,651; May 7.

Sherman, John Q., Dayton, Ohio, assignor to The Standard Register Company. Pin feed platen roll. 2,000,649; May 7.

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Multipin wheel platen. 2,000,650; May 7.

Sherman, Ralston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Charging barometric feed devices. 2,000,854; May 7.

Shiffler, William H., and R. C. Mitchoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif. Azeotropic drying of mixtures of water and alcohols or ketones. 2,000,043; May 7.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,000,101; May 7.

Shipley, Grant B., assignor to The Wood Preserving Corporation, Pittsburgh, Pa. Adzing and boring machine. 2,000,458; May 7.

Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Apparatus for the storage of hay. 2,000,102; May 7.

Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Apparatus for storage, curing, and preservation of hay. 2,000,103; May 7.

Sichtermann, Eugen, Rodenkirchen, near Cologne, Germany. Deep-sea electric telephone cable. 2,000,355; May 7.

Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Electric switch. 2,000,422; May 7.

Siebel, Emeline R., executrix. (See Siebel, Ewald H.)

Siebel, Ewald H., Chicago, Ill., deceased; E. R. Siebel, executrix, assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y. Auger bucket for machines for digging caissons and the like. 2,000,195; May 7.

Siebert, Heinrich, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Excavator. 2,000,150; May 7.

Siemens-Schuckertwerke Aktiengesellschaft. (See Heinrich, R., and Feldmann, assignors.)

Signode Steel Strapping Company. (See Porter, Howard C., assignor.)

Silent Glow Oil Burner Corporation, The. (See Sherman, Ralston M., assignor.)

Silverman, Samuel J., Portland, Oreg., assignor to Gilleple Auto Laundry System, Inc., Chicago, Ill. Wash rack for automobiles. 2,000,151; May 7.

Simmons, Harold B., Caldwell, N. J. Pneumatic suspension for vehicles. 2,000,196; May 7.

Singmaster, James A., Bronxville, N. Y. Artificial silk filament. 2,000,671; May 7.

Slepian, Joseph, and R. Tanberg, Pittsburgh, Pa., and C. E. Krause, Greensburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Porous lightning arrester. 2,000,719; May 7.

Sloan, Arthur W. (See Semon, W. L., and Sloan.)

Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,000,044; May 7.

Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,000,045; May 7.

Smiley, John B. (See Cullen, Ernest, assignor.)

Smith, Ferris N., Grand Rapids, Mich. Humidifier. 2,000,356; May 7.

Smith, Howard F., Birmingham, England. Holder for stair carpets. 2,000,259; May 7.

Smith, Robert M., Youngstown, Ohio. Treating water. 2,000,197; May 7.

Smith, Roy D. (See Seger, D., Smith, and Fransen.)

Smith, Roy D., assignor to Bee Line Manufacturing Company, Davenport, Iowa. Mechanism for operating upon automobile axles. 2,000,572; May 7.

Smith, Roy D., assignor to Bee Line Manufacturing Company, Davenport, Iowa. Chassis checking gauge. 2,000,866; May 7.

Smith, William H., San Francisco, Calif. Permanent binder for loose leaves. 2,000,357; May 7.

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound and picture system. 2,000,198; May 7.

Snodgrass, Edward N., Denver, Colo., and M. E. Holy, Chicago, Ill., assignors to Norman Confections, Inc., Denver, Colo. Progressive container. 2,000,301; May 7.

Snow Manufacturing Co. (See Pease, William T., assignor.)

Snyder, Carl M., Glen Ellyn, and F. A. Walker, Oak Park, Ill., assignors to Walker Dishwasher Corporation, Chicago, Ill. Impeller. 2,000,720; May 7.

Snyder, Charles E., Jordan, Pa. Vine divider. 2,000,260; May 7.

Snyder, De Forrest E., Hazleton, Pa. Hot line clamp and insulator. 2,000,652; May 7.

Societe Anonyme des Manufactures des Glaces & Products Chimiques de Saint-Gobain, Chauny & Cirey.) See Long, Bernard, assignor.)

Society of Chemical Industry in Basle. (See Jaeck, Wolfgang, assignor.)

Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)

Socony-Vacuum Oil Company. (See Story, B. W., and Fuller, assignors.)

Solomon, Morris, Brooklyn, assignor to Fiiso Leather Products Co., Inc., New York, N. Y. Portable receptacle. 2,000,302; May 7.

Somerville, William E., Coal City, Ill. Stranding machine. 2,000,104; May 7.

Sosa, Augustus M. (See Schauer, L. L., Sosa, and McKewen.)

Spaldo, Louis C., assignor to Waxed Products Company, Inc., Brooklyn, N. Y. Dispenser for rolled materials. 2,000,867; May 7.

Spaatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Metal wheel. 2,000,573; May 7.

Spencer, White & Prentis, Incorporated (See Siebel, Ewald H., assignor.)

Sperry-Sun Well Surveying Company. (See Kothny, G. L., and Narvesen, assignors.)

Spiess, Georg, Leipsig, Germany. Sheet separating and conveying device. 2,000,261; May 7.

Sprague, Frank D., and F. W. McNamara, North Adams, assignors to Sprague Specialties Co., Quincy, Mass. Sealing means for electrolytic devices. 2,000,793; May 7.

Sprague Specialties Co. (See Sprague, F. D., and McNamara, assignors.)

Staley, A. E., Manufacturing Company. (See Bishop, William B., assignor.)

Staley, A. E., Manufacturing Company. (See Durkee, Maurice M., assignor.)

Stalmer, August, Toledo, Ohio. Curtain stretcher. 2,000,358; May 7.

Standard Brands Incorporated (See Braun, Geza, assignor.)

Standard Brands Incorporated. (See Broeg, William E., assignor.)

Standard Brands Incorporated. (See Gore, H. C., Jozsa, and Frey, assignors.)

Standard Oil Company. (See Adams, Elmer W., assignor.)

Standard Oil Company. (See Brewster, O. C., Paulus, and Thompson, assignors.)

Standard Oil Company of California. (See Shiffler, W. H., and Mithoff, assignors.)

Standard Oil Development Company. (See Stratford, R. K., and Leaver, assignors.)

Standard Register Company, The. (See Sherman, John Q., assignor.)

Standard-Trump Bros. Machine Company. (See Shelmire, Stanley R., assignor.)

Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Centrifugal compressor 2,000,721; May 7.

Stanley, Harold D., Bloomfield, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Sealing battery posts. 2,000,199; May 7.

Starrett, Wendelin D., Alameda, Calif., assignor to Charles S. Evans, San Francisco, Calif. Cigarette making apparatus. 2,000,423; May 7.

Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)

Stator Refrigeration, Inc. (See Comstock, Daniel F., assignor.)

Staud, Cyril J., and L. M. Minsk, assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of cellulose esters. 2,000,620; May 7.

Staud, Cyril J., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Propionation of cellulosic material. 2,000,621; May 7.

Stein, Emerson W., Sea Breeze, assignor of one-half to E. E. Sharp, Fishers, N. Y. Merchandising display fixture for suckers and other merchandise. 2,000,359; May 7.

Stevens, John C., Portland, assignor to Leupold, Voipel & Co., Portland, Oreg. Water level recorder. 2,000,046; May 7.

Steward, Colby W., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Exhaust manifold. 2,000,722; May 7.

Stoker and Smith Company. (See Nitsch, Charles H., assignor.)

Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Making artificial silk. 2,000,047; May 7.

Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Making artificial silk. 2,000,048; May 7.

Stone, Thos. E., Jr. (See Deisch, Noel, assignor.)

Story, Bertrand W., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, (Incorporated), New York, N. Y. Mineral oil composition. 2,000,105; May 7.

Stout, William B., Detroit, Mich. Automobile. 2,000,360; May 7.

Stowell, Jerome N., Fargo, N. Dak. Power converting unit and system. 2,000,868; May 7.

Straka, Anton, Chicago, Ill. Audio amplifying transformer and static eliminator. 2,000,424; May 7.

Stratford, Reginald K., Sarnia, Ontario, and C. Leaver, Toronto, Ontario, Canada, assignors to Standard Oil Development Company. Continuously using clay in treating tower systems. 2,000,672; May 7.

Straub, Frits, Basel, and H. Schneider, Riehen, near Basel, assignors to "Society of Chemical Industry in Basle", Basel, Switzerland. Producing fast tints on animal fibers. 2,000,794; May 7.

Strauss, Joseph B., Chicago, Ill. Apparatus for taking photographs. 2,000,425; May 7.

Streitwolf, Karl, Frankfort-on-the-Main, A. Febrle, Bad Sodem-on-the-Taunus, and H. Hilmer, Frankfort-on-the Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing dihydroxy benzenearsonic acids. 2,000,361; May 7.

Strexynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Self-draining centrifugal bowl. 2,000,459; May 7.

Sturtevant, B. F., Company. (See Keyes, Robert E., assignor.)

Sults, Chauncey G., Scotia, N. Y., assignor to General Electric Company. Welding system. 2,000,723; May 7.

Superior Body Company. (See Paul, Sydney, assignor.)

Sutliffe, Frank C., assignor to William Joyner, San Francisco, Calif. Hypodermic injector. 2,000,262; May 7.

Suverkrup, Herbert F. (See Williamson, C. J., and Suverkrup.)

Svenska Ackumulator Aktiebolaget Jungner. (See Mandahl, Thor F., assignor.)

Swallow, Francis P. (See Swift, W. E., and Swallow.)

Swann Research, Incorporated. (See Masin, Jacob S., assignor.)

Swann Research, Incorporated. (See Udy, Marvin J., assignor.)

Sweeney-Block & Co. (See Sweeney, Frank E., assignor.)

Sweeney, Frank E., Roselle, N. J., assignor to Sweeney-Block & Co., Inc., New York, N. Y. Closure. 2,000,795; May 7.

Swift, Willard E., and F. P. Swallow, Worcester, assignors to United States Envelope Company, Springfield, Mass. Paper drinking cup. 2,000,796; May 7.
Swift, Willard E., Jr., Worcester, assignor to United States Envelope Company, Springfield, Mass. Church collection envelope and making the same. 2,000,797; May 7.
Swinglehurst, Harry, Jr., Floral Park, assignor to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine. 2,000,798; May 7.
Sylvania Industrial Corporation. (See Goldberger, Franz, assignor.)
Symington Company, The. (See Akitt, Norman B., assignor.)
Symons Brothers Development Company. (See Symons, Loren G., assignor.)
Symons, Loren G., Hollywood, assignor to Symons Brothers Development Company, Hollywood, Calif. Wire cloth tightener. 2,000,426; May 7.
Syracuse Trust Company, The. (See Edwards, O. M., and Axe, assignors.)
Tanberg, Ragnar. (See Slepian, J., Tanberg, and Krause.)
Tarentum Savings and Trust Company et al., administrators. (See Conklin, W. F., Hopkins, and Hover.)
Tauchmann, George F., Berkeley, Calif. Reflector mounting. 2,000,303; May 7.
Taugher, Frank P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crane hoist control. 2,000,724; May 7.
Taylor, Ernest R., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition comprising a tertiary alcohol. 2,000,622; May 7.
Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
Taylor, Lester M., Dayton, Ohio. Automatic variable pitch propeller. 2,000,049; May 7.
Taylor, Raymond S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,000,869; May 7.
Taylor, William, Toronto, Ontario, Canada, assignor to J. M. Teahan, Detroit, Mich. Apparatus for molding ceramic structures. 2,000,623; May 7.
Teague, Giles M., Charlotte, N. C. Making confections. 2,000,676; May 7.
Teahan, James M. (See Taylor, William, assignor.)
Tears, Claude F., Mountain Lakes, N. J., assignor to The Petroleum Processes Corporation, Wichita, Kans. High melting point wax and production of same. 2,000,427; May 7.
Technicolor, Inc. (See Ball, Joseph A., assignor.)
Teetor, Ralph R., Hagerstown, Ind. Fishing rod handle. 2,000,263; May 7.
Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston skirt expander. 2,000,106; May 7.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Mayer, Emil, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Walter, Ludwig, assignor.)
Teletype Corporation. (See Kleinschmidt, Edward F., assignor.)
Teletypesetter Corporation. (See Kleinschmidt, E. E., and Potts, assignors.)
Television Laboratories, Ltd. (See Nina, Anthony A., assignor.)
Teller, Spencer Jay, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Container closure means. 2,000,200; May 7.
Terman, Frederick E., Stanford University, Calif. Thermionic tube. 2,000,304; May 7.
Terman, Frederick E., Stanford University, Calif. Frequency multiplier. 2,000,362; May 7.
Terman, Frederick E., Stanford University, Calif., assignor to Wired Radio, Inc., New York, N. Y. Electron tube. 2,000,673; May 7.
Terry, Charles M. (See Andrews, L. V., and Terry.)
Terry, Charles W., Detroit, Mich., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Regulating the output of a generator. 2,000,674; May 7.
Terry, Charles W., Detroit, Mich., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Regulating the output of a generator. 2,000,675; May 7.
Tesch, Elisabeth. (See Tesch, Franz, and E.)
Tesch, Franz H. and E., Hanover, Germany. Necktie. 2,000,799; May 7.
Texas Company, The. (See Cargill, E. L., and Bastion, assignors.)
Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Manley, Robert E., assignor.)
Textier de la Caillerie, Ulysse, Secondigny-en-Gatine, France. Land and water motor vehicle. 2,000,827; May 7.
Thermoid Rubber Company. (See Pardoe, William D., assignor.)
Thibault, Federico J. (See Greenfield, E., and Thibault.)
Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Mower. 2,000,363; May 7.
Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Land vehicle construction. 2,000,364; May 7.
Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
Thomas, Charles A., and C. A. Hochwalt, Dayton, assignors to The Mead Research Engineering Company, Chillicothe, Ohio. Pigment. 2,000,050; May 7.
Thomas, John. (See Thorpe, J. F., Linstead, and Thomas.)
Thompson, Andrew E. (See Brewster, O. C., Paulus, and Thompson.)
Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Apparatus for writing checks. 2,000,201; May 7.
Thomsen, Alfred M., San Francisco, Calif. Distillation of mineral oils, tars, and still residues. 2,000,305; May 7.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Deflecting device. 2,000,107; May 7.
Thorpe, Jocelyn F., R. P. Linstead, and J. Thomas, Earl's Road, Grangemouth, Scotland. Metal compound containing an isoindole nucleus and making the same. 2,000,051; May 7.
Thorpe, Jocelyn F., and R. P. Linstead, Earl's Road, Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of colored compounds and the product thereof. 2,000,052; May 7.
Tobin, Kenneth J., Chicago, Ill., assignor, by mesne assignments, to Evans Products Company, Detroit, Mich. Hanger for automobiles. 2,000,306; May 7.
Todd, William. (See Dunbar, C., and Todd.)
Tollins, Michael, Dorchester, Mass. Razor blade sharpener. 2,000,800; May 7.
Traver, Harry G., Beaver Falls, Pa. Chair. 2,000,624; May 7.
Tretolite Company. (See Roberts, Claudius H. M., assignor.)
Tretolite Company, The. (See Walker, John C., assignor.)
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Tuning system. 2,000,677; May 7.
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Trumbull Electric Manufacturing Company. (See Hepler, Carroll D., assignor.)
Tucker Diesel Motor Co. Ltd. (See Tucker, Emmitt M., assignor.)
Tucker, Emmitt M., Sacramento, Calif., assignor to Tucker Diesel Motor Co. Ltd. Two-cycle gas engine. 2,000,108; May 7.
Turnbaugh, Elbert L., Reno, Nev., assignor to Eternal Calendar Corporation, San Francisco, Calif. Dual century calendar. 2,000,365; May 7.
Turner, Clara, et al., administrators. (See Dow, Herbert H.)
Turner, Louis J., Ottawa, Ontario, Canada. Power transmitting mechanism. 2,000,500; May 7.
Turner, Ross M. (See Brady, Thomas, assignor.)
Turner Tanning Machinery Company, The. (See Rausch, Karl, assignor.)
Tyler, Bert E., Los Angeles, Calif. Oil well swab. 2,000,109; May 7.
Udy, Marvin J., Anniston, Ala., assignor to Swann Research, Incorporated. Simultaneously producing phosphoric acid and silicon alloys. 2,000,627; May 7.
Uhlmann, Henry B., and J. C. Myers, Philadelphia, Pa. Bell lining and shock absorber. 2,000,540; May 7.
Unger, Paul O. (See Dawson, G. H., and Unger.)
Uniclox Corporation. (See Schulse, Herman E., assignor.)
Union Oil Company of California. (See Merrill, D. R., and Blount, assignors.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See McWhirter, W. C., and Little, assignors.)
Union Trust Company, The. (See Lincoln, John C., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United Furnace Engineering Company. (See Carruthers, Eben H., assignor.)
United Shoe Machinery Corporation. (See Devine, William P., assignor.)
United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Elliott, assignors.)
United Shoe Machinery Corporation. (See Ricks, F., Elliott, and Choice, assignors.)
United States Envelope Company. (See Swift, Willard E., Jr., assignor.)
United States Envelope Company. (See Swift, W. E., and Swallow, assignors.)
United States Gypsum Company. (See Absmeier, Carl, assignor.)
United States Gypsum Company. (See Birdsey, Charles R., assignor.)
United States Gypsum Company. (See Darrah, William A., assignor.)
United States Gypsum Company. (See Manske, Fred A., assignor.)
United States Ordnance Engineers, Inc. (See Goss, Byron C., assignor.)
United States Printing and Lithograph Co. (See Weikel, Henry C., Jr., assignor.)
Universal Oil Products Company. (See Luton, C. W., and Beddow, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
Upchurch, Thomas B., Jr., et al. (See Newlin, Mike H., assignor.)

Vail, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of carboxylic acid. 2,000,053; May 7.
Vanderbilt, R. T., Co. Inc. (See Larson, Leon H., assignor.)
Van der Pol, Balthasar, and R. Veldhuyzen, Eindhoven, Netherlands, assignors to Radio Corporation of America. Differential condenser. 2,000,678; May 7.
Van Dyke, Russel H. (See Kenyon, W. O., and Van Dyke.)
Van Dyke, Russel H. (See Staud, C. J., and Van Dyke.)
Van Horn, Chris S., Bloomsburg, Pa. Dental casting machine. 2,000,801; May 7.
Van Note, Eugene, Kearny, N. J., assignor of one-half to M. and J. Kasson, New York, N. Y. Hinge and rest. 2,000,541; May 7.
Van Osdel, William J., Chicago, Ill. Alternating current clock. 2,000,307; May 7.
Vaughan, John F., Belmont, Mass. Measuring instrument. 2,000,625; May 7.
Vaughn, Chester L., Yorktown, Ind. Lock. 2,000,264; May 7.
Vazquez, Eugenio A., Habana, Cuba. Recovery of sugar and salts from sugar cane molasses. 2,000,202; May 7.
Veldhuyzen, Romyn. (See van der Pol, B., and Veldhuyzen.)
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Floor slab construction. 2,000,110; May 7.
Vernor, James, Company. (See Doughty, William E., assignor.)
Vickers, Harry F., Detroit, Mich. Vacuum system for hydraulically operated mechanisms. 2,000,205; May 7.
Victor, Joseph N., Allentown, Pa. Window construction. 2,000,366; May 7.
Vilsmeier, Anton. (See Noreisheimer, H., Ruppel, and Vilsmeier.)
Voigt, Mabel C., et al., administrators. (See Conklin, W. F., Hopkins, and Hover.)
Von Schlitz, Friedrich, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabricken "Mepaf", Utrecht, Netherlands. Volume metering apparatus. 2,000,308; May 7.
Vortex Cup Company. (See Barbieri, Cesare, assignor.)
Vortex Cup Company. (See Krein, Frederick T., assignor.)
Votypka, John, assignor to Lebaron Detroit Company, Detroit, Mich. Vehicle body and top construction. 2,000,626; May 7.
Wade, David E., Albany, N. Y. Ink well and pen filling device. 2,000,501; May 7.
Wade, Wallace G. (See Freeman, H. M., and Wade.)
Wagner, Charles F. (See Dovjikov, A. D., Fortescue, and Wagner.)
Walker, Albert C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical conductor. 2,000,428; May 7.
Walker Dishwasher Corporation. (See Snyder, C. M., and Walker, assignors.)
Walker, Forrest A. (See Snyder, C. M. and Walker.)
Walker, John C., Eldorado, Kans., assignor, by mesne assignments, to The Tretolite Company, Webster Groves, Mo. Breaking of oil-water emulsions. 2,000,725; May 7.
Walker, John C., Eldorado, Kans., assignor, by mesne assignments, to The Tretolite Company, Webster Groves, Mo. Breaking of oil-water emulsions. 2,000,802; May 7.
Walker, Joseph F., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Stabilization of formaldehyde solutions. 2,000,152; May 7.
Walter, Ludwig, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Flexible high frequency line. 2,000,679; May 7.
Waltham Watch Company. (See Fink, Jean, assignor.)
Warrington, Albert R. van C., Media, Pa., assignor to General Electric Company. Electroresponsive device. 2,000,803; May 7.
Wasson, Harry C., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure control apparatus. 2,000,542; May 7.
Watson, Arthur C., Marietta, Ohio. Method and apparatus for producing visual effects. 2,000,153; May 7.
Watson, Bessie, executors, et al. (See Cullen, H. E., and Ronning.)
Watson, Charles L., San Francisco, Calif. Constant temperature oven. 2,000,266; May 7.
Watson, Henry P. (See Cullen, H. E., and Ronning, assignors.)
Waukesha Motor Company. (See Fisher, J. B., and Hofmann, assignors.)
Waxed Products Company, Inc. (See Spaldo, Louis C., assignor.)
Weatherhead, Albert J., Jr., assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,000,680; May 7.
Weatherhead Company, The. (See Weatherhead, Albert J., Jr., assignor.)
Weber, Jay L., Tulsa, Okla. Train automatic air connecter. 2,000,720; May 7.
Weeks, Francis H., New York, N. Y. Stevedoring apparatus. 2,000,054; May 7.
Wehren, Ernst, Bern, Switzerland. Coin freed substation for automatic telephone systems. 2,000,804; May 7.
Weidenhoff, Joseph. (See Neal, Leon P., assignor.)
Weikel, Henry C., Jr., assignor to The United States Printing and Lithograph Co., Baltimore, Md. Testing apparatus. 2,000,502; May 7.
Weinlich, Hermann A., and U. Kölm, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card verifier. 2,000,203; May 7.
Weis, Paul B., assignor to S. E. Miller, Aurora, Ill. Keyless lock mechanism. 2,000,111; May 7.
Weinbaum, Joseph M., et al. (See Livingston, Maurice H., assignor.)
Weller, George H., Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass. Display case. 2,000,681; May 7.
Wentorf, Robert H., assignor to West Bend Aluminum Company, West Bend, Wis. One cup coffee maker. 2,000,309; May 7.
West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
West, Donald H., Marlboro, and K. C. Monroe, Hudson, Mass., assignors to The La Pointe Machine Tool Company, Hudson, Mass. Machine tool and hydraulic actuating mechanism therefor. 2,000,805; May 7.
Western Electrical Instrument Corporation. (See Lederer, Karl M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Andrew, Victor J., assignor.)
Western Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Burr, G. A., and Arnold, assignors.)
Westinghouse Electric and Manufacturing Company. (See Freeman, H. M., and Wade, assignors.)
Westinghouse Electric & Manufacturing Company. (See Griscom, S. B., and Nycum, assignors.)
Westinghouse Electric and Manufacturing Company. (See Dovjikov, A. D., Fortescue, and Wagner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Guhl, Henry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harding, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, William A., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNulty, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mercereau, J. T., and Maslin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Slepian, J., Tanberg, and Krause, assignors.)
Westinghouse Electric & Manufacturing Company. (See Taugher, Frank P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, Norman H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Young, Douglass A., assignor.)
Westinghouse Elevator Company. (See Keiper, Phillip C., assignor.)
Weston Electrical Instrument Corporation. (See Lamp, Anthony H., assignor.)
Wheeler, Frank K. B. (See Wheeler, Walter H., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Superheterodyne radioreceiver. 2,000,113; May 7.
Wheeler Paper Corporation. (See Peters, William H., assignor.)
Wheeler, Walter H., assignor to F. K. B. Wheeler, Minneapolis, Minn. Frame for concrete columns. 2,000,543; May 7.
Wheller, Harry S., Elizabeth, N. J. Heater. 2,000,112; May 7.
Whipple, Willis A., Chicago, Ill. Vibratory current interrupter. 2,000,204; May 7.
White, Edward J., and A. S. Garove, Detroit, Mich. Pickup and delivery system. 2,000,154; May 7.
White, Henry G., and F. L. Porter, High Point, N. C. Mirror making. 2,000,310; May 7.
White, John W., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Apparatus for forming brake drums. 2,000,155; May 7.
White, Lewis E., assignor to H. L. Worthington, San Francisco, Calif. Electric steaming apparatus. 2,000,628; May 7.
White, Louis A. (See Murray, J. J., and White.)
White, Raymond E., Seattle, Wash. Diesel engine. 2,000,267; May 7.
White, Richard M., East Cleveland, assignor to Macoustic Engineering Company, Cleveland, Ohio. Method of and apparatus for sound modification. 2,000,806; May 7.
White, Tom C., Billings, Mont. Vehicle jack. 2,000,503; May 7.
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitson, Thomas B., et al. (See Kelfaber, E. W., Doerr, Whitson, and Creagmile.)
Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Fluid actuator. 2,000,629; May 7.

Wickstrum, Cecil M., Omaha, Nebr. Tent construction. 2,000,205; May 7.
Wig, Rudolph J., assignor to Kelco Company, Los Angeles, Calif. Readily water soluble dry alginate. 2,000,807; May 7.
Wilbur, Ralph H. (See Lane, John D., assignor.)
Wiley, Samuel, Metuchen, N. J. Flare container. 2,000,058; May 7.
Wilkinson, Francis C. W., Burnham, assignor of one-half to Crane Packing Limited, Slough, England, and one-half to Crane Packing Company, Chicago, Ill. Heat exchange apparatus. 2,000,653; May 7.
Willby, Norman H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,000,727; May 7.
Willby, Norman H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,000,728; May 7.
Williams, Frank B. and H. E., Carthage, Mo. Upholstering for metal spring constructions. 2,000,114; May 7.
Williams, Frederick V., Olathe, Kans. Toy. 2,000,808; May 7.
Williams, Harold E. (See Williams, F. B. and H. E.)
Williams, Louis N. D., Ogonts, Pa., assignor to Scotland Williams, Incorporated, New York, N. Y. Transfer mechanism for circular knitting machines. 2,000,429; May 7.
Williams, Sion H., Hornbeak, Tenn. Bow facing oar. 2,000,630; May 7.
Williamson, Colonel J., and H. F. Suverkrup, San Bernardino, Calif. Automatic valve control system. 2,000,367; May 7.
Willshaw, Harry, Sutton Coldfield, and T. Norcross, and F. G. Broadbent, Erdington, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for molding and vulcanizing pneumatic tire covers and the like. 2,000,430; May 7.
Wilson, Andrew V. (See Jackson, R. A. F., and Wilson.)
Wilson-Jones Company. (See Dawson, G. H., and Unger, assignors.)
Wilson Locknut Company. (See Wilson, Wylie G., assignor.)
Wilson, Norval F. (See McBrien, R. W., and Wilson.)
Wilson, Wylie G., Elizabeth, assignor to Wilson Locknut Company, Jersey City, N. J. Method and apparatus for compressing and indenting. 2,000,056; May 7.
Winchell, Thomas E., West Newton, Mass., assignor to Northern Maine Plywood Company, Portland, Maine. Barrel. 2,000,544; May 7.
Windecker, Charles E., Painesville, Ohio. Car. 2,000,631; May 7.
Winning, William F., and C. Keyser, Braddock, Pa. Target. 2,000,368; May 7.
Wintermuth, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical treatment of fluids. 2,000,654; May 7.
Winthrop Chemical Company. (See Streitwolf, K., Fehrle and Hilmer, assignors.)
Wired Radio, Inc. (See Hentschel, Ernest R., assignor.)
Wired Radio, Inc. (See Terman, Frederick E., assignor.)
Wismer, Charles E. (See Arnold, Philip S., assignor.)
Witham, George S., Jr., Lincoln, N. H. Hydration of pulp. 2,000,268; May 7.
Wolarsky, Isidore, Mount Vernon, N. Y. Fixture hanger. 2,000,545; May 7.
Wolfert, Edward R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical control system. 2,000,729; May 7.
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Adjustable lens mount. 2,000,811; May 7.
Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
Wood, Fred E., Glen Ellyn, Ill. Gas-time meter. 2,000,655; May 7.
Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Coin scale. 2,000,156; May 7.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Roll handling mechanism. 2,000,809; May 7.
Wood, Henry A. W., New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Preparing electrotype plates. 2,000,810; May 7.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Robert T., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,000,115; May 7.
Wood, Sydney M., Lake Bluff, Ill. Jetty. 2,000,312; May 7.
Wood, Sydney M., Lake Bluff, Ill., and H. A. Schmitt, Milwaukee, Wis. Jetty. 2,000,311; May 7.
Wood Preserving Corporation, The. (See Shipley, Grant B., assignor.)
Woodsome, John O., Detroit, Mich. Paper drying process and apparatus. 2,000,546; May 7.
Woodward, Arthur H., Winnetka, Ill. Sleeping car. 2,000,547; May 7.
Woodward, Arthur H., Winnetka, Ill. Sleeping car. 2,000,548; May 7.
Woodward, Arthur H., Winnetka, Ill. Sleeping car. 2,000,549; May 7.
Woodward, Arthur H., Winnetka, Ill. Sleeping car. 2,000,550; May 7.
Woodward, Arthur H., Winnetka, Ill. Sleeping car. 2,000,551; May 7.
Worthington, Harry L. (See White, Lewis E., assignor.)
Wortmann, Edward F., Jersey City, N. J. Automatic freezing and dispensing apparatus. 2,000,730; May 7.
Wright, Sumner B., South Orange, N. J., assignor to American Telephone and Telegraph Company. Transmission regulation. 2,000,116; May 7.
Wright, Theodore P. (See Osborn, R. R., and Wright.)
Yerington, Orville R. (See Evans, J. McG., and Yerington.)
Yerk, Henry H. (See Bettendorf, W. E., and Yerk.)
Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter. 2,000,731; May 7.
Young, Leonard A. (See Oldham, John M., assignor.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Youngstown Steel Door Company, The. (See McWilliams, J. P., and Ditchfield, assignors.)
Yozewitch, Joseph, Brooklyn, N. Y. Combination sink plug and vacuum cup. 2,000,206; May 7.
Zaikowsky, Wladimir M., Pasadena, Calif. Stop-cock. 2,000,552; May 7.
Ziegelmeyer, John S. (See Zingre, Charles, assignor.)
Zeiss, Carl. (See Bauersfeld, Walther, assignor.)
Zeiss, Carl. (See Lincke, Rudolf, assignor.)
Zeiss, Carl H., Winnetka, Ill. Game. 2,000,369; May 7.
Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Threaded connection. 2,000,732; May 7.
Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display and package. 2,000,870; May 7.
Zingre, Charles, Webster Groves, assignor to John S. Ziegelmeyer, St. Louis, Mo. Support for drooping plants. 2,000,632; May 7.
Zitscher, Arthur, Offenbach-on-the-Main, and W. Lambers, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo-dyestuffs and fiber dyed therewith. 2,000,313; May 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Attachment for doughnut cutting and cooking machines. J. Baumann. 19,557; May 7.
Boiler feed control. O. F. Carlson. 19,558; May 7.
Counterbalance for well pumps. A. L. Skinner. 19,565; May 7.
Electrical heating elements, Forming. E. L. Wiegand. 19,567; May 7.
Electroprocessing machine. A. H. Hannon. 19,560; May 7.
Fishing reel. C. A. Godshalk, F. Henke, and D. Behrsing. 19,559; May 7.
Masks for fowls. J. Jones. 19,562; May 7.
Pressing machine. E. V. McTague. 19,563; May 7.
Thermopile. J. F. Quereau. 19,564; May 7.
Transmission, Picture. C. F. Jenkins. 19,561; May 7.
Water heating and infusion apparatus. A. Vulls. 19,566; May 7.

LIST OF DESIGN INVENTIONS

Applicator, Massage. A. Kretschan. 95,516; May 7.
Automobile. H. J. Earl. 95,495–6; May 7.
Bag or the like, Hand. B. Blacher. 95,483; May 7.
Base or similar article, Lamp. H. M. Laxer. 95,522–5; May 7.
Belt for personal wear. M. Sachs. 95,549; May 7.
Beverage mixer. J. M. Vogel. 95,559; May 7.
Boat. F. J. Piccola. 95,541; May 7.
Bottle. W. Guyer. 95,506; May 7.
Bottle. G. C. Robinson. 95,547; May 7.
Bottle. J. S. Steelman. 95,553–6; May 7.
Box cover. M. H. Connor. 95,487; May 7.
Buckle slide. S. J. Lesnik. 95,526; May 7.
Cabinet, Display. F. B. Keuthan. 95,513; May 7.
Cabinet, Ironing machine. H. A. Sperlich and J. H. Uhlig. 95,552; May 7.
Car body, Touring. J. O. Heinze. 95,507; May 7.
Centerpiece, Table. N. B. Geddes. 95,482; May 7.
Check writer. J. P. Hunter. 95,509; May 7.
Clothespin or similar article. E. Reynolds. 95,545; May 7.
Coil, Heating. V. W. Moray. 95,533; May 7.
Confection, Frozen. H. W. Hahn. 95,570; May 7.
Corselette. J. F. Greig. 95,502; May 7.
Doll or similar article, Character. E. J. Rogers. 95,548; May 7.
Door handle. G. D. Lindstrom and E. North. 95,529; May 7.
Dress. P. Helt. 95,508; May 7.
Dress. S. Zahn. 95,563–6; May 7.
Dress, Ensemble. J. Kirschner. 95,514; May 7.
Garment or similar article, Sleeping. L. Davis. 95,488; May 7.
Glass, Wine. J. G. Green. 95,501; May 7.
Hand-covering, Knitted. A. J. Friedlander. 95,498; May 7.
Lace. W. R. Adaire. 95,478; May 7.
Lace. W. R. Adaire. 95,478; May 7.
Lace. E. Alper. 95,479; May 7.
Lace. F. Mackintosh. 95,530; May 7.
Lace. W. Priestley. 95,543; May 7.
Lace. J. A. Sutton. 95,558; May 7.
Lamp and clock case, Combined. C. L. Connally. 95,486; May 7.
Lamp bracket. H. E. De Vries. 95,490; May 7.
Oil burning apparatus or similar article. J. G. Gilmore and H. B. Donley. 95,500; May 7.
Pedestal lamp. J. Kollwitz. 95,515; May 7.
Picture projecting machine base. B. Stachbart. 95,553–4; May 7.
Plate or similar article. H. Rumpfel. 95,544; May 7.
Pocket receptacle, Flexible. W. R. Buxton. 95,485; May 7.
Sandal. D. Gilbert. 95,499; May 7.
Scale casing. A. Bousfield. 95,484; May 7.
Shade, Lamp. H. M. Laxer. 95,518–21; May 7.
Shoe. T. R. Atkins. 95,480–1; May 7.
Shoe. E. C. Doring. 95,491–4; May 7.
Shoe. J. Fishman. 95,497; May 7.
Shoe. M. Kalmon. 95,510; May 7.
Shoe. N. K. Kean. 95,511–12; May 7.
Shoe. D. Levin. 95,527; May 7.
Shoe. H. Lieber. 95,528; May 7.
Shoe. C. Morall. 95,532; May 7.
Shoe. H. W. Nieman. 95,534–9; May 7.
Shoe. A. Perugia. 95,540; May 7.
Shoe. F. B. Polley. 95,542; May 7.
Shoe. H. E. Williams. 95,560–1; May 7.
Shoe. B. Zegorav. 95,567–8; May 7.
Shoe. E. Zinitl. 95,569; May 7.
Smoking stand. E. Schultz. 95,550–1; May 7.
Storage battery case. O. O. Rieser. 95,546; May 7.
Target. L. G. La Borie. 95,517; May 7.
Textile fabric or similar article. J. J. Malbach. 95,531; May 7.
Textile fabric or similar article of manufacture. G. Deist. 95,489; May 7.
Vase. L. Guild. 95,503–5; May 7.
Vehicle, Child's wheeled. J. H. Stevenson. 95,557; May 7.
Water heater, Instantaneous. A. Youngholm. 95,562; May 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and making the same. Aluminum oxide. J. S. Masin. 2,000,857; May 7.
Abrasive stone holder. M. N. Prange. 2,000,611; May 7.
Accounting machine. E. L. Kirkegaard. 2,000,233; May 7.
Acetals, Production of. W. Reppe and K. Baur. 2,000,252; May 7.
Acetic acid. E. C. Britton, H. S. Nutting, and M. E. Huscher. 2,000,878; May 7.
Acid: *See*—
Acetic acid.
Acid and silicon alloys, Simultaneously producing phosphoric. M. J. Udy. 2,000,627; May 7.
Acid, Manufacture of hydrocyanic. C. R. Harris. 2,000,134; May 7.
Acid, Production of carboxylic. W. E. Vail. 2,000,053; May 7.
Acids and phenols, Separation and recovery of naphthenic. D. R. Merrill and A. L. Blount. 2,000,244; May 7.
Acids, Manufacture of alkoxyacetaldehydes and alkoxyacetic. C. J. Malm, G. F. Nadeau, and N. F. Diesel. 2,000,604; May 7.
Acids, Manufacture of hydroxy carboxylic. G. Brann. 2,000,213; May 7.
Acids, Preparing dihydroxy benzenearsonic. K. Streitwolf, A. Fehrle, and H. Hilmer. 2,000,361; May 7.
Acoustic device. J. R. Erickson. 2,000,165; May 7.
Active ray treating device. H. M. Creighton. 2,000,377; May 7.
Adhesive material. P. L. O'Donnell. 2,00,475; May 7.
Adjustable gauge. O. M. Miller. 2,000,783; May 7.
Adzing and boring machine. G. B. Shipley. 2,000,458; May 7.
Aeronautical machine. J. A. Domenjos. 2,000,068; May 7.
Air, Apparatus for conditioning. W. H. Herdlein. 2,000,841; May 7.
Air cleaner. W. W. Lowther. 2,000,706; May 7.
Air, Cooling and conditioning. A. W. Clarke and W. F. Dietrichson. 2,00,821; May 7.
Aircraft. R. R. Osborn and T. P. Wright. 2,000,666; May 7.
Air distribution unit. R. E. Keyes. 2,000,597; May 7.
Air mixing device for gaseous fuel. J. A. Hempstead. 2,000,454; May 7.
Alginate, Readily water soluble dry. R. J. Wig. 2,000,807; May 7.
Alkali metal alcoholates, Preparing. P. Heisel and E. Berghelmer. 2,000,829; May 7.
Alloy. R. T. Wood. 2,000,115; May 7.
Ammonium sulphate, Apparatus for the production of. A. Schmalenbach. 2,000,038; May 7.
Amplifier control, Push-pull. W. S. Barden. 2,000,433; May 7.
Amusement and exercising device. A. Pitre. 2,000,250; May 7.
Animal trap. H. R. Graybill. 2,000,752; May 7.
Ant trap. C. O. and O. C. Rudd. 2,000,647; May 7.
Antioxidant. A. W. Sloan. 2,000,044–5; May 7.
Apparatus for securing registration position of an article. H. C. Jones. 2,000,520; May 7.
Aquarium, Combination. A. W. Krieger. 2,000,451; May 7.
Arc lamp projector, J. Kiefer. 2,000,760; May 7.
Arc welding generator. W. R. Harding. 2,000,699; May 7.
Arrow release device for bows in archery, Safety. G. Flury. 2,000,015; May 7.
Asbestos product, Felted. W. D. Pardoe. 2,000,416; May 7.
Ash receiver. R. F. De Boer. 2,000,275; May 7.
Automobile. W. B. Stout. 2,000,360; May 7.
Automobiles, Electrical device for. J. H. Cohen. 2,000,743; May 7.
Axle, Roller bearing. A. H. Oelkers. 2,000,534; May 7.
Axles, Mechanism for operating upon automobile. R. D. Smith. 2,000,572; May 7.
Azeotropic drying of mixtures of water and alcohols or ketones. W. H. Shiffler and R. C. Mithoff. 2,000,043; May 7.
Azo-dyestuffs and fiber dyed therewith, Water-insoluble. A. Bittcher and W. Lambers. 2,000,313; May 7.
Bag: *See*—
Golf bag.
Bag. W. K. Miller. 2,000,345; May 7.
Bags, Drying burlap. L. T. Bromfield. 2,000,506; May 7.
Bailer. F. G. Gates. 2,000,750; May 7.
Band. J. D. Lane. 2,000,763; May 7.
Band transmission system, Wide. L. Espenschied and E. I. Green. 2,000,130; May 7.
Bank, Coin control register. J. Farber. 2,000,323; May 7.
Barometric feed devices, Charging. R. M. Sherman. 2,000,354; May 7.

Barrel. T. R. Winchell. 2,000,544; May 7.
Barrel staves, Manufacture of. E. W. Hutchings. 2,000,391; May 7.
Bathtub and shower control valve. V. E. Schmiedeknecht. 2,000,791; May 7.
Batter product, Multiuse. A. H. Fiske, B. W. Colby, and G. B. Lewis. 2,000,888; May 7.
Battery clip. L. P. Neal. 2,000,665; May 7.
Battery posts, Sealing. H. D. Stanley. 2,000,199; May 7.
Battery reconditioning apparatus. A. E. Oswald. 2,000,571; May 7.
Bearing: *See*—
Lubricated bearing.
Bearing and guard therefor. T. C. Delaval-Crow. 2,000,276; May 7.
Bearing protection device. O. C. Gruender. 2,000,385; May 7.
Belt connecter. E. H. Kremer. 2,000,598; May 7.
Beverage dispensing apparatus. W. E. Doughty. 2,000,583; May 7.
Binder for loose leaves, Permanent. W. H. Smith. 2,000,357; May 7.
Binder, Loose leaf. S. G. Johnson. 2,000,081; May 7.
Binder, Loose leaf. S. G. Johnson. 2,000,844; May 7.
Binder, Loose leaf. A. G. Lotter. 2,000,184; May 7.
Bit: *See*—
Roller bit.
Blower, more particularly for use in vacuum cleaners. E. Gorissen. 2,000,480; May 7.
Board: *See*—
Summary board.
Bobbin conveyer for winding machines. J. O. McKean. 2,000,774; May 7.
Bobbin, Spinning. E. Beck. 2,000,372; May 7.
Body of a tilted chassis, Device to level. W. H. Heise. 2,000,229; May 7.
Boil-off or dyeing apparatus. A. E. Demol. 2,000,745; May 7.
Book holder and line finder. P. A. Jones. 2,000,485; May 7.
Boot-trees by tip casting, Apparatus for producing hollow. E. Kistinger. 2,000,449; May 7.
Bore cutting machine. P. H. Hutchinson. 2,000,288; May 7.
Bottle and closure therefor. S. C. Miller. 2,000,407; May 7.
Bottle closure. C. G. Carlberg. 2,000,742; May 7.
Bottle, Nonrefillable. F. K. Anderson. 2,000,814; May 7.
Bow. C. B. Fisher. 2,000,832; May 7.
Bowl, Self-draining centrifugal. G. J. Streszynski. 2,000,459; May 7.
Box: *See*—
Outlet box.
Box and cable clamp, Outlet. J. Knell. 2,000,850; May 7.
Box machine. C. H. Nitsch. 2,000,712; May 7.
Bracket: *See*—
Ladder bracket.
Bracket arrangement for shelves or the like. R. E. Carlson. 2,000,124; May 7.
Brake: *See*—
Hand brake.
Brake drums, Apparatus for forming. J. W. White. 2,000,155; May 7.
Brake mechanism, Hand. F. D. Miller and E. C. Mersereau. 2,000,089; May 7.
Brake shoe expander. F. V. Clancy. 2,000,011; May 7.
Brake testing device. E. M. Kramer. 2,000,289; May 7.
Bread, Baking. C. C. Frants. 2,000,384; May 7.
Bread slicing machine. W. E. Bettendorf and H. H. Yerk. 2,000,816; May 7.
Brick facing support. S. Sarar. 2,000,616; May 7.
Bucket for machines for digging caissons and the like, Auger. E. H. Siebel. 2,000,195; May 7.
Building structure. L. B. Scheide. 2,000,530; May 7.
Burner: *See*—
Oil burner.
Burner installation for domestic boilers. E. T. Avery. 2,000,733; May 7.
Cabin construction. R. A. Hollingsworth and B. H. Moe. 2,000,638; May 7.
Cabinet. F. J. Matchette. 2,000,401–2; May 7.
Cabinet for press make-ready, Mark-out. H. S. Ransom. 2,000,537; May 7.
Cable, Deep-sea electric telephone. E. Sichtermann. 2,000,355; May 7.
Calendar, Dual century. E. L. Turnbaugh. 2,000,365; May 7.
Camera construction. C. C. Fuerst. 2,000,588; May 7.
Camera focusing mechanism. G. A. Mitchell. 2,000,090; May 7.

Camera, Motion picture. H. R. Schenck, Jr. 2,000,895; May 7.
Can: *See*—
Safety oil can.
Cannon, Gas. E. S. Peake. 2,000,607; May 7.
Capsule making machine. F. F. Klett. 2,000,234; May 7.
Car. C. E. Windecker. 2,000,631; May 7.
Car construction, Repair house. J. P. McWilliams and F. Ditchfield. 2,000,531; May 7.
Car, House. F. Ditchfield. 2,000,164; May 7.
Car, House. F. Ditchfield. 2,000,320; May 7.
Car, Sleeping. A. H. Woodward. 2,000,547–51; May 7.
Car, Tank. C. C. C. Burkhardt. 2,000,819; May 7.
Card clothing resetting machine. E. S. Flynn. 2,000,071; May 7.
Card feeding and handling device. C. D. Lake. 2,000,230; May 7.
Card roller mounting machine. E. S. Flynn. 2,000,070; May 7.
Card verifier. H. A. Weinlich and U. Kölm. 2,000,203; May 7.
Cards, Analyzing record. M. Maul. 2,000,403; May 7.
Cards, Playing. R. E. Adams. 2,000,812; May 7.
Carpenter's tool. J. R. McGlauflin. 2,000,773; May 7.
Carrier: *See*—
Pneumatic dispatch carrier.
Carton. J. L. Bayless. 2,000,210; May 7.
Carton, Egg. L. Benoit. 2,000,738; May 7.
Case: *See*—
Display case. Slide rule case.
Shipping case.
Cash register. B. M. Shipley. 2,000,101; May 7.
Casing: *See*—
Sausage casing.
Catch, Hood. R. G. Moore. 2,000,245; May 7.
Cellulose acetate composition comprising a tertiary alcohol. E. R. Taylor. 2,000,622; May 7.
Cellulose esters, Hydrolysis of. C. J. Staud and L. M. Minsk. 2,000,620; May 7.
Cellulose esters, Precipitation of. C. J. Malm and C. R. Fordyce. 2,000,601; May 7.
Cellulose, Fibrous esterification of. C. J. Malm and C. L. Fletcher. 2,000,602; May 7.
Cellulosic material prior to esterification, Treatment of. C. J. Malm and C. R. Fordyce. 2,000,603; May 7.
Cellulosic material, Propionation of. C. J. Staud and R. H. Van Dyke. 2,000,621; May 7.
Cement plaster. F. Bauer. 2,000,371; May 7.
Centrifugal compressor. R. G. Standerwick. 2,000,721; May 7.
Centrifugal treatment of substances and mechanism therefor. L. D. Jones. 2,000,521; May 7.
Ceramic structures, Apparatus for molding. W. Taylor. 2,000,623; May 7.
Chair: *See*—
Folding push-chair.
Chair. H. G. Traver. 2,000,624; May 7.
Chair bed. F. E. Moore. 2,000,471; May 7.
Channel assembly, Nonperforated. B. C. Place. 2,000,147; May 7.
Chart, Recorder. G. B. Lindermann, Jr. 2,000,527; May 7.
Chassis checking gauge. R. D. Smith. 2,000,866; May 7.
Checks, Apparatus for writing. R. G. Thompson. 2,000,201; May 7.
Chemicals, Disabling and incapacitating gas generating. B. C. Goss. 2,000,131; May 7.
Chronological instrument. H. E. Schulse. 2,000,457; May 7.
Cigarette making apparatus. W. D. Starrett. 2,000,423; May 7.
Circuit, Alarm. R. W. McBrien and N. F. Wilson. 2,000,185; May 7.
Circuit interrupter, Electric. G. A. Healls. 2,000,442; May 7.
Circuits, Adjusting effective incremental permeability of magnetic. N. Deisch. 2,000,378; May 7.
Circular knitting machine. H. Swinglehurst, Jr. 2,000,798; May 7.
Clamp and insulator, Hot line. D. E. Snyder. 2,000,652; May 7.
Clasp, Lingerie. M. B. Desrosiers. 2,000,127; May 7.
Clay and product formed therefrom, Method of indurating. M. H. Kilefoth. 2,000,338; May 7.
Clay in treating tower systems, Continuously using. R. K. Stratford and C. Leaver. 2,000,672; May 7.
Cleaner: *See*—
Air cleaner.
Clip: *See*—
Battery clip.
Clock. J. W. Hansen. 2,000,327; May 7.
Clock, Alternating current. W. J. Van Osdel. 2,000,307; May 7.
Clock, Electric. F. Loeffler. 2,000,600; May 7.
Clock, Electromagnetic impulse. J. Fink. 2,000,585; May 7.
Closure. F. E. Sweeney. 2,000,795; May 7.
Closure for fruit jars and the like. R. S. Fetter. 2,000,831; May 7.
Closure operating mechanism. C. C. and M. M. Cook. 2,000,479; May 7.
Clutch. M. L. Norris. 2,000,713; May 7.
Clutch control mechanism, Motor vehicle. E. G. Hill. 2,000,331; May 7.
Coal bagging machine. B. W. Kellett. 2,000,848; May 7.
Coating of paper. J. D. Murray. 2,000,847; May 7.
Coffee maker, One cup. R. H. Wentorf. 2,000,309; May 7.
Coffee, Making cereal. A. Kloss. 2,000,450; May 7.
Coin freed substation for automatic telephone systems. E. Wehren. 2,000,804; May 7.
Coin selector. G. S. Brodd. 2,000,462; May 7.
Coin selector. G. M. D. Johns. 2,000,519; May 7.
Collapsible container. G. Di Mauro. 2,000,067; May 7.
Colored compounds and the product thereof, Manufacture of. J. F. Thorpe and B. P. Linstead. 2,000,052; May 7.
Combustion control. L. V. Andrews and C. M. Terry. 2,000,270; May 7.
Communication system. W. S. Lemon. 2,000,765; May 7.
Communication system. W. S. Lemmon and C. J. Fitch. 2,000,764; May 7.
Commutator, High speed. G. W. Penney. 2,000,715; May 7.
Composite article and making the same. H. R. Fife. 2,000,383; May 7.
Composition for killing insects and fungi. P. Janke. 2,000,843; May 7.
Composition for storage battery containers. E. R. Dillehay and O. G. Rieser. 2,000,582; May 7.
Composition of matter and producing porous matter. W. E. Broeg. 2,000,160; May 7.
Composition of matter, etc. L. H. Larson. 2,000,031; May 7.
Compressing and indenting, Method and apparatus for. W. G. Wilson. 2,000,056; May 7.
Compressor discharge valve. L. L. Collins. 2,000,691; May 7.
Computing device consisting of a mathematical curve. O. B. Lane. 2,000,526; May 7.
Concrete, Curing. A. A. Johnson. 2,000,759; May 7.
Condenser: *See*—
Differential condenser. Variable mica condenser.
Electrical condenser.
Conductor, Electrical. A. C. Walker. 2,000,428; May 7.
Conductor, Insulated electric. E. C. Pitman. 2,000,095; May 7.
Confection and making same. G. E. Lathrop. 2,000,342; May 7.
Connecter: *See*—
Belt connecter. Train pipe connecter.
Cord connecter. Tube connecter.
Detachable connecter.
Train automatic air connecter.
Confections, Making. G. M. Teague. 2,000,676; May 7.
Connection for web reeling apparatus, Flexible drive. P. J. Berggren. 2,000,436; May 7.
Connection, Insulated electrical. J. V. Polk. 2,000,716; May 7.
Connection, Threaded. E. J. Zelt. 2,000,732; May 7.
Container: *See*—
Collapsible container. Metallic container.
Flare container. Progressive container.
Container. R. W. Manning. 2,000,242; May 7.
Container and dispenser, Toilet paper. W. H. Peters. 2,000,454; May 7.
Container closure means. S. J. Teller. 2,000,200; May 7.
Container for candy packages and the like. D. Black and J. Reid. 2,000,158; May 7.
Container for lip sticks and the like. A. Janer. 2,000,701; May 7.
Control, Automatic. A. E. Krogh. 2,000,235; May 7.
Control for radial drills, Duplex. L. L. Schauer, A. M. Sosa, and J. H. McKewen. 2,000,421; May 7.
Control system. V. J. Andrew. 2,000,685; May 7.
Control system. N. H. Willby. 2,000,728; May 7.
Controller apparatus. C. W. Bristol and P. A. Borden. 2,000,739; May 7.
Conveyer. H. R. Perry and C. S. Jennings. 2,000,417; May 7.
Conveyer. R. J. Roland. 2,000,499; May 7.
Cooling and ventilating system. E. F. Carry. 2,000,477; May 7.
Cooling, freezing, and heating apparatus. T. Lindseth. 2,000,467; May 7.
Cord connecter. J. H. Cannon. 2,000,318; May 7.
Core catcher. J. H. Howard. 2,000,389; May 7.
Corn, Canning. H. R. Lewis. 2,000,892; May 7.
Coupler mechanism. A. J. Bazeley. 2,000,435; May 7.
Coupling: *See*—
Elastic coupling. Hose coupling.
Cover: *See*—
Toilet seat cover.
Cover attachment for first aid kits. J. L. Peavey. 2,000,495; May 7.
Cover for garments, Protective. N. I. Fleischer. 2,000,324; May 7.
Cover for spare tires of automobiles. G. A. Lyon. 2,000,290; May 7.
Covering for surfaces exposed to the weather. G. Knapp. 2,000,030; May 7.
Crane hoist control. F. P. Taugher. 2,000,724; May 7.
Cross, Ornamental. R. F. Brennan. 2,000,060; May 7.
Cup: *See*—
Drinking cup.
Curler. R. M. McFadden. 2,000,894; May 7.
Curling device. R. M. McFadden. 2,000,893; May 7.

Current interrupter, Vibratory. W. A. Whipple. 2,000,304; May 7.
Curtain protector. A. Jueleon. 2,000,846; May 7.
Cutter: *See*—
Recessing cutter. Roll paper cutter.
Cylinder head for gas engines, Hooded. R. S. Moore. 2,000,348; May 7.
Cylinder, Master. W. F. Oliver. 2,000,187; May 7.
Dandelion puller. F. J. Casey. 2,000,219; May 7.
Deflecting device. J. R. Thorp. 2,000,107; May 7.
Dental casting machine. C. S. Van Horn. 2,000,801; May 7.
Detachable connecter. M. Holmer. 2,000,757; May 7.
Device for dispensing gummed tape, Portable. A. C. Hummel. 2,000,287; May 7.
Diaryl sulphates, Manufacture of. J. I. Carr. 2,000,061; May 7.
Die casting machine. T. C. Koramo. 2,000,488; May 7.
Diesel engine. R. B. White. 2,000,267; May 7.
Differential condenser. B. van der Pol and R. Veldhuysen. 2,000,678; May 7.
Differential, Self-locking. L. Du Pras. 2,000,223; May 7.
Dispenser: *See*—
Liquid dispenser.
Dispenser. C. Barbieri. 2,000,008; May 7.
Dispenser for roller materials. L. C. Spaldo. 2,000,867; May 7.
Dispensing device. J. Schaub. 2,000,864; May 7.
Display case. G. H. Weller. 2,000,681; May 7.
Display fixture for suckers and other merchandise, Merchandising. E. W. Stein. 2,000,250; May 7.
Distillation process, Continuous pressure. O. C. Brewster, M. G. Paulus, and A. B. Thompson. 1,900,687; May 7.
Doll house, Collapsible two-room. C. A. Schultz. 2,000,618; May 7.
Door controller. A. J. Bayley. 2,000,574; May 7.
Door for fire alarm boxes and the like. P. P. Hornl. 2,000,517; May 7.
Door mounting and operating mechanism. J. F. O'Connor. 2,000,474; May 7.
Door operating device. L. H. Gross. 2,000,515; May 7.
Door-stay. J. Riebe. 2,000,191; May 7.
Draft rigging. N. B. Akitt. 2,000,682; May 7.
Draft rigging. N. B. Akitt. 2,000,683; May 7.
Drink vending machine, Automatic. T. Brady. 2,000,556; May 7.
Drinking cup, Paper. W. E. Swift and F. P. Swallow. 2,000,196; May 7.
Drive for fuel pumps for combustion power engines. H. Becker. 2,000,555; May 7.
Drive, Vehicle. F. R. Higley. 2,000,465; May 7.
Dry cell. P. Corigliano. 2,000,510; May 7.
Dust extraction apparatus. E. Collin and F. F. Ruau. 2,000,662; May 7.
Dye swab and comb combination. L. B. Rever. 2,000,790; May 7.
Dyes and their production, Direct developed azo. E. F. Grether and G. H. Coleman. 2,000,889; May 7.
Dyes, Manufacture of thioindigo. H. A. Lubs and J. E. Cole. 2,000,033; May 7.
Dyestuff, Azo. J. Haller. 2,000,133; May 7.
Dyestuffs of the anthraquinone series, Vat. H. Neresheimer, W. Ruppel, and A. Vilsmeier. 2,000,348; May 7.
Edger and weeder, Lawn. J. Apfel, G. Ling, and R. S. Jarrett. 2,000,460; May 7.
Egg package. H. M. Hitchins. 2,000,264; May 7.
Egg separator. J. A. Mussio. 2,000,472; May 7.
Elastic coupling. D. A. Carpenter. 2,000,217; May 7.
Electric furnace. J. Ferguson. 2,000,278; May 7.
Electric heater. R. A. F. Jackson and A. V. Wilson. 2,000,940; May 7.
Electric heating. J. G. Dougherty. 2,000,438; May 7.
Electric safety switch. C. D. Hepler. 2,000,231; May 7.
Electric switch. A. A. Johnson. 2,000,447; May 7.
Electric switch. F. W. Side. 2,000,422; May 7.
Electric system and control for motor vehicles and other purposes. A. H. Neuland. 2,000,786; May 7.
Electric system, Supervised. H. C. Grant, Jr. 2,000,074; May 7.
Electrical condenser. W. Colvin, Jr. 2,000,437; May 7.
Electrical control system. E. R. Wolfert. 2,000,729; May 7.
Electrical heater. W. R. Davies. 2,000,826; May 7.
Electrical illuminating device. F. F. Manor. 2,000,491; May 7.
Electrical precipitation. B. Heinrich and W. Feldmann. 2,000,019; May 7.
Electrical precipitation of suspended particles from gases. B. Heinrich. 2,000,020; May 7.
Electrical testing, Apparatus for. R. O. Hurd and T. E. Hodgkinson. 2,000,595; May 7.
Electrical treatment of fluids. [illegible] A. Wintermute. 2,000,554; May 7.
Electro-chemical reactions, Carrying out. E. Berl. 2,000,515; May 7.
Electrode. F. J. Pease. 2,000,668; May 7.
Electrode, Coated welding. W. B. Miller. 2,000,861; May 7.
Electrodes, Mounting. J. E. Clark. 2,000,163; May 7.
Electromagnetic over-speed projection. S. B. Griscom and H. C. Nycum. 2,000,753; May 7.
Electrosuspensive device. A. E. van C. Warrington. 2,000,803; May 7.
Electron discharge tube, Hot cathode. H. M. Freeman and W. G. Wade. 2,000,695; May 7.
Electron tube. F. E. Terman. 2,000,673; May 7.
Electrotype plates, Preparing. H. A. Wood. 2,000,810; May 7.
Elevator apparatus. W. L. Lademann. 2,000,704; May 7.
Elevator control system. P. C. Keiper. 2,000,703; May 7.
Emulsions by electrical action, Preparation of. R. Heinrich. 2,000,018; May 7.
Enamel and making same. J. J. Murray and L. A. White. 2,000,453; May 7.
Energy, Apparatus for transmitting. I. C. Harris and H. W. Doubrava. 2,000,173; May 7.
Engine: *See*—
Diesel engine. Internal combustion engine
Injection engine. Two-cycle gas engine.
Engine drive for self-propelled vehicles, Rear. P. E. Matthews. 2,000,709; May 7.
Envelope and making the same, Church collection. W. E. Swift, Jr. 2,000,797; May 7.
Excavator. H. Siebert. 2,000,150; May 7.
Exhaust manifold. C. W. Steward. 2,000,722; May 7.
Explosive composition. E. Neukirch. 2,000,414; May 7.
Exposure control apparatus. A. B. Fuller. 2,000,589; May 7.
Exposure in photographic apparatus, Apparatus for automatically determining the. O. Risadorfer. 2,000,037; May 7.
Fabric: *See*—
Run resistant fabric.
Fabric folding machine. F. J. Couch. 2,000,062; May 7.
Fabrics, Apparatus for treating. R. C. Benner, H. P. Kirchner, and R. L. Melton. 2,000,315; May 7.
Facsimile printing telegraph system and apparatus. E. F. Kleinschmidt. 2,000,083; May 7.
Fan, Electric. C. F. Haynes. 2,000,386; May 7.
Fastener: *See*—
Folded paper fastener. Separable fastener.
Fastener supplying mechanism. A. A. Lawson. 2,000,139; May 7.
Fence post. W. L. Hyde. 2,000,232; May 7.
Fender shield, Actuated. J. Anchor. 2,000,813; May 7.
Fibrous material for incorporation in fabrics, Apparatus for supplying. J. Morton. 2,000,643; May 7.
Filament, Artificial silk. J. A. Siegmaster. 2,000,671; May 7.
Filament support. J. McCullough. 2,000,567; May 7.
Film, Photographic. C. R. Fordyce. 2,000,587; May 7.
Filter: *See*—
Pressure filter. Slit filter.
Filter. F. J. Given. 2,000,441; May 7.
Filtering product and making the same. C. R. Minton. 2,000,777; May 7.
Finger ring. M. N. Harris. 2,000,228; May 7.
Firearms, Safety device for. W. R. Maxwell. 2,000,858; May 7.
Fires, Extinguishing oil well. P. J. Duffy. 2,000,381; May 7.
Fish lure. A. C. Accetta. 2,000,734; May 7.
Fishing rod handle. R. R. Teetor. 2,000,263; May 7.
Fitter, Tubular. W. Leathers. 2,000,854; May 7.
Fitting, Entrance. S. N. Buchanan. 2,000,874; May 7.
Fitting for tanks, Outlet. R. J. Neely. 2,000,246; May 7.
Fixture hanger. I. Wolarsky. 2,000,545; May 7.
Fixture-supporting and connecting device, Electric. J. Mangin. 2,000,241; May 7.
Flare container. S. Wiley. 2,000,055; May 7.
Floor slab construction. F. M. Vensie. 2,000,110; May 7.
Flour, Soy bean. W. B. Bishop. 2,000,817; May 7.
Fluid actuator. A. Wicha. 2,000,629; May 7.
Fluid jet pump. B. O. Buckland. 2,000,741; May 7.
Fluid jet pump. H. Kraft. 2,000,762; May 7.
Fluid pressure control apparatus. H. C. Wasson. 2,000,542; May 7.
Fluid-stop joint. E. D. Eby. 2,000,747; May 7.
Fluids, Electrical cleaning of. R. Heinrich and W. Feldmann. 2,000,017; May 7.
Flush valve. W. Putnam. 2,000,297; May 7.
Folder paper fastener. R. G. Bourdon. 2,000,059; May 7.
Folding display and package. H. Ziemmerman. 2,000,870; May 7.
Folding machine. F. J. Couch. 2,000,063; May 7.
Folding push-chair, Child's. M. L. Bernon. 2,000,875; May 7.
Food powder, Producing a. R. T. Northcutt and A. L. Johnston, Jr. 2,000,533; May 7.
Food products, Apparatus for preparing. T. M. Rector. 2,000,645; May 7.
Food products, Preparing. T. M. Rector. 2,000,646; May 7.
Foot measure and shoe size indicator. W. M. Scholl. 2,000,257; May 7.
Foot measuring and impression device. W. M. Scholl. 2,000,256; May 7.
Footwear. J. B. Greider. 2,000,326; May 7.
Formaldehyde, Manufacturing. E. A. Prudhomme. 2,000,096; May 7.
Formaldehyde solutions, Stabilization of. J. F. Walker. 2,000,152; May 7.
Frame: *See*—
Quilt and rug frame.
Frame for concrete columns. W. H. Wheeler. 2,000,543; May 7.

Freezer for refrigerators, Ice cream. C. T. Hoffman. 2,000,023; May 7.
Freezer, Ice cream. C. T. Hoffman. 2,000,022; May 7.
Freezer, Ice cream. C. T. Hoffman and E. L. Groff. 2,000,021; May 7.
Freezing and dispensing apparatus. E. F. Wortmann. 2,000,730; May 7.
Frequency control. C. Fichandler. 2,000,584; May 7.
Froth flotation process for oxide ores. J. M. Patek. 2,000,350; May 7.
Fuel in internal combustion engines, Pressure delivery of. A. Moore. 2,000,091; May 7.
Fuel, Motor. C. W. Hanaum. 2,000,288; May 7.
Fuel vaporiser, Gasoline engine. D. Y. Rickabaugh. 2,000,498; May 7.
Fuels, Combustion of liquid. E. H. Carruthers. 2,000,580; May 7.
Furnace: *See*—
Electric furnace. Multiple furnace.
Fuse device, Multiple. W. H. Frank, J. A. Messing and H. J. L. Frank. 2,000,016; May 7.
Fuse, Electric time. K. Schaffer-Glössl. 2,000,017; May 7.
Fuse switch. L. P. Boll and T. Birkenmaier. 2,000,876; May 7.
Game. C. H. Zeiss. 2,000,369; May 7.
Game and game apparatus. G. F. Cahill. 2,000,123; May 7.
Game apparatus. J. F. Meyer. 2,000,778; May 7.
Garment. S. J. Dichter. 2,000,633; May 7.
Garment. M. Reich. 2,000,149; May 7.
Garment and method of manufacture, Body. H. A. Goas. 2,000,073; May 7.
Gas analysis, Apparatus for. R. P. Brown and T. R. Harrison. 2,000,119; May 7.
Gas by a liquid, Apparatus for the treatment of a. I. Hechenbleikner. 2,000,443; May 7.
Gas-time meter. F. E. Wood. 2,000,655; May 7.
Gaseous mixtures containing hydrogen, Production of. O. Elsenhut. 2,000,224; May 7.
Gate: *See*—
Traveling chain gate.
Gauge: *See*—
Adjustable gauge. Kingpin angle gauge.
Chassis checking gauge. Tool setting gauge.
Gauge. F. W. Pelsch. 2,000,535; May 7.
Gauge control and means therefor, Automatic. P. S. Arnold. 2,000,057; May 7.
Gelatin, Compressed foam. S. E. Sheppard and J. H. Hudson. 2,000,042; May 7.
Generator: *See*—
Arc welding generator. Steam generator.
Gig, Automatic. M. M. Penn. 2,000,146; May 7.
Glass, Surfacing. B. Long. 2,000,240; May 7.
Glasses for eyes, Making contact. R. Lincke. 2,000,768; May 7.
Glider. W. R. McGowen. 2,000,859; May 7.
Glow lamp. H. C. Jones. 2,000,395; May 7.
Gluing machine. G. F. Ford and W. F. Pittman. 2,000,325; May 7.
Golf bag. H. Mobbs. 2,000,711; May 7.
Grate. J. F. O'Connor. 2,000,473; May 7.
Grille, Honeycomb directional. H. S. Covell and C. Lobman. 2,000,274; May 7.
Grinding machine. G. A. Carlson. 2,000,216; May 7.
Grinding machine. A. W. Foerster and C. Booth. 2,000,586; May 7.
Grinding machine. W. C. Osterholm. 2,000,667; May 7.
Grinding machine. E. G. Roehm. 2,000,614; May 7.
Grinding machinery. W. Peaslee and L. F. Nenninger. 2,000,608; May 7.
Grindstone. W. H. McGill. 2,000,772; May 7.
Grooving machine. R. A. Dunnam. 2,000,129; May 7.
Guard. N. H. Bradley. 2,000,212; May 7.
Guard for motor wheel fenders, Splash. J. H. Cohen. 2,000,220; May 7.
Hair curling device. R. Pezzella. 2,000,496; May 7.
Handbag and reversible cover therefor. M. H. Resnick. 2,000,538; May 7.
Hand brake. S. B. Haseltine. 2,000,078; May 7.
Handgrips for golf clubs and the like. J. M. Oldham. 2,000,295; May 7.
Handle: *See*—
Fishing rod handle.
Hanger: *See*—
Fixture hanger.
Hanger for automobiles. K. J. Tobin. 2,000,306; May 7.
Harmonica with tone controls, Chromatic. B. Minevitch. 2,000,408; May 7.
Harrow, Spring tooth. A. W. Reynolds. 2,000,097; May 7.
Hay, Apparatus for storage, curing, and preservation of. J. G. Shodron. 2,000,103; May 7.
Hay, Apparatus for the storage of. J. G. Shodron. 2,000,102; May 7.
Headlight signal. W. H. Seymour. 2,000,258; May 7.
Heat exchange apparatus. F. C. W. Wilkinson. 2,000,053; May 7.
Heat insulating wall construction. E. R. Powell. 2,000,863; May 7.
Heat transfer. H. H. Dow. 2,000,886; May 7.
Heater: *See*—
Electric heater. Water heater.
Electrical heater.
Heater. W. R. Davies. 2,000,825; May 7.
Heater. H. S. Wheller. 2,000,112; May 7.
Heater for locomotives, etc., Feed water. E. H. Blunt. 2,000,009; May 7.
Heating apparatus. E. L. Cargill and J. A. Bastion. 2,000,376; May 7.
Heating device, Electrical. L. T. M. Ralston and E. D. Bottsford. 2,000,455; May 7.
Heel covering machine. W. P. Devine. 2,000,128; May 7.
High frequency line, Flexible. L. Walter. 2,000,679; May 7.
Hinge. W. M. Hanson. 2,000,172; May 7.
Hinge and rest. E. Van Note. 2,000,541; May 7.
Hinge construction. A. G. Lyons. 2,000,856; May 7.
Holder: *See*—
Abrasive stone holder. Lip stick holder.
Holder for mine cars, Tag. O. J. Mustard. 2,000,890; May 7.
Holder for stair carpets. H. F. Smith. 2,000,259; May 7.
Honing tool. C. F. High. 2,000,330; May 7.
Horse shoeing and veterinary rack. J. D. Cameron. 2,000,122; May 7.
Hose coupling. C. Harrison. 2,000,481; May 7.
Hose coupling. A. J. Weatherhead, Jr. 2,000,680; May 7.
Hosiery. C. H. Roth. 2,000,615; May 7.
Humidifier. F. N. Smith. 2,000,356; May 7.
Hydrocarbon materials, Oxidation of. W. Dietrich and M. Luther. 2,000,222; May 7.
Hydrocarbons, Pyrolysis of. D. Binnie. 2,000,118; May 7.
Hypodermic injector. F. C. Sutliffe. 2,000,262; May 7.
Ignition trouble eliminator. R. E. Farren. 2,000,830; May 7.
Images, Method of and apparatus for the formation of. N. Delsch. 2,000,379; May 7.
Images, Apparatus for the formation of. N. Delsch. 2,000,380; May 7.
Impeller. C. M. Snyder and F. A. Walker. 2,000,720; May 7.
Index, Card. J. A. Best. 2,000,657; May 7.
Inflated article and making the same. C. S. McCheaney. 2,000,452; May 7.
Injection engine. J. B. Fisher and M. Hofmann. 2,000,225; May 7.
Ink well and pen filling device. D. E. Wade. 2,000,501; May 7.
Insect repellent. E. W. Adams. 2,000,004; May 7.
Insect trap. G. T. Schroder. 2,000,193; May 7.
Insulating housing. D. F. Comstock. 2,000,882; May 7.
Internal combustion engine. H. C. Edwards. 2,000,635; May 7.
Internal combustion engine. H. C. Edwards. 2,000,828; May 7.
Iodides and preparing them, Pyridinium. L. G. S. Brooker. 2,000,578; May 7.
Jack: *See*—
Trailer jack. Vehicle jack.
Jetty. S. M. Wood. 2,000,312; May 7.
Jetty. S. M. Wood and H. A. Schmit. 2,000,311; May 7.
Joint: *See*—
Fluid-stop joint.
Joint for pipes, Metallic swing. D. A. Murphy. 2,000,346; May 7.
Journal-box waste, Reclaiming used. L. C. McNamara, T. W. Potter, and I. M. Conway. 2,000,291; May 7.
Kettle, Frying. J. C. Pitman. 2,000,609; May 7.
Keyboard perforator and counter. E. E. Kleinschmidt and L. M. Potts. 2,000,029; May 7.
Kiln feed mechanism. C. R. Birdsey. 2,000,272; May 7.
Kingpin angle gauge. D. Seger, R. D. Smith, and F. J. Fransen. 2,000,805; May 7.
Knitting machine. W. D. Gorman and C. Moses. 2,000,837; May 7.
Knitting machine. S. R. Shelmire. 2,000,194; May 7.
Knitting machine and knitting béret caps and the like. L. Borsook. 2,000,373; May 7.
Knot-forming mechanism. E. Adrian. 2,000,504; May 7.
Lacquers, Dyeing nitrocellulose. W. Jaeck. 2,000,393; May 7.
Lactyl cellulose esters, Preparation of. W. O. Kenyon and R. H. Van Dyke. 2,000,596; May 7.
Ladder bracket. I. E. Hogelin. 2,000,483; May 7.
Lamp: *See*—
Glow lamp.
Last, Shoe stretching. P. La Marca and Q. D. Romito. 2,000,340; May 7.
Lead alkyls, Preparation of. F. Downing and L. S. Bake. 2,000,069; May 7.
Lens mount, Adjustable. A. Wollensak. 2,000,811; May 7.
Lever means for leveling hearse bodies. W. H. Heise. 2,000,230; May 7.
Lid for baskets. S. and R. E. Huston. 2,000,639; May 7.
Lightning arrester, Porous. J. Slepian, R. Tanberg, and C. E. Krause. 2,000,719; May 7.
Limb joint construction, Artificial. W. J. Didier. 2,000,066; May 7.
Line adjuster. J. Kries. 2,000,891; May 7.
Lining and shock absorber, Bell. H. B. Uhlmann and J. C. Myers. 2,000,540; May 7.
Lining collar for fruit boxes. R. H. Dart. 2,000,126; May 7.
Lip stick holder. A. A. Koch. 2,000,487; May 7.
Liquid chilling apparatus. T. A. Jenkins. 2,000,446; May 7.
Liquid dispenser. J. Forman. 2,000,167; May 7.
Liquid dispensing device. J. C. Miller. 2,000,493; May 7.

Liquid extraction apparatus, Counter current. D. F. Othmer. 2,000,606; May 7.
Liquid or a gas into intimate contact or mixture, Method of and apparatus for bringing a. I. Hechenbleikner. 2,000,444; May 7.
Lithographic printing machine. A. J. Horton. 2,000,518; May 7.
Lock. M. Falk. 2,000,829; May 7.
Lock. J. W. Fitz Gerald. 2,000,279–80; May 7.
Lock. C. L. Vaughn. 2,000,264; May 7.
Lock for safes. W. Lavallée. 2,000,238; May 7.
Lock mechanism, Keyless. P. B. Weis. 2,000,111; May 7.
Locking device, Adjustable batch beam. M. J. Hanlon. 2,000,429; May 7.
Locking device for dial telephones. R. B. Poliakoff. 2,000,669; May 7.
Locomotive fuel conveyer. H. E. Lippert. 2,000,468–9; May 7.
Looms, Protector motion for. J. Chapman and B. W. Brown. 2,000,820; May 7.
Lubricated bearing. J. S. Coffin, Jr., and E. L. Schellens. 2,000,561; May 7.
Lubricating means. R. J. Gray. 2,000,170; May 7.
Lubricating system for dough dividers. G. B. Eggert. 2,000,512; May 7.
Lubrication system. A. Nutt. 2,000,714; May 7.
Machine. L. R. Herndon. 2,000,079; May 7.
Machine for brushing citrus or other fruits. T. W. Miller. 2,000,779; May 7.
Machine for making barrels. W. F. Newhouse. 2,000,569; May 7.
Machine for producing gears. O. F. Bauer and W. R. Carpenter. 2,000,209; May 7.
Machine for producing gears. L. O. Carlsen. 2,000,215; May 7.
Machine for treating bags. L. T. Bromfield. 2,000,507; May 7.
Machine for treating hides, skins, leather, and other similar piece of work. K. Rausch. 2,000,148; May 7.
Machine tool. C. R. Alden. 2,000,553; May 7.
Manganese sulphur compounds, Making. H. B. Bishop. 2,000,211; May 7.
Manure and producing same, Artificial. J. Kaiser and E. Saper. 2,000,082; May 7.
Material, Apparatus for drying loose. K. R. Bixby. 2,000,017; May 7.
Material handling apparatus. F. S. Miller. 2,000,292; May 7.
Material to a fabric web, Apparatus for and method of applying surfacing. N. P. Harshberger. 2,000,777; May 7.
Materials, Drying. W. A. Darrah. 2,000,663; May 7.
Mattress, Pneumatic core. E. W. Arena. 2,000,873; May 7.
Measuring instrument. V. E. Barbonara. 2,000,659; May 7.
Measuring instrument. J. F. Vaughan. 2,000,625; May 7.
Metal alloy, Alkali. D. H. Brophy. 2,000,740; May 7.
Metal compound containing an isoindole nucleus and making the same. J. F. Thorpe, R. P. Linstead, and J. Thomas. 2,000,051; May 7.
Metal wheel. G. Spatta. 2,000,573; May 7.
Metallic container. W. R. Miller. 2,000,780; May 7.
Meter: *See*—
Gas-time meter.
Meter. D. A. Young. 2,000,731; May 7.
Microscope stand. W. Bauerfeld. 2,000,737; May 7.
Milk and other substances, Apparatus for pasteurising. A. G. Enock. 2,000,514; May 7.
Milk testing device. C. H. Carpenter and C. M. Derby. 2,000,579; May 7.
Mineral oil composition. B. W. Story and E. W. Fuller. 2,000,105; May 7.
Mining machine. C. A. Pratt. 2,000,670; May 7.
Mirror making. H. G. White and F. L. Porter. 2,000,310; May 7.
Mixing valve, Automatic. F. C. Chadborn. 2,000,319; May 7.
Modulation. O. Böhm. 2,000,771; May 7.
Modulation. E. Mayer. 2,000,770; May 7.
Molding machine. J. G. Kazanjian. 2,000,027; May 7.
Mordant. E. B. Boller. 2,000,576; May 7.
Motor: *See*—
Spring motor. Water motor.
Motor. H. Hueber and E. C. Horton. 2,000,890; May 7.
Motor and clock mechanism, Electric. A. W. Haydon. 2,000,516; May 7.
Motor carburation apparatus and system of control therefor, Internal combustion. O. A. Ross. 2,000,098; May 7.
Motor control system. G. Brunner and E. Kern. 2,000,880; May 7.
Motor control system. N. H. Willby. 2,000,727; May 7.
Mounting for motor vehicles, Chassis and spring. A. Miles. 2,000,568; May 7.
Mounting for vehicles, Sliding seat. M. P. Browne. 2,000,163; May 7.
Mounting, Reflector. G. F. Tauchmann. 2,000,303; May 7.
Mounting, Thermocouple. K. M. Lederer. 2,000,489; May 7.
Mounting, Wire brush. R. R. Radinse. 2,000,612; May 7.
Mower. L. H. Thoen. 2,000,363; May 7.
Mower attachment, Lawn. V. G. Pew. 2,000,249; May 7.
Mower, Lawn. H. G. Nall. 2,000,143; May 7.
Mowing machine. M. H. Newlin. 2,000,144; May 7.
Multiplin wheel platen. J. Q. Sherman and A. W. Metzger. 2,000,650; May 7.
Multiple furnace. C. I. Hayes. 2,000,664; May 7.
Multiplier, Frequency. F. E. Terman. 2,000,362; May 7.
Neckband and collar finishing press. J. S. Patterson. 2,000,093; May 7.
Necktie. F. H. and E. Teech. 2,000,799; May 7.
Nickel or nickel copper compounds, Reduction of oxygeneous. A. M. Gronningsaeter. 2,000,171; May 7.
Nut cracking machine. O. H. Franklin. 2,000,749; May 7.
Oar, Bow facing. S. H. Williams. 2,000,630; May 7.
Oestrus exciting product and producing same. S. Aschheim. 2,000,117; May 7.
Offset in printing and the like, Opposing. W. W. Allen and L. Grammer. 2,000,684; May 7.
Oil burner. J. A. Dahlstrom and W. A. Bryson. 2,000,884; May 7.
Oil conversion, Hydrocarbon. C. W. Luton and J. Beddow. 2,000,399; May 7.
Oil-water emulsions, Breaking of. J. C. Walker. 2,000,725; May 7.
Oil-water emulsions, Breaking of. J. C. Walker. 2,000,802; May 7.
Oils, Conversion of hydrocarbon. G. B. Murphy. 2,000,186; May 7.
Oils, tars, and residues, Distillation of mineral still. A. M. Thomsen. 2,000,305; May 7.
Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 2,000,410–12; May 7.
Oiler, Die. J. M. Hinkle. 2,000,482; May 7.
Opener, Clam. V. E. Hallock. 2,000,075; May 7.
Ore conditioning device. J. P. Ruth. 2,000,418; May 7.
Ores, particularly carnotite, Floating uranium. H. H. Armstrong and A. B. Menefee. 2,000,656; May 7.
Oscillation system. W. E. Bower. 2,000,010; May 7.
Outlet box. J. Knell. 2,000,851; May 7.
Output of a generator, Regulating the. C. W. Terry. 2,000,674–5; May 7.
Oven, Constant temperature. C. L. Watson. 2,000,266; May 7.
Package. J. D. Rankin. 2,000,251; May 7.
Package binder. H. C. Porter. 2,000,610; May 7.
Packages, Making confection. F. T. Krein. 2,000,339; May 7.
Padlock. Y. Husarik. 2,000,445; May 7.
Panel, Building. A. L. Kehm. 2,000,847; May 7.
Paper delivery mechanism. G. Schaefer, Jr. 2,000,009; May 7.
Paper drying process and apparatus. J. O. Woodsome. 2,000,546; May 7.
Paper, Laminated composite. G. B. Linderman, Jr. 2,000,528; May 7.
Paper making machine. S. Amantea. 2,000,006; May 7.
Paper, Waterproof abrasive. C. Munch. 2,000,532; May 7.
Para-N-sec-alkylamino-phenols and other substituted phenols, Manufacture of certain. R. T. Major. 2,000,034; May 7.
Pasteuriser, Milk. L. A. Babcock. 2,000,370; May 7.
Petroleum emulsions, Breaking. C. H. M. Roberts. 2,000,717; May 7.
Phase sequence apparatus. W. A. Lewis, Jr. 2,000,767; May 7.
Photoelectric device. A. H. Lamb. 2,000,642; May 7.
Photographic layers in a bath containing a wetting agent and new preparations intended for acting on photographic layers, Treating. A. Schaeffer. 2,000,853; May 7.
Photographs, Apparatus for taking. J. B. Strauss. 2,000,425; May 7.
Photography. M. O. Miller. 2,000,470; May 7.
Photography, Three color. J. A. Ball. 2,000,058; May 7.
Phototube. T. H. Long. 2,000,705; May 7.
Pick-up and delivery system. E. J. White and A. S. Garove. 2,000,154; May 7.
Picture apparatus, Motion. A. A. Andrews. 2,000,872; May 7.
Picture apparatus, Motion. C. R. Hanna. 2,000,698; May 7.
Picture apparatus, Talking motion. A. N. Goldsmith. 2,000,697; May 7.
Picture machine, Motion. A. S. Howell. 2,000,286; May 7.
Pigment. F. A. Henglein and O. Nitzschke. 2,000,135; May 7.
Pigment. C. A. Hochwalt. 2,000,842; May 7.
Pigment. C. A. Thomas and C. A. Hochwalt. 2,000,050; May 7.
Pigments from lead ores, Making. N. C. Christensen. 2,000,661; May 7.
Pin feed platen roll. J. Q. Sherman. 2,000,649; May 7.
Pin feed platen roll. J. Q. Sherman. 2,000,651; May 7.
Piston skirt expander. R. R. Teetor. 2,000,106; May 7.
Pitch propeller, Automatic variable. L. M. Taylor. 2,000,049; May 7.
Planing machine. F. H. Jennings. 2,000,394; May 7.
Plaster board into a drying kiln, Apparatus for feeding. C. Absmeier. 2,000,269; May 7.
Plate gangs for multicolor printing, Device for forming. B. F. Heck. 2,000,755; May 7.
Plate gangs for multi-color printing, Forming. B. F. Heck. 2,000,756; May 7.

Plates onto a conveyer, Device for feeding. J. F. Kohler. 2,000,761; May 7.
Plug and vacuum cup, Combination sink. J. Yozewitch. 2,000,206; May 7.
Pneumatic dispatch carrier. J. G. Maclaren. 2,000,400; May 7.
Porcelain, Making dental. F. P. Hoffmann. 2,000,285; May 7.
Portable receptacle. M. Solomon. 2,000,302; May 7.
Post: *See*—
Fence post.
Powdered or granular material, especially coal, Separation of. R. Lessing and R. H. Allen. 2,000,181; May 7.
Power converting unit and system. J. N. Stowell. 2,000,868; May 7.
Power metering, Multiple-rate. J. P. Ballantine. 2,000,736; May 7.
Power transmission wheel. H. H. Frick. 2,000,834; May 7.
Power transmitting mechanism. L. J. Turner. 2,000,500; May 7.
Press: *See*—
Neckband and collar finishing press. Tobacco press.
Pressure filter. B. Kelley. 2,000,137; May 7.
Pressure to the cylinders of the mechanisms for drawing textile rovings, Apparatus for imparting. F. Casablancas. 2,000,660; May 7.
Printing. V. Peterson and A. C. Schaefer. 2,000,094; May 7.
Printing attachment for printing presses, Auxiliary rotary. W. M. Kelly. 2,000,486; May 7.
Progressive container. E. N. Snodgrass and M. E. Holy. 2,000,301; May 7.
Protector: *See*—
Curtain protector.
Puller: *See*—
Dandelion puller.
Pulp, Hydration of. G. S. Witham, Jr. 2,000,268; May 7.
Pulp molding machine. A. H. Maginnis. 2,000,085; May 7.
Pump: *See*—
Fluid jet pump.
Pump or motor, Variable delivery. E. K. Benedek. 2,000,271; May 7.
Pump unit. C. L. Babb. 2,000,874; May 7.
Punch machine, Sheet metal. G. T. Balfe. 2,000,208; May 7.
Putty softener. O. P. Glick. 2,000,751; May 7.
Pyrites, Working up auriferous and cupriferous arsenical. A. R. Lindblad. 2,000,183; May 7.
Quilt and rug frame. A. W. Knutson. 2,000,397; May 7.
Rack for automobiles, Wash. S. J. Silverman. 2,000,151; May 7.
Rack for displaying rugs. F. F. Kerr. 2,000,336; May 7.
Racket. C. Bentley. 2,000,316; May 7.
Radioreceiver, Superheterodyne. H. A. Wheeler. 2,000,113; May 7.
Radio receiving system. F. X. Rettenmeyer. 2,000,190; May 7.
Radioreception. M. H. Livingston. 2,000,529–30; May 7.
Range, Table top electric. F. A. Lusher. 2,000,343; May 7.
Radio transformer, Variable. H. C. Guhl. 2,000,754; May 7.
Receiver arrangement, Short wave. H. M. Lewis. 2,000,084; May 7.
Recessing cutter. W. B. Crockett. 2,000,824; May 7.
Receptacle: *See*—
Portable receptacle.
Receptacle. C. A. Buschan. 2,000,162; May 7.
Receptacle and making same, Paper. G. W. Poppe. 2,000,188; May 7.
Rectifier, Regulated. J. R. Power. 2,000,189; May 7.
Reel: *See*—
Fishing reel.
Refrigerating apparatus. H. L. Forman. 2,000,440; May 7.
Refrigerating apparatus. H. George. 2,000,590; May 7.
Refrigerating apparatus. L. A. Philipp. 2,000,787; May 7.
Refrigerating apparatus. S. M. Schweller. 2,000,619; May 7.
Refrigerating system. A. L. Lambert. 2,000,525; May 7.
Refrigeration apparatus. J. W. McNulty. 2,000,775; May 7.
Refrigeration, Continuous absorption. E. Altenkirch. 2,000,605; May 7.
Refrigerator, Domestic. R. C. Brown. 2,000,879; May 7.
Refuse incineration. I. S. Osborn. 2,000,296; May 7.
Regulating system. J. T. Mercereau and A. J. Maslin. 2,000,776; May 7.
Regulator for charging generators. F. P. Clesi, C. B. Cousley, and C. Meyers. 2,000,125; May 7.
Release device for fluids. D. Mapes. 2,000,708; May 7.
Reproducing apparatus. G. Leofanti. 2,000,766; May 7.
Resin from sulphite cellulose, Removing. G. Haglund. 2,000,562; May 7.
Respirator. H. S. Cover. 2,000,064; May 7.
Rheostat. M. W. Kenney. 2,000,177–8; May 7.
Rheostat. E. W. Kiefaber, J. Doerr, T. B. Whitson, and W. B. Creagmile. 2,000,849; May 7.
Rheostat. P. Schmitt. 2,000,718; May 7.
Ribbons, Manufacture of. R. Hofstadt. 2,000,388; May 7.
Ring: *See*—
Finger ring.
Road machine. R. Gedstad. 2,000,072; May 7.
Roll handling mechanism. H. A. W. Wood. 2,000,809; May 7.
Roll paper cutter. W. J. Anderson. 2,000,432; May 7.
Roller bit. G. G. Harrington. 2,000,076; May 7.
Röntgen projections, Method of and apparatus for making. E. Pohl. 2,000,497; May 7.
Room, Fruit coloring. H. B. Hatch. 2,000,637; May 7.
Rubber composition and method of preserving rubber. W. L. Semon and A. W. Sloan. 2,000,039–41; May 7.
Rubber, etc., Compounding of. R. J. King and E. C. King. 2,000,028; May 7.
Rust resistant fabric. H. E. Katzenmoyer. 2,000,176; May 7.
Safety oil can. J. E. Schlorff. 2,000,299; May 7.
Sanderplane, Adjustable. H. L. Myers. 2,000,784; May 7.
Sausage casing, Artificial. F. Goldberger. 2,000,835; May 7.
Scale base system. W. N. Gilbert. 2,000,168; May 7.
Scale, Coin. G. R. Wood. 2,000,156; May 7.
Screen: *See*—
Talking picture screen. Window screen.
Screw thread repairing tool. T. A. Grove. 2,000,227; May 7.
Seal. G. A. Burr and E. E. Arnold. 2,000,688; May 7.
Seal. J. C. Olsen. 2,000,349; May 7.
Seal for bearings, Grease. E. P. Larah. 2,000,341; May 7.
Seal for conveying apparatus. J. H. Morrow. 2,000,293; May 7.
Sealer, Steam wrapping. J. W. Moore. 2,000,782; May 7.
Sealing means for electrolytic devices. F. D. Sprague and F. W. McNamara. 2,000,793; May 7.
Separable fastener. A. D. Pannuttl, Jr. 2,000,415; May 7.
Separator: *See*—
Egg separator.
Sewing machine. F. Ricks, H. E. Elliott and F. C. Choice. 2,000,613; May 7.
Sewing machine, Lockstitch. F. Ricks and H. E. Elliott. 2,000,254; May 7.
Shaker, Advertising condiment. E. N. Sarber. 2,000,419; May 7.
Shaker, Combined salt and pepper. A. H. Bomberger. 2,000,818; May 7.
Sharpener, Razor blade. M. Tollins. 2,000,800; May 7.
Sharpening device. F. Liggieri. 2,000,141; May 7.
Shear, Up-cut. F. A. Beatty. 2,000,314; May 7.
Shears. E. H. Langhein. 2,000,852; May 7.
Sheet folding mechanism. R. C. Flynt. 2,000,636; May 7.
Sheet material, Mitering. C. J. Du Brul. 2,000,634; May 7.
Sheet piling mechanism. W. F. Conklin, H. S. Hopkins and J. M. Hover. 2,000,273; May 7.
Sheet separating and conveying device. G. Spiess. 2,000,261; May 7.
Shingle method. E. J. Buczkowski. 2,000,557; May 7.
Shingles and composition therefor, Treating asphalt. L. A. Fry. 2,000,226; May 7.
Shipping case. H. E. Rue and B. Nordstrom. 2,000,102; May 7.
Shock absorber. J. W. Gray. 2,000,132; May 7.
Shock absorber. B. L. Mallory. 2,000,086; May 7.
Shoe attachment for arch supports. G. W. Grabb. 2,000,591; May 7.
Shoe filler unit, Magazine. C. F. Eaton. 2,000,321; May 7.
Shutter for motion picture projectors, Safety. M. G. Blank. 2,000,575; May 7.
Sign flasher. C. Hotchkiss. 2,000,700; May 7.
Signal: *See*—
Headlight signal.
Signal system, Railway. L. Espenschied. 2,000,166; May 7.
Silk, Making artificial. H. G. Stone. 2,000,047–8; May 7.
Siphon. W. P. Meeker and E. C. Price. 2,000,087; May 7.
Syrup, Production of malt. H. C. Gore, S. Józsa, and C. N. Frey. 2,000,109; May 7.
Skate. J. M. Keller. 2,000,396; May 7.
Skins and envelopes particularly adapted for use as artificial sausage casings, Manufacturing from nitrocellulose. F. Goldberger. 2,000,836; May 7.
Slag conveyer. J. H. James. 2,000,484; May 7.
Slicing machine. W. B. Bronander. 2,000,508; May 7.
Slide rule case. A. W. Keuffel. 2,000,337; May 7.
Slide valve. E. C. Clarke. 2,000,822; May 7.
Slit filter. T. F. Mandahl. 2,000,490; May 7.
Slitting and crushing device, Combined. R. M. Johnstone and L. C. Borloz. 2,000,175; May 7.
Slitting fixture for piston rings. J. C. Linn. 2,000,239; May 7.
Snap operating mechanism. C. T. Evans. 2,000,322; May 7.
Socket, Radio tube. R. M. Heintz. 2,000,563; May 7.
Solution, Viscose. R. Elssner. 2,000,887; May 7.
Solvent refining of hydrocarbon oil. L. A. Clarke. 2,000,690; May 7.
Solvent refining of hydrocarbon oil. R. E. Manley. 2,000,707; May 7.
Sorting and counting from statistical record-cards, Apparatus for. C. Campbell. 2,000,214; May 7.
Sorting machine. C. D. Lake. 2,000,237; May 7.

Sorting machine. M. Maul. 2,000,404; May 7.
Sound and picture system. E. H. Smythe. 2,000,198; May 7.
Sound modification, Method of and apparatus for. R. M. White. 2,000,606; May 7.
Sound reproducing system. E. R. Hentschel. 2,000,840; May 7.
Speed transmission, Variable. A. Happel. 2,000,593; May 7.
Spring motor, Self winding. A. Pate. 2,000,145; May 7.
Sprinkler head for shower baths. V. E. Schmiedeknecht. 2,000,792; May 7.
Squeegee and negative holder, Photographic vacuum. W. C. Huebner. 2,000,890; May 7.
Stain and related composition. E. R. Bush. 2,000,120; May 7.
Stain, Wood. E. R. Bush. 2,000,121; May 7.
Stand: *See*—
Microscope stand.
Static, System for eliminating. C. N. Loewenstein. 2,000,142; May 7.
Steam generating apparatus. S. F. Burnet. 2,000,509; May 7.
Steam generator. M. H. Kuhner. 2,000,138; May 7.
Steam, Process and apparatus for heating. M. M. Durkee. 2,000,277; May 7.
Steaming apparatus, Electric. L. E. White. 2,000,628; May 7.
Stevedoring apparatus. F. H. Weeks. 2,000,054; May 7.
Stoker, Domestic type. F. W. Kay. 2,000,702; May 7.
Stop-cock. W. M. Zalkowsky. 2,000,552; May 7.
Stove. B. B. Kahn. 2,000,334–5; May 7.
Stove. B. B. Kahn and W. T. Bradbury. 2,000,333; May 7.
Stove and the like, Electric cooking. W. H. Myers. 2,000,413; May 7.
Stranding machine. W. E. Somerville. 2,000,104; May 7.
Straw and product thereof, Producing artificial. C. Dreyfus and W. Whitehead. 2,000,013; May 7.
Stretcher, Curtain. A. Stalzer. 2,000,358; May 7.
Structural members, Strengthening. A. G. Leake. 2,000,599; May 7.
Submarine safety apparatus, Automatic. M. Dray. 2,000,746; May 7.
Sugar and salts from sugar cane molasses, Recovery of. E. A. Vasquez. 2,000,202; May 7.
Summary board. G. H. Dawson and P. O. Unger. 2,000,558; May 7.
Support: *See*—
Brick facing support. Window support.
Support. B. Greenfield and F. J. Thibault. 2,000,592; May 7.
Support for drooping plants. C. Zingre. 2,000,632; May 7.
Support for engraving machine cutter heads, Swingable. G. Gorton. 2,000,838; May 7.
Support for the head while sleeping or resting in a sitting position. G. L. McClellan. 2,000,344; May 7.
Suspension for vehicles, Pneumatic. H. B. Simmons. 2,000,196; May 7.
Swab, Dyeing. J. Schifter. 2,000,456; May 7.
Swab, Oil well. B. E. Tyler. 2,000,109; May 7.
Switch: *See*—
Electric safety switch. Fuse switch.
Electric switch. Thermostatic switch.
Switch. P. B. Hoye. 2,000,080; May 7.
Switch mechanism, Electric. A. J. Shekter. 2,000,648; May 7.
Switch operating apparatus, Railway. W. C. McWhirter and R. G. Little. 2,000,860; May 7.
Syringe, Ampulla. C. Baudouin and K. Pietsch. 2,000,424; May 7.
System impervious to unbalanced faults. A. D. Dovjikov, C. L. Fortescue, and C. F. Wagner. 2,000,693; May 7.
Table and instruments therefor, Combination drafting. W. P. Niukkanen and S. Mikkonen. 2,000,247; May 7.
Tabulating machine. F. M. Carroll. 2,000,218; May 7.
Talking picture screen. H. Hertzberg. 2,000,174; May 7.
Tape moistener, Automobile. F. H. Poeppelmeier. 2,000,536; May 7.
Target. W. F. Winning and C. Keyser. 2,000,368; May 7.
Telautograph. A. B. Du Mont. 2,000,014; May 7.
Telephone sound reproducer. H. D. Knapp. 2,000,523; May 7.
Television system. E. H. Felix. 2,000,694; May 7.
Tent. F. M. Powers. 2,000,644; May 7.
Tent construction. C. M. Wickstrum. 2,000,205; May 7.
Terminal for electric cables. F. W. Engster. 2,000,748; May 7.
Testing apparatus. H. C. Weikel, Jr. 2,000,502; May 7.
Testing device. T. E. Hodgkinson. 2,000,594; May 7.
Tetrachloroethylene, Purifying. G. H. Coleman. 2,000,881; May 7.
Theft preventing device, Automobile. J. F. Huss. 2,000,126; May 7.
Thermionic tube. P. E. Terman. 2,000,804; May 7.
Thermometer. H. Y. Norwood. 2,000,092; May 7.
Thermostatic structure. R. E. Newell. 2,000,294; May 7.
Thermostatic switch. C. R. Laubenfels. 2,000,898; May 7.
Thread guide. M. J. McHale. 2,000,405; May 7.
Threshing and scutching machine. J. A. Grant. 2,000,282; May 7.
Throttle valve, Pressure controlled. W. A. Henry. 2,000,387; May 7.
Ticket machine. A. Bolognino. 2,000,159; May 7.
Tile. H. Jansen. 2,000,565; May 7.
Tiles, Roofing and like. J. H. Hutchinson. 2,000,392; May 7.
Timer. P. B. Hosegood. 2,000,758; May 7.
Timing device for washing machines. G. B. Keil. 2,000,448; May 7.
Tints on animal fibers, Producing fast. F. Straub and H. Schneider. 2,000,794; May 7.
Tire construction. R. S. Taylor. 2,000,869; May 7.
Tire covers and the like, Apparatus for molding and vulcanizing pneumatic. H. Willshaw, T. Norcross, and F. G. Broadbent. 2,000,430; May 7.
Tire grooving machine. H. F. Scruby. 2,000,900; May 7.
Tire mounting machine. O. H. Renfro. 2,000,096; May 7.
Tire, Vehicle. A. H. Nellen and F. Leopold, Jr. 2,000,785; May 7.
Tobacco, Denicotinizing. L. M. Lippmann and A. Faitelowits. 2,000,855; May 7.
Tobacco press. J. M. Evans and O. R. Yerington. 2,000,382; May 7.
Toilet seat cover. E. Lichtenstein. 2,000,566; May 7.
Tool: *See*—
Carpenter's tool. Screw thread repairing tool.
Honing tool.
Machine tool.
Tool and hydraulic actuating mechanism therefor, Machine. D. H. West and K. C. Monroe. 2,000,805; May 7.
Tool setting gauge. C. C. Reis. 2,000,788; May 7.
Tool setting gauge. W. D. Schmidt. 2,000,476; May 7.
Torch cutting or welding apparatus. J. L. Anderson. 2,000,007; May 7.
Toy. O. T. Jensen. 2,000,332; May 7.
Toy. F. V. Williams. 2,000,808; May 7.
Tramc controlling apparatus, Railway. E. M. Allen. 2,000,871; May 7.
Trailer jack. J. Kuchar. 2,000,179; May 7.
Train automatic air connecter. J. J. Weber. 2,000,726; May 7.
Train pipe connecter. F. N. Bard. 2,000,157; May 7.
Trammel point for pitchometers. B. O. Godfrey. 2,000,281; May 7.
Transfer material stripper. J. Q. Sherman. 2,000,100; May 7.
Transfer mechanism for circular knitting machines. L. N. D. Williams. 2,000,429; May 7.
Transformer and static eliminator, Audio amplifying. A. Straka. 2,000,424; May 7.
Transmission line. N. E. Lindenblad. 2,000,032; May 7.
Transmission mechanism. A. Moorhouse. 2,000,605; May 7.
Transmission regulation. S. B. Wright. 2,000,116; May 7.
Transmission system, Hydraulic. L. L. Schauer, A. M. Sosa, and J. H. McKewen. 2,000,420; May 7.
Trap: *See*—
Animal trap. Insect trap.
Ant trap.
Traveling chain gate. F. E. M. Schenk. 2,000,298; May 7.
Truss, Spandrel. R. L. Davison. 2,000,885; May 7.
Tube: *See*—
Electron discharge tube. Thermionic tube.
Electron tube.
Tube connecter, Separable. A. A. Nina. 2,000,570; May 7.
Tube rolling machine, Fiber. H. J. Davis. 2,000,065; May 7.
Tube stem machine, Thermionic. W. W. Eitel and J. McCullough. 2,000,560; May 7.
Tuning system. B. Trevor. 2,000,677; May 7.
Turbine blades, Uniting nickel chrome steel. P. C. Dimberg. 2,000,692; May 7.
Turntable. R. Clover. 2,000,823; May 7.
Turpentine-face scribe. T. N. Busch. 2,000,375; May 7.
Two-cycle gas engine. E. M. Tucker. 2,000,108; May 7.
Type bar machine. H. J. Megley. 2,000,068; May 7.
Type retaining plate. F. H. Poeppelmeier. 2,000,035; May 7.
Typewriter attachment. L. Jensen. 2,000,641; May 7.
Unidirectional breather. L. C. Nichols. 2,000,862; May 7.
Upholstery finishing strip. A. L. Howard. 2,000,466; May 7.
Upholstery for metal spring construction. F. B. and H. E. Williams. 2,000,114; May 7.
Vacuum system for hydraulically operated mechanisms. H. F. Vickers. 2,000,265; May 7.
Vacuum therapy device. C. G. Miller. 2,000,710; May 7.
Vacuum tube apparatus. H. S. Black. 2,000,505; May 7.
Valve: *See*—
Bathtub and shower control valve. Flush valve.
Mixing valve.
Compressor discharge valve. Slide valve.
Throttle valve.
Valve. H. E. Cullen and H. O. Ronning. 2,000,883; May 7.
Valve. J. O. Lange. 2,000,853; May 7.
Valve. S. J. Nordstrom. 2,000,494; May 7.
Valve construction, Gate. W. T. Pease. 2,000,852; May 7.
Valve control system, Automatic. C. J. Williamson and H. F. Suverkrup. 2,000,567; May 7.
Valve structure for compressors and pumps. E. E. Arnold. 2,000,735; May 7.

Variable mica condenser. W. M. Bailey. 2,000,686; May 7.
Vehicle body and top construction. J. Votypka. 2,000,626; May 7.
Vehicle construction, Land. L. H. Thoen. 2,000,364; May 7.
Vehicle jack. T. C. White. 2,000,503; May 7.
Vehicle, Land and water motor. U. Textier de la Caillerie. 2,000,827; May 7.
Vehicle loading device. S. Paul. 2,000,351; May 7.
Vehicle wheel. W. S. Brink. 2,000,877; May 7.
Venting device for gasoline tanks. R. L. Aumack. 2,000,431; May 7.
Vibrator. J. M. Ide. 2,000,024–6; May 7.
View finder, Direct. J. L. Boon. 2,000,577; May 7.
Vine divider. C. E. Snyder. 2,000,260; May 7.
Visual effects, Method and apparatus for producing. A. C. Watson. 2,000,153; May 7.
Volume metering apparatus. F. von Schütz. 2,000,308; May 7.
Vulcanizer. A. S. Michelson. 2,000,406; May 7.
Vulcanizer for repair of inner tubes. J. J. Batterman. 2,000,461; May 7.
Wall and constructing it, Retaining. H. E. McKeen. 2,000,492; May 7.
Wall construction. F. A. Manske. 2,000,243; May 7.
Wall construction. A. Minutoli. 2,000,409; May 7.
Watch. W. Harris. 2,000,328; May 7.
Water closet. F. G. Bushold. 2,000,658; May 7.
Water heater, Electric. S. Conte. 2,000,478; May 7.
Water level recorder. J. C. Stevens. 2,000,046; May 7.
Water motor. G. M. Mood. 2,000,781; May 7.
Water, Treating. R. M. Smith. 2,000,197; May 7.
Waving appliance, Permanent. M. Arnold. 2,000,207; May 7.
Wax and production of same, High melting point. C. F. Tears. 2,000,427; May 7.
Web renewing mechanism. H. Fankhauser. 2,000,439; May 7.
Web renewing mechanism. C. J. Richter. 2,000,253; May 7.
Welding apparatus, Arc. L. S. Burgett. 2,000,161; May 7.
Welding rod or flux holder, Making. J. C. Lincoln. 2,000,182; May 7.
Welding system. C. G. Suits. 2,000,723; May 7.
Well surveying instrument. G. L. Kothny and F. C. Narvesen. 2,000,524; May 7.
Wetting preparations and their manufacture. C. Dunbar and W. Todd. 2,000,559; May 7.
Wheel: *See*—
Metal wheel. Vehicle wheel.
Power transmission wheel.
Wheel supports for motor vehicles, Individual. J. W. Leighton. 2,000,180; May 7.
Wheel suspension, Independent vehicle. L. B. Rivard. 2,000,255; May 7.
Wheel wrench. T. J. Davies. 2,000,744; May 7.
Wheels, Nonmetallic gear. C. W. Mansur. 2,000,769; May 7.
Window. A. Kaspar. 2,000,522; May 7.
Window construction. G. H. Howenstein. 2,000,564; May 7.
Window construction. J. N. Victor. 2,000,366; May 7.
Window of metal or similar material in metal wall. G. B. Jonas and A. T. Esseling. 2,000,845; May 7.
Window screen. W. J. Basch. 2,000,554; May 7.
Window structure, Self contained. O. M. Edwards and R. T. Axe. 2,000,511; May 7.
Window support. A. H. Haberstump. 2,000,561; May 7.
Wiper, Oil. G. B. Eggert. 2,000,513; May 7.
Wire cloth tightener. L. G. Symons. 2,000,426; May 7.
Wire fabric, Making. W. E. Reed. 2,000,788; May 7.
Wood staining. W. S. Calcott and C. J. Pedersen. 2,000,689; May 7.
Wrench: *See*—
Wheel wrench.
Wrench and pliers, Combination. E. Cullen. 2,000,012; May 7.
Wrench for well tubing and rods, Powder. C. W. Dawson. 2,000,221; May 7.
Zeolite water softener. R. O. Friend and J. A. Montgomery. 2,000,696; May 7.
Zinc and similar metals, Distillation of. A. Leysner. 2,000,140; May 7.
Zinc, Production of. M. G. Freise. 2,000,833; May 7.

CLASSIFICATION OF PATENTS

ISSUED MAY 7, 1935

NOTE.—First number—class, second number—subclass, third number—patent number

1— 13.6: 2,000,569
2— 3: 2,000,540
73: 2,000,633
146: 2,000,799
173: 2,000,242
228: 2,000,149
3— 2: 2,000,066
4— 98: 2,000,658
243: 2,000,566
295: 2,000,205
5— 124: 2,000,859
348: 2,000,873
351: 2,000,114
7— 3: 2,000,012
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47: 2,000,314
65: 2,000,175
68: 2,000,099
81: 2,000,852
99: 2,000,208
112: 2,000,029
113: 2,000,233
166— 19: 2,000,750
167— 22: 2,000,843
30: 2,000,004
47: 2,000,131
74: 2,000,117
169— 4: 2,000,381
11: 2,000,708
170— 163: 2,000,049
171— 119: 2,000,729
223: 2,000,699
242: 2,000,378
268: 2,000,736
313: 2,000,674
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314: 2,000,571
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172— 179: 2,000,724
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237: 2,000,693
238: 2,000,776
239: 2,000,465
274: 2,000,880
275: 2,000,516
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265: 2,000,355
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313: 2,000,652
318: 2,000,688
324: 2,000,665
328: 2,000,318
2,000,563
346: 2,000,447
175— 21: 2,000,024
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30: 2,000,719
41.5: 2,000,686
183: 2,000,594
294: 2,000,767
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315: 2,000,793
338: 2,000,026
363: 2,000,180
66: 2,000,760
176— 122: 2,000,395
124: 2,000,908
177— 311: 2,000,502
314: 2,000,136
329: 2,000,258

177— 325: 2,000,691
344: 2,000,700
345: 2,000,674
346: 2,000,182
372: 2,000,817
384: 2,000,778
178— 4: 2,000,704
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6: 2,000,379
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2,000,694
13: 2,000,614
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31: 2,000,224
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63: 2,000,166
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10: 2,000,046
235— 3: 2,000,101
58: 2,000,218
92: 2,000,408
100: 2,000,323
236— 12: 2,000,319
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82: 2,000,730
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7.1: 2,000,743
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242— 55: 2,000,436
55.5: 2,000,432
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58: 2,000,253
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84.7: R. 19,559
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263— 30: 2,000,670
265— 1: 2,000,289
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265— 1: 2,000,289
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266— 38: 2,000,007
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68: 2,000,217
268— 63: 2,000,515
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270— 62: 2,000,062
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68: 2,000,636
271— 26: 2,000,261
68: 2,000,273
272— 60: 2,000,250
273— 1: 2,000,369
2: 2,000,123
73: 2,000,316
81: 2,000,295
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284— 5: 2,000,726
285— 7: 2,000,157
18: 2,000,346
86: 2,000,481
286— 9: 2,000,293
11: 2,000,341
288— 1: 2,000,349
289— 3: 2,000,504
290— 17: 2,000,786
40: 2,000,753
292— 169: 2,000,264
213: 2,000,245
266: 2,000,191
295— 36: 2,000,534
296— 16: 2,000,229
2,000,230
48: 2,000,561
84: 2,000,107
107: 2,000,626
297— 11: 2,000,204
12: 2,000,092
298— 63: 2,000,720
144: 2,000,792
301— 6: 2,000,573
12: 2,000,877
304— 34: 2,000,483
309— 21: 2,000,538
187: 2,000,561
309— 12: 2,000,106
28: 2,000,109
312— 44: 2,000,008
152: 2,000,401
2,000,402

U. S. GOVERNMENT PRINTING OFFICE: 1935

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A C Spark Plug Company, Flint, Mich. Oil filter renewal cartridges. Serial No. 362,247; May 14. Class 23.

Acker & Jablow, New York, N. Y. Silk and rayon piece goods. Serial No. 362,341; May 14. Class 42.

Allis Company, Portland, Maine. Almond cream lotion. Serial No. 363,026; May 14. Class 6.

Allurd, Leola, Chicago, Ill. Newspaper column. Serial No. 362,606; May 14. Class 38.

Allied Engineering Company, Chicago, Ill. Roller skates and wheels and repair parts therefor. Serial No. 363,419; May 14. Class 22.

Ambrose & Company, Denver, Colo., Wine. Serial No. 362,657; May 14. Class 47.

American Bituminis Company, Wilmington, Del., and San Francisco, Calif. Waterproof paper and cardboard. Serial No. 349,214; May 14. Class 12.

American Hospital Supply Corporation, Chicago, Ill. Surgical rubber goods, dressings, surgical instruments, etc. Serial No. 361,377; May 14. Class 44.

American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. Serial No. 363,420; May 14. Class 49.

American Zirconium Corporation, Baltimore, Md. Paint pigments. Serial No. 361,833; May 14. Class 16.

Andrews, Roger M., Menominee and Mackinac Island, Mich. Weekly newspaper. Serial No. 363,258; May 14. Class 38.

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Building cement. Serial No. 362,335; May 14. Class 12.

Ashley, Raymond E., doing business as Puff-O Game Co., Waban, Mass. Game. Serial No. 362,861; May 14. Class 22.

Baby Chick Company, Chicago, Ill. Annual publication. Serial No. 363,358; May 14. Class 38.

Bardstown Distillery, Inc., Bardstown, Ky. Whiskey. Serial No. 363,380; May 14. Class 49.

Benjamin Ansehl Company, The, St. Louis, Mo. Face powder. Serial No. 362,937; May 14. Class 6.

Bernard-Julian, Incorporated, Brooklyn, N. Y. Wines. Serial No. 362,453; May 14. Class 47.

Betzing, P. R., doing business as The Marco Products Company, Los Angeles, Calif. Hand tool for cleaning the pipes of plumbing and for training electric wire through conduits. Serial No. 358,624; May 14. Class 23.

Bilboro, Q. T., Asheville, N. C. Tonic. Serial No. 361,345; May 14. Class 6.

Blum, Phillip, & Co., Inc., Chicago, Ill. Whiskey. Serial Nos. 363,265–6; May 14. Class 49.

Bork, J. J., doing business as Dairy Chemical Company, Fort Dodge, Iowa. Ready mixed paint. Serial No. 362,060; May 14. Class 16.

Bowey's, Inc., Chicago, Ill. Orange concentrate for making soft drinks. 362,771; May 14. Class 45.

Brady, Frank C., doing business as Screene Amusement Company, Chicago, Ill. Stereoptican slides. Serial No. 362,164; May 14. Class 26.

Brandeis, J. L., & Sons, Omaha, Nebr. Ladies' hosiery. Serial No. 359,111; May 14. Class 39.

Brinkman, August C., doing business as Nevada Distributing Company, San Francisco, Calif. Whiskey. Serial Nos. 363,034–5; May 14. Class 49.

Buffalo Times, Inc., The, Buffalo, N. Y. Newspaper column. Serial No. 361,451; May 14. Class 38.

Burry Biscuit Corporation, Chicago, Ill. Cookies. Serial No. 359,119; May 14. Class 46.

Burton-Dixie Corporation, Chicago, Ill. Mattresses and pillows. Serial No. 363,152; May 14. Class 32

Burton-Dixie Corporation, Chicago, Ill., Cotton batts. Serial No. 363,153; May 14. Class 1.

Burton-Dixie Corporation, Chicago, Ill. Horse collar pads. Serial No. 363,154; May 14. Class 3.

California Wineries and Distilleries, Inc., Oakland, Calif. Wines. Serial No. 362,291; May 14. Class 47.

Capelle, Oliver B., Elkhart, Ind. Cartoons. Serial No. 363,268; May 14. Class 38.

Capital City Products Company, The, Columbus, Ohio. High moisture emulsified agent for cake mixtures. Serial No. 362,559; May 14. Class 46.

Carborundum Company, The, Niagara Falls, N. Y. Blocks adapted to provide or form combustion ports, recuperator blocks, regenerator blocks, etc. Serial No. 354,243; May 14. Class 12.

Carolina Dyeing & Winding, Inc., Mount Holly, N. C. Hosiery yarn. Serial No. 361,564; May 14. Class 43.

Castile Toiletries, Inc., New York, N. Y. Soaps. Serial No. 360,751; May 14. Class 4.

Cataract Chemical Company, Inc., Buffalo, N. Y. Shampoo. Serial No. 349,005; May 14. Class 6.

Central Perfumery & Supply Co., Inc., Astoria, Long Island City, N. Y. After shaving lotion. Serial No. 362,612; May 14. Class 6.

Century Distilling Co., Peoria, Ill. Whiskey. Serial No. 361,875; May 14. Class 49.

Chilton Company, Philadelphia, Pa. Periodical. Serial No. 362,802; May 14. Class 38.

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. Serial No. 358,359; May 14. Class 39.

Cincinnati Soap Company, The, Cincinnati, Ohio. Soap or soap flakes. Serial No. 361,725; May 14. Class 4.

Citrus Champagnes, Inc., Jacksonville, Fla. All types of still and sparkling wines. Serial No. 362,349; May 14. Class 47.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey, gin, brandy, etc. Serial No. 363,426; May 14. Class 49.

Clover Leaf Products Co., Los Angeles, Calif. Beer. Serial No. 357,713; May 14. Class 48.

Collegiate Manufacturing Co., Inc., New York, N. Y. Ladies' slips. Serial No. 361,668; May 14. Class 39.

Colonial Williamsburg, Inc., Williamsburg, Va. Descriptive booklets and printed matter. Serial No. 359,881; May 14. Class 38.

Compton & Sons Lithographing & Printing Company, St. Louis, Mo. Non-electric display signs. Serial No. 358,764; May 14. Class 50.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Conza, Michele, Summit, N. J. Antiseptic jelly. Serial No. 358,765; May 14. Class 6.

Corona Corporation of California, Los Angeles, Calif. Whiskey. Serial No. 362,945; May 14. Class 49.

Corona Corporation of California, Los Angeles, Calif. Whiskey. Serial Nos. 362,947–9; May 14. Class 49.

Corona Corporation of California, Los Angeles, Calif. Gin. Serial No. 362,950; May 14. Class 49.

Corona Corporation of California, Los Angeles, Calif. Whiskey. Serial No. 362,951; May 14. Class 49.

Costello, Weber, Co., Chicago Heights, Ill. Maps. Serial No. 362,642; May 14. Class 38.

Coty, Inc., Wilmington, Del. Soaps and shaving creams. Serial No. 363,091; May 14. Class 4.

Crane Co., Chicago, Ill. Magazine. Serial No. 363,273; May 14. Class 38.

Cross, Joe, Belington, W. Va. Insecticide for beetles, lice, ticks, etc. Serial No. 362,952; May 14. Class 6.

Crown Cork & Company, Inc., Baltimore, Md. Bottle closures. Serial No. 362,806; May 14. Class 50.

Dairy Chemical Company. (See Bork, J. J.)

De Trey, Emanuel, Zurich, Switzerland. Dental supplies. Serial No. 357,769; May 14. Class 44.

Deutsche Hydrierwerke, A.-G., Berlin-Charlottenburg, Germany. Waxes, industrial alcohols. Serial No. 355,298; May 14. Class 6.

Diehl Research Laboratories, Ltd., Los Angeles, Calif. Dry antiseptic powder. Serial No. 356,112; May 14. Class 6.

Dominion Distilleries, Inc., Jersey City, N. J. Liqueurs. Serial No. 361,729; May 14. Class 49.

Du Pont Rayon Company, Buffalo, N. Y. Viscose yarns, threads, and filaments. Serial No. 362,513; May 14. Class 43.

Eagle Clothes, New York, N. Y. Men's clothing. Serial No. 362,404; May 14. Class 39.

Economic Forum, Inc., New York, N. Y. Periodicals. Serial No. 362,774; May 14. Class 38.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. Serial No. 361,082; May 14. Class 39.

Edison-Splitdorf Corporation, West Orange, N. J. Electrical ignition devices. Serial No. 363,210; May 14. Class 21.

Ellena Bros., Cucamonga and Etiwanda, Calif. Gin, brandy, and whiskey. Serial No. 363,277; May 14. Class 49.

El Rey Products Co., Los Angeles, Calif. Asphalt roof paint. Serial No. 361,521; May 14. Class 16.

Essential Products Corp., Chicago, Ill. Mineral crystals. Serial No. 362,562; May 14. Class 6.

Essley Shirt Company, Inc., New York, N. Y. Shirts. Serial No. 362,075; May 14. Class 39.

Famous-Barr Company. (See May Department Stores Company, The.)

Fayallyn Dress Shop, Chicago, Ill. Outerwearing apparel. Serial No. 348,162; May 14. Class 39.

Federal Enameling & Stamping Company, McKees Rocks, Pa. Utensils formed of enameled base metal. Serial No. 363,212; May 14. Class 13.

Fem Co, Inc., New York, N. Y. Medicinal and pharmaceutical preparations. Serial No. 357,427; May 14. Class 6.

Fenwicke Corporation, New York, N. Y. Mouth wash. Serial No. 359,654; May 14. Class 6.

Ferro Enamel Corporation, Cleveland, Ohio. Enamel furnaces, burning bars, burning pins, and pin racks. Serial No. 362,407; May 14. Class 34.

Foodland, Inc., Cleveland, Ohio. Canned salmon, canned fruits, and vegetables, etc. Serial No. 361,572; May 14. Class 46.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Foster & Wood Canning Company, Lodi, Calif. Canned fruits, canned vegetables. Serial No. 362,958; May 14. Class 46.

Freedman-Roedelheim Company, Philadelphia, Pa. Men's outer shirts. Serial No. 362,358; May 14. Class 39.

Friedman, J., & Co., Inc., New York, N. Y. Men's and young men's overcoats and topcoats. Serial No. 362,468; May 14. Class 39.

General and Marine Laboratory, Crisfield, Md. Preparation for the treatment of burns from X-rays, etc. Serial No. 362,819; May 14. Class 6.

General Desserts Corporation, New York, N. Y. Maltless powder for making soft drinks. Serial No. 363,096; May 14. Class 45.

General Belt Products, Inc., New York and Brooklyn, N. Y. Liners for receptacle closures. Serial No. 360,029; May 14. Class 50.

General Foods Corporation, New York, N. Y. Publication. Serial No. 361,264; May 14. Class 38.

Given, Albert, Manufacturing Company, East Chicago, Ind. Men's and boys' trousers. Serial No. 359,991; May 14. Class 39.

Glenner, Francis R., doing business as Homogeneous Equipment Company, Downingtown, Pa. Linings of tin, lead, or the like. Serial No. 362,311; May 14. Class 14.

Gold and Company, Lincoln, Nebr. Hosiery. Serial No. 362,822; May 14. Class 39.

Goldberger, Leo J., doing business as L. Wohl & Co., New York, N. Y. Children's and misses' clothing. Serial No. 362,470; May 14. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial No. 358,288; May 14. Class 35.

Gounah, Elizabeth, doing business as Gounah Company, Houston, Tex. Prophylactic rubber articles. Serial No. 363,147; May 14. Class 44.

Greenwood, Chester, doing business as Chester Greenwood & Company, Farmington, Maine. Ear protectors. Serial No. 361,741; May 14. Class 39.

Griswold Manufacturing Company, The, Erie, Pa. Skillets, griddles and steak platters. Serial No. 362,568; May 14. Class 13.

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes and toilet water. Serial No. 361,962; May 14. Class 6.

Hagler, Sam, doing business as Rocky Ford Laboratories, New York, N. Y. Hair tonic, hair dressing, cold cream, etc. Serial No. 358,675; May 14. Class 6.

Hambro, Oscar H., Boston, Mass. Skis and ski outfits. Serial No. 362,680; May 14. Class 22.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Acid-proof brick. Serial No. 356,344; May 14. Class 12.

Hasbrouck, John E. R., New York, N. Y. Chewing gum. Serial No. 358,620; May 14. Class 46.

Hasco Trading Corporation, New York, N. Y. Rum. Serial No. 363,097–8; May 14. Class 49.

Hayward Hosiery Company, Ipswich, Mass. Ladies' hosiery. Serial No. 361,747; May 14. Class 39.

Henderson Brothers Corporation, Johnstown, Pa. Shoe dressing and polish. Serial No. 362,681; May 14. Class 4.

Henze-Martin Publishing Company, The, Cleveland, Ohio. Publication. Serial No. 363,365; May 14. Class 38.

Hilger, Adam, Limited, London, England. Glassware (not graduated) for scientific use. Serial No. 359,347; May 14. Class 26.

Holeproof Hosiery Co., Milwaukee, Wis. Underwear for women. Serial No. 361,357; May 14. Class 39.

Holly Hill Fruit Products, Incorporated, Davenport, Fla. Canned grapefruit, canned grapefruit juice and fresh citrus fruits. Serial No. 363,326; May 14. Class 46.

Home Products Co. (See Walters, John H.)

Homogeneous Equipment Company. (See Glenner, Francis R.)

Hookless Fastener Company, Meadville, Pa. Slide fasteners. Serial No. 362,362; May 14. Class 13.

Indian River Associates, Inc., Vero Beach, Fla. Fresh citrus fruits. Serial No. 363,285; May 14. Class 46.

International Reduction Corporation, Chicago, Ill. Fertilizers. Serial No. 363,168; May 14. Class 10.

International Wine Cellars, Inc., New York, N. Y. Whiskey. Serial No. 362,685; May 14. Class 49.

Irvax Laboratories. (See Sharps, Max Wm.)

Israel, Jack, Inc., New York, N. Y. Ladies' handbags. Serial No. 362,686; May 14. Class 3.

Jackman, F. H., Co., Boston, Mass. Whiskey. Serial No. 363,396; May 14. Class 49.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's clothing. Serial No. 362,259; May 14. Class 39.

Kepner, C. D., Leather Company, Boston, Mass. Leather. Serial No. 363,172; May 14. Class 1.

Kiewit, Frederick P., doing business as Vita Cereal Company, Kansas City, Mo. Breakfast cereal. Serial No. 362,689; May 14. Class 46.

King Distributing Company, Jacksonville, Fla. Whiskey and gin. Serial No. 362,999; May 14. Class 49.

Lederman, Alfred, New York, N. Y. Hair rinse. Serial No. 346,582; May 14. Class 6.

Lees, James, & Sons Company, Bridgeport, Pa. Yarns. Serial Nos. 362,580–1; May 14. Class 43.

Lees, James, & Sons Company, Bridgeport, Pa. Yarns. Serial No. 362,583; May 14. Class 43.

Leggett, Francis H., & Company, New York, N. Y. Vegetable consomme. Serial No. 363,252; May 14. Class 46.

Lewis, Herbert R., Homewood, Ill. Painted pictures and publications. Serial No. 356,810; May 14. Class 38.

Lion Brewery of New York City, New York, N. Y. Beers and ales. Serial No. 361,426; May 14. Class 48.

Liska, Rudolph, doing business as R. Liska & Sons, Chicago, Ill. Whiskies. Serial No. 363,107; May 14. Class 49.

Louisville Wall Paper Company, Louisville, Ky. Wall paper. Serial No. 363,333; May 14. Class 37.

Lyon, Charles E., Jr., doing business as Lyon Laboratories, Winterset, Iowa. Ointment for athlete's foot, etc. Serial No. 358,142; May 14. Class 6.

Majestic Distilling Company, Baltimore, Md. Whiskey, rum, gin, etc. Serial No. 363,092; May 14. Class 49.

Man Store, The. (See Zagelr, Coleman.)

Mann, Rayford A., Chicago, Ill. Periodical. Serial No 361,100; May 14. Class 38.

Marco Products Company, The. (See Betzing, P. R.)

May Department Stores Company, The, doing business as The May Company, Famous-Barr Company, and M. O'Neil Company, Baltimore, Md., Cleveland, Ohio, Denver, Colo., Los Angeles, Calif., St. Louis, Mo., and Akron, Ohio. Ladies' leather and fabric handbags. Serial No. 362,746; May 14. Class 3.

Mayfair Yarncraft. (See Osborne, Glenn E.)

Mazetta, Frank, Grantwood, N. J. Table board games Serial No. 348,507; May 14. Class 22.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Whiskey. Serial No. 363,006; May 14 Class 49.

McLoughlin Bros., Inc., Springfield, Mass. Series of books. Serial No. 363,178; May 14. Class 38.

McPartland, Andrew J., New Haven, Conn. Lubricating oils and gasoline. Serial No. 362,337; May 14. Class 15.

McPartland, Andrew J., New Haven, Conn. Electric storage batteries. Serial No. 362,338; May 14. Class 21.

Mell-Ex Company. (See Mellor, John.)

Mellor, John, doing business as Mell-Ex Company, Harrisburg, Pa. Salve. Serial No. 362,372; May 14. Class 6.

Merrill Woodenware Company, Merrill, Wis. Tooth picks Serial No. 363,289; May 14. Class 44.

Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Medicinal and chemical preparations. Serial No. 360,102; May 14. Class 6.

Midwest Radio Corporation, Cincinnati, Ohio. Radio receiving sets, loud speakers, etc. Serial No. 362,835; May 14. Class 21.

Minute Products Co. (See Williams, Celine.)

Montana Flour Mills Co., Great Falls, Mont. Stock feed. Serial No. 362,522; May 14. Class 46.

Mt. Vernon Vineyards, Inc., Alexandria, Va. Wines. Serial No. 362,785; May 14. Class 47.

Movie-Jecktor Company, Inc., New York, N. Y. Motion picture projectors equipped with phonographic sound reproducing means. Serial No. 361,039; May 14. Class 26.

Narragansett Brewing Company, The, Cranston, R. I. Malt beverages. Serial No. 360,235; May 14. Class 48.

Narragansett Brewing Company, The, Cranston, R. I. Malt beverages. Serial No. 360,322; May 14. Class 48.

National NuGrape Co., Atlanta, Ga. Maltless beverages, syrups, extracts, etc. Serial No. 363,436; May 14. Class 45.

Naumkeag Steam Cotton Co., Salem, Mass. Sheeting, sheets and pillow cases. Serial No. 361,980; May 14. Class 42.

Navar Fish & Oyster Co., Inc., Biloxi, Miss. Canned shrimp and canned oysters. Serial No. 362,371; May 14. Class 46.

Neurad, Adolph, New York, N. Y. Whiskey, gin, rum, etc. Serial No. 363,514; May 14. Class 49.

Nevada Distributing Company. (See Brinkman, August C.)

Newman, Hardy, & Co., Chicago, Ill. Prophylactic rubber articles. Serial Nos. 362,227–8; May 14. Class 44.

Newmarket Leather Co., Inc., New York, N. Y. Leather for shoe uppers. Serial No. 361,366; May 14. Class 1.

Nudell Manufacturing Company, Inc., Chicago, Ill. Ready mixed paints or varnishes. Serial No. 362,320; May 14. Class 16.

Odora Company, Inc., New York, N. Y. Paper garment bags. Serial No. 362,837; May 14. Class 2.

Olympia Knitting Mills, Inc., Olympia, Wash. Swimming trunks. Serial No. 362 267; May 14. Class 39.

O'Neil, M., Company. (See May Department Stores Company, The.)

Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Threads and yarns. Serial No. 361,984; May 14. Class 43.

Palmer, Arthur J., New York, N. Y. Books, booklets, maps, etc. Serial No. 356,490; May 14. Class 38.

Parafluid Gesellschaft m. b. H., Hamburg, Germany. Pharmaceutical drugs and preparations. Serial No. 355,075; May 14. Class 4.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Parafluid Gesellschaft m. b. H., Hamburg, Germany. Pharmaceutical petroleum oils and petroleum jelly. Serial No. 355,076; May 14. Class 6.

Paterson Milk & Cream Co, Inc., Paterson, N. J. Chocolate food drink. Serial No. 362,751; May 14. Class 46.

Pearce, H. B., doing business as Ronko Products Co., Selma, N. C. Medicinal preparation. Serial No. 362,443; May 14. Class 6.

Peller, Max, doing business as Rheinberg & Co., Kellerei Schloss Rheinberg, Wiesbaden-Schierstein, Germany. Sparkling wines and other wines. Serial No. 358,789; May 14. Class 47.

Pender, David, Grocery Company, Norfolk, Va. Waxed paper sheets and rolls. Serial No. 362,379; May 14. Class 37.

Pepper, Dr., Bottling Co. of Tampa, Fla., Tampa, Fla. Ginger ale, carbonated beverages, and carbonated water. Serial No. 363,292; May 14. Class 45.

Perfect Circle Company, The, Hagerstown, Ind. Metal piston rings. Serial No. 358,037; May 14.

Peter Pan Dress Company, Inc., New York, N. Y. Dresses. Serial No. 360,485; May 14. Class 39.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Hair tonic. Serial No. 362,381; May 14. Class 6.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial Nos. 363,339–42; May 14. Class 49.

Provincial Distilleries Ltd. Inc., Brooklyn, N. Y. Scotch whiskey. Serial No. 358,331; May 14. Class 49.

Puff-O Game Co. (See Ashley, Raymond E.)

Randolph-Lowell Company, New York, N. Y. Sedative to aid sleep. Serial No. 362,840; May 14. Class 6.

Rheinberg & Co., Kellerei Schloss Rheinberg. (See Peller, Max.)

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Lemon juice drink and syrup for making the same. Serial No. 362,237; May 14. Class 45.

Robertson, J. T., Co., Inc., The, Syracuse, N. Y. Soaps and toilet soaps. Serial No. 361,776; May 14. Class 4.

Rocky Ford Laboratories. (See Hagler, Sam.)

Roger & Gallet, New York, N. Y. Perfumes, toilet waters, face and toilet powders, etc. Serial No. 362,326; May 14. Class 6.

Ronko Products Co. (See Pearce, H. B.)

Rosenau Bros., Inc., Philadelphia, Pa. Children's dresses, rompers and playsuits. Serial No. 362,630; May 14. Class 39.

Rosenblum and McClung, Roanoke, Va. Sanitary disposable diapers. Serial No. 363,120; May 14. Class 44.

Rothenberg & Schloss Cigar Co., Kansas City, Mo. Stogies. Serial No. 361,695; May 14. Class 17.

San Gabriel Vineyard Company, San Gabriel, Calif. Wine. Serial No. 362,442; May 14. Class 47.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 362,488; May 14. Class 39.

Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. Serial Nos. 356,543–4; May 14. Class 46.

Screeno Amusement Company. (See Brady, Frank C.)

Sharps, Max Wm., doing business as Irvax Laboratories, Chicago, Ill. Cough syrup, cascara quinine, and black draught. Serial No. 361,030; May 14. Class 6.

Shrage & Pines, New York, N. Y. Boys' and men's pajamas. Serial No. 362,755; May 14. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. Serial No. 362,638; May 14. Class 39.

Siegel, M. S., & Company, Inc., New York, N. Y. Ladies' undergarments. Serial No. 361,224; May 14. Class 39.

Snow, Louis T., & Company, San Francisco, Calif. Canned vegetables. Serial No. 363,235; May 14. Class 46.

Società per Industria Generi Alimentari "Spigo" Società Anonima, The, Genoa, Italy. Wines. Serial No. 352,332; May 14. Class 47.

Stanley, John T., Co., Inc., New York, N. Y. Soap. Serial No. 359,187; May 14. Class 4.

Star Beverage Company, The, Minster, Ohio. Beer and ale. Serial No. 363,441; May 14. Class 48.

Strickland, William P., Chicago, Ill. Bicycle locks. Serial No. 362,848; May 14. Class 25.

Stroschein, J. E., Chemische Fabrik Kommanditgesellschaft, Berlin, Germany. Medicinal, dietetic, and pharmaceutical preparations of cod-liver oil and oil emulsions. Serial No. 359,328; May 14. Class 6.

Sun Ray Yarn Co. Inc., New York, N. Y. Threads and yarns. Serial No. 361,487; May 14. Class 43.

Takamine Corporation, New York, N. Y. Preparation used as a hypodermic or intravenous injection. Serial No. 361,339; May 14. Class 6.

Tattoo, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 362,385; May 14. Class 6.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 363,127; May 14. Class 17.

Thanhardt-Burger Corporation, The, La Porte, Ind. Pictures and paintings. Serial No. 362,885; May 14. Class 38.

Transparent Package Company, Chicago, Ill. Sausage cases. Serial No. 363,243; May 14. Class 2.

United States Rubber Products, Inc., New York, N. Y. Tires. Serial No. 362,153; May 14. Class 35.

United States Rubber Products, Inc., New York, N. Y. Tires and rubber inner tubes therefor. Serial No. 362,154; May 14. Class 35.

Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 354,416; May 14. Class 6.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Coal ranges, coal heating stoves, oil ranges, etc. Serial No. 362,496; May 14. Class 34.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Enamel tenkettles, preserving kettles, dish pans, etc. Serial No. 362,498; May 14. Class 13.

Vita Cereal Company. (See Kiewit, Frederick P.)

Vivaudou, Victor, Los Angeles, Calif. Astringents, astringent cerates, bleach creams, etc. Serial No. 350,118; May 14. Class 6.

Wade Laboratories. (See Watkins, J. R., Company, The.)

Wagner-Feller & Co., New York, N. Y. Dyed fur. Serial No. 362,604; May 14. Class 1.

Walters, John H., doing business as Home Products Co., Kansas City, Mo. Powder for making soft drinks. Serial No. 362,331; May 14. Class 45.

Watkins, J. R., Company, The, doing business as Wade Laboratories, Newark, N. J. Astringents, astringent cerates, bleach creams, etc. Serial No. 362,543; May 14. Class 6.

Waukesha Waters, Inc., Chicago, Ill. Natural mineral water. Serial No. 363,192; May 14. Class 45.

Willemin, Dr. Pierre M., Alameda, Calif. Playing cards. Serial No. 362,756; May 14. Class 22.

Willemin, Dr. Pierre M., Alameda, Calif. Playing cards. Serial No. 362,895; May 14. Class 22.

Williams, Celine, doing business as Minute Products Co., New York, N. Y. Salve for colds, etc., and liniment for rheumatic pains and strains. Serial No. 357,073; May 14. Class 6.

Williams, R. C., & Company, Inc., New York, N. Y. Whiskey and gin. Serial No. 363,133; May 14. Class 49.

Wise, Earl Y., doing business as The Wise Delicatessen Company, Berwick, Pa. Potato chips. Serial No. 362,545; May 14. Class 46.

Wohl, L., & Co. (See Goldberger, Leo J.)

Wolf, Louis, & Co., Inc., New York, N. Y. Dolls, toys, and novelties. Serial No. 360,871; May 14. Class 22.

Yorkshire Distillers, Inc., The, Amston, Conn. Gin. Serial No. 363,352; May 14. Class 49.

Zagelr, Coleman, doing business as The Man Store, Asheville, N. C. Men's suits, overcoats, and topcoats. Serial No. 361,655; May 14. Class 39.

Zahn, Chas. A., Co., Chicago, Ill. Whiskey. Serial No. 363,250; May 14. Class 49.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Haldens Skotoifabrik, Halden, Norway. Shoes. 324,310; May 14; Serial No. 356,431; published Mar. 5, 1935. Class 39.

Aberle, H. C., Co., Philadelphia, Pa. Hosiery. 324,392; May 14. Class 39.

Acheson Manufacturing Company, Rankin, Pa. Exercising apparatus. 324,382; May 14. Class 22.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 324,106–8; May 14; Serial Nos. 357,935–7; published Feb. 5, 1935. Class 39.

Airolite Company, The. (See Ventilouvre Co., The, assignor.)

American Chemical Paint Company, Philadelphia, Pa., to American Chemical Paint Company, Ambler, Pa. Liquid chemical solution for removing rust and grease from metal surfaces. 104,434; renewed June 1, 1935.

American Cover Corporation, St. Louis, Mo. Seat pads and covers. 324,168–69; May 14; Serial Nos. 360,387–8; published Mar. 5, 1935. Class 32.

American Cover Corporation, St. Louis, Mo. Seat pads and covers. 324,170–2; May 14; Serial Nos. 360,334–6; published Mar. 5, 1935. Class 32.

American Nickeloid Company, Peru, Ill. Sheet and coil metals made of zinc, copper, etc. 324,381; May 14. Class 14.

American Oil Company, The, Baltimore, Md. Gasoline, and lubricating oils and greases. 324,369; May 14; Serial No. 359,883; published Mar. 5, 1935. Class 15.

American Type Founders Sales Corporation, Jersey City, N. J. Printing presses. 324,342; May 14; Serial No. 355,695; published Mar. 5, 1935. Class 23.

American Yvette Company, Inc., New York, N. Y. Hair goods. 324,122; May 14; Serial No. 358,544; published Feb. 5, 1935. Class 40.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps and openers therefor. 324,228; May 14; Serial No. 359,107; published Feb. 5, 1935. Class 50.

Arden, Elizabeth, Inc., New York, N. Y. Hair bandeaux. 324,096; May 14; Serial No. 357,703; published Jan. 1, 1935. Class 40.

Arechabala, Jose, S. A., Cardenas, Cuba. Ethyl alcohol, rums, brandies, etc. 324,384–5; May 14. Class 49.

Armstrong Cork & Insulation Company, Lancaster, Pa. Gaskets, washers and packing of cork, and cork or cork composition in the sheet. 324,249; May 14; Serial No. 359,340; published Mar 5. Class 35.

Armstrong Cork & Insulation Company, Lancaster, Pa. Box toes for shoes. 342,362; May 14; Serial No. 347,778; published Mar. 5, 1935. Class 39.

Art-Craft Optical Co., Inc., Rochester, N. Y. Optical goods. 324,387; May 14. Class 26.

Asplin, Wm. E., Cleveland, Ohio. Trees and shrubbery. 324,321; May 14; Serial No. 359,979; published Feb. 26, 1935. Class 1.

Associated Merchandising Corporation, New York, N. Y. Women's, misses', and children's articles of clothing. 324,13[illegible]; May 14; Serial No. 360,021; published Mar. 5, 1935. Class 39.

Athol Manufacturing Company, Athol, Mass. Paper, more particularly a rubber impregnated pyroxylin coated paper adapted for use as an artificial leather. 324,105; May 14; Serial No. 357,850; published Mar. 5, 1935. Class 50.

Augusta Knitting Corporation, Utica, N. Y. Union suits, two piece undergarments, and bathing suits. 324,399; May 14. Class 39.

Bamberger, L. & Co., Newark, N. J. Radio receiving sets and radio tubes. 324,300; May 14; Serial No. 360,520; published Mar. 5, 1935. Class 21.

Bashkes, Hyman, doing business as Triangle Shoe Co., assignor to Foot Form Shoe Shops, Inc., New York, N. Y. Shoes. 324,351; May 14; Serial No. 342,824; published Apr. 10, 1934. Class 39.

Bay Roma Company, Inc. (See Wright, David E.)

Beck, Koller & Co., Inc., Detroit, Mich. Synthetic oil for use in paints, varnishes and the like. 324,190; May 14; Serial No. 360,201; published Feb. 19, 1935. Class 16.

Becker's Bakery. (See Woodworth, Thomas W.)

Benz, George, Sons, Inc., St. Paul, Minn. Whiskey. 324,287; May 14; Serial No. 359,619; published Mar. 5, 1935. Class 49.

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 324,39[illegible]; May 14. Class 39.

Berry Seed Company, Clarinda, Iowa. Field seeds. 324,246; May 14; Serial No. 359,384; published Mar. 5, 1935. Class 1.

Best-Clymer Mfg. Co., St. Louis, Mo., to Preserves & Honey, Inc., New York, N. Y., successor. Fruit preserves. 96,393; renewed Apr. 21, 1934.

Best & Co., Inc., New York, N. Y. Hats. 324,109; May 14; Serial No. 357,940; published Jan. 15, 1935. Class 39.

Billups, Cecil, to C. Billups, Son & Co., Inc., Norfolk, Va., successor. Plows, mold-boards, landsides, etc. 103,805–6; renewed Apr. 13, 1935.

Billups, Cecil, to C. Billups, Son & Co., Inc., Norfolk, Va., successor. Plows, moldboards, landsides, etc. 103,840; renewed Apr. 13, 1935.

Billups, Cecil, to C. Billups, Son & Co., Inc., Norfolk, Va., successor. Plows, moldboards, landsides, etc. 105,525; renewed Aug. 3, 1935.

Billups, Cecil, to C. Billups, Son & Co., Inc., Norfolk, Va., successor. Plows, moldboards, landsides, etc. 105,970; renewed Sept. 7, 1935.

Blackhawk Mfg. Co., Milwaukee, Wis. Metal straightening machines and parts thereof. 324,320; May 14; Serial No. 359,083; published Mar. 5, 1935. Class 23.

Block, David J., Chicago, Ill. Adhesive textile patch. 324,245; May 14; Serial No. 359,385; published Mar. 5, 1935. Class 5.

Bomberger Seed Company, Ltd., Berkeley, Calif. Flower and vegetable seeds. 324,220; May 14; Serial No. 359,199; published Mar. 5, 1935. Class 1.

Boston Shoe Company. (See Smith, Jack.)

Botany Worsted Mills, Passaic, N. J. Fabrics of wool, cotton, etc. 324,200; May 14; Serial No. 358,667; published Feb. 19, 1935. Class 42.

Brooklyn Overall Co., Brooklyn, N. Y. Wearing apparel. 324,39[illegible]; May 14. Class 39.

Brooklyn Shield & Rubber Co., New York, by change of name to Rand Rubber Company, Inc., Brooklyn, N. Y. Dress-shields. 103,151; renewed Mar. 16, 1935.

Broom & Newman, New York, N. Y. Shirts, pajamas, and shorts. 324,265; May 14; Serial No. 353,854; published Feb. 19, 1935. Class 39.

Brown, Clarence S., & Company, Inc., New York, N. Y. Cotton and mixed cotton, silk, wool, and rayon fabrics in the piece. 324,213; May 14; Serial No. 359,294; published Mar. 5, 1935. Class 42.

Brunswig Drug Co., Los Angeles, Calif. Whiskey. 324,15[illegible]; May 14; Serial No. 360,456; published Mar. 5, 1935. Class 49.

Burrows Company, The, Chicago, Ill. General medical and surgical appliances. 324,118; May 14; Serial No. 358,469; published Mar. 5, 1935. Class 44.

Buswell, C. E., & Company Limited, London, England. Port, sherry, etc., wines. 324,376; May 14; Serial No. 359,739; published Mar. 5, 1935. Class 47.

California Fruit Products Co., Inc., New York, N. Y. Syrups, fruit juices, and extracts for flavoring alcoholic liquors. 324,236; May 14; Serial No. 351,292; published Mar. 5, 1935. Class 49.

Calvet, J., & Cie., S. A. R. L., Bordeaux, France. Wines. 324,359; May 14; Serial No. 346,677; published Mar. 5, 1935. Class 47.

Campany, Elmer, Croghan, N. Y. Bologna, and similar sausage products. 324,388; May 14. Class 46.

Canava Cigar Company, The, Chicago, Ill. Cigars. 324,146; May 14; Serial No. 358,174; published Mar. 5, 1935. Class 17.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillowcases. 324,276; May 14; Serial No. 356,996; published Jan. 22, 1935. Class 42.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillowcases. 324,277; May 14; Serial No. 356,995; published Jan. 1, 1935. Class 42.

Cannon Shoe Company, Baltimore, Md. Leather shoes. 324,280; May 14; Serial No. 356,897; published Jan. 1, 1935. Class 39.

Carr, Isaac, & Company Limited, Twerton-on-Avon, England. Men's woolen overcoating cloths. 324,239; May 14; Serial No. 350,886; published Jan. 8, 1935. Class 42.

Celanese Corporation of America, New York, N. Y. Underwear. 324,378; May 14. Class 39.

Charnaux Patent Corset Company Limited, The, London, England. Brassières and bust bodices. 324,140; May 14; Serial No. 358,008; published Jan. 15, 1935. Class 39.

Chatham Manufacturing Company, Winston Salem, N. C. Blanket bindings. 324,123; May 14; Serial No. 358,549; published Feb. 5, 1935. Class 40.

Chemical Construction Company, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y. Acid-proof construction-cements. 105,784; renewed Aug. 17, 1935.

Chicago Dryer Co., Chicago, Ill. Ironing-machines, washing-machines, ironing-boards, etc. 103,1[illegible]; renewed Mar. 23, 1935.

Chicago Dryer Co., Chicago, Ill. Gas, coal, wood, and oil stoves. 103,582; renewed Apr. 6, 1935.

Childs Company, New York, N. Y. Whiskey, etc. 324,356; May 14; Serial No. 346,106; published Mar. 5, 1935. Class 49.

Childs Company, New York, N. Y. Wines. 324,357; May 14; Serial No. 346,107; published Mar. 5, 1935. Class 47.

Cincinnati Advertising Products Company, The, Cincinnati, Ohio. Glass tiles. 324,167; May 14; Serial No. 360,344; published Mar. 5, 1935. Class 12.

Cleo Costume Co., Inc., New York, N. Y. Ladies' dresses and jackets. 324,132; May 14; Serial No. 360,026; published Feb. 26, 1935. Class 39.

Colcombet Francois & Cie Société Anonyme, Etienne, France. Textile fabrics in the piece made of silk. 324,340; May 14; Serial No. 355,094; published Mar. 5, 1935. Class 42.

Cold Spring Bleachery, Yardley, Pa. Cotton and/or rayon textile fabrics. 324,233; May 14; Serial No. 352,031; published Jan. 8, 1935. Class 42.

Colt-Worthington Oil Works, Inc., Garden City, N. Y. Lubricating oils. 324,324–6; May 14; Serial Nos. 359,904–6; published Mar. 5, 1935. Class 15.

Columbia Orange Kist Bottling Company. (See Griffin, Calvin D.)

Columbian Rope Company, Auburn, N. Y. Vegetable fibre twine. 324,403; May 14. Class 7.

Conover Knitting Company, Conover, N. C. Men's hose. 324,370; May 14; Serial No. 359,847; published Feb. 19, 1935. Class 39.

Conron, Inc., Peoria, Ill. Whiskey. 324,272–3; May 14; Serial Nos. 360,464–5; published Mar. 5, 1935. Class 49.

Conron, Inc., Peoria, Ill. Gin. 324,274–5; May 14; Serial Nos. 360,462–3; published Mar. 5, 1935. Class 49.

Conron, Inc., Peoria, Ill. Whiskey. 324,306; May 14; Serial No. 360,466; published Mar. 5, 1935. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 324,103; May 14; Serial No. 360,401; published Mar. 5, 1935. Class 49.

Crane & Co., assignor to Crane & Co., Inc., Dalton, Mass. Writing-paper. 104,046–9; renewed Apr. 27, 1935.

Crawford Manufacturing Co., Inc., Richmond, Va. Awning fabrics and canvas goods. 324,286; May 14; Serial No. 359,651; published Mar. 5, 1935. Class 42.

Crawford Manufacturing Co., Inc., Richmond, Va. Outer garments. 324,315; May 14; Serial No. 356,216; published Feb. 26, 1935. Class 39.

David, John, New York, N. Y. Socks, men's union suits, shirts, etc. 324,124; May 14; Serial No. 358,584; published Feb. 19, 1935. Class 39.

De Beer, Jacob, Johnstown, assignor to J. de Beer & Son, Albany, N. Y. Base-balls, playground and indoor balls. 105,186; renewed July 13, 1935.

De Beer, Jacob, Johnstown, assignor to J. de Beer & Son, Albany, N. Y. Baseballs. 105,642; renewed Aug. 10, 1935.

Deerfoot Farms Company, Southborough, Mass. Sausages. 324,331; May 14; Serial No. 359,575; published Mar. 5, 1935. Class 46.

Dennis, C. E., Martinsburg, W. Va. Water cress. 324,299; May 14; Serial No. 360,528; published Mar. 5, 1935. Class 46.

Detroit Stove Works, by change of name to Detroit-Michigan Stove Company, Detroit, Mich. Electrical apparatus and supplies. 105,528; renewed Aug. 3, 1935.

Deutsch, Max, New York, N. Y. Shoes. 324,096; May 14; Serial No. 357,592; published Jan. 15, 1935. Class 39.

Diamond Knitting Mills. (See Effenberg, Louis.)

Diana Shoe Corp., New York, N. Y. Ladies' shoes. 324,145; May 14; Serial No. 358,172; published Feb. 19, 1935. Class 39.

Dille, John F., Chicago, Ill. Candy and a food in powdered form. 324,250; May 14; Serial No. 355,463; published Mar. 5, 1935. Class 46.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes for women. 324,258; May 14; Serial No. 354,349; published Jan. 8, 1935. Class 39.

Effenberg, Louis, doing business as Diamond Knitting Mills, Philadelphia, Pa. Neckties and sweaters. 324,237; May 14; Serial No. 350,941; published Feb. 12, 1935. Class 39.

El Dorado Refining Company, The, El Dorado, Kans. Gasoline. 324,366; May 14; Serial No. 328,595; published Feb. 26, 1935. Class 15.

Empire Imports, The, New York, N. Y. Dresses, skirts, hats, etc. 324,148; May 14; Serial No. 358,241; published Jan. 15, 1935. Class 39.

Euro Shirt Co., Incorporated, The, Louisville, Ky. Shirts, pajamas, and underwear. 324,339; May 14; Serial No. 359,428; published Feb. 19, 1935. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. 324,383; May 14. Class 22.

Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Piece goods. 324,151; May 14; Serial No. 358,364; published Jan. 29, 1935. Class 42.

Esmond Mills, The, New York, N. Y. Blankets. 324,290; May 14; Serial No. 359,577; published Feb. 26, 1935. Class 42.

Famous-Barr Co. (See May Department Stores Company, The.)

Famous-Sternberg Inc., New Orleans, La. Men's and boys' suits. 324,375; May 14; Serial No. 359,742; published Feb. 26, 1935. Class 39.

Farcira, M. Barker, assignor to Samuel P. Steckler, New York, N. Y. Hair-tonic. 103,024; renewed Mar. 16, 1935.

Fargo, Stephen, Cleveland, Ohio. Preparation for use in the treatment of certain named ailments. 102,745; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Remedy for constipation. 102,746; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Remedy for laxative purposes and for purifying the blood. 102,747; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Liniment. 102,748; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Remedy for the various affections of the lungs and throat. 102,749; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Liquid medicinal compound. 102,750; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Remedy for certain named ailments. 102,751; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Medicinal compound for internal use. 102,752; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Ointment for the treatment of all itchiness of the skin. 102,753; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Toilet soaps. 102,754; renewed Feb. 23, 1935.

Fargo, Stephen, Cleveland, Ohio. Liniment. 103,559; renewed Apr. 6, 1935.

Farzo, Stephen, Cleveland, Ohio. Toilet cream. 103,851; renewed Apr. 20, 1935.

Fargo, Stephen, Cleveland, Ohio. Hair invigorator and remedy for the scalp, dandruff, and falling hair. 103,852; renewed Apr. 20, 1935.

Farzo, Stephen, Cleveland, Ohio. Remedy for the treatment of certain named affections. 104,717; renewed June 15, 1935.

Farm Service Stores, Inc., Minneapolis, Minn. Seeds. 324,166; May 14; Serial No. 360,348; published Mar. 5, 1935. Class 1.

Felsen Inc., East St. Louis, Ill. Whiskey, gin, rum, etc. 324,294; May 14; Serial No. 360,630; published Mar. 5, 1935. Class 49.

Ferro Enamel Corporation, Cleveland, Ohio. Enamel frit and purified clay. 324,350; May 14; Serial No. 356,874; published Mar. 5, 1935. Class 1.

Fisher, Ham, New York, N. Y. Knitted sweaters, baseball and track uniforms, etc. 324,212; May 14; Serial No. 359,302; published Mar. 5, 1935. Class 39.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Vehicle tires. 324,162; May 14; Serial No. 360,409; published Mar. 5, 1935. Class 35.

Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing-gum and candy. 104,506; renewed June 1, 1935.

Fletcher & Wilson Coffee Co., assignor to Fletcher-Wilson Coffee Co., Nashville, Tenn. Peanuts and peanut-butter. 104,609; renewed June 8, 1935.

Florida Fruit Canners, Inc., Frostproof, Fla. Grapefruit juice and blended orange and grapefruit juice. 324,215; May 14; Serial No. 359,273; published Mar. 5, 1935. Class 46.

Florida Fruit Canners, Inc., Frostproof, Fla. Grapefruit juice and blended orange and grapefruit juice. 324,395; May 14. Class 46.

Foot Form Shoe Shops, Inc. (See Bashkes, Hyman, assignor.)

Freedman, A., & Sons, Inc., Brockton, Mass. Shoes. 321,114; May 14; Serial No. 358,432; published Feb. 5, 1935. Class 39.

Freydberg Philadelphia Pad and Binding Company, Inc., Philadelphia, Pa. Fabric stiffener elements used in tailoring coats. 324,343; May 14; Serial No. 355,617; published Jan. 1, 1935. Class 39.

Friedman, Sigmond, doing business as Modern Manufacturing Co., New York, N. Y. Cotton dresses and frocks. 324,402; May 14. Class 39.

Fromm Bros., Inc., Hamburg, Wis. Raw pelts and pelts intended for scarfs or trimming of women's wear. 324,284; May 14; Serial No. 359,655; published Mar. 5, 1935. Class 1.

Gamberdella, Gabriele, & Figli, New York, N. Y. Canned goods. 324,354; May 14; Serial No. 345,464; published Mar. 5, 1935. Class 46.

General Baking Company, New York, N. Y. Bread. 103,230; renewed Mar. 23, 1935.

General Distilleries Corp., Hartford, Conn. Whiskey, gin, rum, etc. 324,138–9; May 14; Serial Nos. 360,769–70; published Mar. 5, 1935. Class 49.

Gerrard, S. A., Co., The, Cincinnati, Ohio. Fresh citrus fruits. 324,119; May 14; Serial No. 358,478; published Mar. 5, 1935. Class 46.

Gitzendanner, Louis, New York, N. Y. Mixing valves. 324,389; May 14. Class 13.

Goldberg Millinery Company, Dallas, Tex. Millinery. 324,127; May 14; Serial No. 358,642; published Feb. 5, 1935. Class 39.

Goodier, Elwood J., doing business as Universal Laboratories, Dallas, Tex. Hand lotions. 324,153; May 14; Serial No. 338,411; published Feb. 26, 1935. Class 6.

Goodman & Beer Co., Inc., New Orleans, La. Gin, whiskey, and brandy. 324,341; May 14; Serial No. 355,072; published Oct. 9, 1934. Class 49.

Granat, Joseph, doing business as Granat Bros., San Francisco, Calif. Jewelry wristlets. 324,206; May 14; Serial No. 358,877; published Feb. 26, 1935. Class 28.

Greenspan Brothers Company, Perth Amboy, N. J. Whiskey. 324,298; May 14; Serial No. 360,588; published Mar. 5, 1935. Class 49.

Griffin, Calvin D., doing business as Columbia Orange Kist Bottling Company, Washington, D. C. Maltless beverages. 324,348; May 14; Serial No. 356,722; published Jan. 1, 1935. Class 45.

Griffler, M. S., Import Co., Inc., New York, N. Y. Whiskey. 324,174; May 14; Serial No. 360,312; published Mar. 5, 1935. Class 49.

Guimarneus & Co., Vila Nova de Gaia, Portugal. Wines. 324,374; May 14; Serial No. 359,746; published Mar. 5, 1935. Class 47.

H & W Company, Inc., The, Newark, N. J. Brassières and corsets. 324,289; May 14; Serial No. 359,582; published Feb. 26, 1935. Class 39.

Hamburger Company, The, Chicago, Ill. Whiskey. 324,133; May 14; Serial No. 360,668; published Mar. 5, 1935. Class 49.

Hamilton Woolen Company, Inc., Southbridge, Mass. Woolen piece goods. 324,355; May 14; Serial No. 345,865; published Feb. 19, 1935. Class 42.

Happy Bird Food Products Company. (See Rose, Sheila.)

Harzfeld's, Inc., Kansas City, Mo. Dresses, coats, pajamas, etc. 324,269; May 14; Serial No. 352,790; published Jan. 29, 1935. Class 39.

Hat Corporation of America, Norwalk, Conn. Wearing apparel. 324,141; May 14; Serial No. 358,137; published Jan. 8, 1935. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats. 324,210; May 14; Serial No. 358,985; published Feb. 12, 1935. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats. 324,229; May 14; Serial No. 359,087; published Feb. 12, 1935. Class 39.

Hearn Department Stores, Inc., New York, N. Y. Whiskey. 324,173; May 14; Serial No. 360,314; published Mar. 5, 1935. Class 49.

Hearn Department Stores, Inc., New York, N. Y. Gin. 324,400; May 14. Class 49.

Hecht Co., The, doing business as The Hub, and Hecht Bros., Washington, D. C., and Baltimore, Md. Children's apparel. 324,177; May 14; Serial No. 357,373; published Mar. 5, 1935. Class 39.

Heilbronn, J. P., Company, Manila, P. I., and New York, N. Y. Paper and news print. 324,347; May 14; Serial No. 342,351; published Dec. 26, 1933. Class 37.

Hendee Manufacturing Company, by change of name to Indian Motocycle Company, Springfield, Mass. Internal-combustion engines. 103,727–8; renewed Apr. 13, 1935.

Hollander, Nathan, New York, N. Y. Men's overcoats. 324,216; May 14; Serial No. 359,254; published Feb. 26, 1935. Class 39.

Hopkins Company, The, assignor to The Maryland Distillers Products Corporation, Baltimore, Md. Whiskey, gin, rum, etc. 324,219; May 14; Serial No. 359,223; published Mar. 5, 1935. Class 49.
Hub, The. (See The Hecht Co.)
Humphrey, Loyd W., doing business as Humphrey Products Company, Detroit, Mich. Hair curler. 324,358; May 14; Serial No. 346,362; published Feb. 19, 1935. Class 40.
Indian Motocycle Company. (See Hendee Manufacturing Company.)
Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y., to Ingersoll-Rand Company, New York, N. Y. Machinery, tools, and parts thereof. 105,537; renewed Aug. 3, 1935.
International Handerkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 324,218; May 14; Serial No. 359,224; published Mar. 5, 1935. Class 42.
International Harvester Corporation, assignor to International Harvester Company, Chicago, Ill. Wagons, automobiles, and motor trucks and parts thereof. 105,497; renewed July 27, 1935.
International Latex Corporation, Rochester, N. Y. Tobacco pouches. 324,175; May 14; Serial No. 360,302; published Mar. 5, 1935. Class 8.
International Sugar Feed No. Two Co., Minneapolis, Minn., to International Sugar Feed No. Two Company, Memphis, Tenn. Mixed feed for live stock. 104,329; renewed May 18, 1935.
Jelke, John F., Company, Chicago, Ill. Oleomargarin and butterin. 103,320–1; renewed Mar. 30, 1935.
Jelke, John F., Company, Chicago, Ill. Oleomargarin and butterin. 104,148; renewed May 4, 1935.
Josef Knitted Fabrics Company, Inc., New York, N. Y. Knitted piece goods. 324,102; May 14; Serial No. 357,822; published Jan. 8, 1935. Class 42.
Julius, Philip, doing business as Mme. Julius, New York, N. Y. Women's nether garments. 324,307; May 14; Serial No. 356,667; published Jan. 8, 1935. Class 39.
Kabo Corset Company, Chicago, Ill. Corsets. 324,097; May 14; Serial No. 357,636; published Mar. 5, 1935. Class 39.
Kahler Shoe Co., Inc., The, assignor to Orthopedic Shoes, Inc., New York, N. Y. 324,147; May 14; Serial No. 358,182; published Mar. 5, 1935. Class 39.
Kahn, E., & Co., Inc., Baltimore, Md. Whiskey, brandy, gin, etc. 324,194; May 14; Serial No. 360,176; published Mar. 5, 1935. Class 49.
Kahn, E., & Co., Inc., Baltimore, Md. Whiskey, gin, rum, etc. 324,291–3; May 14; Serial Nos. 360,636–8; published Mar. 5, 1935. Class 49.
Kalamazoo Vegetable Parchment Company, Kalamazoo, to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Paper ice-blankets and nursery-blankets. 104,456; renewed June 1, 1935.
Kathleen Incorporated, New York, N. Y. Women's coats, dresses, and hats. 324,345; May 14; Serial No. 355,158; published Mar. 5, 1935. Class 39.
Katz Konrad Hat Co., St. Louis, Mo. Felt hats for men. 324,314; May 14; Serial No. 356,252; published Feb. 5, 1935. Class 39.
Kats, M., Inc., New York, N. Y. Boots, shoes, slippers, etc. 324,200; May 14; Serial No. 358,933; published Mar. 5, 1935. Class 39.
Kelman, David J., New York, N. Y. Steel wool or woven metal cleaners for metalware. 324,372; May 14; Serial No. 359,798; published Feb. 26, 1935. Class 4.
Kerlin, Harry J., Altoona, Pa. Individual plant in the nature of a collapsible receptacle for use in fumigating and devermizing. 324,178; May 14; Serial No. 357,329; published Mar. 5, 1935. Class 50.
Kneale, Inc., New York, N. Y. Berets. 324,364; May 14; Serial No. 320,264; published Mar. 8, 1932. Class 39.
Knott, Wm. T., Company, Inc., New York, N. Y. Men's clothing. 324,185; May 14; Serial No. 357,014; published Jan. 22, 1935. Class 39.
La Societe Anonyme Revillon Freres, Paris, France. Motoring coats. 324,259; May 14; Serial No. 354,304; published Jan. 15, 1935. Class 39.
La Societe Anonyme Revillon Freres, Paris, France. Clothing. 324,260; May 14; Serial No. 354,301; published Jan. 15, 1935. Class 39.
La Societe Anonyme Revillon Freres, Paris, France. Motoring coats. 324,261; May 14; Serial No. 354,300; published Jan. 15, 1935. Class 39.
La Societe Anonyme Revillon Freres, Paris, France. Clothing. 324,262; May 14; Serial No. 354,299; published Jan. 15, 1935. Class 39.
Landers, Frary & Clark, New Britain, Conn. Electrically-heated vessels. 103,203; renewed Mar. 23, 1935.
Leading Brassiere Co., Inc., New York, N. Y. Corsets, corselets, brassières, and girdles. 324,319; May 14; Serial No. 356,089; published Mar. 5, 1935. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Felt hats. 324,339; May 14; Serial No. 359,430; published Feb. 19, 1935. Class 39.
Leggett, Francis H., & Company, New York, N. Y. Tea. 104,070; renewed Apr. 27, 1935.
Les Parfums Marly, Inc., New York, N. Y. Perfume extracts. 324,103; May 14; Serial No. 357,824; published Feb. 26, 1935. Class 6.
Levbro Mfg. Co., New York, N. Y. Pajamas. 324,371; May 14; Serial No. 359,803; published Feb. 19, 1935. Class 39.
Limestone Distillery, Incorporated, The, Cincinnati, Ohio. Whiskey, gin, rum, etc. 324,134; May 14; Serial No. 360,074; published Mar. 5, 1935. Class 49.
Lindemann, R., doing business as Sterling Products, Minneapolis, Minn. Potato chips and chili. 324,317; May 14; Serial No. 356,118; published Mar. 5, 1935. Class 46.
Lindholm, C. Gunnar, doing business as G. Lindholm Co., Brooklyn, N. Y. Electric combs. 324,125; May 14; Serial No. 358,598; published Feb. 5, 1935. Class 40.
Linker & Herbert, Inc., New York, N. Y. Woolen piece goods. 324,281; May 14; Serial No. 356,881; published Jan. 15, 1935. Class 42.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 324,191–3; May 14; Serial Nos. 360,194–6; published Mar. 5, 1935. Class 49.
Macy, R. H., & Co., Inc., New York, N. Y. Galoshes and arctics. 324,203; May 14; Serial No. 358,777; published Mar. 5, 1935. Class 39.
Mandel & Cohen, New York, N. Y. Hosiery and knitted underwear. 324,207; May 14; Serial No. 358,880; published Feb. 26, 1935. Class 39.
Margulies, Larry J., New York, N. Y. Apparel. 324,092–3; May 14; Serial Nos. 357,379–80; published Jan. 8, 1935. Class 39.
Market Wholesale Groceries, Inc., Chicago, Ill. Canned, dried, preserved, and evaporated fruits; canned and dried vegetables, etc. 324,242; May 14; Serial No. 349,423; published Mar. 5, 1935. Class 46.
Mar-Salle Chicago Company, Chicago, Ill. Rum, gin, whiskey, etc. 324,393; May 14. Class 49.
Marshall Field & Company, Chicago, Ill. Woven and textile rugs. 324,100–1; May 14; Serial Nos. 357,811–2; published Jan. 8, 1935. Class 42.
Marshall Field & Company, Chicago, Ill. Men's and boys' clothing. 324,283; May 14. Serial No. 359,715; published Feb. 26, 1935. Class 39.
Marvin and Snead, Inc., New York, N. Y. Rye whiskey. 324,189; May 14; Serial No. 360,232; published Mar. 5, 1935. Class 49.
Maryland Distillers Products Corporation. (See Hopkins Company, The, assignor.)
Maryland Wine & Spirits Corporation, Baltimore, Md. Whiskey. 324,176; May 14; Serial No. 360,288; published Mar. 5, 1935. Class 49.
Maryland Wine & Spirits Corporation, Baltimore, Md. Whiskey. 324,186; May 14; Serial No. 360,287; published Mar. 5, 1935. Class 49.
May Department Stores Company, The, doing business as Famous-Barr Co., St. Louis, Mo. Women's, misses', and children's hats, bonnets, and berets. 324,267; May 14; Serial No. 352,943; published Feb. 19, 1935. Class 39.
Mayer, B. W., Ltd., Poughkeepsie and New York, N. Y. Neckties, cravats, mufflers, and scarfs. 324,363; May 14; Serial No. 347,808; published Jan. 15, 1935. Class 39.
McGreevey, Werring & Howell, Inc., New York, N. Y. Cotton sheets and pillowcases. 324,208; May 14; Serial No. 358,887; published Feb. 5, 1935. Class 42.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Whiskey. 324,161; May 14; Serial No. 360,427; published Mar. 5, 1935. Class 49.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Brandy, gin, whiskey, etc. 324,297; May 14; Serial No. 360,598; published Mar. 5, 1935. Class 49.
Mendelson, E. S., & Co. Inc., New York, N. Y. Silk piece goods. 324,253; May 14; Serial No. 354,942; published Feb. 12, 1935. Class 42.
Midway Chemical Company, Chicago, Ill. Wood polish. 324,394; May 14. Class 16.
Milens, Harry C., doing business as Silver Dollar Shoe Stores, Kansas City, Mo. Shoes. 324,313; May 14; Serial No. 356,264; published Feb. 26, 1935. Class 39.
Miller, I., and Sons Inc., Long Island City, N. Y. Ladies' shoes. 324,142; May 14; Serial No. 358,145; published Feb. 5, 1935. Class 39.
Minneapolis Bedding Company, by change of name to The Way Corporation, Minneapolis, Minn. Bed springs. 104,334; renewed May 18, 1935.
Modern Manufacturing Co. (See Friedman, Sigmond.)
Modern Specialties, Inc., Milwaukee, Wis. Hand pressure actuated portable electric pressing devices. 324,323; May 14; Serial No. 359,922; published Mar. 5, 1935. Class 21.
Modern Youth Brassiere Co., New York, N. Y. Brassières, bandeaux, corsets, etc. 324,217; May 14; Serial No. 359,235; published Feb. 19, 1935. Class 39.
Mondl Manufacturing Company, The, Oshkosh, Wis. Slippers made of sheepskin. 324,150; May 14; Serial No. 358,349; published Feb. 26, 1935. Class 39.
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 324,305; May 14; Serial No. 360,483; published Mar. 5, 1935. Class 49.
Mum Citrus Assn., Santa Paula, Calif. Citrus fruits. 324,241; May 14; Serial No. 350,705; published June 19, 1935. Class 46.
Nation Chemical Co., Birmingham, Ala. Cleansers and polishers. 324,379; May 14. Class 4.
Nation Chemical Co., Birmingham, Ala. Ant and roach killer, insecticides, etc. 324,380; May 14. Class 6.

Native State Oil Co. (See Soderstrom, Charles W.)
Neumann, D. H., doing business as D. H. Neumann Company, New York, N. Y. Neckties and mufflers. 324,360; May 14; Serial No. 340,752; published Apr. 24, 1934. Class 39.
Neva-Wet Corporation of America, Inc., New York, N. Y. Coats and suits, dresses, hats, etc. 324,204; May 14; Serial No. 358,781; published Mar. 5, 1935. Class 39.
Neva-Wet Corporation of America, Inc., New York, N. Y. Coats and suits, dresses, blouses, hats, etc. 324,398; May 14. Class 39.
New Era Hats, Inc., New York, N. Y. Millinery. 324,110; May 14; Serial No. 357,959; published Feb. 19, 1935. Class 39.
New Haven Clock Company, The, New Haven, Conn. Clocks. 324,160; May 14; Serial No. 360,441; published Mar. 5, 1935. Class 27.
New York Knitting Mills, Inc., New York, N. Y. Knitted outer wear. 324,120; May 14; Serial No. 358,490; published Jan. 15, 1935. Class 39.
Nice Ball Bearing Company. (See Pressed Steel Manufacturing Company, assignor.)
Norwich Knitting Company, Norwich, N. Y. Clothing. 324,180; May 14; Serial No. 357,203; published Feb. 5, 1935. Class 39.
Nu-Era Cleansing Co., Pittsburgh, Pa. Preparation for bleaching, washing, sterilizing, and disinfecting. 324,353; May 14; Serial No. 345,608; published Feb. 26, 1935. Class 6.
Ocejo, Pedro R., Cdalla, Spain. Anise liqueurs. 324,240; May 14; Serial No. 350,864; published Mar. 5, 1935. Class 49.
Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics. 324,255; May 14; Serial No. 354,471; published Jan. 15, 1935. Class 42.
Orr, J. K., Shoe Company, Atlanta, Ga. Boots and shoes. 324,179; May 14; Serial No. 357,254; published Jan. 15, 1935. Class 39.
Orthopedic Shoes Inc. (See Kahler Shoe Co., Inc., assignor.)
O'Sullivan Rubber Co., Inc., The, Winchester, Va. Rubber heels. 324,183; May 14; Serial No. 357,658; published Feb. 5, 1935. Class 39.
Ozurovich, J., Inc., New York, N. Y. Insulating coverings for pipes. 324,211; May 14; Serial No. 358,945; published Mar. 5, 1935. Class 12.
Paddy Products Company. (See Richardson, Charles.)
Paramount Wedding Ring Company. (See Sager, Abraham.)
Parker Pen Company, The, Janesville, Wis. Fountain pens, pencils, and desk sets. 324,197; May 14; Serial No. 334,112; published Sept. 26, 1933. Class 37.
Patons & Baldwins, Limited, Halifax, England. Yarns. 324,115; May 14; Serial No. 358,445; published Jan. 29, 1935. Class 43.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Blankets. 324,098; May 14; Serial No. 357,679; published Jan. 1, 1935. Class 42.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Boys' pants and play suits. 324,367; May 14; Serial No. 359,894; published Feb. 26, 1935. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Boys' pants, riding breeches, and play suits. 324,368; May 14; Serial No. 359,893; published Feb. 19, 1935. Class 39.
Phillips Petroleum Company, Bartlesville, Okla. Belt buckles. 324,154; May 14; Serial No. 340,785; published Jan. 22, 1935. Class 40.
Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. 103,596; renewed Apr. 6, 1935.
Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. 104,479; renewed June 1, 1935.
Pollak, Henry, Inc., New York, N. Y. Hats and hat bodies for women and children. 324,095; May 14; Serial No. 357,563; published Jan. 22, 1935. Class 39.
Poloris Company, Inc. (See Washington Drugs Products Co., Inc., assignor.)
Popper Morson Co. Inc., Jersey City, N. J. Gin. 324,296; May 14; Serial No. 360,604; published Mar. 5, 1935. Class 49.
Premier Peat Moss Corporation, New York, N. Y. Peat moss. 324,309; May 14; Serial No. 356,492; published Mar. 5, 1935. Class 1.
Preservaline Manufacturing Co., The, Brooklyn, N. Y. Spices and seasonings, gelatine, etc. 324,312; May 14; Serial No. 356,270; published Dec. 25, 1934. Class 46.
Preserves & Honey, Inc. (See Best-Clymer Mfg. Co.)
Pressed Steel Manufacturing Company, Philadelphia, assignor to Nice Ball Bearing Company, Nicetown, Philadelphia, Pa. Antifriction-bearings. 104,231; renewed May 11, 1935.
Queen Valley Fabrics, Inc., Valley Falls, R. I. Cloth in the piece of cotton, silk, linen, etc. 324,222; May 14; Serial No. 359,183; published Mar. 5, 1935. Class 42.
Queen Valley Fabrics, Inc., Valley Falls, R. I. Textile curtains and window shade cloth, and lace curtains. 324,223; May 14; Serial No. 359,182; published Mar. 5, 1935. Class 42.
Rand Rubber Company, Inc. (See Brooklyn Shield & Rubber Co.)
Rath Packing Company, The, Waterloo, Iowa. Bacon. 324,188; May 14; Serial No. 360,241; published Mar. 5, 1935. Class 46.
Remington Rand Inc. (See Safe-Cabinet Company, The, assignor.)
Renee of Hollywood, Los Angeles, Calif. Ladies' brassières, nightgowns, slips, etc. 324,196; May 14; Serial No. 360,044; published Mar. 5, 1935. Class 39.
Richardson, Charles, doing business as Paddy Products Company, Pasadena, Calif. Coasters and pads for use therein. 324,270; May 14; Serial No. 356,915; published Mar. 5, 1935. Class 13.
Richland Milling Company, Belleville, Ill. Flour. 324,282; May 14; Serial No. 359,727; published Mar. 5, 1935. Class 46.
Rochester Button Company, Rochester, N. Y. Buttons. 324,126; May 14; Serial No. 358,613; published Feb. 26, 1935. Class 40.
Röhm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, fumigants, etc. 324,201–2; May 14; Serial Nos. 358,746–7; published Feb. 26, 1935. Class 6.
Rose, Sheila, doing business as Happy Bird Food Products Company, New York and Jamaica, N. Y. Shampoo and deodorizing and insecticide powder for dogs and cats. 324,337; May 14; Serial No. 359,441; published Feb. 26, 1935. Class 6.
Rothlan Hats, Inc., New York, N. Y. Ladies' hats. 324,182; May 14; Serial No. 357,060; published Jan. 15, 1935. Class 39.
Rutland Fire Clay Company, Rutland, Vt. Patching plaster for walls. 324,155–6; May 14; Serial Nos. 341,440–1; published Mar. 5, 1935. Class 12.
Safe-Cabinet Company, The, Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Periodical. 103,879; renewed Apr. 20, 1935.
Sager, Abraham, doing business as Paramount Wedding Ring Company, Chicago, Ill. Finger rings and wedding rings. 324,243; May 14; Serial No. 350,678; published Feb. 26, 1935. Class 28.
St. George Winery, doing business as St. George Winery & Distillery, Fresno, Calif. Wines. 324,318; May 14; Serial No. 356,082; published Mar. 5, 1935. Class 47.
Saks and Company, Inc., New York, N. Y. Shoes. 324,234; May 14; Serial No. 351,872; published Feb. 19, 1935. Class 39.
Salinux Company, Limited, The, London, England. Stock feed. 324,340; May 14; Serial No. 355,853; published Mar. 5, 1935. Class 46.
Samson Plaster Board Company, Buffalo, N. Y. Bituminous roofing, shingles, and cement. 324,165; May 14; Serial No. 360,377; published Mar. 5, 1935. Class 12.
Saxe, Jack, Dress Corporation, Boston, Mass. Dresses. 324,121; May 14; Serial No. 358,502; published Feb. 19, 1935. Class 39.
Scharf Bros. Co. Inc., New York, N. Y. Confectionery. 324,386; May 14. Class 46.
Schering Corporation, Bloomfield, N. J. Medicinal preparations. 324,332; May 14; Serial No. 359,555; published Feb. 26, 1935. Class 6.
Schmidt, Hugo E., doing business as Schmidt Loom Reed Works, New Bedford, Mass. Textile loom reeds, lug straps, and check straps, etc. 324,214; May 14; Serial No. 359,281; published Mar. 5, 1935. Class 23.
Schweizerische Seidengazefabrik A. G., Zurich, Switzerland. Bolting and stencil cloth. 324,111; May 14; Serial No. 357,962; published Jan. 8, 1935. Class 42.
Scolding Locks Corporation, Appleton, Wis. Hairpins and bobby pins. 324,094; May 14; Serial No. 357,396; published Jan. 8, 1935. Class 40.
Scolding Locks Corporation, Appleton, Wis. Hairpins. 324,352; May 14; Serial No. 344,016; published Jan. 15, 1935. Class 40.
Scottish Importing Corp., Kansas City, Mo. Whiskey, gin, and brandy. 324,104; May 14; Serial No. 357,840; published Mar. 5, 1935. Class 49.
Seamless Rubber Company, Inc., The, New Haven, Conn. Bathing suits, shower capes, and rubber gloves. 324,113; May 14; Serial No. 357,995; published Jan. 8, 1935. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Men's shoes. 324,152; May 14; Serial No. 358,389; published Feb. 19, 1935. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Brake lining. 324,159; May 14; Serial No. 360,443; published Mar. 5, 1935. Class 35.
Selby Shoe Company, The, Portsmouth, Ohio. Boots and shoes. 324,205; May 14; Serial No. 358,815; published Feb. 5, 1935. Class 39.
Seltzer, Charles A., Jr., Cleveland, Ohio. Shoes. 324,232; May 14; Serial No. 352,553; published Jan. 1, 1935. Class 39.
Sheffler Merchandise Company, Inc., New York, N. Y. Spring hinges, strap hinges, shelf brackets, etc. 324,278. May 14; Serial No. 356,916; published Mar. 5, 1935. Class 13.
Shelp, William H., & Company, doing business as Wm. H. Shelp & Co., New York, N. Y. Underwear, polo shirts, sweaters, etc. 324,226–7; May 14; Serial Nos. 359,148–9; published Feb. 19, 1935. Class 39.
Shelton Textile Fabric Co., Shelton, Conn. Narrow elastics, elastic braids, etc. 324,288; May 14; Serial No. 359,634; published Feb. 26, 1935. Class 40.
Sherman Bros. Mfg. Co., The, South Norwalk, Conn. Boots, shoes, slippers, etc. 324,149; May 14; Serial No. 358,338; published Jan. 15, 1935. Class 39.

Sherman Fabric Products, Inc., New York, N. Y. Waterproofed silk, cotton, and rayon fabrics. 324,308; May 14; Serial No. 356,546; published Mar. 5. 1935. Class 42.

Sherwood Shoe Company, Rochester, N. Y. Women's shoes. 324,330; May 14; Serial No. 355,043; published Feb. 19, 1935. Class 39.

Silver Dollar Shoe Stores. (See Milens, Harry C.)

Sims, B., Corporation, New York, N. Y. Hats. 324,254; May 14; Serial No. 354,811; published Feb. 12, 1935; Class 39.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and slippers. 324,128-9; May 14; Serial Nos. 358,657-8; published Feb. 19, 1935. Class 39.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and slippers. 324,130; May 14; Serial No. 358,660; published Feb. 5, 1935. Class 39.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and slippers. 324,198; May 14; Serial No. 358,663; published Feb. 5, 1935. Class 39.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and slippers. 324,199; May 14. Serial No. 358,661; published Feb. 19, 1935. Class 39.

Smith, Lonnie G., Tulsa, Okla. Tooth brushes. 324,257; May 14; Serial No. 354,453; published Mar. 5, 1935. Class 29.

Societe Anonyme Colonial Ernest Lambert & Cie., Neuilly-sur-Seine, France. Rum. 324,225; May 14; Serial No. 359,150; published Mar. 5, 1935. Class 49.

Société Anonyme Couesnon, Paris, France. Violins, bassoons, bugles, etc. 324,396; May 14. Class 36.

Societe Anonyme des Anciens Etablissements Braunstein Freres, Paris, France. Cigarette papers. 324,373; May 14; Serial No. 359,755; published Mar. 5, 1935. Class 8.

Societe Anonyme des Etablissements Rouzaud "A La Marquise de Sevigne" Chocolat de Royat, to Societe Anonyme des Etablissements Rouzaud Chocolat de Royat" "A La Marquise de Sevigne". Royat-les-Bains, France, successor. Foods. 105,967; renewed Aug. 31, 1935.

Soderstrom, Charles W., doing business as Native State Oil Co., assignor to Native State Oil Company, Los Angeles, Calif. Gasoline. 324,143; May 14; Serial No. 358,157; published Feb. 26, 1935. Class 15.

Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and lens blanks. 324,295; May 14; Serial No. 360,014; published Mar. 5, 1935. Class 26.

Sontag Chain Stores Co. Ltd., Los Angeles, Calif. Gin. 324,136; May 14; Ser. No. 360,734; published Mar. 5, 1935. Class 49.

Southern Webbing Mills, Inc., Greensboro, N. C. Narrow elastic webbing. 324,310; May 14; Serial No. 356,201; published Feb. 5, 1935. Class 40.

Spellman, E. L., Co., Inc., New York, N. Y. Whisky. 324,248; May 14; Serial No. 359,370; published Mar. 5, 1935. Class 49.

Spellman, E. L., Co., Inc., New York, N. Y. Whiskey. 324,302; May 14; Serial No. 360,497; published Mar. 5, 1935. Class 49.

Spellman, E. L., Co., Inc., New York, N. Y. Sherry wine. 324,303; May 14; Serial No. 360,496; published Mar. 5, 1935. Class 47.

Spellman, E. L., Co., Inc., New York, N. Y. Whiskey. 324,304; May 15; Serial No. 360,494; published Mar. 5, 1935. Class 49.

Spring Grove Distilling Co., Incorporated, Chicago, Ill. Whiskey. 324,135; May 14; Serial No. 360,689; published Mar. 5, 1935. Class 49.

Spring Grove Distilling Co., Incorporated, Chicago, Ill. Whiskey. 324,137; May 14; Serial No. 360,690; published Mar. 5, 1935. Class 49.

Spring Grove Distilling Co., Incorporated, Chicago, Ill. Whiskey. 324,301; May 14; Serial No. 360,499; published Mar. 5, 1935. Class 49.

Stalp, W. F., Co., Inc., New York, N. Y. Piece goods. 324,184; May 14; Serial No. 357,024; published Jan. 15, 1935. Class 42.

Stanard-Tilton Milling Co., St. Louis, Mo., to Stanard-Tilton Co., Alton, Ill. Wheat-flour. 105,144; renewed July 6, 1935.

Stanco Incorporated, New York, N. Y. Lubricating oils. 324,116; May 14; Serial No. 358,454; published Mar. 5, 1935. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils. 324,244; May 14; Serial No. 359,410; published Mar. 5, 1935. Class 15.

Star Liquor Co. (See Wallack, Nathan N.)

Steckler, Samuel P. (See Fareira, M. Barker, assignor.)

Sterling Products. (See Lindemann, R.)

Stohn, Carl, Inc., Boston, Mass. Braid elastic shoe fabrics. 324,117; May 14; Serial No. 358,458; published Feb. 5, 1935. Class 42.

Stowe & Woodward Company, Newton Upper Falls, Mass. Devices for testing the hardness of the surface of material. 324,112; May 14; Serial No. 358,394; published Mar. 5, 1935. Class 26.

Strauss Stores Corporation, Brooklyn, N. Y. Spark plugs. 324,311; May 14; Serial No. 356,391; published Mar. 5, 1935. Class 21.

Style Kraft Shirt Corporation, New York, N. Y. Men's dress shirts. 324,285; May 14; Serial No. 359,678; published Feb. 19, 1935. Class 39.

Sussberg & Felnberg, Inc., New York, N. Y. Women's underwear. 324,221; May 14; Serial No. 359,188; published Feb. 12, 1935. Class 39.

Sussberg & Felnberg, Inc., New York, N. Y. Women's underwear. 324,230; May 14; 359,061; published Feb. 12, 1935. Class 39.

Swedish Iron & Steel Corporation, New York, N. Y. Ferrous metal, as such, plain and plated, enameled, etc. 324,361; May 14; Serial No. 347,423; published Mar. 5, 1935. Class 14.

Swiss, Frank L., doing business as Swiss Laboratories, Baltimore, Md. Laxative tablets. 324,335; May 14; Serial No. 359,488; published Feb. 26, 1935. Class 6.

Telebench Corporation, New York, N. Y. Electrical control and signal apparatus, lighting systems, etc. 324,336; May 14; Serial No. 359,445; published Mar. 5, 1935. Class 21.

Textile Machine Works, Wyomissing, Pa. Hosiery bins. 324,390; May 14. Class 2.

Thing's Shoe Stores, Inc., Boston, Mass. Women's shoes. 324,144; May 14; Serial No. 358,165; published Jan. 15, 1935. Class 39.

Toledo Glove Manufacturing Company, The, Toledo, Ohio. Gloves and gauntlets. 324,377; May 14; Serial No. 359,734; published Mar. 5, 1935. Class 39.

Triangle Shoe Co. (See Bashkes, Hyman.)

Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. 324,158; May 14; Serial No. 360,445; published Mar. 5, 1935. Class 28.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Knitting pins. 324,224; May 14; Serial No. 359,156; published Feb. 26, 1935. Class 40.

United States Gypsum Company, Chicago, Ill. Asphalt roofing. 324,164; May 14; Serial No. 360,283; published Mar. 5, 1935. Class 12.

Universal Hat Works, Linden, N. J. Girls' and women's hats. 324,231; May 14; Serial No. 359,066; published Feb. 19, 1935. Class 39.

Universal Laboratories. (See Goodier, Elwood J.)

Van Raalte Company, New York, N. Y. Women's and misses' underwear, hosiery, and gloves. 324,251; May 14; Serial No. 359,332; published Mar. 5, 1935. Class 39.

Ventilomyre Co., The, New York, N. Y., assignor, by mesne assignments, to The Alrolite Company, Marietta, Ohio. Transoms, doors, windows, and panels. 104,079; renewed Apr. 27, 1935.

Vitamax Mills, Inc., St. Louis, Mo. Live stock feeds and poultry feeds. 324,235; May 14; Serial No. 351,833; published Feb 26, 1935. Class 46.

Vulcan Abrasives, Inc., New York and Long Island City, N. Y. Sand paper, abrasive paper, and abrasives. 324,344; May 14; Serial No. 355,276; published Feb. 26, 1935. Class 4.

W. & G. Ribbon Company, Inc., New York, N. Y. Ribbon sold by the bolt. 324,333; May 14; Serial No. 359,528; published Mar. 5, 1935. Class 42.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 324,264; May 14; Serial No. 353,048; published Mar. 5, 1935. Class 49.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 324,266; May 14; Serial No. 353,047; published Mar. 5, 1935. Class 49.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 324,270-1; May 14; Serial Nos. 352,561-2; published Mar. 5, 1935. Class 49.

Wallack, Nathan N., doing business as Star Liquor Co., Washington, D. C. Whiskey, gin, rum, etc. 324,195; May 14; Serial No. 360,153; published Mar. 5, 1935. Class 49.

Washington Drug Products Co., Inc., assignor to Poloris Company, Inc., New York, N. Y. Poultice. 104,406; renewed May 25, 1935.

Watson Company, The, Attleboro, Mass. Sterling silver flatware and hollowware. 324,322; May 14; Serial No. 359,972; published Feb. 26, 1935. Class 28.

Way Corporation, The. (See Minneapolis Bedding Company.)

Weldeman Co., The, Cleveland, Ohio. Whiskey. 324,187; May 14; Serial No. 360,256; published Mar. 5, 1935. Class 49.

Weldeman Company, Inc., The, Cleveland, Ohio. Whiskey. 324,238; May 14; Serial No. 351,149; published Mar. 5, 1935. Class 49.

Weiner, Simon, New York, N. Y. Shoes, slippers, and sandals. 324,250; May 14; Serial No. 359,333; published Mar. 5, 1935. Class 39.

Welding Service, Inc., San Francisco, Calif. Electrical welding machines and accessories. 324,268; May 14; Serial No. 352,806; published Mar. 5, 1935. Class 21.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. Disinfectants and insecticides. 105,384; renewed July 20, 1935.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Gin, whiskey, rum, etc. 324,247; May 14; Serial No. 359,380; published Mar. 5, 1935. Class 49.

Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Gears, gear blanks, spinning buckets, etc. 324,365; May 14; Serial No. 328,464; published Mar. 5, 1935. Class 23.

Wheeler Building Tile Company, Inc., Fort Myers, Fla. Tiles. 324,263; May 14; Serial No. 354,230; published Mar. 5, 1935. Class 12.

Whittall, M. J., to M. J. Whittall Associates, Ltd., Worcester, Mass., successor. Textile rugs and carpets. 103,458; renewed Apr. 6, 1935.

Wilkinson, Charlotte C., New York, N. Y. Colored paper figures, similar to large sized paper dolls used by designers of clothing and instructors of clothing design. 324,349; May 14; Serial No. 356,826; published Mar. 5, 1935. Class 50.

Winget Kickernick Company, Minneapolis, Minn. Bloomers. 324,334; May 14; Serial No. 359,492; published Feb. 19, 1935. Class 39.

Witchell-Shelll Co., Chicago, Ill. Athletic shoes. 324,181; May 14; Serial No. 357,163; published Jan. 22, 1935. Class 39.

Wolf, Louis, & Co. Inc., New York, N. Y. Dolls, toys, and novelties. 324,401; May 14. Class 22.

Woodworth, Thomas W., doing business as Becker's Bakery, Spartanburg, S. C. Bread. 324,252; May 14; Serial No. 354,970; published Mar. 5. 1935. Class 46.

Woodworth, Thomas W., doing business as Becker's Bakery, Spartanburg, S. C. Bread. 324,327-9; May 14; Serial Nos. 354,971-3; published Mar. 5. 1935. Class 46.

Wright, David E., deceased, by Isabella Wright, executrix, Harrisburg, Pa., and New York, N. Y., to Buy Roma Company, Inc., New York, N. Y., successor. Hair-tonic. 97,384; renewed June 2, 1934.

LIST OF REGISTRANTS OF LABELS

Bird & Son, Inc., East Walpole, Mass. Deluxe Shu-Stiles Footwear. For Footwear. 45,567; May 14.

Bird & Son, Inc., East Walpole, Mass. Arch Improver. For Shoes. 45,568; May 14.

Dalva, Raphael D., New York, N. Y. Lotion Dalva. For a Lotion. 45,569; May 14.

Holmes, T. J., Co. Inc., Chartley, Mass. Holmespray. For Throat and Nasal Atomizers. 45,570; May 14.

Lab-Test Company, The, Kansas City, Mo. Lab-Test Rock & Mineral Set. For an Educational Set for Boys. 45,571; May 14.

Mosh, I., Pompernicked Co., New York, N. Y. Pompernicked Bread. For Pompernicked Bread. 45,572; May 14.

S. O. S. Company, The, Chicago, Ill. S. O. S. For Scouring Pads. 45,573; May 14.

Sorensen, Elgar N., Fernandina, Fla. Sorensen's Porcupine Distiller. For a Distiller. 45,574; May 14.

South Kaukauna Dairy Company, Kaukauna, Wis. Kaukauna Klub. For Cheese Food. 45,575; May 14.

Staley, A. E., Manufacturing Company, Decatur, Ill. Staley's Gloss Starch. For Gloss Starch. 45,576; May 14.

Ste Pierre Smirnoff Fils, Incorporated, New York, N. Y. Ste Pierre Smirnoff Fils. For Vodka. 45,577; May 14.

Steiner, Emil E., Glendale, Calif. General Antisepto. For an Antiseptic Solution. 45,578; May 14.

Tetley, Joseph, & Co., Inc., New York, N. Y. Tetley Elephant Brand. For Tea. 45,579; May 14.

Tetley, Joseph, & Co., Inc., New York, N. Y. Tetley Orange Pekoe & Pekoe. For Tea. 45,580; May 14.

United Distillers (of America) Ltd., Baltimore, Md. Pre-Judged on all Nine Points. For Distilled Alcoholic Liquors. 45,581; May 14.

Universal Motor Oils Company, The, Wichita, Kans. Extra Film Tension Means Safe Lubrication. For Motor Oil. 45,582; May 14.

LIST OF REGISTRANTS OF PRINTS

Arden, Elizabeth, Sales Corporation, doing business as Elizabeth Arden, New York, N. Y. For a Lily-Like Skin. For Cleansing Cream, Skin Cream, and Skin Tonic. 15,137; May 14.

Arden, Elizabeth, Sales Corporation, doing business as Elizabeth Arden, New York, N. Y. Elizabeth Arden—Artist in Skin Tones. For Powder. 15,138; May 14.

Carson Pirie Scott & Company, Chicago, Ill. Carson's Has Put the Sum Total of New Spring Fashions Into These Coats and Suits. For Ladies' Ready-to-Wear Garments. 15,139; May 14.

Carson Pirie Scott & Company, Chicago, Ill. Frocks that Make Fashion News Presented in Dramatic Versions at Carson's in the Sports Shop and Better Frocks Sections. For Ladies' Ready-to-Wear Garments. 15,140; May 14.

Carson Pirie Scott & Company, Chicago, Ill. Carson's Meets Spring More Than Half Way with a Great Sale of New Frocks. For Ladies' Ready-to-Wear Garments. 15,141; May 14.

Cream of Wheat Corporation, The, Minneapolis, Minn. Every Day She Burns up as Much Energy as a Champion Sprinter! For Wheat Breakfast Food. 15,142; May 14.

General Mills, Inc., Minneapolis, Minn. Free Groceries for One Year from Your Favorite Grocer! For Flour. 15,143; May 14.

Hansen's, Chr., Laboratory Inc., Little Falls, N. Y. Junket Mix. For a Preparation for Making Ice Cream in Automatic Refrigerator or Hand Freezer. 15,144; May 14.

Maison Blanche Company, New Orleans, La. Mighty Master Stroke. For Men's, Women's, and Children's Outer and Under Clothing, Sheets, Etc. 15,145; May 14.

Premier-Pabst Corporation, Peoria Heights, Ill. Snapshots of Modern Bakers. For Baker's Malt. 15,146; May 14.

Premier-Pabst Corporation, Peoria Heights, Ill. Hot? . . Tired? . . Thirsty? . . It's Time for Pabst. For Beer and Ale. 15,147; May 14.

Premier-Pabst Corporation, Peoria Heights, Ill. It's Time for Pabst—, No. 3,099. For Beer and Ale. 15,148; May 14.

Premier-Pabst Corporation, Peoria Heights, Ill. It's Time for Pabst—, No. 3,100. For Beer and Ale. 15,149; May 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Enamel frit and purified clay. Ferro Enamel Corporation. 324,350; May 14; Serial No. 356,874; published Mar. 5, 1935.

Peat moss. Premier Peat Moss Corporation. 324,309; May 14; Serial No. 358,492; published Mar. 5, 1935.

Pelts and pelts intended for scarfs or trimming of women's wear, Raw. Fromm Bros., Inc. 324,284; May 14; Serial No. 359,655; published Mar. 5, 1935.

Seeds, Farm Service Stores, Inc. 324,166; May 14; Serial No. 360,348; published Mar. 5, 1935.

Seeds, Field. Berry Seed Company. 324,246; May 14; Serial No. 359,384; published Mar. 5, 1935.

Seeds, Flower and vegetable. Bomberger Seed Company. 324,220; May 14; Serial No. 359,199; published Mar. 5, 1935.

Trees and shrubbery. W. E. Asplin. 324,321; May 14; Serial No. 359,979; published Feb. 26, 1935.

CLASS 2

Bins, Hosiery. Textile Machine Works. 324,390; May 14.

CLASS 4

Cleansers and polishers. Nation Chemical Co. 324,379; May 14.

Sand paper, abrasive paper, and abrasives. Vulcan Abrasives, Inc. 324,344; May 14; Serial No. 355,276; published Feb. 26, 1935.

Soaps, Toilet. S. Fargo. 102,754; renewed Feb. 23, 1935

Steel wool or woven metal cleaners for metalware. D. J. Kelman. 324,372; May 14; Serial No. 359,798; published Feb. 26, 1935.

CLASS 5

Adhesive textile patch. D. J. Block. 324,245; May 14; Serial No. 359,385; published Mar. 5, 1935.

CLASS 6

Ant and roach killer, insecticides, etc. Nation Chemical Co. 324,380; May 14.

Chemical solution for removing rust and grease from metal surfaces, Liquid. American Chemical Paint Company. 104,434; renewed June 1, 1935.

Cream, Toilet. S. Fargo. 103,851; renewed Apr. 20, 1935.

Disinfectants and insecticides. West Disinfecting Company. 105,384; renewed July 20, 1935.

Hair-invigorator and remedy for the scalp, dandruff, and falling hair. S. Fargo. 103,852; renewed Apr. 20, 1935.

Hair-tonic. M. B. Fareira. 103,024; renewed Mar. 16, 1935.

Hair-tonic. D. E. Wright. 97,384; renewed June 2, 1934.

Insecticides, fungicides, fumigants, etc. Röhm & Haas Company. 324,201-2; May 14; Serial Nos. 358,746-7; published Feb. 26, 1935.

Laxative tablets. F. L. Swiss. 324,335; May 14; Serial No. 359,488; published Feb. 26, 1935.

Liniment. S. Fargo. 102,748; renewed Feb. 23, 1935.
Liniment. S. Fargo. 103,559; renewed Apr. 6, 1935.
Lotions, Hand. E. J. Goodier. 324,153; May 14; Serial No. 338,411; published Feb. 26, 1935.
Medicinal compound for internal use. S. Fargo. 102,752; renewed Feb. 23, 1935.
Medicinal compound, Liquid. S. Fargo. 102,750; renewed Feb. 23, 1935.
Medicinal preparations. Schering Corporation. 324,332; May 14; Serial No. 359,555; published Feb. 26, 1935.
Ointment for the treatment of all itchiness of the skin. S. Fargo. 102,753; renewed Feb. 23, 1935.
Perfume extracts. Lea Parfums Marly, Inc. 324,103; May 14; Serial No. 357,824; published Feb. 26, 1935.
Poultice. Washington Drug Products Co. 104,406; renewed May 25, 1935.
Preparation for bleaching, washing, sterilizing, and disinfecting. Nu-Era Cleansing Co. 324,353; May 14; Serial No. 345,608; published Feb. 26, 1935.
Preparation for use in the treatment of certain named ailments. S. Fargo. 102,745; renewed Feb. 23, 1935.
Remedy for certain named ailments. S. Fargo. 102,751; renewed Feb. 23, 1935.
Remedy for constipation. S. Fargo. 102,746; renewed Feb. 23, 1935.
Remedy for laxative purposes and for purifying the blood. S. Fargo. 102,747; renewed Feb. 23, 1935.
Remedy for the treatment of certain named affections. S. Fargo. 104,717; renewed June 15, 1935.
Remedy for the various affections of the lungs and throat. S. Fargo. 102,749; renewed Feb. 23, 1935.
Shampoo and deodorizing and insecticide powder for dogs and cats. S. Rose. 324,337; May 14; Serial No. 359,441; published Feb. 26, 1935.

CLASS 7

Twine, Vegetable fibre. Columbian Rope Company. 324,403; May 14.

CLASS 8

Cigarette papers. Societe Anonyme des Anciens Etablissements Braunstein Freres. 324,373; May 14; Serial No. 359,755; published Mar. 5, 1935.
Tobacco pouches. International Latex Corporation. 324,175; May 14; Serial No. 360,302; published Mar. 5, 1935.

CLASS 12

Cements, Acid-proof construction. Chemical Construction Company. 105,784; renewed Aug. 17, 1935.
Coverings for pipes, Insulating. J. Ozurovich Inc. 324,211; May 14; Serial No. 358,945; published Mar. 5, 1935.
Plaster for walls, Patching. Rutland Fire Clay Company. 324,155–6; May 14; Serial Nos. 341,440–1; published Mar. 5, 1935.
Roofing, Asphalt. United States Gypsum Company. 324,164; May 14; Serial No. 360,383; published Mar. 5, 1935.
Roofing, shingles, and cement, Bituminous. Samson Plaster Board Company. 324,165; May 14; Serial No. 360,377; published Mar. 5, 1935.
Tiles. Wheeler Building Tile Company. 324,263; May 14; Serial No. 354,230; published Mar. 5, 1935.
Tiles, Glass. Cincinnati Advertising Products Company. 324,167; May 14; Serial No. 360,344; published Mar. 5, 1935.
Transoms, doors, windows, and panels. Ventilouvre Co. 104,079; renewed Apr. 27, 1935.

CLASS 13

Coasters and pads for use therein. C. Richardson. 324,279; May 14; Serial No. 356,915; published Mar. 5, 1935.
Spring hinges, strap hinges, shelf brackets, etc. Sheffler Merchandise Company. 324,278; May 14; Serial No. 356,916; published Mar. 5, 1935.
Valves, Mixing. L. Gitzendanner. 324,389; May 14.

CLASS 14

Metal, as such, plain and plated, enameled, etc., Ferrous. Swedish Iron & Steel Corporation. 324,361; May 14; Serial No. 347,423; published Mar. 5, 1935.
Metals made of zinc, copper, etc., Sheet and coil. American Nickeloid Company. 324,381; May 14.

CLASS 15

Gasoline. El Dorado Refining Company. 324,366; May 14; Serial No. 328,595; published Feb. 26, 1935.
Gasoline. C. W. Soderstrom. 324,143; May 14; Serial No. 358,157; published Feb. 26, 1935.
Gasoline, and lubricating oils and greases. American Oil Company. 324,369; May 14; Serial No. 359,883; published Mar. 5, 1935.
Oils, Lubricating. Colt-Worthington Oil Works, Inc. 324,324–6; May 14; Serial Nos. 359,904–6; published Mar. 5, 1935.
Oils, Lubricating. Stanco Incorporated. 324,116; May 14; Serial No. 358,454; published Mar. 5, 1935.
Oils, Lubricating. Standard Oil Company of New Jersey. 324,244; May 14; Serial No. 359,410; published Mar. 5, 1935.

CLASS 16

Oils for use in paints, varnishes, and the like, Synthetic. Beck, Koller & Co. 324,190; May 14; Serial No. 360,201; published Feb. 19, 1935.
Polish, Wood. Midway Chemical Company. 324,394; May 14.

CLASS 17

Cigars. Canava Cigar Company. 324,146; May 14; Serial No. 358,174; published Mar. 5, 1935.

CLASS 19

Wagons, automobiles, and motor-trucks, and parts thereof, International Harvester Corporation. 105,497; renewed June 25, 1935.

CLASS 21

Electric apparatus and supplies. Detroit Stove Works. 105,528; renewed Aug. 3, 1935.
Electrical control and signal apparatus, lighting systems, etc. Teletouch Corporation. 324,336; May 14; Serial No. 359,445; published Mar. 5, 1935.
Electrical welding machines and accessories. Welding Service, Inc. 324,268; May 14; Serial No. 352,806; published Mar. 5, 1935.
Pressing devices, Hand pressure actuated portable electric. Modern Specialties, Inc. 324,323; May 14; Serial No. 359,922; published Mar. 5, 1935.
Radio receiving sets and tubes. L. Bamberger & Co. 324,300; May 14; Serial No. 360,520; published Mar. 5, 1935.
Spark plugs. Struuss Stores Corporation. 324,311; May 14; Serial No. 356,391; published Mar. 5, 1935.
Vessels, Electrically-heated. Landers, Frary & Clark. 103,203; renewed Mar. 23, 1935.

CLASS 22

Base-balls. J. de Beer. 105,642; renewed Aug. 10, 1935.
Base-balls, playground, and indoor balls. J. de Beer. 105,186; renewed July 13, 1935.
Dolls, toys, and novelties. Louis Wolf & Co. Inc. 324,401; May 14.
Exercising apparatus. Acheson Manufacturing Company. 324,382; May 14.
Fish bait, Artificial. Enterprise Manufacturing Company. 324,383; May 14.

CLASS 23

Bearings, Antifriction. Pressed Steel Manufacturing Company. 104,231; renewed May 11, 1935.
Engines, Internal-combustion. Hendee Manufacturing Company. 103,727–8; renewed Apr. 13, 1935.
Gears, gear blanks, spinning buckets. Westinghouse Electric and Manufacturing Company. 324,305; May 14; Serial No. 328,464; published Mar. 5, 1935.
Loom reeds, lug straps and check straps, etc., Textile. H. E. Schmidt. 324,214; May 14; Serial No. 359,281; published Mar. 5, 1935.
Machinery, tools, and parts thereof. Ingersoll-Rand Company. 105,537; renewed Aug. 3, 1935.
Metal straightening machines and parts thereof. Blackhawk Mfg. Co. 324,320; May 14; Serial No. 359,883; published Mar. 5, 1935.
Plows, mold-boards, landsides, etc. C. Billups. 103,805–6; renewed Apr. 13, 1935.
Plows, moldboards, landsides, etc. C. Billups. 103,840; renewed Apr. 13, 1935.
Plows, moldboards, landsides, etc. C. Billups. 105,525; renewed Aug. 3, 1935.
Plows, moldboards, landsides, etc. C. Billups. 105,970; renewed Sept. 7, 1935.
Printing presses. American Type Founders Sales Corporation. 324,342; May 14; Serial No. 355,695; published Mar. 5, 1935.

CLASS 24

Ironing-machines, washing-machines, ironing-boards, etc. Chicago Dryer Co. 103,196; renewed Mar. 23, 1935.

CLASS 26

Devices for testing the hardness of the surface of material. Stowe & Woodward Company. 324,112; May 14; Serial No. 358,394; published Mar. 5, 1935.
Lenses and lens blanks, Ophthalmic. Soft-Lite Lens Company. 324,295; May 14; Serial No. 360,614; published Mar. 5, 1935.
Optical goods. Art Craft Optical Co. 324,387; May 14.

CLASS 27

Clocks. New Haven Clock Company. 324,160; May 14; Serial No. 360,441; published Mar. 5, 1935.

CLASS 28

Flatware and holloware, Sterling silver. Watson Company. 324,322; May 14; Serial No. 359,972; published Feb. 26, 1935.
Jewelry. Trifari, Krussman & Fishel, Inc. 324,158; May 14; Serial No. 360,445; published Mar. 5, 1935.
Jewelry wristlets. J. Granat. 324,206; May 14; Serial No. 358,877; published Feb. 26, 1935.
Rings and wedding rings, Finger. A. Sager. 324,243; May 14; Serial No. 350,678; published Feb. 26, 1935.

CLASS 29

Tooth brushes. L. G. Smith. 324,257; May 14; Serial No. 354,453; published Mar. 5, 1935.

CLASS 32

Bed-springs. Minneapolis Bedding Company. 104,334; renewed May 12, 1935.
Pads and covers, Seat. American Cover Corporation. 324,170–2; May 14; Serial Nos. 360,334–6; published Mar. 5, 1935.
Seat pads and covers. American Cover Corporation. 324,168–9; May 14; Serial Nos. 360,337–8; published Mar. 5, 1935.

CLASS 34

Gas, coal, wood, and oil stoves. Chicago Dryer Co. 103,582; renewed Apr. 6, 1935.

CLASS 35

Brake lining. Sears, Roebuck and Co. 324,159; May 14; Serial No. 360,443; published Mar. 5, 1935.
Gaskets, washers and packing of cork, and cork or cork composition in the sheet. Armstrong Cork & Insulation Company. 324,240; May 14; Serial No. 359,340; published Mar. 5, 1935.
Tires, Vehicle. Fisk Rubber Corporation. 324,162; May 14; Serial No. 360,409; published Mar. 5, 1935.

CLASS 36

Violins, bassoons, bugles, etc. Société Anonyme Couesnon. 324,396; May 14.

CLASS 37

Paper and news print. J. P. Heilbronn Company. 324,347; May 14; Serial No. 342,351; published Dec. 26, 1933.
Paper ice-blankets and nursery-blankets. Kalamazoo Vegetable Parchment Company. 104,456; renewed June 1, 1935.
Paper, Writing. Crane & Co. 104,046–9; renewed Apr. 27, 1935.
Pens, mechanical pencils, and desk sets, Fountain. Parker Pen Company. 324,197; May 14; Serial No. 334,112; published Sept. 26, 1933.

CLASS 38

Periodical. Safe-Cabinet Company. 103,879; renewed Apr. 20, 1935.

CLASS 39

Apparel. L. J. Margulies. 324,062–3; May 14; Serial Nos. 357,370–80; published Jan. 8, 1935.
Apparel, Children's. Hecht Co. 324,177; May 14; Serial No. 357,373; published Mar. 5, 1935.
Apparel, Wearing. Brooklyn Overall Co. 324,397; May 14.
Apparel, Wearing. Hat Corporation of America. 324,141; May 14; Serial No. 358,137; published Jan. 8, 1935.
Berets. Kneale, Inc. 324,304; May 14; Serial No. 320,204; published Mar. 8, 1932.
Bloomers. Winget Kickernick Company. 324,334; May 14; Serial No. 359,492; published Feb. 19, 1935.
Boots and shoes. J. K. Orr Shoe Company. 324,179; May 14; Serial No. 357,254; published Jan. 15, 1935.
Boots and shoes. Selby Shoe Company. 324,205; May 14; Serial No. 358,815; published Feb. 5, 1935.
Boots, shoes, slippers, etc. M. Katz, Inc. 324,209; May 14; Serial No. 358,933; published Mar. 5, 1935.
Boots, shoes, slippers, etc. Sherman Bros. Mfg. Co. 324,149; May 14; Serial No. 358,338; published Jan. 15, 1935.
Brassières and bust bodices. Charnaux Patent Corset Company Limited. 324,140; May 14; Serial No. 358,008; published Jan. 15, 1935.
Brassières and corsets. H & W Company. 324,289; May 14; Serial No. 359,582; published Feb. 26, 1935.
Brassières, bandeaux, corsets, etc. Modern Youth Brassiere Co. 324,217; May 14; Serial No. 359,235; published Feb. 19, 1935.
Brassières, nightgowns, slips, etc. Renee of Hollywood. 324,196; May 14; Serial No. 360,044; published Mar. 5, 1935.
Clothing. La Societe Anonyme Revillon Freres. 324,260; May 14; Serial No. 354,301; published Jan. 15, 1935.
Clothing. La Societe Anonyme Revillon Freres. 324,262; May 14; Serial No. 354,299; published Jan. 15, 1935.
Clothing, Norwich Knitting Company. 324,180; May 14; Serial No. 357,203; published Feb. 5, 1935.
Clothing, Men's. Wm. T. Knott Company. 324,185; May 14; Serial No. 357,014; published Jan. 22, 1935.
Clothing, Men's and boys'. Marshall Field & Company. 324,283; May 15; Serial No. 359,715; published Feb. 26, 1935.
Clothing, Women's, misses', and children's. Associated Merchandising Corporation. 324,131; May 14; Serial No. 360,021; published Mar. 5, 1935.
Coats and suits, dresses, blouses, hats, etc. Neva-Wet Corporation of America, Inc. 324,204; May 14; Serial No. 358,781; published Mar. 5, 1935.
Coats and suits, dresses, blouses, hats, etc. Neva-Wet Corporation of America, Inc. 324,308; May 14.
Coats, dresses and hats, Women's. Kathleen Incorporated. 324,345; May 14; Serial No. 355,158; published Mar. 5, 1935.

Coats, Motoring. La Societe Anonyme Revillon Freres. 324,259; May 14; Serial No. 354,304; published Jan. 15, 1935.
Coats, Motoring. La Societe Anonyme Revillon Freres. 324,261; May 14; Serial No. 354,300; published Jan. 15, 1935.
Corsets. Kabo Corset Company. 324,097; May 14; Serial No. 357,636; published Mar. 5, 1935.
Corsets, corselets, brassières, etc. Leading Brassiere Co. 324,319; May 14; Serial No. 356,039; published Mar. 5, 1935.
Dresses, Jack Saxe Dress Corporation. 324,121; May 14; Serial No. 358,502; published Feb. 19, 1935.
Dresses and frocks, Cotton. S. Friedman. 324,402; May 14.
Dresses and jackets. Cleo Costume Co. 324,132; May 14; Serial No. 360,026; published Feb. 26, 1935.
Dresses, coats, pajamas, etc. Harzfeld's, Inc. 324,269; May 14; Serial No. 352,790; published Jan. 29, 1935.
Dresses, skirts, hats, etc. Empire Imports. 324,148; May 14; Serial No. 358,241; published Jan. 15, 1935.
Fabric stiffener elements used in tailoring coats. Freydberg Philadelphia Pad and Binding Company. 324,343; May 14; Serial No. 355,617; published Jan. 1, 1935.
Galoshes and arctics. R. H. Macy & Co. 324,203; May 14; Serial No. 358,777; published Mar. 5, 1935.
Garments, Outer. Crawford Manufacturing Co. 324,315; May 14; Serial No. 356,216; published Feb. 26, 1935.
Garments, Women's nether. P. Julius. 324,307; May 14; Serial No. 356,667; published Jan. 8, 1935.
Gloves and gauntlets. Toledo Glove Manufacturing Company. 324,377; May 14; Serial No. 359,734; published Mar. 5, 1935.
Hats. Best & Co. 324,109; May 14; Serial No. 357,940; published Jan. 15, 1935.
Hats. Hat Corporation of America. 324,210; May 14; Serial No. 358,985; published Feb. 12, 1935.
Hats. Hat Corporation of America. 324,229; May 14; Serial No. 359,087; published Feb. 12, 1935.
Hats and hat bodies for women and children. Henry Pollak, Inc. 324,095; May 14; Serial No. 357,563; published Jan. 22, 1935.
Hats, bonnets, and berets, Women's, misses', and children's. May Department Stores Company. 324,267; May 14; Serial No. 352,943; published Feb. 19, 1935.
Hats, Felt. Frank H. Lee Company. 324,338; May 14; Serial No. 359,430; published Feb. 19, 1935.
Hats for men, Felt. Katz Konrad Hat Co. 324,314; May 14; Serial No. 356,252; published Feb. 5, 1935.
Hats, Girls' and women's. Universal Hat Works. 324,231; May 14; Serial No. 359,066; published Feb. 19, 1935.
Hats, Ladies'. Rothlan Hats, Inc. 324,182; May 14; Serial No. 357,060; published Jan. 15, 1935.
Hats, Ladies', misses', and children's. B. Sims Corporation. 324,254; May 14; Serial No. 354,811; published Feb. 12, 1935.
Hats, Men's. Adam Hat Stores, Inc. 324,106–8; May 14; Serial Nos. 357,935–7; published Feb. 5, 1935.
Heels, Rubber. O'Sullivan Rubber Co. 324,183; May 14; Serial No. 357,058; published Feb. 5, 1935.
Hose, Men's. Conover Knitting Company. 324,370; May 14; Serial No. 359,847; published Feb. 19, 1935.
Hosiery. H. C. Aberle Co. 324,392; May 14.
Hosiery. Berkshire Knitting Mills. 324,291; May 14.
Hosiery and knitted underwear. Mandel & Cohen. 324,207; May 14; Serial No. 358,886; published Feb. 26, 1935.
Millinery. Goldberg Millinery Company. 324,127; May 14; Serial No. 358,642; published Feb. 5, 1935.
Millinery. New Era Hats, Inc. 324,110; May 14; Serial No. 357,959; published Feb. 19, 1935.
Neckties and mufflers. D. H. Neumann. 324,360; May 14; Serial No. 346,752; published Apr. 24, 1934.
Neckties and sweaters. L. Effenberg. 324,237; May 14; Serial No. 350,941; published Feb. 12, 1935.
Neckties, cravats, mufflers, and scarfs. B. W. Mayer, Ltd. 324,363; May 14; Serial No. 347,808; published Jan. 15, 1935.
Outer wear, Knitted. New York Knitting Mills, Inc. 324,120; May 14; Serial No. 358,490; published Jan. 15, 1935.
Overcoats, Men's. N. Hollander. 324,216; May 14; Serial No. 359,254; published Feb. 26, 1935.
Pajamas. Leybro Mfg. Co. 324,371; May 14; Serial No. 359,803; published Feb. 19, 1935.
Pants and play suits, Boys'. J. C. Penney Company. 324,367; May 14; Serial No. 359,894; published Feb. 26, 1935.
Pants, riding breeches, and play suits, Boys'. J. C. Penney Company. 324,368; May 14; Serial No. 359,893; published Feb. 19, 1935.
Shirts, Men's dress. Style Kraft Shirt Corporation. 324,285; May 14; Serial No. 359,678; published Feb. 19, 1935.
Shirts, pajamas, and shorts. Broom & Newman. 324,265; May 14; Serial No. 353,854; published Feb. 19, 1935.
Shirts, pajamas, and underwear. Enro Shirt Co. 324,339; May 14; Serial No. 359,428; published Feb. 19, 1935.
Shoes. A/S Haldens Skotoifabrik. 324,310; May 14; Serial No. 356,431; published Mar. 5, 1935.
Shoes. H. Bashkes. 324,351; May 14; Serial No. 342,824; published Apr. 10, 1934.

Shoes. Cannon Shoe Company. 324,280; May 14; Serial No. 358,897; published Jan. 1, 1935.
Shoes. M. Deutsch. 324,096; May 14; Serial No. 357,502; published Jan. 15, 1935.
Shoes. A. Freedman & Sons, Inc. 324,114; May 14; Serial No. 358,432; published Feb. 5, 1935.
Shoes. Kahler Shoe Co. 324,147; May 14; Serial No. 358,183; published Mar. 5, 1935.
Shoes. H. C. Milens. 324,313; May 14; Serial No. 356,264; published Feb. 26, 1935.
Shoes. Saks and Company. 324,234; May 14; Serial No. 351,872; published Feb. 19, 1935.
Shoes. C. A. Seltser, Jr. 324,232; May 14; Serial No. 352,553; published Jan. 1, 1935.
Shoes and slippers. J. Smith. 324,128–9; May 14; Serial No. 358,657–8; published Feb. 19, 1935.
Shoes and slippers. J. Smith. 324,130; May 14; Serial No. 358,660; published Feb. 5, 1935.
Shoes and slippers. J. Smith. 324,198; May 14; Serial No. 358,663; published Feb. 5, 1935.
Shoes and slippers. J. Smith. 324,199; May 14; Serial No. 358,661; published Feb. 19, 1935.
Shoes, Athletic. Witchell-Sheill Co. 324,181; May 14; Serial No. 357,163; published Jan. 22, 1935.
Shoes for women. Edison Brothers Stores, Inc. 324,258; May 14; Serial No. 354,349; published Jan. 8, 1935.
Shoes, Ladies'. Diana Shoe Corp. 324,145; May 14; Serial No. 358,172; published Feb. 19, 1935.
Shoes, Ladies'. I. Miller and Sons Inc. 324,142; May 14; Serial No. 358,145; published Feb. 5, 1935.
Shoes, Men's. Sears, Roebuck and Co. 324,152; May 14; Serial No. 358,389; published Feb. 19, 1935.
Suits, Men's and boys'. Famous-Sternberg Inc. 324,375; May 14; Serial No. 359,742; published Feb. 26, 1935.
Shoes, slippers, and sandals. S. Weiner. 324,250; May 14; Serial No. 359,333; published Mar. 5, 1935.
Shoes, Women's. Sherwood Shoe Company. 324,330; May 14; Serial No. 355,043; published Feb. 19, 1935.
Shoes, Women's. Thing's Shoe Stores, Inc. 324,144; May 14; Serial No. 358,165; published Jan. 15, 1935.
Slippers made of sheepskin. Mondi Manufacturing Company. 324,150; May 14; Serial No. 358,349; published Feb. 26, 1935.
Socks, mens union suits, shirts, etc. J. David. 324,124; May 14; Serial No. 358,584; published Feb. 19, 1935.
Suits, shower capes, and rubber gloves, Bathing. Seamless Rubber Company. 324,113; May 14; Serial No. 357,995; published Jan. 8, 1935.
Sweaters, baseball and track uniforms, etc., Knitted. H. Fisher. 324,212; May 14; Serial No. 359,302; published Mar. 5, 1935.
Toes for shoes, Box. Armstrong Cork & Insulation Company. 342,362; May 14; Serial No. 347,778; published Mar. 5, 1935.
Underwear. Celanese Corporation of America. 324,378; May 14.
Underwear, hosiery, and gloves. Van Raalte Company. 324,251; May 14; Serial No. 359,332; published Mar. 5, 1935.
Underwear, polo shirts, sweaters, etc. William H. Shelp & Company. 324,226–7; May 14; Serial Nos. 359,148–9; published Feb. 19, 1935.
Underwear. Women's. Sussberg & Felnberg, Inc. 324,221; May 14; Serial No. 359,188; published Feb. 12, 1935.
Underwear. Women's. Susberg & Felnberg, Inc. 324,230; May 14; Serial No. 359,061; published Feb. 12, 1935.
Union suits, two piece under garments, and bathing suits. Augusta Knitting Corporation. 324,309; May 14.

CLASS 40

Bandeaux, Hair. Elizabeth Arden. 324,099; May 14; Serial No. 357,703; published Jan. 1, 1935.
Bindings, Blanket. Chatham Manufacturing Company. 324,123; May 14; Serial No. 358,549; published Feb. 5, 1935.
Buckles, Belt. Phillips Petroleum Company. 324,154; May 14; Serial No. 340,785; published Jan. 22, 1935.
Buttons. Rochester Button Company. 324,126; May 14; Serial No. 358,613; published Feb. 26, 1935.
Combs, Electric. C. G. Lindholm. 324,125; May 14; Serial No. 358,598; published Feb. 5, 1935.
Dress-shields. Brooklyn Shield & Rubber Co. 103,151; renewed Mar. 16, 1935.
Elastic webbing, Narrow. Southern Webbing Mills, Inc. 324,316; May 14; Serial No. 356,201; published Feb. 5, 1935.
Elastics, etc. Shelton Textile Fabric Co. 324,288; May 14; Serial No. 359,634; published Feb. 26, 1935.
Hair curler. L. W. Humphrey. 324,358; May 14; Serial No. 346,362; published Feb. 19, 1935.
Hair goods. American Yvette Company. 324,122; May 14; Serial No. 358,544; published Feb. 5, 1935.
Hairpins. Scolding Locks Corporation. 324,352; May 14; Serial No. 344,016; published Jan. 15, 1935.
Hairpins and bobby pins. Scolding Locks Corporation. 324,094; May 14; Serial No. 357,396; published Jan. 8, 1935.
Pins, Knitting. Bernhard Ulmann Co. Inc. 324,224; May 14; Serial No. 359,156; published Feb. 26, 1935.

CLASS 42

Awning fabrics and canvas goods. Crawford Manufacturing Co. 324,286; May 14; Serial No. 359,051; published Mar. 5, 1935.
Blankets. Esmond Mills. 324,290; May 14; Serial No. 359,577; published Feb. 26, 1935.
Blankets. J. C. Penney Company. 324,098; May 14; Serial No. 357,679; published Jan. 1, 1935.
Bolting and stencil cloth. Schweizerische Seidengazefabrik A. G. 324,111; May 14; Serial No. 357,962; published Jan. 8, 1935.
Cloth in the piece of cotton, silk, linen, etc. Queen Valley Fabrics, Inc. 324,222; May 14; Serial No. 359,183; published Mar. 5, 1935.
Cotton and/or rayon textile. Cold Spring Bleachery. 324,233; May 14; Serial No. 352,031; published Jan. 8, 1935.
Curtains and window shade cloth, and lace curtains, Textile. Queen Valley Fabrics, Inc. 324,223; May 14; Serial No. 359,182; published Mar. 5, 1935.
Elastic shoe fabrics, Broad. Carl Stohn, Inc. 324,117; May 14; Serial No. 358,458; published Feb. 5, 1935.
Fabrics in the piece. Clarence S. Brown & Company. 324,213; May 14; Serial No. 359,294; published Mar. 5, 1935.
Fabrics of wool, cotton, etc. Botany Worsted Mills. 324,200; May 14; Serial No. 358,667; published Feb. 19, 1935.
Handkerchiefs. International Handkerchief Mfg. Co. 324,218; May 14; Serial No. 359,224; published Mar. 5, 1935.
Piece goods. N. Erlanger, Blumgart & Co. 324,151; May 14; Serial No. 358,364; published Jan. 29, 1935.
Piece goods. W. F. Stalp Co. 324,184; May 14; Serial No. 357,024; published Jan. 15, 1935.
Piece goods, Knitted. Josef Knitted Fabrics Company. 324,102; May 14; Serial No. 357,822; published Jan. 8, 1935.
Ribbon sold by the bolt. W. & G. Ribbon Company. 324,333; May 14; Serial No. 359,528; published Mar. 5, 1935.
Rugs and carpets, Textile. M. J. Whittall. 103,458; renewed Apr. 6, 1935.
Rugs, Woven and textile. Marshall Field & Company. 324,100–1; May 14; Serial Nos. 357,811–12; published Jan. 8, 1935.
Sheets and pillowcases. Cannon Mills Company. 324,276; May 14; Serial No. 356,996; published Jan. 22, 1935.
Sheets and pillowcases. Cannon Mills Company. 324,277; May 14; Serial No. 356,995; published Jan. 1, 1935.
Sheets and pillowcases, Cotton. McGreevey, Werring & Howell, Inc. 324,208; May 14; Serial No. 358,887; published Feb. 5, 1935.
Silk, cotton, and rayon fabrics, Waterproofed. Sherman Fabric Products, Inc. 324,308; May 14; Serial No. 356,546; published Mar. 5, 1935.
Silk fabrics. Onondaga Silk Company. 324,255; May 14; Serial No. 354,471; published Jan. 15, 1935.
Silk piece goods. E. S. Mendelson & Co. Inc. 324,253; May 14; Serial No. 354,942; published Feb. 12, 1935.
Textile fabrics in the piece made of silk. Colcombet François & Cie Société Anonyme. 324,346; May 14; Serial No. 355,094; published Mar. 5, 1935.
Woolen overcoating cloths, Men's. Isaac Carr & Company Limited. 324,239; May 14; Serial No. 350,886; published Jan. 8, 1935.
Woolen piece goods. Hamilton Woolen Company. 324,355; May 14; Serial No. 345,865; published Feb. 19, 1935.
Woolen piece goods. Linker & Herbert, Inc. 324,281; May 14; Serial No. 356,881; published Jan. 15, 1935.

CLASS 43

Yarns. Patons & Baldwins, Limited. 324,115; May 14; Serial No. 358,445; published Jan. 29, 1935.

CLASS 44

Medical and surgical appliances, General. Burrows Company. 324,118; May 14; Serial No. 358,469; published Mar. 5, 1935.

CLASS 45

Beverages, Maltless. C. D. Griffin. 324,348; May 14; Serial No. 356,722; published Jan. 1, 1935.

CLASS 46

Bacon. Rath Packing Company. 324,188; May 14; Serial No. 360,241; published Mar. 5, 1935.
Bologna, and similar sausage products. E. Campany. 324,388; May 14.
Bread. General Baking Company. 103,230; renewed Mar. 23, 1935.
Bread. T. W. Woodworth. 324,252; May 14; Serial No. 354,970; published Mar. 5, 1935.
Bread. T. W. Woodworth. 324,327–9; May 14; Serial Nos. 354,971–3; published Mar. 5, 1935.
Candy and a food in powdered form. J. F. Dille. 324,256; May 14; Serial No. 355,463; published Mar. 5, 1935.
Canned, dried, preserved, and evaporated fruits, canned and dried vegetables, etc. Market Wholesale Groceries, Inc. 324,242; May 14; Serial No. 349,423; published Mar. 5, 1935.

Canned goods. Gabriele Gambardella & Figli. 324,354; May 14; Serial No. 345,864; published Mar. 5, 1935.
Confectionery. Scharf Bros. Co. Inc. 324,386; May 14.
Feed for live stock, Mixed. International Sugar Feed No. Two Co. 104,329; renewed May 18, 1935.
Feed, Stock. Salinax Company. 324,340; May 14; Serial No. 355,853; published Mar. 5, 1935.
Feeds, Live stock and poultry. Vitamax Mills, Inc. 324,235; May 14; Serial No. 351,833; published Feb. 26, 1935.
Flour. Richland Milling Company. 324,282; May 14; Serial No. 359,727; published Mar. 5, 1935.
Flour, Wheat. Standard-Tilton Milling Co. 105,144; renewed July 6, 1935.
Foods. Societe Anonyme; des Etablissements Rouzaud "A La Marquise de Sevigne" Chocolat de Royat. 105,967; renewed Aug. 14, 1935.
Fruits, Citrus. Mupu Citrus Assn. 324,241; May 14; Serial No. 350,705; published June 19, 1934.
Fruits, Fresh citrus. S. A. Gerrard Co. 324,119; May 14; Serial No. 358,478; published Mar. 5, 1935.
Grapefruit juice and blended orange and grapefruit juice. Florida Fruit Canners, Inc. 324,215; May 14; Serial No. 359,273; published Mar. 5, 1935.
Grapefruit juice and blended orange and grapefruit juice. Florida Fruit Canners, Inc. 324,395; May 14.
Gum and candy, Chewing. Frank H. Fleer Corporation. 104,508; renewed June 1, 1935.
Oleomargarin and butterin. John F. Jelke Company. 103,320–1; renewed Mar. 30, 1935.
Oleomargarin and butterin. John F. Jelke Company. 104,148; renewed May 4, 1935.
Peanuts and peanut-butter. Fletcher & Wilson Coffee Co. 104,609; renewed June 8, 1935.
Potato chips and chili. R. Lindemann. 324,317; May 14; Serial No. 356,118; published Mar. 5, 1935.
Preserves, Fruit. Best-Clymer Mfg. Co. 90,393; renewed Apr. 21, 1934.
Sausages. Deerfoot Farms Company. 324,331; May 14; Serial No. 359,575; published Mar. 5, 1935.
Spices and seasonings, gelatine, etc. Preservaline Manufacturing Co. 324,312; May 14; Serial No. 356,270; published Dec. 25, 1934.
Tea. Francis H. Leggett & Company. 104,070; renewed Apr. 27, 1935.
Water cress. C. E. Dennis. 324,299; May 14; Serial No. 360,528; published Mar. 5, 1935.

CLASS 47

Wine, Sherry. E. L. Spellman Co. 324,303; May 14; Serial No. 360,496; published Mar. 5, 1935.
Wines. C. Buswell & Company Limited. 324,376; May 14; Serial No. 359,739; published Mar. 5, 1935.
Wines. J. Calvet & Cie, S. A. R. L. 324,359; May 14; Serial No. 346,677; published Mar. 5, 1935.
Wines, Childs Company. 324,357; May 14; Serial No. 346,107; published Mar. 5, 1935.
Wines. Guimarraens & Co. 324,374; May 14; Serial No. 359,746; published Mar. 5, 1935.
Wines, St. George Winery. 324,318; May 14; Serial No. 356,082; published Mar. 5, 1935.

CLASS 48

Beer. Pittsburgh Brewing Company. 103,596; renewed Apr. 6, 1935.
Beer. Pittsburgh Brewing Company. 104,479; renewed June 1, 1935.

CLASS 49

Alcohol, rums, brandies, etc., Ethyl. Jose Arechabala S. A. 324,384–5; May 14.
Brandy, gin, whiskey, etc. McKesson & Robbins, Incorporated. 324,297; May 14; Serial No. 360,598; published Mar. 5, 1935.
Gin, Conron, Inc. 324,274–5; May 14; Serial Nos. 360,462–3; published Mar. 5, 1935.
Gin. Hearn Department Stores, Inc. 324,400; May 14.
Gin. Popper Morson Co. Inc. 324,206; May 14; Serial No. 360,694; published Mar. 5, 1935.
Gin. Sontag Chain Stores Co. Ltd. 324,136; May 14; Serial No. 360,734; published Mar. 5, 1935.
Gin, whiskey, and brandy. Goodman & Beer Co. 324,341; May 14; Serial No. 355,672; published Oct. 9, 1934.
Gin, whiskey, rum, etc. West Shore Wine & Liquor Company. 324,247; May 14; Serial No. 359,380; published Mar. 5, 1935.
Liqueurs, Anise. P. R. Ocejo. 324,240; May 14; Serial No. 350,864; published Mar. 5, 1935.
Rum. Societe Anonyme Coloniale Ernest Lambert & Cie. 324,225; May 14; Serial No. 359,150; published Mar. 5, 1935.
Rum, gin, whiskey, etc. Mar-Salle Chicago Company. 324,393; May 14.

Syrups, fruit juices and extracts for flavoring alcoholic liquors. California Fruit Products Co. 324,236; May 14; Serial No. 351,292; published Mar. 5, 1935.
Whiskey. George Benz Sons, Inc. 324,287; May 14; Serial No. 359,649; published Mar. 5, 1935.
Whiskey. Brunswig Drug Co. 324,157; May 14; Serial No. 360,458; published Mar. 5, 1935.
Whiskey, Conron, Inc. 324,272–3; May 14; Serial Nos. 360,464–5; published Mar. 5, 1935.
Whiskey. Conron, Inc. 324,306; May 14; Serial No. 360,466; published Mar. 5, 1935.
Whiskey. Greenspan Brothers Company. 324,298; May 14; Serial No. 360,588; published Mar. 5, 1935.
Whiskey. M. S. Griffler Import Co. 324,174; May 14; Serial No. 360,312; published Mar. 5, 1935.
Whiskey. Hamburger Company. 324,133; May 14; Serial No. 360,668; published Mar. 5, 1935.
Whiskey. Hearn Department Stores, Inc. 324,173; May 14; Serial No. 360,314; published Mar. 5, 1935.
Whiskey. Lionel Distilled Products, Inc. 324,191–3; May 14; Serial Nos. 360,194–6; published Mar. 5, 1935.
Whiskey. Maryland Wine & Spirits Corporation. 324,176; May 14; Serial No. 360,288; published Mar. 5, 1935.
Whiskey. Maryland Wine & Spirits Corporation. 324,186; May 14; Serial No. 360,287; published Mar. 5, 1935.
Whiskey. McKesson & Robbins, Incorporated. 324,161; May 14; Serial No. 360,427; published Mar. 5, 1935.
Whiskey. E. L. Spellman Co. 324,302; May 14; Serial No. 360,497; published Mar. 5, 1935.
Whiskey. E. L. Spellman Co. 324,304; May 14; Serial No. 360,494; published Mar. 5, 1935.
Whiskey. Spring Grove Distilling Co. 324,135; May 14; Serial No. 360,689; published Mar. 5, 1935.
Whiskey. Spring Grove Distilling Co. 324,137; May 14; Serial No. 360,690; published Mar. 5, 1935.
Whiskey. Spring Grove Distilling Co. 324,301; May 14; Serial No. 360,499; published Mar. 5, 1935.
Whiskey. Hiram Walker & Sons, Inc. 324,264; May 14; Serial No. 353,048; published Mar. 5, 1935.
Whiskey. Hiram Walker & Sons, Inc. 324,266; May 14; Serial No. 353,047; published Mar. 5, 1935.
Whiskey. Hiram Walker & Sons, Inc. 324,270–1; May 14; Serial Nos. 352,561–2; published Mar. 5, 1935.
Whiskey. Weideman Co. 324,187; May 14; Serial No. 360,256; published Mar. 5, 1935.
Whiskey. Weideman Company. 324,238; May 14; Serial No. 351,149; published Mar. 5, 1935.
Whiskey, brandy, gin, etc. E. Kahn & Co. 324,194; May 14; Serial No. 360,176; published Mar. 5, 1935.
Whiskey, etc. Childs Company. 324,356; May 14; Serial No. 346,106; published Mar. 5, 1935.
Whiskey, gin, and brandy. Scottish Importing Corp. 324,104; May 14; Serial No. 357,840; published Mar. 5, 1935.
Whiskey, gin, brandy, etc. Montebello Distillers, Incorporated. 324,305; May 14; Serial No. 360,483; published Mar. 5, 1935.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 324,163; May 14; Serial No. 360,401; published Mar. 5, 1935.
Whiskey, gin, rum, etc. Felsen Inc. 324,294; May 14; Serial No. 360,630; published Mar. 5, 1935.
Whiskey, gin, rum, etc. General Distilleries Corp. 324,138–9; May 14; Serial Nos. 360,769–70; published Mar. 5, 1935.
Whiskey, gin, rum, etc. Hopkins Company. 324,219; May 14; Serial No. 359,223; published Mar. 5, 1935.
Whiskey, gin, rum, etc. E. Kahn & Co. 324,291–3; May 14; Serial Nos. 360,636–8; published Mar. 5, 1935.
Whiskey, gin, rum, etc. Limestone Distillery, Incorporated. 324,134; May 14; Serial No. 360,674; published Mar. 5, 1935.
Whiskey, gin, rum, etc. N. N. Wallack. 324,195; May 14; Serial No. 360,153; published Mar. 5, 1935.
Whiskey, Rye. Marvin and Snead, Inc. 324,189; May 14; Serial No. 360,232; published Mar. 5, 1935.
Whisky. E. L. Spellman Co. Inc. 324,248; May 14; Serial No. 359,370; published Mar. 5, 1935.

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Individual plant in the nature of a collapsible receptacle for use in fumigating and devermnizing. H. J. Kerlin. 324,178; May 14; Serial No. 357,320; published Mar. 5, 1935.
Closure caps and openers therefor. Anchor Cap & Closure Corporation. 324,228; May 14; Serial No. 359,107; published Feb. 5, 1935.
Colored paper figures, similar to large sized paper dolls used by designers of clothting and instructors of clothing design. C. C. Wilkinson. 324,349; May 14; Serial No. 356,826; published Mar. 5, 1935.
Paper, more particularly, a rubber impregnated pyroxylin coated paper adapted for use as an artificial leather. Athol Manufacturing Company. 324,105; May 14; Serial No. 357,850; published Mar. 5, 1935.

LIST OF LABELS

Arch Improver. For Shoes. Bird & Son, Inc. 45,568; May 14.

Deluxe Shu-Stilea Footwear. For Footwear. Bird & Son, Inc. 45,567; May 14.

Extra Film Tension Means Safe Lubrication. For Motor Oil. Universal Motor Oils Company. 45,582; May 14.

General Antisepto. For an Antiseptic Solution. E. E. Steiner. 45,578; May 14.

Holmespray. For Throat and Nasal Atomizers. T. J. Holmes Co. Inc. 45,570; May 14.

Kaukauna Klub. For Cheese Food. South Kaukauna Dairy Company. 45,575; May 14.

Lab-Test Rock & Mineral Set. For an Educational Set for Boys. Lab-Test Company. 45,571; May 14.

Lotion Dalva. For a Lotion. R. D. Dalva. 45,569; May 14.

Pompernickel Bread. For Pompernickel Bread. I. Mosh Pompernickel Co. 45,572; May 14.

Pre-judged on All Nine Points. For Distilled Alcoholic Liquors. United Distillers (of America) Ltd. 45,581; May 14.

S. O. S. For Scouring Pads. S. O. S. Company. 45,573; May 14.

Sorensen's Porcupine Distiller. For a Distiller. E. N. Sorensen. 45,574; May 14.

Staley's Gloss Starch. For Gloss Starch. A. E. Staley Manufacturing Company. 45,576; May 14.

St^e Pierre Smirnoff Fils. For Vodka. St^e Pierre Smirnoff Fils, Incorporated. 45,577; May 14.

Tetley Elephant Brand. For Tea. Joseph Tetley & Co. 45,579; May 14.

Tetley Orange Pekoe & Pekoe. For Tea. Joseph Tetley & Co. 45,580; May 14.

LIST OF PRINTS

Carson's has put the Sum Total of New Spring Fashions into These Coats and Suits. For Ladies' Ready-to-Wear Garments. Carson Pirie Scott & Company. 15,139; May 14.

Carson's meets Spring more than Half Way with a Great Sale of New Frocks. For Ladies' Ready-to-Wear Garments. Carson Pirie Scott & Company. 15,141; May 14.

Elizabeth Arden—Artist in Skin Tones. For Powder. Elizabeth Arden Sales Corporation. 15,138; May 14.

Every Day She Burns up as much Energy as a Champion Sprinter. For Wheat Breakfast Food. Cream of Wheat Corporation. 15,142; May 14.

For a Lily-Like Skin. For Cleansing Cream, Skin Cream, and Skin Tonic. Elizabeth Arden Sales Corporation. 15,137; May 14.

Free Groceries for One Year from Your Favorite Grocer! For Flour. General Mills, Inc. 15,143; May 14.

Frocks that make Fashion News Presented in Dramatic Versions at Carson's in the Sports Shop and Better Frocks Sections. For Ladies' Ready-to-Wear Garments. Carson Pirie Scott & Company. 15,140; May 14.

Hot? . . Tired? . . Thirsty? . . It's Time for Pabst. For Beer and Ale. Premier-Pabst Corporation. 15,147; May 14.

It's Time for Pabst—, No. 3099. For Beer and Ale. Premier-Pabst Corporation. 15,148; May 14.

It's Time for Pabst—, No. 3,100. For Beer and Ale. Premier-Pabst Corporation. 15,149; May 14.

Junket Mix. For a Preparation for Making Ice Cream in Automatic Refrigerator or Hand Freezer. Chr. Hansen's Laboratory Inc. 15,144; May 14.

Might Master Stroke. For Men's, Women's, and Children's Outer and Under Clothing, Sheets, etc. Maison Blanche Company. 15,145; May 14.

Snapshots of Modern Bakers. For Baker's Malt. Premier-Pabst Corporation. 15,146; May 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating petroleum hydrocarbons. 19,568; May 14.

Gasoline Products Company. (See Cross, Roy, assignor.)

Goldberg, Samuel D., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Anesthetic composition. 19,569; May 14.

Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Method and apparatus for cementing wells. 19,570; May 14.

Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)

Kramer, Henry H. (See Schmidt, F. A., and Kramer.)

Novocol Chemical Mfg. Co. Inc. (See Goldberg, Samuel D., assignor.)

Schmidt, Folkert A., and H. H. Kramer, assignors to Stahl-Urban Company, Terre Haute, Ind. Manufacturing Garments. 19,571; May 14.

Stahl-Urban Company. (See Schmidt, F. A., and Kramer, assignors.)

LIST OF DESIGN PATENTEES

American Spirits, Inc. (See Kessler, Sidney, assignor.)

Andrews, Charles T., assignor to Marvin Nelson, Montreal, Quebec, Canada. Lamp. 95,571; May 14.

Annick, Michael, assignor to F. Wesel Manufacturing Company, Scranton, Pa. Shaving machine. 95,572; May 14.

Ball Brothers Company. (See Petty, Fred J., assignor.)

Bel Geddes, Norman, New York, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Dish. 95,573; May 14.

Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)

Bennett, John L., and S. A. Platt, Decatur, Ill. Grill utensil. 95,574; May 14.

Birtman Electric Company. (See Morgan, John R., assignor.)

Blood, Mayme E., Downers Grove, Ill., assignor to Collingbourne Mills, Inc., Elkin, Ill. Crocheted brassière. 95,575; May 14.

Blue Plate Foods, Inc. (See Smith, Frasier, assignor.)

Brenner, George M., Oak Park, Ill. Bottle. 95,576; May 14.

Brinckerhoff, Phil, Los Angeles, assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif. Console heater. 95,577; May 14.

Carson, Oswald B., Scarsdale, N. Y. Spectacle temple. 95,578; May 14.

Celluloid Corporation. (See Marder, Leo, assignor.)

Chatham Manufacturing Company. (See Neaves, William A., assignor.)

Collingbourne Mills, Inc. (See Blood, Mayme E., assignor.)

Continental Distilling Corporation. (See Kessler, Frank T., assignor.)

Dictograph Products Company. (See Koch, Henry, assignor.)

Dunbar, George S., Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio. Glass plate or article of similar nature. 95,579; May 14.

Eck, Joseph B., Sheboygan, Wis. Coaster wagon. 95,580; May 14.

Federal Glass Company. (See Dunbar, George S., assignor.)

Forstmann, Curt E., Montclair, N. J. Textile fabric. 95,581; May 14.

Fry, Benjamin W., St. Louis, Mo. Vending machine casing. 95,582; May 14.

Galway, John A., New York, N. Y. Shoe. 95,583; May 14.

Gibbs, Leon M., Birmingham, Ala. Game apparatus. 95,584; May 14.

Harman, Emil, assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Combined controlling and indicating device for radioreceivers. 95,585; May 14.

Harvey, Harold C., assignor to Harvey Paper Products Company, Sturgis, Mich. Liner for sink strainers. 95,586; May 14.

Harvey Paper Products Company. (See Harvey, Harold C., assignor.)

Herberts Machinery Company. (See Merrigan, William J., assignor.)

Hershau, Nathan, New York, N. Y. Finger ring or the like. 95,587; May 14.

Holsman, Isidore, Chicago, Ill. Illuminated advertising sign or similar article. 95,588; May 14.

Kessler, Frank T., assignor to Continental Distilling Corporation, Philadelphia, Pa. Bottle. 95,589; May 14.

Kessler, Sidney, assignor to American Spirits, Inc., New York, N. Y. Bottle. 95,590; May 14.

Koch, Henry, assignor to Dictograph Products Company, Inc., Jamaica, N. Y. Cabinet for telephone equipment. 95,591; May 14.

Kramer, Arthur L., Dallas, Tex. Plate or similar article. 95,592; May 14.

Kramer, Arthur L., Dallas, Tex. Tumbler or similar article. 95,593; May 14.

Kramer, Arthur L., Dallas, Tex. Goblet or similar article. 95,594; May 14.

Kreidler, Urban A., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Pastry cup. 95,595; May 14.

Lewis, Florence N., New York, N. Y. Bottle. 95,596; May 14.

Lobel, Paul A., New York, N. Y. Dispenser for cups or the like. 95,597; May 14.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for a hand telephone. 95,598; May 14.

Marder, Leo, Brooklyn, N. Y., assignor to Celluloid Corporation, Trny. 95,599; May 14.

Merrigan, William J., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif. Bench saw. 95,600; May 14.

Merrigan, William J., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif. Band saw. 95,601; May 14.

Merrigan, William J., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif. Jig saw. 95,602; May 14.

Morgan, John R., Oak Park, assignor to Birtman Electric Company, Chicago, Ill. Casing for vacuum cleaners. 95,603; May 14.

Morgan, John R., Oak Park, assignor to Birtman Electric Company, Chicago, Ill. Casing for vacuum cleaners. 95,604; May 14.

Moulded Pulp Corporation. (See Plunkett, Paul, assignor.)

National Biscuit Company. (See Kreidler, Urban A.)

Neaves, William A., Elkin, N. C., assignor to Chatham Manufacturing Company, Winston-Salem, N. C. Knit fabric. 95,605; May 14.

Nelson, Marvin. (See Andrews, Charles T., assignor.)

Parsons, Paul L., Belvidere, Ill. Casket handle. 95,606; May 14.

Payne Furnace & Supply Company. (See Brinckerhoff, Phil, assignor.)

Petty, Fred J., assignor to Ball Brothers Company, Muncie, Ind. Glass jar. 95,607; May 14.

Pfeil, Arthur P., Buffalo, N. Y. Window silencer. 95,608; May 14.

Philco Radio & Television Corporation. (See Harman, Emil, assignor.)

Platt, Stephen A. (See Bennett, J. L., and Platt.)

Plunkett, Paul, Greenwich, Conn., assignor to Moulded Pulp Corporation, Dover, Del. Bottle. 95,609; May 14.

Revere Copper and Brass Incorporated. (See Bel Geddes, Norman, assignor.)

Revere Copper and Brass Incorporated. (See Zettler, Emil R., assignor.)

Richardson Company, The. (See Rieser, Oliver O., assignor.)

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,610; May 14.

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,611; May 14.

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,612; May 14.

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,613; May 14.

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,614; May 14.

Riemer, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,615; May 14.

Ritter, Herbert F., Bogota, N. J. Tape measure. 95,616; May 14.

Sakier, George, assignor to Schenley Products Company, New York, N. Y. Bottle. 95,617; May 14.

Saxton, Ellsworth E., Seattle, Wash. Combined folding doll house and yard. 95,618; May 14.

Schenley Products Company. (See Sakier, George, assignor.)

Sikorsky Aircraft Corporation. (See Sikorsky, Igor I., assignor.)

Sikorsky, Igor I., Nichols, assignor to Sikorsky Aircraft Corporation, Stratford, Conn. Airplane. 95,619; May 14.

Smith, Frasier, Wheeling, W. Va., assignor to Blue Plate Foods, Inc., New Orleans, La. Jar. 95,620; May 14.

Wesel, F., Manufacturing Company. (See Annick, Michael, assignor.)

Zettler, Emil R., Deerfield, Ill., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Kettle. 95,621; May 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1935

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Abbott, Scott M., Chicago, Ill. Gas cartridge firing device. 2,001,405; May 14.

Abbott, Scott M., assignor to Crane Packing Company, Chicago, Ill. Dispensing attachment for cans. 2,001,481; May 14.

Abele, Theodore J., assignor to Stuber & Knck Co., Peoria, Ill. Receptacle. 2,001,445; May 14.

Abell, Henry C., Interlaken, N. J. Locking device for nuts, screws, bolts, and the like. 2,001,645; May 14.

Abendroth, Karl W., assignor to General Railway Signal Company, Rochester, N. Y. Testing device and method for signal light reflectors. 2,001,660; May 14.

Abitsch, George, San Francisco, Calif. Duplex stand. 2,001,646; May 14.

Abramson, John H., assignor to Greenlee Bros. & Co., Rockford, Ill. Impact testing machine and method. 2,001,087; May 14.

Adams, Campbell V., Chicago, Ill. Power hammer. 2,000,908; May 14.

Adams, Ross T., R. S. Poole, and M. Raymer, assignors to Kellogg Company, Battle Creek, Mich. Packaging machine. 2,001,175; May 14.

Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)

Air Reduction Company. (See Anderson, James L., assignor.)

Air Reduction Company. (See Schlitt, Joseph L., assignor.)

Akerberg, Carl G., assignor to Giant Grip Manufacturing Company, Oshkosh, Wis. Resilient calk for horseshoes. 2,001,118; May 14.

Akers, John W., Clarkston, Wash. Portable electric lamp. 2,001,406; May 14.

Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)

Aktiebolaget Tonsor. (See Tobias, Werner, assignor.)

Aktiengesellschaft für Stickstoffdünger. (See Welbezahn, K., and Walter, assignors.)

Alcott, Frank H., Jamaica, N. Y. Building construction. 2,000,897; May 14.

Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Gummed paper and preparing. 2,001,049; May 14.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High frequency transmission system for railways. 2,001,514; May 14.

Allegheny Steel Company. (See Browne, Vere R., assignor.)

Allen-Bradley Company. (See Wilms, Gustav O., assignor.)

Allen, Russell B. (See Moore, R. H., and Allen.)

Alsaker, Alfred, assignor to The Delta Star Electric Company, Chicago, Ill. Making self-cleaning contacts. 2,000,909; May 14.

Alt, Eugene C., Brooklyn, N. Y. Steering mechanism. 2,001,647; May 14.

Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Lister planter. 2,001,560; May 14.

Aluminum Company of America. (See Stanley, George J., assignor.)

Amel, Abraham, Pawtucket, R. I. Thread guide for winding machines. 2,001,374; May 14.

American Blind Stitch Machine Company. (See Dearborn, Charles A., assignor.)

American Brake Shoe and Foundry Company, The. (See Poe, Fred M., assignor.)

American Car and Foundry Company. (See Rich, Donald U., assignor.)

American Car and Foundry Motors Company. (See Guernsey, Charles O., assignor.)

American Car and Foundry Motors Company. (See Mathauer, Edmund G., assignor.)

American Cyanamid & Chemical Corporation. (See Daniels, L. C., and Jaeger, assignors.)

American District Telegraph Company. (See Hopkins, Richard M., assignor.)

American Fork & Hoe Company, The. (See Wilcox, Hallie M., assignor.)

American Gas Products Corporation. (See Rasch, William T., assignor.)

American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)

American Moistening Company. (See Loepsinger, A. J., and Trafton, assignors.)

American Steel Foundries. (See Hedgcock, William C., assignor.)

American Steel Foundries. (See Kinne, Edmund P., assignor.)

American Telephone and Telegraph Company. (See Rea, W. T., and Henneberger, assignors.)

American Telephone and Telegraph Company. (See Staples, Elliot M., assignor.)

American Thermos Bottle Company, The. (See Payson, Arthur H., assignor.)

Anderberg, Fritz H., Centerville, S. Dak. Tire inflator. 2,001,233; May 14.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Metal cutting machine. 2,001,294; May 14.

Anglin, Henry J., Morristown, N. J. Transfer file case. 2,001,561; May 14.

Appel, Harry A., New York, and E. LeBlanc, Woodside, N. Y. Automatic toothbrush paste feeder. 2,000,910; May 14.

Arden Box Toe Company. (See Lovell, Stanley P., assignor.)

Arkell, Barlett. (See Jarrier, René, assignor.)

Arkell & Smiths. (See Wikstrom, Frank G., assignor.)

Armour and Company. (See Jordan, Isaac N., assignor.)

Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Blade supporting means for road scrapers. 2,001,648; May 14.

Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)

Arutunoff, Armais, Bartlesville, assignor to Reda Pump Company, Bartlesville, Okla. Submergible electric motor. 2,001,649; May 14.

Ashton Valve Company, The. (See Baker, Harry S., assignor.)

Asklund, Sven J. E., Stockholm, Sweden. Switch for direction indicators. 2,001,234; May 14.

Atlas Tack Corporation. (See Leahy, James F., assignor.)

Atwater Kent Manufacturing Company. See Tarzian, Sarkes, assignor.)

Aubrey, William H., assignor to Frick Company, Waynesboro, Pa. Can dump for ice machines. 2,001,008; May 14.

Audubon Wire Cloth Corporation. (See Gore, Frealon M., assignor.)

Aurynger, John J., Takoma Park, Md. Device for unifying inductances, capacities, and resistances. 2,001,235; May 14.

Autogiro Company of America. (See Pecker, Joseph S., assignor.)

Auto Research Corporation. (See Bijur, Joseph, assignor.)

Babcock, Oscar H., Jr., Pittsburgh, Pa. Tire tread remover. 2,001,595; May 14.

Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)

Bagley, William H., Jr., assignor of thirty per cent to J. A. Bent and thirty per cent to R. J. Welch, Detroit, Mich. Motor mounting. 2,001,562; May 14.

Bagpak, Inc. See Cundall, R. N., and Powell, assignors.)

Baban, George F., Charlotte, N. C. Heddle bar lock for looms. 2,001,236; May 14.

Bailey Meter Company. (See Lucke, Charles E., assignor.)

Baker, B. J., & Company, et al. (See Welch, William E., assignor.)

Baker, Harry S., Arlington, assignor to The Ashton Valve Company, Cambridge, Mass. Pop safety valve. 2,001,375; May 14.

Baker, Horace C., Green Bay, assignor to Patten Paper Company, Ltd., Appleton, Wis. Envelope stuffing machine. 2,001,009; May 14.

Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Concrete pumping system. 2,001,661; May 14.

Ballard, Milton H. (See Seely, T. H., and Ballard.)

Balousek, William E., assignor to W. J. Dennis & Company, Chicago, Ill. Plant support. 2,000,911; May 14.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Automatic control mechanism. 2,001,447; May 14.

Bamberger, Curt. (See Weinand, K., Bamberger, and Utsch.)

Bane, John N., South Boston, Va. Bookmark. 2,001,650; May 14.

Banning, Samuel W., trustee. (See Moseley, William H., assignor.)

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control of circuit breakers. 2,001,563; May 14.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet delivery mechanism for printing presses. 2,001,295; May 14.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet delivery mechanism for printing presses. 2,001,296; May 14.

Barney, Fred H. (See Gourley, W. J., and Barney.)

Barrett Company, The. (See Bergelm, Frank H., assignor.)

Barrow, James T., New York, N. Y. Water heater. 2,001,515; May 14.

Barth, Karl, and K. Schuler, Munich, and J. Wanger, Aubing, Germany. Apparatus for aerating beer wort. 2,001,568; May 14.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 2,000,912; May 14.

Bates, Fred G., Highland Park, Mich. Hinge. 2,001,356; May 14.

Baumann, Fritz. (See Stein, B., and Baumann.)

Bear, Joseph W., Roanoke, and R. R. Sublette, Vinton, assignors to Double Envelope Corporation, Roanoke, Va. Envelope. 2,001,340; May 14.

Beasley, Milton R., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Manufacture of artificially colored granules. 2,001,448; May 14.

Bedwell, Harry F., Lyons, Ind. Piston ring. 2,001,119; May 14.

Beerline, Martin, Findlay, Ohio. Animated toy. 2,001,482; May 14.

Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Fay, Clifford E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Flanders, Paul B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Thuras, Albert L., assignor.)

Benade, Walther, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Orthohydroxyazo dyes. 2,001,010; May 14.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See Corwin, Raymond W., assignor.)

Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Series socket with renewable elements. 2,001,376; May 14.

Bent, James A., et al. (See Bagley, William H., Jr., assignor.)

Berejkoff, Anatole P., Schenectady, N. Y., assignor to General Electric Company. Interpolating device. 2,001,565; May 14.

Bergeim, Frank H., Leonia, N. J., assignor to The Barrett Company, New York, N. Y. Rubber composition and making the same. 2,001,176; May 14.

Bergstrom, Ernest H., Dorchester, Mass. Toy pistol. 2,001,449; May 14.

Berns, John E., Bremerton, Wash. Revolver holster. 2,001,321; May 14.

Bieberbach, Max W., Jr. (See Villa, John, assignor.)

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication of machinery. 2,000,933; May 14.

Billé, Léon, Nogen-sur-Marne, France. Machine for the manufacture of pipes. 2,001,237; May 14.

Bingham, Frederick C., New York, N. Y., assignor to Boorum & Pease Company, Brooklyn, N. Y. Protector for covers of loose leaf binders. 2,001,651; May 14.

Bird, James H., San Antonio, Tex. Hook guard. 2,001,652; May 14.

Bird & Son, Inc. (See Beasley, Milton R., assignor.)

Bjornson, Bjorn G., Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling systems. 2,001,088; May 14.

Blair, Ira E., Los Angeles, Calif. Equalizing attachment for trucks. 2,000,914; May 14.

Blake, Valerie F., New York, N. Y. Knockdown furniture. 2,000,910; May 14.

Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Horn. 2,001,089; May 14.

Bloom, Arvid B., Lompoc, Calif. Ash tray and the like. 2,000,916; May 14.

Bloss, Richard E., and R. C. Pfeil, assignors to International-Stacy Corporation, Columbus, Ohio. Counterbalancing device. 2,001,662; May 14.

Boals, Eli R., assignor to H. F. Thompson, Pasadena, Calif. Hair waving apparatus. 2,001,238; May 14.

Bodde, Theodore, Niagara Falls, assignor, by mesne assignments, to The General Railway Signal Company, Rochester, N. Y. Train control system. 2,000,917; May 14.

Boddie, Clarence A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmitting circuit. 2,001,450; May 14.

Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 2,001,090; May 14.

Bodor, Andrew, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Winding mechanism for paper bottles. 2,001,177; May 14.

Boebler, Fritz J., Houston, Tex. Trailer hitch. 2,001,451; May 14.

Boehringer, C. F., & Sachne G m. b. H. (See Müller, R. and Rabald, assignors.)

Bohli, Jakob, Solothurn, Switzerland. Electric starting motor. 2,001,178; May 14.

Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,001,516; May 14.

Bolidens Gruvaktiebolag. (See Smitt, Gosta Johan Jakob, assignor.)

Boorum & Pease Company. (See Bingham, Frederick C., assignor.)

Booton, Herman. (See Booton, John H., and H.)

Boonton, John H. and H. Leicester, England. Reverse plating. 2,001,653; May 14.

Bopp, Frederick W., Providence, R. I. Making jewelry chains. 2,001,483; May 14.

Borg-Warner Corporation. (See Ruesenberg, Carl A., assignor.)

Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Boston Wire Stitcher Company. (See Cavanagh, John F., assignor.)

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire machine. 2,001,050; May 14.

Boyles, Carroll H., Milwaukee, assignor to Heating Unit Corporation, Cedarburg, Wis. Electrical resistance unit. 2,001,297; May 14.

Bradbury, Albert W., Cliftondale, and R. E. Hood, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,001,298; May 14.

Brase, Wilhelm, Berlin, Germany. Clutching device. 2,001,120; May 14.

Brenaman, Sherman R. (See Lawhorn, E. F., and Brenaman.)

Breuer, Adam A., Chicago, Ill. Portable suction cleaner. 2,001,121; May 14.

Brickner, Arthur J., Muskegon Heights, assignor to Brickner-Kropf Machine Company, Muskegon, Mich. Lap. 2,001,122; May 14.

Brickner Kropf Machine Company. (See Brickner, Arthur J., assignor.)

Broms, Arthur W., Chicago, Ill. Tension control means. 2,000,918; May 14.

Bronshvalg, Isidor, Bronx, N. Y. Ready made tie. 2,001,452; May 14.

Brown Bag Filling Machine Company. (See Chandler, Austin S., assignor.)

Brown, Robert H. (See Metz, H., and Brown.)

Brown, Samuel B., Los Angeles, Calif. Pump or engine. 2,001,011; May 14.

Browne, Cecil O. (See Whitaker, A., and Browne.)

Browne, Vere B., assignor to Allegheny Steel Company, Brackenridge, Pa. Stable chromium-nickel iron alloy. 2,001,123; May 14.

Brugge, Bernard J., assignor to The Lincoln Electric Company, Cleveland, Ohio. Electric arc welding. 2,001,179; May 14.

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of copper ammonium salts of diazo amino tetrazole. 2,001,299; May 14.

Brunk, Charles O. A., assignor to Memorial Mausoleum Corporation, Detroit, Mich. Burial vault. 2,000,919; May 14.

Brunner, Harold E., Larchmont, N. Y., assignor, by mesne assignments, to SKF Industries, Inc., Philadelphia, Pa. Antifrictionally mounted spindle. 2,001,560; May 14.

Bruno, Frank A., Newark, N. J., assignor to Angelina Marland, Brooklyn, N. Y. Tamperproof meter box with cut-out control and fuse drawer for electric meters. 2,001,051; May 14.

Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Slack adjuster. 2,001,239; May 14.

Buckman and Company. (See Buckman, Henry H., assignor.)

Buckman, Henry H., assignor to Buckman and Company, Jacksonville, Fla. System for temperature control. 2,001,484; May 14.

Buckner, William A., Fresno, Calif. Traveling sprinkler. 2,001,180; May 14.

Budd, Edward G., Manufacturing Company. (See Paugh, James J., assignor.)

Burcham, James P., Indianapolis, Ind. Adjustable grille. 2,001,181; May 14.

Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Spacer means for dual wheels. 2,001,407; May 14.

Burgher, Everett K., Puerto Mexico, Mexico. Piston lift for pumping of liquids. 2,001,012; May 14.

Burns, Bruce, and H. B. Lewis, assignors, by mesne assignments, to Hughes Industries Co., Ltd., Los Angeles, Calif. Multiple film handling device. 2,001,322; May 14.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burrows, Thomas C., Wink, Tex. Angle indicator. 2,001,654; May 14.

Burton, Robert N., River Forest, Ill., assignor to Highway Trailer Company, Edgerton, Wis. Automatic extensible drawbar. 2,001,408; May 14.

Busch, Thomas N., Lake City, Fla., dedicated to the free use of the public. Turpentine face scribe. 2,001,655; May 14.

Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for starting electric discharge devices. 2,001,517; May 14.

Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method and apparatus for starting and operating gaseous electric discharge devices. 2,001,518; May 14.

Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device and operating same. 2,001,519; May 14.

Campbell, William J., assignor to Climax Machinery Company, Indianapolis, Ind. Smoking stand. 2,000,920; May 14.

Candy, Albert T., Jr., Oak Park, assignor to Candy & Company, Inc., Chicago, Ill. Candle wick. 2,001,377; May 14.

Candy & Company. (See Candy, Albert T., Jr., assignor.)

Caps, Arthur W., and P. Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Camera. 2,001,596; May 14.

Caps, Arthur W., and P. Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Camera. 2,001,597; May 14.

Caps, Arthur W., and P. Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic copy conveyer. 2,001,598; May 14.

Cardwell, Thomas, St. Louis, Mo. Journal box lubricator. 2,001,182; May 14.

Carlson, Carl T., assignor to Erie City Iron Works, Erie, Pa. Heater. 2,001,603; May 14.

Carlson, Frank P., Astoria, N. Y. Coating device. 2,001,091; May 14.

Carlson, Johan A., assignor to L. F. Pratt, Ashland, Mass. Printing machine. 2,001,520; May 14.

Carpenter, Arthur W., assignor to United Research Corporation, New York, N. Y. Light-sensitive cell. 2,001,672; May 14.

Case, Byron A., Fort Wayne, Ind., assignor to General Electric Company. Electric valve translating circuit. 2,001,567; May 14.

Cattley, Edward C., Brooklyn, N. Y. Fishing reel. 2,001,521; May 14.

Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Oreg. Implement for driving staples, fasteners, and the like. 2,001,092; May 14.

Celanese Corporation of America. (See Crutchfield, Kenneth H., assignor.)

Celanese Corporation of America. (See Dreyfus, C., and Lee, assignors.)

Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)

Celanese Corporation of America. (See Taylor, W. L., and Gibbins, assignors.)

Chain Belt Company. (See Ball, Charles F., assignor.)

Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Spillage device for bag filling machines. 2,001,485; May 14.

Chapin, Harrison L. (See Folmer, W. F., and Chapin.)

Chelmsford Egg Supply Company (1934) Limited. (See Nierinck, Fernand, assignor.)

Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)

Cherpes, Peter N., and C. E. Kollias, Chicago, Ill. Bumper mechanism. 2,001,093; May 14.

Cherry-Burrell Corporation. (See Fielder, Harold S., assignor.)

Chester, Thomas, Detroit, Mich. Centrifugal blower. 2,001,522; May 14.

Chicago Pneumatic Tool Company. (See Mitchell, William J., assignor.)

Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)

Chicago Rawhide Manufacturing Company. (See Johnson, Harold E., assignor.)

Cholev, Frank C., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 2,000,921; May 14.

Christensen, Niels C., Salt Lake City, Utah. Treating ores with sulphuric acid. 2,001,409; May 14.

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Lynbrook, assignors to E. R. Squibb & Sons, New York, N. Y. Hydr xy diphenyl intermediates. 2,001,523; May 14.

Church, Clifford C., Needham, Mass. Manufacture of display cards, containers, and the like with raised figures. 2,000,922; May 14.

Clark Equipment Company. (See Burger, Frederick W., assignor.)

Clark, James d'A. (See Howell, C. M., and Clark.)

Clarke, George. (See Sheffield, C. C., and Clarke.)

Clarke, James M., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Combination bubbler and glass filler. 2,001,341; May 14.

Clarkson, Richard G. (See Downing, F. B., Clarkson and Reynolds.)

Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Climax Machinery Company. (See Campbell, William J., assignor.)

Cohen, Abraham, New Haven, Conn. Braking apparatus. 2,001,599; May 14.

Cohen, David, New York, N. Y. Attachment for meat grinding machines. 2,001,524; May 14.

Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Multiple unit gang condenser. 2,001,600; May 14.

Colbiornsen, Almond L., Belgrade, Minn. Sleeve holder. 2,000,923; May 14.

Cole, Dale S. (See Leece, B. M., and Cole.)

Coleman, Roy E., Meriden, Conn., assignor to General Electric Company. Resinous and varnish composition and preparation thereof. 2,001,525; May 14.

Colledge, E. W., General Sales Agent, Inc. (See Omansky, Morris, assignor.)

Colt, Samuel S., Orange, N. J. Retaining tie for concrete forms. 2,001,052; May 14.

Colton, Roger B., and H. C. Mabbott, Fort H. G. Wright, N. Y. Binaural electric compensator. 2,000,924; May 14.

Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)

Commercial Shearing & Stamping Company, The. (See Proctor, R. V., and Cushwa, assignors.)

Conran, William F., Brooklyn, N. Y. Fire protection standpipe system. 2,001,300; May 14.

Continental-Diamond Fibre Company. (See Landt, Gustave E., assignor.)

Continental Oil Company. (See McCollum, E. V., and McGhee, assignors.)

Continental Oil Company. (See Mills, Ronald Van A., assignor.)

Cook, Charles B., Los Angeles, Calif. Air conditioning apparatus. 2,001,410; May 14.

Cooke, Gordon A., Pasadena, Calif. Device for transmitting intelligence. 2,001,124; May 14.

Copeland Refrigeration Corporation. (See Gilbert, H. H., and Replogle, assignors.)

Cornett, Jeff D., et al. (See Ezell, Flor H., assignor.)

Cornwall, James E., Detroit, Mich. Automobile headlight. 2,001,378; May 14.

Corwin, Raymond W., Haddonfield, N. J., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Series socket with removable elements. 2,001,379; May 14.

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Resilient wheel support for harvesters. 2,001,183; May 14.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Harvester. 2,001,078; May 14.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Cotton harvester. 2,001,079; May 14.

Cowles, Irving, Detroit, Mich., assignor to Union Bank of Chicago, Chicago, Ill. Lubricant discharge valve for forcefeed lubricating systems. 2,000,925; May 14.

Cox, Leo G., Pensacola, Fla. Protractor. 2,000,926; May 14.

Coxhead, Ralph C., Corporation. (See Fuchs, Charles A., assignor.)

Crane Packing Company. (See Abbott, Scott M., assignor.)

Crevelling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,001,568; May 14.

Crockett, James B., Cambridge, Mass. Manufacture from rubber latex of rubber articles carrying imprints. 2,001,125; May 14.

Crossen, Robert W., Jr., Plainfield, assignor to Farrell Manufacturing Company, Joliet, Ill. Valve control. 2,001,453; May 14.

Crouch, Nell W. (See Early, Edwin L., assignor.)

Crutchfield, Kenneth H., Cumberland, Md., assignor to Celanese Corporation of America. Plastic composition and working the same. 2,000,927; May 14.

Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Fuel pump and distributing apparatus for internal combustion engines. 2,001,126; May 14.

Cundall, Robert N., Hamburg, and W. B. Powell, Buffalo, N. Y., assignors, by mesne assignments, to Bagpak, Inc. Bag and making same. 2,000,928; May 14.

Cuppy, Hazlitt A., San Francisco, Calif. Classifier. 2,001,184; May 14.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 2,001,127; May 14.

Cushwa, Charles B. (See Proctor, R. V., and Cushwa.)

Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)

Cutter Manufacturing Company. (See Huff, Elbridge G., assignor.)

Cuttle, Francis, Riverside, Calif. Gate valve. 2,001,094; May 14.

Dahlen, Miles A., assignor to E. I. duPont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 2,001,526; May 14.

Dahlstrom Metallic Door Company. (See Jacobson, Ludwig G., assignor.)

Daily, Stephen P., Jr. (See Quasso, Alfred D., assignor.)

Dainler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)

Daniels, Lloyd C., Crafton, and A. O. Jaeger, Mount Lebanon, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Preparation of phthalic acid. 2,001,053; May 14.

Daniels, Lloyd C., Crafton, and A. O. Jaeger, Mount Lebanon, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Salts of keto aromatic acids. 2,001,380; May 14.

Dardelet Threadlock Corporation. (See Thomson, Robert, assignor.)

Davis, Donald J. (See Davis, Joseph and D. J.)

Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Jack for semitrailers. 2,001,411; May 14.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 2,001,128; May 14.

Davis, Joseph, and D. J. Davis, assignors, by mesne assignments, to Walker Corporation, Chicago, Ill. Walking toy. 2,001,013; May 14.

Davis, Lawrence, Walpole, Mass. Cloth bolt ticket. 2,001,054; May 14.

Davis, Robert H., London, England. Submarine lifesaving outfit. 2,001,673; May 14.

Davis, Robert L., Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Three-phase rectifier transformer. 2,001,454; May 14.

Davison, Charles H., Princeton, N. J. Construction of rugs of pile fabrics. 2,001,381; May 14.

Davison, Charles H., Edgerstoune, Princeton, N. J. Construction of rugs of pile fabrics. 2,001,527; May 14.

Dawson, Charles W. (See Kruse, J. F. W., Dawson, and Richardson.)

Day, Jeremiah C., Lexington, Ky. Garter. 2,001,240; May 14.

Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)

Day, Roland B., Palos Verdes Estates, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Eliminating impurities from gasoline. 2,001,185; May 14.

Deakin, Gerald, assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Two-party line telephone system. 2,001,095; May 14.

Dearborn, Charles A., assignor to American Blind Stitch Machine Company, New York, N. Y. Work supporting means for sewing machines. 2,000,929; May 14.

Deere & Company. (See Coultas, Wilbur J., assignor.)

Deere & Company. (See Court, Frank T., assignor.)

Deere & Company. (See Thomann, Frederick A., assignor.)

Deere & Company. (See Tuft, Miles H., assignor.)

De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Converting hydrocarbon oils. 2,001,301; May 14.

De Frees, Nicholas W., Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Spraying device. 2,001,455; May 14.

De Groot, Willem, and M. H. Druyvesteyn, Eindhoven, Netherlands, assignors to General Electric Company, Gaseous electric discharge device. 2,001,528; May 14.

Delano, James K., New York, N. Y. Portable gear case cleaner. 2,001,302; May 14.

Delta Star Electric Company, The. (See Alsaker, Alfred, assignor.)

De Nagy, Bela, New York, N. Y. Air motor. 2,000,930; May 14.

De Nagy, Bela, New York, N. Y. Alternating action polishing machine. 2,000,931; May 14.

Dennis, W. J., & Company. (See Balousek, William E., assignor.)

Dennison Manufacturing Company. (See Alden, Gardner R., assignor.)

Dennison, Stanley W. (See Zeltz, E. R. and Dennison.)

Dent Hardware Company, The. (See Lyons, A. G., and Diehl, assignors.)

Design Engineers, Incorporated. (See Horwitt, N. G., and Katcher, assignors.)

Dettwyler, William. (See Gubelmann, I. Goodrich and Dettwyler.)

Deutsch, Leo E., Hammond, Ind. Lock key. 2,001,601; May 14.

De Vries, Gerrit, Pipestone, Minn. Fishing float. 2,001,241; May 14.

Dewar, Peter K., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Chain link. 2,000,932; May 14.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Fish bait. 2,001,055; May 14.

Dick, Herman J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,001,323; May 14.

Diefenderfer, Victor J. and A. C. Lova, Allentown, Pa. Warp-beaming machine. 2,001,486; May 14.

Diehl, William S. (See Lyons, A. G., and Diehl.)

Dietz, Frank S., Jamestown, N. Y. Means and method for weather stripping. 2,001,602; May 14.

Dillström, Torbjörn V., Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Internal combustion engine. 2,001,456; May 14.

Dodge, Will K., Upper Lake, Calif. Demountable wheel. 2,001,242; May 14.

Doherty, Harold F., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Throttle valve. 2,001,487; May 14.

Dole Refrigerating Machine Company. (See Kleist, Herman W., assignor.)

Dollinger, William H., Franklin, Ohio. Window shade fixture. 2,001,603; May 14.

Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet clasp. 2,001,056; May 14.

Donaldson, Eleanor, Minneapolis, Minn. Garment. 2,000,898; May 14.

Dooley Bros. (See Fellay, Louis J., assignor.)

Dornier, Claude, assignor of one-half to Dornier-Metallbauten G. m. b. H., Friedrichshafen, Germany. Heat exchanger. 2,001,186; May 14.

Dornier, Claude, Friedrichshafen-on-the-Bodensee, Germany. Rotor for helicopters. 2,001,529; May 14.

Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)

Double Envelope Corporation. (See Bear, J. W., and Sublette, assignors.)

Douthitt, Frank W., Ortonville, Minn. Corn cutting machine. 2,001,457; May 14.

Dow Chemical Company, The. (See Williams, William H., assignor.)

Downing, Frederick B., Carneys Point, N. J., R. G. Clarkson, Wilmington, Del., and H. H. Reynolds, Pennsgrove, N. J., assignors to E. I. duPont de Nemours & Company, Wilmington, Del. Preparing ortho-dihydroxy compounds of the benzene series. 2,001,014; May 14.

Drake, Samuel H., Groton, N. Y. Stropping device. 2,000,933; May 14.

Draper Corporation. (See Lackey, Riley G., assignor.)

Draper Corporation. (See Nichols, Edward C., assignor.)

Drexler, Ernest, Pittsburgh, Pa. Table for rolling mills. 2,001,129; May 14.

Dreyfus, Camille, New York, N. Y., and L. N. Lee, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of cellulose esters. 2,000,934; May 14.

Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials. 2,000,935; May 14.

Drobile, Albert W., Cynwyd, Pa. Apparatus for coating fabrics. 2,001,488; May 14.

Druyvesteyn, Johan. (See de Groot, W., and Druyvesteyn.)

Druyvesteyn, Marl J. (See Uyterhoeven, W., and Druyvesteyn.)

Dubbs, Carbon P., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 2,001,187; May 14.

Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)

Dudley Lock Corporation. (See Hope, Samuel N., assignor.)

Dunlop Rubber Company Limited. (See Gorham, W. G., and Trobridge, assignors.)

Dunn, Irwin L., Tulsa, Okla. Safety plug. 2,001,458; May 14.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for performing operations upon shoe parts. 2,000,936; May 14.

Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Clarkson and Reynolds, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., Goodrich and Dettwyler, assignors.)

Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Prahl, assignors.)

Du Pont, E. I., de Nemours & Company. (See Howell, Edward T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Nenher, Samuel, assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)

Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Automatic control mechanism for electric motors. 2,000,899; May 14.

Dyce, Walter L., Webster, S. Dak. Golf club. 2,001,342; May 14.

Early, Edwin L., assignor of one-half to N. W. Crouch, Kansas City, Kans. Telephone shelf. 2,001,324; May 14.

Eclipse Machine Company. (See Watson, Ernest A., assignor.)

Edwards, Eldred E. (See MacGregor, J. R., and Edwards.)

Elsgruber, Georg, Nuremberg, Germany. Closed removable needle bearing. 2,001,675; May 14.

Elbaum, Harry, New York, N. Y. Combined mailing and return envelope. 2,001,489; May 14.

Electric and Musical Industries Limited. (See Whittaker, A., and Browne, assignors.)

Electric Controller Corporation. (See Turner, Charles A., assignor.)

Electrical Research Products, Inc. (See Lorance, George T., assignor.)

Electrolux Servel Corporation. (See Knight, Donald B., assignor.)

"Elin" Aktiengesellschaft für Elektrische Industrie. (See Weigner, O., and Senft, assignors.)

Elliott, Irwin, Harmon, assignor to Universal Oven Company, Incorporated, New York, N. Y. Method and mechanism for forming articles of plastic material. 2,001,243; May 14.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Composite reaction product. 2,000,937; May 14.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Emery Industries, Inc. (See Heckel, Hermann, assignor.)

Epps, Carl, Rome, Ga., assignor to Tubize Chatillon Corporation. Yarn support. 2,000,900; May 14.

Erickson, Elmar, assignor, by mesne assignments, to J. H. McElroy, Chicago, Ill. Automatic gas engine control for hoists. 2,001,674; May 14.

Erie City Iron Works. (See Carlson, Carl T., assignor.)

Evans Case Company. (See Reilly, Alfred F., assignor.)

Evr-Klean Seat Pad Company. (See Holderbach, George, assignor.)

Ezell, Floy H., Sanger, assignor of one-third to B. F. Gentle, Dallas, and one-third to J. D. Cornett, Sanger, Tex. Coupling. 2,001,244; May 14.

Falconbridge Nickel Mines Limited. (See Grönningsæter, Anton M., assignor.)

Falk, Alfred, Munich, Germany. Manufacture of chewing gum. 2,001,412; May 14.

Faltico, Harold J., Spokane, Wash. Testing implement for spark plugs and ignition. 2,001,382; May 14.

Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments to Radio Corporation of America, New York, N. Y. Vacuum tube oscillator. 2,001,413; May 14.

Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillator circuit. 2,001,694; May 14.

Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillator circuit. 2,001,695; May 14.

Farrell Manufacturing Company. (See Crossen, Robert W., Jr., assignor.)

Farrell, Philip H., Flushing, N. Y. Can opener. 2,001,303; May 14.

Fay, Clifford E., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,000,938; May 14.

Febre, Martha, New York, N. Y. Perambulator. 2,001,343; May 14.

Feild, Alexander L., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md. Production of iron-chromium alloys. 2,001,015; May 14.

Feild, Alexander L., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md. Production of iron-chromium alloys. 2,001,016; May 14.

Fellay, Louis J., assignor to Dooley Bros., Peoria, Ill. Drill boxing. 2,001,057; May 14.

Fellay, Louis J., assignor to Dooley Bros., Peoria, Ill. Drilling machine. 2,001,058; May 14.

Fenton, Albert S., Buffalo, N. Y. Line drier. 2,001,570; May 14.

Ferris, Walter, assignor to T. Oliger Company, Milwaukee, Wis. Hydraulic drive for machine tools. 2,001,059; May 14.

Feussner, Otto, and A. Jedele, Hanau-on-the-Main, Germany. Metal article. 2,001,017; May 14.

Fiant, Howard E. (See Lord, J. A., and Fiant.)

Fielder, Harold S., La Grange, Ill., assignor to Cherry-Burrell Corporation, Wilmington, Del. Temperature control means for liquid heaters. 2,001,344; May 14.

Finch, Clark, West Palm Beach, Fla. Self-starting synchronous motor. 2,001,604; May 14.

Fischer, Herman G., Chicago, and H. H. Osborn, Elmwood Park, Ill., assignors, by mesne assignments, to X-Ray Shoe Fitter, Inc., Milwaukee, Wis. Foot X-ray machine. 2,001,188; May 14.

Fisher, Ann M., Los Angeles, Calif. Conveying messages. 2,001,018; May 14.

Fisher Scientific Company. (See Natuszak, Maryan P., assignor.)

Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure measuring system. 2,001,096; May 14.

Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Manufacture of alumina hydrate. 2,000,939; May 14.

Fletcher, Harold A., Chicago, Ill. Controllable pitch propeller. 2,001,189; May 14.

Fletcher Works, Incorporated. (See Schamm, Fletcher, assignor.)

Föhl, Carl, assignor to Ruthsaccumulator Aktiebolag, Berlin, Germany. Accumulating system. 2,001,304; May 14.

Foley, Leroy T. (See Minskey, S. V., Foley, and Leopold.)

Folmer-Chapin Corporation. (See Folmer, W. F., and Chapin, assignors.)

Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Insect exterminator. 2,001,414; May 14.

Ford, Tirey F. (See Semon, W. L., and Ford.)

Fordyce, John R., Hot Springs, Ark. Revetment. 2,001,120; May 14.

Forty, Albert G., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drier. 2,001,345; May 14.

Fossal, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edging machine. 2,000,940; May 14.

Foster, Harry D., Logan, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Making cellular clay products. 2,001,664; May 14.

Foster, Thomas J., Ridgewood, N. J. Building construction. 2,001,605; May 14.

Franwick, Edmond J., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y. Dental blow torch. 2,001,665; May 14.

Freed, Edward A., Moline, Ill. Self-aligning bearing. 2,001,383; May 14.

Freeman, Benjamin W., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Shoe marking machine. 2,001,019; May 14.

Freeman, Claude D., et al. (See Freeman, Walter R., assignor.)

Freeman, John D., et al. (See Freeman, Walter R., assignor.)

Freeman, Louis G., Company, The. (See Freeman, Benjamin W., assignor.)

Freeman, Walter R., Jay, assignor of one-fourth to J. D. Freeman, Tulsa, Okla., and one-fourth to C. D. Freeman, Dallas, Tex. Lever lock. 2,001,415; May 14.

Frezzolini, James, New York, N. Y. Automatic garage door opener. 2,001,416; May 14.

Frick Company. (See Aubrey, William H., assignor.)

Frick Company. (See Kitzmiller, William R., assignor.)

Frickey, Royal E., assignor to Welding Service, Inc., San Francisco, Calif. Hardness tester. 2,001,097; May 14.

Fritze, Otto. (See Ruttenauer, A., and Fritze.)

Fuchs, Charles A., Hollis, assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Securing a scale strip to a scale bar. 2,001,060; May 14.

G & W Electric Specialty Co. (See Sward, Cecil W., assignor.)

Gaidies, Georg, Berlin-Pankow, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,001,490; May 14.

Gallon Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)

Gardner-Denver Company. (See Pearson, Gustav C., assignor.)

Gardner, Robert L., and R. D. Lloyd, Pittsburgh, Pa. Razor blade sharpening device. 2,000,941; May 14.

Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric discharge device system. 2,001,530; May 14.

Garvey, James D., Chicago, Ill. Pneumatic life belt. 2,001,384; May 14.

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Stocking. 2,001,676; May 14.

Gaylord, Robert H., Los Angeles, Calif. Elevator signaling system. 2,000,942; May 14.

Gelb, Robert L., Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Stage apparatus. 2,001,678; May 14.

Gemex Company. (See Sand, John, assignor.)

General Aniline Works, Inc. (See Benade, Walther, assignor.)

General Aniline Works, Inc. (See Stein, R., and Baumann, assignor.)

General Aniline Works, Inc. (See Weinand, K., Bamberger, and Utsch, assignors.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Berejkoff, Anatole P., assignor.)

General Electric Company. (See Bol, Cornelis, assignor.)

General Electric Company. (See Case, Byron A., assignor.)

General Electric Company. (See Coleman, Roy E., assignor.)

General Electric Company. (See de Groot, W., and Druyvesteyn, assignors.)

General Electric Company. (See Gaidies, Georg, assignor.)

General Electric Company. (See Garman, George W., assignor.)

General Electric Company. (See Hall, Chester L., assignor.)

General Electric Company. (See Herrlinger, Fritz, assignor.)

General Electric Company. (See Hintze, Helmut, assignor.)

General Electric Company. (See Jones, Benjamin W., assignor.)

General Electric Company. (See Krefft, Hermann, assignor.)

General Electric Company. (See Mason, Cyril A., assignor.)

General Electric Company. (See Meyer, W., and Weise, assignors.)

General Electric Company. (See Newman, Delbert F., assignor.)

General Electric Company. (See Owens, Joseph W., assignor.)

General Electric Company. (See Payne, John H., assignor.)

General Electric Company. (See Prince, David C., assignor.)

General Electric Company. (See Römbild, Edgar, assignor.)

General Electric Company. (See Ruttenauer, A., and Fritze, assignors.)
General Electric Company. (See Schmidt, Rudolf, assignor.
General Electric Company. (See Uyterhoeven, Willem, assignor.)
General Electric Company. (See Uyterhoeven, W., and Druyvesteyn, assignors.)
General Electric Company. (See Uyterhoeven, W., and Verburg, assignors.)
General Electric Company. (See Zurcher, Ernest, assignor.
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Electric X-Ray Corporation. (See Wantz, Julius B., assignor.)
General Instrument Corporation. (See Cohen, Samuel, assignor.)
General Motors Corporation. (See Dick, Herman J., assignor.
General Motors Corporation. (See Holmes, John Q., assignor.
General Plate Company. (See Spencer, John A., assignor.
General Railway Signal Company. (See Abendroth, Karl W., assignor.)
General Railway Signal Company. (See Bodde, Theodore, assignor.)
General Railway Signal Company. (See Sprague, Frank J., assignor.)
Gentle, Benjamin F., et al. (See Ezell, Floy H., assignor.
Gephart, Orvon P., Miamisburg, Ohio, assignor to Howard D. Meincke. Manufacture of calcium sulphates. 2,001,245; May 14.
Gephart, Orvon P., Miamisburg, Ohio, assignor to Howard D. Meincke. Manufacture of paper. 2,001,246; May 14.
Gerstein, Hyman, Hartford, Conn. Emergency link. 2,001,606; May 14.
Gessner, David, Worcester, Mass. Vacuum extractor. 2,001,417; May 14.
Gianoli, Marcel L., Neuilly-sur-Seine, France. Automatic stabilizer for vehicles. 2,001,607; May 14.
Giant Grip Manufacturing Company. (See Akerberg, Carl G., assignor.)
Gibbins, Leslie B. (See Taylor, W. I., and Gibbins.)
Gibbs, Carroll H., Springfield, Mass. Beating-up line position indicator for looms. 2,001,061; May 14.
Gilbert, Charles T., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. 2,000,943; May 14.
Gilbert, Chester G., Washington, D. C., assignor to Research Corporation, New York, N. Y. Portland cement product. 2,001,608; May 14.
Gilbert, Harold H., Mount Clemens, and John R. Replogle, Detroit, assignors, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerator article receptacle. 2,000,944; May 14.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Nonsticking pneumatic hammer grease gun. 2,001,190; May 14.
Gleason Works. (See Heard, August C., assignor.)
Globe-Union Mfg. Co. (See Zimmerman, Herbert L., assignor.
Gloor, Walter E. (See Shankweiler, F. K., and Gloor.)
Golden, Roy L., Tucson, Ariz. Chord finder for tenor banjos. 2,001,191; May 14.
Gonzalez, Henry, New York, N. Y. Making ornamental thread objects. 2,001,192; May 14.
Goodman Manufacturing Company. (See Walter, Raymond A., assignor.)
Goodrich, B. F., Company, The. (See Haren, U. C., and Sapp, assignors.)
Goodrich, B. F., Company, The. (See Haushalter, Fred L., assignor.)
Goodrich, B. F., Company, The. (See James, James V., assignor.)
Goodrich, B. F., Company, The. (See Reed, Marion C., assignor.)
Goodrich, B. F., Company, The. (See Semon, W. L., and Ford, assignors.)
Goodrich, B. F., Company, The. (See Tritt, Forest G., assignor.)
Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Dettwyler.)
Gore, Preston M., Oaklyn, assignor to Audubon Wire Cloth Corporation, Audubon, N. J. Wire belt. 2,001,677; May 14.
Gorham, Walter G., Erdington, Birmingham, and G. W. Trobridge, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England. Method of and apparatus for the production of goods of rubber or similar material. 2,001,305; May 14.
Gould Coupler Company, The. (See Richards, Willard F., assignor.)
Gourley, William J., and F. H. Barney, Fort Worth, Tex. Beam hanger. 2,001,247; May 14.
Grand Rapids Metalcraft Corporation. (See Visser, John, assignor.)
Grant, Alvin, Denver, Colo. Photographic enlarger. 2,001,002; May 14.
Grassmann, Peter, Berlin, Germany. Electric variable condenser. 2,001,459; May 14.
Greene, Edgeworth, Montclair, N. J. Bottle stopper. 2,001,609; May 14.
Greene, Michael A., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Double screw cap and forming same. 2,001,248; May 14.
Greenlaw, Price M., Washington, D. C. Blow-off tank for steam boilers. 2,001,249; May 14.
Greenlee Bros. & Co. (See Abramson, John H., assignor.)
Greer, Frederick W., Belmont, assignor to J. W. Greer Company, Cambridge, Mass. Wire bending machine. 2,001,273; May 14.
Greer, J. W., Company. (See Greer, Frederick W., assignor.)
Greiner, Gerhard et al. (See Monschein, Carl, assignor.)
Gressner, Albert, Flushing, N. Y. Attachment for sawing tapered material. 2,001,306; May 14.
Grimes, David, Dongan Hills, Staten Island, N. Y., assignor to Radio Corporation of America. Receiver detector control. 2,000,945; May 14.
Grinfin, William H., Cleveland, Ohio. Basket. 2,001,571; May 14.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor mounting. 2,001,020; May 14.
Grönningsæter, Anton M., New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada. Electrolytic deposition of nickel from nickel salt solutions. 2,001,385; May 14.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, and W. Dettwyler, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Acridone dianthrimide vat dyestuffs and their production. 2,001,418; May 14.
Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, and W. Dettwyler, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Anthraquinone acridone vat dyestuff. 2,001,419; May 14.
Guernsey, Charles O., Yeadon, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Internal combustion engine. 2,001,358; May 14.
Guhl, Henry C., Haven, Kans. Solderless connecter for electric conducting cables. 2,001,131; May 14.
Guignard, Edouard, Paris, France, assignor to Société Parisienne pour l'Industrie des Chemins de Fer et des Tramways Électriques, Paris, France. Electric traction. 2,001,357; May 14.
Gulf Refining Company. (See Stevens, D. R., and Gruse, assignors.)
Hadley Company, The. (See Domler, Charles A., assignor.)
Haley, Cate, Rockwood Company. (See Rockwood, Aaron W., assignor.)
Hall, Chester L., Philadelphia, Pa., assignor, by mesne assignments, to General Electric Company. Heating apparatus. 2,001,531; May 14.
Hamblin, Clyde M., Washington, D. C. Apparatus for dispensing inflammable fluids. 2,000,946; May 14.
Hanau Engineering Company. (See Franwick, Edmond J., assignor.)
Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Carrier for laundry assorting machines. 2,001,386; May 14.
Hanovia Chemical and Manufacturing Company. (See Trebler, Henning A., assignor.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,001,132; May 14.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High frequency oscillator. 2,001,133; May 14.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filter. 2,001,387; May 14.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Hardy, Charles, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company. Metal powder. 2,001,134; May 14.
Hardy Metallurgical Company. (See Hardy, Charles, assignor.)
Haren, Urban C., Akron, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Feeding device. 2,001,572; May 14.
Harmon, Luther R., Milwaukee, Wis. Headlight proving appliance. 2,001,135; May 14.
Harris, Sidney E. (See Christansen, W. G., and Harris.)
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Harvey, Leo M., Los Angeles, Calif. Auxiliary windshield for motor cars. 2,001,420; May 14.
Haub, George R., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for forming plates. 2,001,460; May 14.
Haug, John S., assignor to United Engineers and Constructors, Inc., Philadelphia, Pa. Jointed ash pan for combustible gas generators. 2,001,274; May 14.
Haughey, Frank E., assignor to said F. E. Haughey and M. A. Haughey, his wife, as tenants by the entireties, Philadelphia, Pa. Inspection tag for fire extinguishers. 2,001,679; May 14.
Haughey, Martha A. (See Haughey, Frank E., assignor.

Haunz, Charles F., Buffalo, N. Y. Battery separator. 2,001,421; May 14.
Hauser, Adalbert, New York, N. Y. Thrust screw connecter. 2,000,947; May 14.
Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid sealing expansion joint. 2,001,573; May 14.
Hayes, Harvey C., Washington, D. C. Apparatus for determining the force of gravity. 2,000,948; May 14.
Hays, Robert J., Kingsland, Ark. Fruit jar lifter. 2,001,340; May 14.
Hazel-Atlas Glass Co. (See Greene, Michael A., assignor.)
Hazel-Atlas Glass Company. (See Haub, George R., assignor.)
Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
Hazel-Atlas Glass Co. (See Williams, John J., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazelton Delbecoise, Inc. (See Perillat, Charles D., assignor.)
Heard, August C., assignor to Gleason Works, Rochester, N. Y. Method of and machine for relieving gear cutters. 2,001,021; May 14.
Heating Unit Corporation. (See Bayles, Carroll H., assignor.)
Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Making concentrated sulphuric acid or oleum. 2,001,359; May 14.
Heckel, Hermann, assignor, by mesne assignments, to Emery Industries, Inc., Cincinnati, Ohio. Liquid coating composition. 2,001,422; May 14.
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,001,193; May 14.
Helgis, Henry E., West Orange, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Actuator for fire protection systems. 2,001,680; May 14.
Heinrich Kammer Motorenfabrik Aktiengesellschaft. (See Lehmann, Willy, assignor.)
Heintz Manufacturing Company. (See Lambert, A. L., and Meinel, assignors.)
Heller, Julius, Neunkirchen, assignor to firm Schraubenund Schniede-Waarenfabriks-Actiengesellschaft Breyiller & Co. und A. Urban & Sochne, Vienna, Austria. Foot arch support. 2,000,949; May 14.
Helmore, William. (See Swan, A., and Helmore.)
Hendley, Fred, assignor to The Okonite Company, Passaic, N. J. Process of and apparatus for marking. 2,001,401; May 14.
Henke, Clyde O., Wilmington, Del., and M. A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ether of hydroxbietyl alcohol. 2,001,275; May 14.
Henneberger, Thomas C. (See Rea, W. T., and Henneberger.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Hercules Powder Company. (See Shankweiler, F. K., and Gloor, assignors.)
Herrlinger, Fritz, Berlin, Germany, assignor to General Electric Company. Assembling packing rings in turbine rotors. 2,001,492; May 14.
Hesselman Motor Corporation, Ltd. (See Dillström, Torbjörn V., assignor.)
Heuston, Howard H., Boulder, Colo. Trash burner. 2,001,360; May 14.
Hewitt, Alfred G., assignor to The Visking Corporation, Chicago, Ill. Shirred tubing and preparing the same. 2,001,461; May 14.
Hexler, Charles J. (See Ziegler, George J., assignor.)
Heymer, Gerd, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Producing cinematographic three- and multi-color pictures. 2,001,250; May 14.
Hiering, William C., Millburn township, Essex County, assignor to J. E. Mercott Company, Newark, N. J. Hand bag. 2,001,307; May 14.
Highway Trailer Company. (See Burton, Robert N., assignor.)
Highway Trailer Company. (See Davis, Darrel H., assignor.)
Highway Trailer Company. (See Molinare, Anthony W., assignor.)
Highway Trailer Company. (See Williams, Leroy E., assignor.)
Hildenbrand, John J., New York, N. Y. Gas tank. 2,001,610; May 14.
Hill, Charles A. (See Mueller, O. B., Hill, Tielking, and Jones.)
Hiller, Friedrich, Cologne-on-the-Rhine, Germany. Index card. 2,001,462; May 14.
Hinderliter, Frank J. (See Johnson, Edwin A., assignor.)
Hintze, Helmut, Kopenich-Wendenschloss, Germany, assignor to General Electric Company. System of electrical distribution. 2,001,532; May 14.
Hitt, Henry C., Bremerton, Wash. Self-filling fountain pen filling device. 2,000,950; May 14.
Hodnefield, Olaus T., Glendale, Calif. Treating brakelining and impregnating compound for same. 2,001,194; May 14.
Hodson, Walter D., Chicago, Ill. Lubricated cordage. 2,000,951; May 14.
Hodson, Walter D., Chicago, Ill. Wire rope. 2,000,952; May 14.
Holderbach, George, assignor to Evr-Klean Seat Pad Company, St. Louis, Mo. Removable wall-lining. 2,001,136; May 14.
Holmes, John Q., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Condenser winding machine. 2,001,347; May 14.
Holt, William E., Newark, N. J. Floor surfacing machine. 2,001,098; May 14.
Holt, William E., Newark, N. J. Floor surfacing machine. 2,001,099; May 14.
Hood, Roy E. (See Bradbury, A. W., and Hood.)
Hooker Electrochemical Company. (See Rue, John D., assignor.)
Hooker, Paul, T. L. B. Lyster, and J. D. Rue, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Reacting semifluid materials. 2,000,953; May 14.
Hookless Fastener Company. (See Quisling, Sverre, assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hoper Electrochemical Company. (See Hooker, P., Lyster, and Rue, assignors.)
Hoover Company, The. (See Hudson, Willis F., assignor.)
Hope, Samuel N., Wauwatosa, Wis., assignor, by Dudley Lock Corporation, Chicago, Ill. Latching means for lockers and the like. 2,001,493; May 14.
Hopkins, Alva E., Tacoma, Wash. Bait clip. 2,000,954; May 14.
Hopkins, Richard M., assignor to American District Telegraph Company, New York, N. Y. Alarm switch. 2,001,137; May 14.
Hoppe, Otto F., Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,001,308; May 14.
Horner, Albert, Kapaa Kauai, Territory of Hawaii. Sink and drainboard construction. 2,001,423; May 14.
Horwitt, Nathan G., and M. Katcher, assignors to Design Engineers, Incorporated, New York, N. Y. Clock. 2,001,195; May 14.
Houdaille, Maurice. (See Lecler, Charles, assignor.)
Houdry Process Corporation. (See Joseph, Alfred, assignor.)
Houston, Herbert W., North Hollywood, Calif. Internal combustion engine. 2,001,533; May 14.
How, Harlan W., Aspinwall, Pa. Indirect heating and circulating system for sulphite digesters. 2,001,022; May 14.
Howard, Giles P. E., Luton, assignor to Messrs. George Kent, Limited, London, England. Automatic control mechanism. 2,001,348; May 14.
Howell, Charles M., Springfield, and J. d'A. Clark, Swarthmore, assignors to Scott Paper Company, Chester, Pa. Creped paper. 2,001,023; May 14.
Howell, Edward T., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of Bz1, Bz1'-dibenzanthronyl. 2,001,063; May 14.
Hoyer, Hans. (See Stout, O. M., and Hoyer.)
Hudson, H. D., Manufacturing Company. (See DeFrees, Nicholas W., assignor.)
Hudson, Willis F., Riverside, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,000,955; May 14.
Huff, Elbridge G., Malden, assignor to Cutter Manufacturing Company, Cambridge, Mass. Screen corner construction. 2,001,681; May 14.
Huggett, Leonard J., London, England. Display sign. 2,001,424; May 14.
Hughes Industries Co. (See Burns, B., and Lewis, assignors.)
Hughes, Ralph C., assignor to Reynolds Gas Regulator Co., Anderson, Ind. Fluid pressure regulator. 2,001,534; May 14.
Hughes Tool Company. (See Ricker, Norman H., assignor.)
Hunt, George. (See Stribling, John W., assignor.)
Hunter, Frank B., Indianapolis, Ind. Method of and apparatus for cleaning, sterilizing, and smoothing beaches. 2,000,956; May 14.
Hunter, John G., Columbus, Ohio. Combination telephone stand and telephone directory secretary. 2,000,957; May 14.
Husted, Harry A., Lakewood, Ohio. Steering wheel and identification, means. 2,001,349; May 14.
Hydrex Corporation. (See Thoke, Rudolph G., assignor.)
Hymans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Elevator safety apparatus. 2,001,361; May 14.
I. G. Farbenindustrie Aktiengesellschaft. (See Kunz, M. A., Kochendoerfer, and Koeberle, assignors.)
Idzal, Milton M., Des Moines, Iowa. Stereoscopic picture. 2,001,024; May 14.
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Industrial Research, Limited. (See Snyder, F. H., and Maclaren, assignors.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See McAllister, Raymond C., assignor.)
Ingersoll-Rand Company. (See Parkhill, M. S., and Tayler, assignors.)

Inland Steel Company. (See Smith, Wallace W., assignor.)
International Proprietaries, Incorporated, et al. (See Welch, William E., assignor.)
International-Stacey Corporation. (See Bloss, R. R., and Pfeil, assignors.)
Iowa Fiber Box Company, et al. (See Petersen, Karl W., assignor.)
Ipold, Victor, Vienna, Austria, assignor to Technik & Investment A.-G., Vadus, Liechtenstein. Burner for liquid fuel. 2,001,611; May 14.
Ireland, Murray, assignor to Waters-Genter Company, Minneapolis, Minn. Toaster. 2,001,362; May 14.
Irving, Philip L., assignor to Mueller Brass Co., Port Huron, Mich. Valve. 2,001,251; May 14.
Ives, Clifford E., Wilmette, Ill. Hydraulic transmission. 2,001,325; May 14.
J. & L. Tool Company. (See Pearson, Carl, assignor.)
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Submarine camera. 2,001,682; May 14.
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Submarine camera. 2,001,683; May 14.
Jacobson, Ludwig G., Jamestown, assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Metal partition. 2,001,574; May 14.
Jacquemin, Marcel C. H., New Barking, England. Pipe for smoking. 2,001,612; May 14.
Jaeger, Alphons O. (See Daniels, L. C., and Jaeger.)
James, James V., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coating cord material. 2,001,375; May 14.
Jamieson, Aubrey C., Kew, Victoria, Australia. Measuring and delivering apparatus. 2,001,025; May 14.
Jarrier, René, St. Quentin, France, assignor to Bartlett Arkell, New York, N. Y. Automatic sacking and weighing apparatus. 2,000,968; May 14.
Jarry, Robert M., Paris, France. Extracting the phenols of tars and similar mixtures. 2,001,613; May 14.
Jedele, Alfred. (See Feussner, O., and Jedele.)
Jenkins Bros. (See Doherty, Harold F., assignor.)
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll Rand Company, Jersey City, N. J. Braking mechanism. 2,000,969; May 14.
Joers, Carl F., Los Angeles, Calif. Flashlight. 2,001,363; May 14.
John, Robert, New York, N. Y. Electric range. 2,001,326; May 14.
Johnson, Algot F., Minneapolis, Minn. Underwater drilling apparatus. 2,001,576; May 14.
Johnson, Clarence E., Quincy, Ill. Foldable chair. 2,001,252; May 14.
Johnson, Edwin A., Houston, Tex., assignor, by mesne assignments, to F. J. Hinderliter, Tulsa, Okla. Pressure head for oil wells. 2,001,684; May 14.
Johnson, Ernest C., Somerset, Pa. Leverage changing mechanism for motor vehicle brakes. 2,001,327; May 14.
Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Pull chain socket. 2,001,425; May 14.
Johnson, Harold E., Evanston, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Sealing means. 2,001,138; May 14.
Johnson, John H., Buffalo, Minn. Reciprocating engine. 2,001,377; May 14.
Johnson Matthey & Company. (See Turner, Harold, assignor.)
Johnson, Percy G., Letchworth, assignor to Victaulic Company Limited, London, England. Packing for pipe joints. 2,001,614; May 14.
Johnson, William V., Washington, D. C. Book holder. 2,001,139; May 14.
Jones, Benjamin W., Schenectady, assignor to General Electric Company, New York, N. Y. Time delay undervoltage protective system. 2,001,494; May 14.
Jones, Gordon R. (See Mueller, O. B., Hill, Tickling, and Jones.)
Jones, Sam P., assignor of forty per cent to E. W. Schadak, Dallas, Tex. Gas mixer. 2,000,901; May 14.
Jordan, Isaac N., assignor to Armour and Company, Chicago, Ill. Container. 2,001,140; May 14.
Joseph, Alfred, Enghien, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Process and apparatus for the treatment of heavy oils. 2,000,966; May 14.
Jost, Samuel E., Ogden, Utah. Tent. 2,001,196; May 14.
Judell, B. L., & Company. (See Mullen, John E., assignor.)
Kalunite Company. (See Fleischer, Arthur, assignor.)
Kaplan, Alexander, Cleveland, Ohio. Spool holder. 2,001,100; May 14.
Kapp, Frank J., New York, N. Y. Bottle closure. 2,001,426; May 14.
Karten, William T., Pittsburgh, Pa. Baking vessel. 2,001,615; May 14.
Katcher, Morris. (See Horwitt, N. G., and Katcher.)
Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 2,000,961; May 14.
Kehoe, Michael J., Springfield, Ohio. Dishwashing machine. 2,001,328; May 14.
Kehrle, Adam C., Buckfastleigh, England. Bee feeder. 2,001,453; May 14.
Kell, Francis, & Son, Inc. (See Kell, Henry F., assignor.)
Kell, Henry F., Scarsdale, N. Y., assignor to Francis Kell & Son, Inc. Escutcheon plate and handle assembly. 2,001,666; May 14.
Kelley, Leonard O., assignor to The Standard Computing Scale Company, Detroit, Mich. Coin operated weighing scale. 2,001,388; May 14.
Kellogg Company. (See Adams, R. T., Poole, and Raymer, assignors.)
Kelly, Charles P., Newark, N. J. Air conditioner. 2,001,309; May 14.
Kent, George, Messrs., Limited. (See Howard, Giles P. E., assignor.)
Kern, Emil. (See Snyder, H. D., and Kern.)
Kerone, Edward B. W. (See Olsen, F., Seavey, and Kerone.)
Kerone, Edward B. W. (See Seavey, F. R., and Kerone.)
Kerr, Mary D., Columbia, S. C. Container. 2,001,464; May 14.
Kidde, Walter, & Company. (See Helgis, Henry E., assignor.)
Klefer, William E., Allentown, Pa. Bobbin. 2,001,569; May 14.
Killborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,001,197; May 14.
Kirchoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough divider. 2,001,026; May 14.
Kirsten, Kurt F. J. (See McManamna, G. P., and Kirsten.)
Kittilsen, Coom, Lille Trag near Porsgrunn, Norway. Transmission for transmitting power at different speed ratios from a driver shaft to a driven shaft. 2,001,141; May 14.
Kittleson, Henry O., Milan, Minn. Load handling apparatus. 2,001,253; May 14.
Kitzmiller, William R., assignor to Frick Company, Waynesboro, Pa. Defrosting system. 2,001,027; May 14.
Kitzmiller, William R., assignor to Frick Company, Waynesboro, Pa. Defrosting system. 2,001,028; May 14.
Klegman, Charles S., Detroit, Mich. Safety razor. 2,001,198; May 14.
Klein, Frederick, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Control mechanism for warping machines and the like. 2,001,004; May 14.
Klein, Mathias, & Sons. (See O'Russa, Lorence, assignor.)
Klein, Maurus, Berlin, Friedrichshagen, Germany. Manufacture of electric cables. 2,001,005; May 14.
Kleist, Herman W., assignor to Dole Refrigerating Machine Company, Chicago, Ill. Refrigerator. 2,001,199; May 14.
Klinger, Karl Gumpoldskirchen, near Vienna, Austria, assignor to Naamlooze Vennootschap Irma Industrie en Ruwmaterialen Maatschappij, Rotterdam, Netherlands. Packing plate with screen lining and manufacturing same. 2,001,616; May 14.
Klinkhamer, Hendrik A. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Transformer for the conversion of polyphase currents. 2,001,465; May 14.
Knapp, Bernard, Kansas City, Mo. Aeroplane sign. 2,001,200; May 14.
Knapp-Monarch Company. (See Newnham, Eugene, assignor.)
Knapp-Monarch Company. (See Smith, John E., assignor.)
Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Intermittent absorption refrigerating apparatus and method. 2,001,142; May 14.
Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Intermittent absorption refrigerating apparatus. 2,001,143; May 14.
Koca, James F. (See Sears, R. W., 2d and Koca.)
Kochendoerfer, Gerd. (See Kunz, M. A., Kochendoerfer and Koeberle.)
Koeberle, Karl. (See Kunz, M. A., Kochendoerfer, and Koeberle.)
Kollias, Christ E. (See Cherpes, P. N., and Kollias.)
Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Furniture pad. 2,000,902; May 14.
Krag, Franz K., Chicago, Ill. Can or jar opener. 2,000,962; May 14.
Kratz, Edouard M., Gary, Ind., assignor, by mesne assignments, to Marbo Products Corporation, Chicago, Ill. Making transparent film material. 2,001,389; May 14.
Krefft, Hermann, Berlin-Friedrichshagen, Germany, assignor to General Electric Company. Lamp unit. 2,001,495; May 14.
Krhanský, Rudolf, Montreal, Quebec, Canada. Dowel pin. 2,001,144; May 14.
Kroelling, Walter, Cleveland Heights, Ohio. Flying toy mechanism. 2,001,496; May 14.
Kruse, John F. W., and C. W. Dawson, Oakmont and A. T. Richardson, Verona, Pa., assignors to Woodings-Verona Tool Works, Verona, Pa. Apparatus for manufacturing tie plates. 2,001,578; May 14.
Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Binder support for sewing machines. 2,001,446; May 14.

Kulick, Edward L. (See Kulick, Frank and E. L.)
Kulick, Frank, Detroit, and E. L. Kulick, Dearborn, Mich. Engine support for automobiles. 2,001,029; May 14.
Kunz, Max A., Mannheim, Gerd Kochendoerfer, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Pyridino compounds and their production. 2,001,201; May 14.
Kunze, Ernest L., Chemnitz, Germany. Shock absorber. 2,001,202; May 14.
Kurtz, Cyrus B., Cleveland, Ohio. Lamp. 2,001,030; May 14.
Kushinsky, Albert, Perth Amboy, N. J. Arch support. 2,001,203; May 14.
Lackey, Riley G., New Holland, Ga., assignor to Draper Corporation, Hopedale, Mass. Bobbin supporting device. 2,001,667; May 14.
Lambert, Albert L., Narberth, and W. J. Meinel, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Riveting. 2,001,145; May 14.
Lancaster, Eugene L., assignor of one-fourth to R. C. Lowe, Haskell, Tex. Harrow. 2,001,254; May 14.
Landis Tool Company. (See Balsiger, Harold E., assignor.)
Landrock, Paul. (See Caps, A. W., and Landrock.)
Landt, Gustave E., Norristown, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Cylindrical articles and method and apparatus for manufacturing the same. 2,001,031; May 14.
Lane, Louis R., Habana, Cuba. Puzzle. 2,001,067; May 14.
Lang, Franz, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein. Internal combustion engine. 2,001,535; May 14.
Lang, Franz, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein. Internal combustion engine. 2,001,536; May 14.
Langecker, Hedwig, Prague, Czechoslovakia, assignor to Schering-Kuhlbaum A. G., Berlin, Germany. Concentration of hormones in secretions of the human or animal body. 2,001,255; May 14.
Lanova Aktiengesellschaft. (See Lang, Franz, assignor.)
Lanyon, William J., Hanover, N. H. Collar protecting device. 2,001,617; May 14.
Larsson, Herman, Hedemora, Sweden. Folding support for folding tables. 2,001,364; May 14.
Laucks, I. F., Inc. (See Laucks, Irving F., assignor.)
Laucks, Irving F., assignor to I. F. Laucks, Inc., Seattle, Wash. Laminated cellulose unit and making same. 2,001,276; May 14.
Laugier, Carlos, assignor of thirty per cent to Marcos Odriozola and thirty per cent to T. R. Retana, Mexico, D. F., Mexico. Fuel charge heating means for automotive vehicles. 2,001,466; May 14.
Laurain, Alfred, assignor to Société du Caoutchouc Manufacturé, Paris, France. Buckle. 2,001,618; May 14.
Law, Duff C., deceased, Philadelphia, Pa., by J. F. Law, administratrix, Philadelphia, Pa., assignor to United Research Corporation, Long Island City, N. Y. Phototube. 2,001,685; May 14.
Law, Janet F., Administratrix. (See Law, Duff C.)
Lawhorn, Ervin F., and S. R. Brenaman, Lanark, Ill. Grinding device. 2,001,497; May 14.
Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Outsole removing machine. 2,000,963; May 14.
Leahy, James F., assignor to Atlas Tack Corporation, Fairhaven, Mass. Coloring aluminum articles. 2,001,427; May 14.
Le Barbier, Emile P. L., Nice, France. Method and apparatus for obtaining stereoscopic effects. 2,001,256; May 14.
LeBlanc, Emile. (See Appel, H. A., and LeBlanc.)
Lecler, Charles, assignor Levallois-Perret, to M. Houdaille, Levallois-Perret, Seine, France. Resilient connection. 2,001,257; May 14.
Lee, Leslie N. (See Dreyfus, C., and Lee.)
Leece, Bennett M., Cleveland, and D. S. Cole, Cleveland Heights, Ohio, assignors to The Leece-Neville Company, Cleveland, Ohio. Generator regulating device. 2,001,579; May 14.
Leece-Neville Company, The. (See Leece, B. M. and Cole, assignors.)
Lehmann, Willy, Elchwalde, near Berlin, Germany, assignor to Heinrich Kamper Motorenfabrik Aktiengesellschaft, Berlin, Marienfelde, Germany. Diesel engine. 2,000,903; May 14.
Lenher, Samuel, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing mono-olefines. 2,000,964; May 14.
Leopold, Henry. (See Minskey, S. Y., Foley and Leopold.)
Lester, Warren A., Oakland, Calif. Flushing valve mechanism. 2,001,390; May 14.
Levi, Emanuel, et al. (See Marten, Otto, assignor.)
Levilon Manufacturing Company. (See Sindy, Frank W., assignor.)
Levoyer, Antoine M. L., Paris, France. Motor car with trailer for camping. 2,001,619; May 14.
Lévy, René L., Montrouge, assignor to Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M., Fribourg, Switzerland. Retractable landing gear for aeroplanes. 2,001,620; May 14.
Lewis, Harold M., Douglaston, N. Y., assignor to Hazeltine Corporation. Short wave converter. 2,001,277; May 14.
Lewis, Howard B. (See Bruns, B., and Lewis.)
Lewis, Harold M., Bradley Beach, N. J., assignor to Radio Corporation of America, New York, N. Y. Pretuned radioreceiver and producing same. 2,001,146; May 14.
Libbey Glass Manufacturing Company, The. (See Schutz, Harold R., assignor.)
Lilienfeld, Leon, Vienna, Austria. Treatment of artificial fibrous material. 2,001,621; May 14.
Lincoln Electric Company, The. (See Brugge, Bernard J., assignor.)
Lindhard, Povl T., Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and cooler. 2,001,258; May 14.
Lindstrom, Frank L., Bridgeport, Conn. Miniature or toy boat. 2,001,365; May 14.
Link-Belt Company. (See Dewar, Peter K., assignor.)
Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating system. 2,000,965; May 14.
Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)
Lloyd, Roy D. (See Gardner, R. L., and Lloyd.)
Loepsinger, Albert J., and W. M. Trafton, assignors to American Moistening Company, Providence, R. I. Hygroscopic material and method of preparing the same. 2,001,066; May 14.
Long, James A., and H. E. Fiant, Reading, Pa. Pipe joint and making the same. 1,001,204; May 14.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 2,001,278; May 14.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 2,001,279; May 14.
Lorance, George T., Chappaqua, assignor to Electrical Research Products, Inc., New York, N. Y. Switching system. 2,001,101; May 14.
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Production of aralkyl ethers of cellulose. 2,001,102; May 14.
Lova, Alphonse C. (See Diefenderfer, V. J., and Lova.)
Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Manufacture of shoes having stiffened parts. 2,001,032; May 14.
Lowe, R. C. (See Lancaster, Eugene L., assignor.)
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lucke, Charles E., New York, N. Y., assignor to Bailey Meter Company. Regulating valve. 2,000,966; May 14.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Method of and apparatus for conditioning gas or vapor. 2,001,259; May 14.
Ludwig, Louis, Brooklyn, N. Y. Electric flasher. 2,001,580; May 14.
Lundgren, William E., Auburn, assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass. Loom shuttle structure. 2,000,967; May 14.
Lundgren, William E., Auburn, assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass. Weft replenishing loom. 2,000,968; May 14.
Lundgren, William E., Auburn, assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass. Weft replenishing loom structure. 2,000,969; May 14.
Lyons, Arthur G., Pennside, and W. S. Diehl, Shillington, assignors, by mesne assignments, to The Dent Hardware Company, Fullerton, Pa. Lock mechanism. 2,001,329; May 14.
Lyster, Thomas L. B. (See Hooker, P., Lyster, and Rue.)
Mabbott, Harold C. (See Colton, R. B., and Mabbott.)
MacGregor, John R., Albany, and E. E. Edwards, Oakland, assignors to Standard Oil Company of California, San Francisco, Calif. Portable heater. 2,001,068; May 14.
Mack, Fred A., executors, et al. (See Schottenfels, Henry, assignor.)
Maclaren, Stanley F. M. (See Snyder, F. H., and Maclaren.)
Madigan, Joseph M., Detroit, Mich. Vehicle jack. 2,001,467; May 14.
Maier, Albert. (See von Soden-Fraunhofen, A. G., and Maier.)
Maier, Albert, assignor to Zahnradfabrik Friedrichshafen, Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Freewheeling clutch. 2,001,668; May 14.
Manaster, Ben B., Chicago, Ill. Adjustable cravat holder. 2,001,261; May 14.
Manning, Bowman & Co. (See Rehm, William C., assignor.)
Manross, Bert, Warren, Pa. Revivifier. 2,000,972; May 14.
Manross, Bert, Warren, Pa. Collector for Fuller's earth. 2,000,971; May 14.
Manross, Bert, Warren, Pa. Revivifying Fuller's earth. 2,000,973; May 14.
Marbo Products Corporation. (See Kratz, Edouard M., assignor.)
Mariani, Angelina. (See Bruno, Frank A., assignor.)
Marten, Otto, assignor of one-third to E. Levi, and one-third to H. W. Stodehill, Louisville, Ky. Toy looping wheel. 2,001,205; May 14.
Martin, James, Higher Denham, England. Construction and arrangement of aeroplane wings. 2,001,260; May 14.

Marx, Karl F., Dearborn, Mich. Stereoscopic moving picture film printing machine. 2,001,280; May 14.
Mason, Cyril A., Northampton, England, assignor to General Electric Company. Stethoscope. 2,001,537; May 14.
Mathauer, Edmund G., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Actuating folding doors. 2,001,103; May 14.
Matherne, Albert M., Goose Creek, Tex. Pump operating mechanism. 2,001,033; May 14.
Mathes, Wilhelm. (See Prahl, W., and Mathes.)
Matthes, Ernst C., Leipzig, Germany. Hair thinning device. 2,001,206; May 14.
Matuszak, Maryan P., assignor to Fisher Scientific Company, Pittsburgh, Pa. Gas absorption pipette. 2,001,501; May 14.
Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Semiabrasive fabric. 2,001,261; May 14.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Fastener-applying implement. 2,001,104; May 14.
McAllister, Raymond C., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston assembly. 2,000,970; May 14.
McCas, David G., Lancaster, Pa. Reducing electrical disturbances. 2,001,622; May 14.
McClaren, Alfred E., Joplin, Mo. Automatic railway crossing gate. 2,001,147; May 14.
McClintock, Edward H., West Springfield, Mass. Structural unit. 2,001,428; May 14.
McCollum, Elton V., Ponca City, Okla., and G. C. McGhee, Eunice, La., assignors to Continental Oil Company, Ponca City, Okla. Making dip determinations of geological strata. 2,001,429; May 14.
McElroy, John H. (See Erickson, Einar, assignor.)
McGhee, George C. (See McCollum, E. V., and McGhee.)
McKee, Cyril M. (See Shaw, Lester C., assignor.)
McKeever, Hugh, Tulsa, Okla. Game apparatus. 2,001,350; May 14.
McKenna Brass & Manufacturing Co. (See Moberg, Evan L., assignor.)
McManamna, Gerald P., and K. F. J. Kirsten, Seattle, Wash. Gas gun. 2,001,207; May 14.
Mead, Andrew W., Seattle, Wash. Traffic buffer. 2,000,974; May 14.
Meigs, Joseph V., Hastings-upon-Hudson, N. Y., assignor to Plastix Corporation, Wilmington, Del. Resinous product and making same. 2,001,430; May 14.
Meincke, Howard D. (See Gephart, Orvon P., assignor.)
Meinel, William J. (See Lambert, A. L., and Meinel.)
Memorial Mausoleum Corporation. (See Brunk, Charles O. A., assignor.)
Mergott, J. E., Company. (See Hiering, William C., assignor.)
Metalcraft Corporation. (See Korte, Alfred C., assignor.)
Metal Textile Corporation. (See Mayer, Daniel J., assignor.)
Metz, Herman, and R. H. Brown, Paterson, N. J.; said Brown assignor, by mesne assignments, to said Metz. Treating shoes. 2,001,060; May 14.
Meyer, Wilfried, Berlin-Steglitz, and E. Weise, Berlin, Germany, assignors to General Electric Company. Electric translating device. 2,001,498; May 14.
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. System for energising space discharge devices. 2,001,148; May 14.
Miessner, Benjamin F., Millburn Township, Essex County, assignor to Miessner Inventions, Inc. Apparatus for the production of music. 2,001,391; May 14.
Miessner, Benjamin F., Millburn Township, N. J., assignor to Miessner Inventions, Inc. Method and apparatus for the production of music. 2,001,392; May 14.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller, Loyal J. (See Reed, Roy H., assignor.)
Mills, Ronald Van A., assignor to Continental Oil Company, Ponca City, Okla. Treating oil and gas wells. 2,001,350; May 14.
Minskey, Samuel V., L. T. Foley, and H. Leopold, Knox County, Tenn. Cylinder paper machine. 2,001,208; May 14.
Mitchell, William J., San Francisco, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rig for rotary drills. 2,000,975; May 14.
Mitchell, William J., San Francisco, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rotary drilling machine. 2,000,976; May 14.
Mittelman, Benjamin E., Chicago, Ill. Game. 2,001,366; May 14.
Moberg, Evan L., Latrobe, assignor to McKenna Brass & Manufacturing Co., Inc., Pittsburgh, Pa. Method and apparatus for bottling. 2,001,209; May 14.
Molinare, Anthony W., Forest Park, Ill., assignor to Highway Trailer Company, Edgerton, Wis. Electrical contact for articulated vehicles. 2,001,393; May 14.
Mönchein, Carl, assignor of one-fourth to G. Greiner and one-fourth to J. Reitner, Vienna, Austria. Retailing container for fruit and the like. 2,001,149; May 14.
Montgomery, Hiram W., Topanga, Calif. Insert for umbrellas. 2,001,623; May 14.
Moody, Virginius W., Brooklyn, assignor of two-thirds to Reynolds Metals Company, New York, N. Y., and one-third to Robertshaw Thermostat Company, Youngwood, Pa. Refrigerator and temperature control device. 2,001,105; May 14.
Moore, J. W., Valve Corporation. (See Moore, R. H., and Allen, assignors.)
Moore, Robert H., and R. B. Allen, Lexington, assignors to J. W. Moore Valve Corporation, Everett, Mass. Fusible safety device. 2,001,086; May 14.
Moore, William M., Maywood, Ill. Garment bag. 2,001,624; May 14.
Morse, Sterne, Richmond Heights, Ohio. Automatic regulation of water in storage batteries. 2,001,210; May 14.
Moseley, William H., Springfield, assignor of one-tenth to Samuel W. Banning, trustee, Chicago, Ill. Resurfacing concrete pavement. 2,000,977; May 14.
Moseley, William H., Springfield, assignor of one-tenth to Samuel W. Banning, trustee, Chicago, Ill. Resurfacing and widening road structures. 2,000,978; May 14.
Mosher, Lyman E., East Herkimer, N. Y. Crane and wire rack. 2,001,034; May 14.
Moss, Joseph, Woonsocket, R. I., assignor, by mesne assignments, to Whitin Machine Works, Whitinsville, Mass. Picker. 2,001,687; May 14.
Moutoux, Emil E., Riverhead, N. Y. Bait or minnow box. 2,001,468; May 14.
Mueller Brass Co. (See Irving, Philip L., assignor.)
Mueller Brass Co. (See Mueller, O. B., Hill, Tielking, and Jones, assignors.)
Mueller, Oscar B., C. A. Hill, and J. W. Tielking, Port Huron, Mich., and G. R. Jones, Rochester, N. Y., assignors to Mueller Brass Co., Port Huron, Mich. Heating tool. 2,001,538; May 14.
Mullen, John E., assignor of one-half to H. L. Judell & Company, San Francisco, Calif. Show case. 2,001,100; May 14.
Müller, Heinrich, Nurenburg, Germany. Wheeled toy. 2,001,625; May 14.
Müller, Richard, Heidelberg, and E. Rabald, Mannheim, assignors to C. F. Boehringer & Saehne G. m. b. H., Mannheim-Waldhof, Germany. Production of fatty acid anhydrides. 2,001,211; May 14.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Tally roll mechanism. 2,001,367; May 14.
Mundet, L., & Son, Inc. (See Villanyi, Charles M., assignor.)
Munlock Engineering Company. (See Munson, Luther S., assignor.)
Munson, Luther S., West Riverdale, Md., assignor to Munlock Engineering Company, Washington, D. C. Building wall. 2,001,469; May 14.
Myers, Eugene V., East Orange, N. J. Safety belt or the like. 2,000,980; May 14.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf", (See Salnikoff, Wadim, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Klinkhamer, Hendrik A. W., assignor.)
Naamloose Vennootschap Irma Industrie en Ruwmaterialen Maatschappij. (See Klinger, Karl, assignor.)
Nanfeldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Brake lining with metallic lubrication. 2,001,539; May 14.
National Fireproofing Corporation. (See Foster, Harry D., assignor.)
National Fireproofing Corporation. (See Shipley, Roy A., assignor.)
National Lock Co. (See North, Edwin W., assignor.)
National Lock Washer Company. (See Schunk, Joseph, assignor.)
National Postal Meter Company. (See Ryan, Commodore D., assignor.)
National Washboard Company. (See Gilbert, Charles T., assignor.)
Neinhouse, Menno, Muskegon, Mich. Window jack. 2,001,626; May 14.
Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,001,150; May 14.
Nenstiehl, William C., Wilmington, Del. Closure for dispensing containers. 2,001,627; May 14.
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating systems. 2,001,540; May 14.
Newnham, Eugene, St. Louis, Mo., assignor to Knapp-Monarch Company, Belleville, Ill. Motor support for air circulators and heaters. 2,001,151; May 14.
Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Parting means for looms. 2,001,310; May 14.
Nierinck, Fernand, Riverside, Chelmsford, assignor to Chelmsford Egg Supply Company (1934) Limited, London, England. Preserving foodstuffs. 2,001,628; May 14.
Noll, Elmer R., assignor to The William Powell Company, Cincinnati, Ohio. Valve. 2,001,035; May 14.
Nore, Waldo D., North Pitcairn, Pa. Water lock boiler feed system. 2,001,431; May 14.
Norgren, Carl A., Denver, Colo. Fire extinguisher. 2,001,394; May 14.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Lock. 2,001,262; May 14.

Nuttelman, Arthur, West Salem, Wis. Corn husker. 2,001,351; May 14.
Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical device. 2,001,282; May 14.
Nyvall, Yngve J., San Pedro, Calif. Archer's bow. 2,001,470; May 14.
O'Connell, Timothy M., Philadelphia, Pa. Votive light. 2,001,312; May 14.
Odriosola, Marcos, et al. (See Laugier, Carlos, assignor.)
Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Okonite Company, The. (See Hendey, Fred, assignor.)
Older, Clifford, Wilmette, Ill. Fluid pressure indicator. 2,001,368; May 14.
Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
Olney, George W., Minneapolis, Minn. Stoker for furnaces. 2,001,152; May 14.
Olsen, Fredrich, F. R. Seavey, and E. B. W. Kerone, Alton, assignors to Western Cartridge Company, East Alton, Ill. Priming composition. 2,001,212; May 14.
Olving, Bror G., Hamden, Conn., assignor to Products Protection Corporation. Circuit controlling and indicating device. 2,001,432; May 14.
Omansky, Morris, Boston, Mass., assignor to E. W. Colledge, General Sales Agent, Inc., Jacksonville, Fla. Plastic composition. 2,001,311; May 14.
O'Russa, Lorence, Princeville, assignor to Mathias Klein & Sons, Chicago, Ill. Wire gripping tool. 2,001,541; May 14.
Osawa, Juichi, Mita, Shibaku, Tokyo, Japan, assignor to Western Electric Company, Incorporated, New York, N. Y. Phase modulating system. 2,001,107; May 14.
Osborn, Howard H. (See Fischer, H. G., and Osborn.)
Osterhout, George H. United States Marine Corps., Paris Island, S. C. Fountain pen and filler. 2,001,263; May 14.
Otis Elevator Company. (See Hymans, Frederick, assignor.)
Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Undervoltage protective system. 2,001,542; May 14.
Pacific Electric Manufacturing Corporation. (See Thompson, Joseph S., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packman, Percival J., Seven Kings, assignor to The Plessey Company Limited, Ilford, Essex, England. Electrical condenser. 2,001,153; May 14.
Paige, Richard E., Flushing, N. Y. Display device. 2,001,499; May 14.
Parker, Charles K., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Stabilized hydrocarbon oil. 2,001,108; May 14.
Parker, Ledru R., San Antonio, Tex. Belt treatment. 2,001,582; May 14.
Parkhill, Mortimer S., and C. W. Taylor, Corning, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Water jacket construction for engines. 2,000,979; May 14.
Parsons, Carl B., Detroit, Mich. Kitchen cabinet. 2,000,981; May 14.
Patent Button Company, The. (See White, Franklin R., assignor.)
Patten Paper Company. (See Baker, Horace C., assignor.)
Paugh, James J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding. 2,001,688; May 14.
Paulding, John I., Inc. (See Johnson, Frank E., assignor.)
Paulding, John I., Inc. (See Wack, Henry K., assignor.)
Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Control system. 2,001,543; May 14.
Payson, Arthur H., assignor to The American Thermos Bottle Company, Norwich, Conn. Double-walled vacuum container. 2,001,154; May 14.
Peale-Davis Company. (See Peale, Rembrandt, Jr., assignor.)
Peale, Rembrandt, Jr., St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 2,001,331; May 14.
Pearmain, William J., Racine, assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,001,395; May 14.
Pearson, Carl, Pawtucket, R. I., assignor to J. & L. Tool Company, Attleboro, Mass. Finding for a clasp. 2,001,213; May 14.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Drill sharpener. 2,001,689; May 14.
Pecker, Joseph S., assignor to Autogiro Company of America, Philadelphia, Pa. Rotary-winged aircraft. 2,000,904; May 14.
Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Coking hydrocarbons. 2,001,214; May 14.
Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 2,001,313; May 14.
Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 2,001,314; May 14.

Pepper, Percy, Fort Wayne, Ind. Brake. 2,001,630; May 14.
Perillat, Charles D., assignor to Haselton-De Bevoise Inc., Worcester, Mass. Garment. 2,001,283; May 14.
Peters, Peter N., New York, N. Y. Razor blade. 2,001,155; May 14.
Petersen, Karl W., assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Reenforced fiber board box. 2,000,982; May 14.
Petrie, Carlton J., Montour Falls, N. Y. Fish line float. 2,001,109; May 14.
Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)
Phillips, Harold P., Maplewood, Mo. Antipiston slap means. 2,001,544; May 14.
Photostat Corporation. (See Caps, A. W., and Landrock, assignors.)
Pioneer Instrument Company. (See Urfer, Adolf, assignor.)
Plastix Corporation. (See Megis, Joseph V., assignor.)
Plato, Gerhardt, Chicago, Ill. Rotary fluid driven motor. 2,000,984; May 14.
Plessey Company Limited, The. (See Packman, Percival J., assignor.)
Podolsky, Jacob, Dorchester, Mass. Valve. 2,001,545; May 14.
Poe, Fred M., Suffern, assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Casting mold. 2,001,583; May 14.
Polhemus, Charles B. (See Smith, F. T., and Polhemus.)
Poole, Richard S. (See Adams, R. T., Poole, and Raymer.)
Pourtier, Gaston, Romainville, France. Machine for covering electrical wires or tapes. 2,001,546; May 14.
Powell, William B. (See Cundall, R. M., and Powell.)
Powell, William, Company, The. (See Noll, Elmer R., assignor.)
Prahl, Milton A. (See Henke, C. O., and Prahl.)
Prahl, Walter, and W. Mathes, assignors to Dr. F. Raschig, G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Manufacture of aniline from chlorobenzene and ammonia. 2,001,284; May 14.
Pratt, Lucy F. (See Carlson, Johan A., assignor.)
Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Mixing device and the like. 2,001,036; May 14.
Principotta, Emanuel, Grosse Pointe, Mich. Cooking utensil. 2,001,352; May 14.
Proctor, Robert V., and C. B. Cushwa, assignors to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Conduit. 2,001,315; May 14.
Productive Equipment Corporation. (See Soldan, Lewis E., assignor.)
Products Protection Corporation. (See Olving, Bror G., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Public, Free use of the. (See Busch, Thomas N.)
Public, Free use of the. (See Thelen, Rolf, assignor.)
Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match holder. 2,001,264; May 14.
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Pumphrey, Harry E., Pasadena, Calif. Headrest for motor vehicles. 2,001,396; May 14.
Quasso, Alfred D., San Antonio, Tex., assignor of one-fourth to S. P. Daily, Jr., New York, N. Y. Garment supporter. 2,001,629; May 14.
Quinlan, Ann R. (See Quinlan, Eldridge W., and A. R.)
Quinlan, Eldridge W., and A. R., Chicago, Ill. Light modifying device. 2,000,985; May 14.
Quisling, Sverre, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa. Closure fastening means. 2,000,983; May 14.
Rabald, Erich. (See Müller, R., and Rabald.)
Rabkin, William, New York, N. Y. Bulk dispensing device. 2,001,110; May 14.
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Grimes, David, assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Lewis, Harold M., assignor.)
Radio Corporation of America. (See Miessner, Benjamin F., assignor.)
Radio Corporation of America. (See Scofield, Theodore J., assignor.)
Rasch, William T., assignor to American Gas Products Corporation, New York, N. Y. Burner for gas heated radiators. 2,001,397; May 14.
Raschig, Dr. F., G. m. b. H. (See Prahl, W., and Mathes, assignors.)
Ravening, Alfred W., West Springfield, Mass. Air deflector and water circulator. 2,001,398; May 14.
Raymer, Morris. (See Adams, R. T., Poole, and Raymer.)
Rea, Wilson T., Flushing, N. Y., and T. C. Henneberger, Caldwell, N. J., assignors to American Telephone and Telegraph Company. Voltage compensation in signaling circuits. 2,001,037; May 14.
Reda Pump Company. (See Arutunoff, Armais, assignor.)
Rechnitzer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Rectifier and filter circuit. 2,000,986; May 14.

Reed, Marion C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Substituted morpholines and making the same. 2,001,584; May 14.
Reed, Roy H., assignor of one-half to Loyal J. Miller, Oklahoma City, Okla. Vehicle jack. 2,001,265; May 14.
Reihm, William C., assignor to Manning, Bowman & Co., Meriden, Conn. Electric cooker. 2,001,285; May 14.
Reid, George H., London, England. Gyroscopic indicator for use with air and other craft. 2,001,038; May 14.
Reilly, Alfred F., North Attleboro, Mass. Vanity case construction. 2,001,691; May 14.
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Vanity case. 2,001,690; May 14.
Reinforced Paper Bottle Corporation. (See Bodor, Andrew, assignor.)
Reith, George C., Revere, Mass. Cold handle stove cover lifter. 2,001,286; May 14.
Reitner, Josef et al. (See Monchein, Carl, assignor.)
Remington Arms Company. (See Brün, Willi, assignor.)
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Replogle, John R. (See Gilbert, H. H., and Replogle.)
Research Corporation. (See Gilbert, Chester G., assignor.)
Research Foundation, Inc. (See Tornsjo, Gustaf E., assignor.)
Retana, Thomas R., et al. (See Laugier, Carlos, assignor.)
Reynolds Gas Regulator Co. (See Hughes, Ralph C., assignor.)
Reynolds, Harry H. (See Downing, F. B., Clarkson, and Reynolds.)
Reynolds Metals Company et al. (See Moody, Virginius W., assignor.)
Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
Rhodes, Marcus H., Hartford, assignor to M. H. Rhodes, Inc., Hartford, Conn. Time controlled switch. 2,001,264; May 14.
Rhodes, Omer E., Aberdeen, and F. L. Rockwell, Cosmopolis, Wash. Motor mounting. 2,001,111; May 14.
Rice, Harry B., assignor to Vacuum Bolting Cloth Cleaner Corporation, Houston, Tex. Sieve liner. 2,001,631; May 14.
Rich, Donald U., Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,001,692; May 14.
Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler operating mechanism. 2,000,987; May 14.
Richardson, Andrew T. (See Kruse, J. F. W., Dawson, and Richardson.)
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Operating plunger lift apparatus. 2,001,547; May 14.
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe suitcase. 2,001,156; May 14.
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Closure guide. 2,001,157; May 14.
Robertshaw Thermostat Company et al. (See Moody, Virginius W., assignor.)
Robinson, Joseph E., Sr. (See Ware, Mack, assignor.)
Robinson, Joseph, New York, N. Y. Electrical vaporizer. 2,000,988; May 14.
Rockefeller, John W., Jr., New York, N. Y. Helical spring. 2,000,905; May 14.
Rockwell, Frank L. (See Rhodes, O. E., and Rockwell.)
Rockwood, Aaron W., Winchester, assignor to Haley, Cate, Rockwood Company, Everett, Mass. Manufacturing piping, welting or the like. 2,001,693; May 14.
Roeder, Clyde A., Omaha, Nebr. Hydraulic brake. 2,001,585; May 14.
Römhild, Edgar, Berlin-Steglitz, Germany, assignor to General Electric Company. Cathode for electric discharge devices. 2,001,548; May 14.
Ross, Albert S., Ada, Okla. Rubber band gun. 2,001,267; May 14.
Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Leer loader. 2,001,332; May 14.
Rothen, Charles J., New York, N. Y. Game device. 2,001,500; May 14.
Royal, Thomas M., Philadelphia, Pa. Manufacture of bags. 2,000,989; May 14.
Rubber Service Laboratories Company, The. (See Sibley, Robert L., assignor.)
Rue, John D. (See Hooker, P., Lyster and Rue.)
Rue, John D., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Pulp treating process. 2,001,268; May 14.
Ruesenberg, Carl A., Rockford, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Circulating pump. 2,001,369; May 14.
Ruppel, Frederick H., Pasadena, Calif. Structure. 2,001,215; May 14.
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Head slide for automatic machine tools. 2,001,586; May 14.
Rustless Iron Corporation of America. (See Feild, Alexander L., assignor.)
Ruthsaccumulator Aktiebolag. (See Föhl, Carl, assignor.)
Rüttenauer, Alfred, Berlin-Halensee, and O. Fritze, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,001,501; May 14.
Ryan, Commodore D., assignor to National Postal Meter Company, Los Angeles, Calif. Hand operated postal machine. 2,001,287; May 14.
SKF Industries, Inc. (See Brunner, Harold E., assignor.)
Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
Salnikoff, Wadim, Berlin, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Transfer of liquefied gases. 2,001,353; May 14.
Samuel, Arthur L., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,000,990; May 14.
Sand, John, Newark, N. J., assignor to Gemex Company. Bracelet buckle. 2,001,216; May 14.
Sandy, Thomas, Goderich, Ontario, Canada. Screening apparatus. 2,001,549; May 14.
Sanford, Hugh W., Knoxville, Tenn. Latch for automatic dumping vehicles. 2,001,471; May 14.
Sanitary Public Service Corporation. (See Schaefer, George, Jr., assignor.)
Sapp, John P. (See Haren, U. C., and Sapp.)
Sargent, C. G., Sons Corporation. (See Forty, Albert G., assignor.)
Satre, Hilmar E., Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y. Excavating, hoisting, dumping, and conveying apparatus. 2,001,502; May 14.
Satre, Hilmar E., Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y. Excavating and conveying machine. 2,001,503; May 14.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Lamp. 2,001,472; May 14.
Schadek, E. W. (See Jones, Sam P., assignor.)
Schaefer, George, Jr., Flushing, assignor to Sanitary Public Service Corporation, New York, N. Y. Dual purpose seat cover and towel forming machine. 2,001,112; May 14.
Schaefer, George, Jr., Flushing, assignor to Sanitary Public Service Corporation, New York, N. Y. Machine for handling strip material. 2,001,113; May 14.
Scharwath, John A., Jersey City, N. J. Machine for making shingles. 2,001,399; May 14.
Schaum, Fletcher, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Centrifugal. 2,001,550; May 14.
Scherling-Kahlbaum A. G. (See Langecker, Hedwig, assignor.)
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine. Drying of sheet material. 2,000,991; May 14.
Schindler, Robert B., Spring City, Pa. Stocking toe. 2,001,370; May 14.
Schlichting, Otto, Berlin-Steglitz, Germany. Insulation against losses of heat and cold. 2,001,632; May 14.
Schlitt, Joseph L., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of constituents of gaseous mixtures. 2,000,992; May 14.
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for ascertaining the proportional value of a combustible constituent of a flowing fluid. 2,001,114; May 14.
Schmidt, Michael, Junction City, Kans., assignor of one-half to C. W. Wilson, Kansas City, Mo. Axle and wheel aligner. 2,000,993; May 14.
Schmidt, Rudolf, Weisswasser, Germany, assignor to General Electric Company, New York, N. Y. Gaseous electric discharge lamp device. 2,001,504; May 14.
Schorr, Max, Houston, Tex. Insulated staple. 2,001,288; May 14.
Schottenfels, Henry, deceased; M. Schottenfels and F. A. Mack, executors, assignors to Monroe Schottenfels, West New York, N. J. Brassière back connections for evening attire. 2,001,505; May 14.
Schottenfels, Monroe. (See Schottenfels, Henry, assignor.)
Schottenfels, Monroe, executors, et al. (See Schottenfels, Henry, assignor.)
Schrauben- und Schmiede-Waarenfabriks-Actiengesellschaft Breviller & Co. und A. Urban & Soehne. (See Heller, Julius, assignor.)
Schranuth, Walther, Berlin-Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Sulphonated naphthenic alcohol and preparing the same. 2,000,994; May 14.
Schubert, Hermann J., Hackensack, N. J. Combination weather-strip and window frame. 2,001,433; May 14.
Schuler, Karl. (See Barth, K., Schuler and Wanger.)
Schülze, Albert, Neustadt on the Tafelfichte, Czechoslovakia. Safety closure for letters. 2,001,434; May 14.
Schunk, Joseph, assignor to National Lock Washer Company, Newark, N. J. Bur or car window construction. 2,001,435; May 14.
Schutz, Harold R., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Machine for flaring glass articles. 2,001,436; May 14.
Scofield, Theodore J., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Compensating for temperature changes in piezo-electric crystal devices. 2,001,217; May 14.
Scott, Clarence N., Houston, Tex. Plunger lift apparatus. 2,001,551; May 14.

Scott, Clarence N., Houston, Tex. Plunger lift control device. 2,001,552; May 14.
Scott Paper Company. (See Howell, C. M., and Clark, assignors.)
Sears, Richard W., 2d, and J. F. Koca, Woodstock, Ill.; said Koca assignor to said Sears. Flying machine. 2,001,158; May 14.
Seavey, Frederick R. (See Olsen, F., Seavey, and Kerone.)
Seavey, Frederick R., and E. B. W. Kerone, Alton, assignors to Western Cartridge Company, East Alton, Ill. Handling sensitive materials. 2,000,995; May 14.
Seely, Thomas H., Melrose, and M. H. Ballard, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel breasting machine. 2,000,996; May 14.
Segal, Hyman R., New York, N. Y. Safety razor. 2,001,218; May 14.
Segovia, Crispin B., New York, N. Y. Geographical clock. 2,001,633; May 14.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,001,150; May 14.
Seillière, Serge R., Paris, France. Hydraulic compressor. 2,001,269; May 14.
Semon, Waldo L., Silver Lake Village, and T. F. Ford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Manufacture of mercapto aryl thiazoles. 2,001,587; May 14.
Senft, Willibald. (See Weigner, O., and Senft.)
Servel, Inc. (See Clarke, James M., assignor.)
Shamberger, George A., Shaw, Oregon. Aeroplane. 2,001,400; May 14.
Shankweiler, Fred K., Newport, and W. E. Gloor, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del. Nitrocellulose gel and method of producing. 2,001,070; May 14.
Sharpe, Peter F., Atlantic City, N. J. Universal shaft connection. 2,000,997; May 14.
Shaw, Harold N., Erie, Pa. Heating device. 2,001,219; May 14.
Shaw, Lester C., Alameda, assignor of one-half to Cyril M. McKee, Oakland, Calif. Changeable sign device. 2,001,115; May 14.
Sheffield, Cyril C., and G. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,001,289; May 14.
Shipley, Roy A., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Conduit and making the same. 2,001,316; May 14.
Shoe Form Co. (See DeWitt, William J., assignor.)
Shore Corporation. (See Smith, Walter S., assignor.)
Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber composition and method of preserving rubber. 2,001,071; May 14.
Sidney, Philip, Jersey City, N. J. Fastening device. 2,001,401; May 14.
Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
Sipp-Eastwood Corporation. (See Klein, Frederick, assignor.)
Slady, Frank W., assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Electric lamp socket. 2,001,317; May 14.
Slaughenhop, George E., Vernon, Tex. Combined rod guide, rod check and paraffin swab. 2,001,270; May 14.
Smidth, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Francis T., and C. B. Polhemus, San Jose, Calif. Lock sealing means. 2,001,354; May 14.
Smith, John F., assignor to Knapp-Monarch Company, Belleville, Ill. Percolator construction. 2,001,160; May 14.
Smith, Joseph R., Cumberland, Md. Tube sheet for boilers. 2,001,337; May 14.
Smith, Leonard G., Miami, Fla. Barbecuing stove. 2,001,116; May 14.
Smith, Mark E., assignor to Union Iron Works, Erie, Pa. Steam generator. 2,001,437; May 14.
Smith, Richard C., Seattle, Wash. Card dealing device. 2,001,220; May 14.
Smith, Wallace W., assignor to Inland Steel Company, Chicago, Ill. Double wall structure. 2,001,473; May 14.
Smith, Walter G. E., Portland, Oreg. Gate valve. 2,001,271; May 14.
Smith, Walter S., Quincy, Mass., assignor to Shore Corporation, Dover, Del. Manifold. 2,001,669; May 14.
Smith, Walter S., Quincy, Mass., assignor to Shore Corporation, Dover, Del. Intake system for multicylinder internal combustion engines. 2,001,670; May 14.
Smitt, Göta J. J., Vasteras, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Arsenic-containing cement. 2,001,506; May 14.
Snyder, Francis H., Niagara Falls, N. Y., and S. F. M. Maclaren, Niagara Falls, Ontario, Canada, assignors to Industrial Research, Limited, Niagara Falls, Ontario, Canada. Tin plating. 2,001,474; May 14.
Snyder, Harry D., New York, and E. Kern, Flushing, N. Y. Perforating device. 2,001,161; May 14.
Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M. (See Lévy, René L., assignor.)
Société du Caoutchouc Manufacturé. (See Laurain, Alfred, assignor.)
Société Parisienne pour l'Industrie des Chemins de Fer et des Tramways Electriques. (See Guignard, Edouard, assignor.)
Soldan, Lewis E., assignor to Productive Equipment Corporation, Chicago, Ill. Screening apparatus. 2,000,998; May 14.
South West Box Company, et al. (See Petersen, Karl W., assignor.)
Spence, Paulsen, East Orange, N. J. Valve. 2,001,318; May 14.
Spencer, John A., Newtonville, assignor, by mesne assignments, to General Plate Company, Attleboro, Mass. Manufacturing radially corrugated disks. 2,001,553; May 14.
Spencer, White & Prentis, Incorporated. (See Satre, Hilmar E., assignor.)
Spiller, William R., assignor to The White Motor Company, Cleveland, Ohio. Mechanism for changing and governing the speed of engines. 2,001,590; May 14.
Sprague, Frank J., assignor to General Railway Signal Company, New York, N. Y. Train-control apparatus. 2,001,163; May 14.
Sprague, Philip T., Long Beach, Ind. Portable testing instrument. 2,001,588; May 14.
Squibb, E. R., & Sons. (See Christiansen, W. G., and Harris, assignors.)
Stacks, Howard R. (See Turner, H. C., and Stacks.)
Stahl, Frank E., Tonawanda, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Buckle. 2,001,072; May 14.
Standard Computing Scale Company, The. (See Kelley, Leonard D., assignor.)
Standard Oil Company of California. (See MacGregor, J. R., and Edwards, assignors.)
Standard Oil Company of California. (See Parker, Charles K., assignor.)
Stanley, George J., assignor to Aluminum Company of America, Pittsburgh, Pa. Cable. 2,001,319; May 14.
Staples, Elliot M., Hohokus, N. J., assignor to American Telephone and Telegraph Company. Telephone signaling system. 2,001,039; May 14.
Stein, Berthold, Mannheim, and F. Baumann, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of 1,4-diamino-2-aryloxyanthraquinone-3-sulphonic acid. 2,001,221; May 14.
Stein, Jacob, Brooklyn, N. Y. Coupler for jointed dolls. 2,001,334; May 14.
Steiner, Anna, New York, N. Y. Artificial eyebrow. 2,001,589; May 14.
Stensgaard, William L., Chicago, Ill. Supporting apparatus. 2,001,222; May 14.
Stevens, Donald R., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Petroleum product. 2,001,634; May 14.
Stivers, Jake M., Carthage, Mo. Hone. 2,001,073; May 14.
Stöbe, Robert. (See von Grüber-Rehenburg, R., and Stöbe.)
Stodghill, Howard W., et al. (See Marten, Otto, assignor.)
Stout, Oscar M., Garden City, and H. Hoyer, Woodhaven, N. Y., assignors to Sweets Company of America, Inc., New York, N. Y. Wrapping machine. 2,001,074; May 14.
Strauss, Joseph B., Chicago, Ill. System of building construction. 2,001,162; May 14.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton machine. 2,001,223; May 14.
Stribling, John W., assignor to G. Hunt, Detroit, Mich. Latch mechanism. 2,001,507; May 14.
Stuber & Kuck Co. (See Abele, Theodore J., assignor.)
Stuck, William R., Los Angeles, Calif. Tray. 2,001,438; May 14.
Sturgis, Charles E., Rochester, N. Y. Reaming tool. 2,001,635; May 14.
Sublette, Reyborn R. (See Bear, J. W., and Sublette.)
Suehland, John C., Lincoln Park, Mich. Trailer. 2,000,999; May 14.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Method and machine for making fasteners. 2,001,591; May 14.
Sundstrand, Carl A., Rockford, Ill. Nut chopper. 2,001,075; May 14.
Süssmuth, Karl W., Langenau, near Ulm, Germany. Beverage product. 2,001,554; May 14.
Sutton Tool Co. (See Lundgren, William E., assignor.)
Swan, Andrew, and W. Helmore, Hampshire, England. Induction system for internal combustion engines. 2,001,164; May 14.
Sward, Cecil W., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Terminal for electrical conductors and the like. 2,001,636; May 15.
Sweeney, David, Maywood, Ill. Beer dispensing equipment. 2,001,040; May 14.
Sweets Company of America, Inc. (See Stout, O. M., and Hoyer, assignors.)
Swennes, Benjamin A., Rockford, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Propeller shaft. 2,001,165; May 14.
Swennes, Benjamin A., Rockford, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Propeller shaft. 2,001,166; May 14.
Swennes, Benjamin A., Rockford, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Propeller shaft. 2,001,167; May 14.

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill feeding apparatus. 2,001,637; May 14.
Tamés, Joseph E., Mixcoac, Mexico. Automobile top. 2,001,224; May 14.
Tarsian, Barkes, Bryn Mawr, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio tuning apparatus. 2,001,076; May 14.
Taylor, Charles W. (See Parkhill, M. S., and Taylor.)
Taylor, William I., and L. B. Gibbins, Spondon near Derby, England, assignors to Celanese Corporation of America. Production of artificial filaments, yarns, or thread. 2,001,000; May 14.
Technik & Investment A.-G. (See Ipold, Victor, assignor.)
Teetor, Macy O., Newcastle, Ind. Ventilator attachment for toilet seats. 2,001,592; May 14.
Teetor, Macy O., Newcastle, Ind. Air purifying ventilator for toilet bowls. 2,001,593; May 14.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)
Texas Company, The. (See de Flores, Luis, assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thelen, Rolf, Madison, Wis., dedicated to the free use of the public. Reversible circulation internal fan kiln. 2,001,001; May 14.
Thoke, Rudolph G., La Grange, assignor to Hydrox Corporation, Chicago, Ill. Confection. 2,001,371; May 14.
Thomann, Frederick A., East Moline, assignor to Deere & Company, Moline, Ill. Harvester. 2,001,077; May 14.
Thomas, William D., Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cement sole-attaching machine. 2,001,002; May 14.
Thompson, Harry F. (See Boals, Eli R., assignor.)
Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Electrical switch. 2,001,080; May 14.
Thompson, Milton E., Ridgway, Pa. Synchronous motor. 2,001,439; May 14.
Thomson, Robert, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Forming a fluid-tight joint. 2,001,290; May 14.
Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,001,081; May 14.
Tielking, John W. (See Mueller, O. B., Hill, Tielking, and Jones.)
Timken-Detroit Axle Company, The. (See Buckendale, Laurence R., assignor.)
Tobias, Werner, Berlin-Sudende, Germany, assignor to Aktiebolaget Tonsor, Gottenburg, Sweden. Razor blade grinding machine. 2,001,117; May 14.
Tobin, Claude R., St. Louis, Mo. Protecting device for baseball umpires. 2,001,508; May 14.
Tonko, Josef C., Detroit, Mich. Supporting device. 2,001,291; May 14.
Tornsjo, Gustaf E., assignor to Research Foundation, Inc., Columbia, Mo. Surgical needle. 2,001,638; May 14.
Trafton, William M. (See Loepsinger, A. J., and Trafton.)
Trebler, Henning A., Baltimore, Md., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Device for the irradiation of milk with ultra-violet rays. 2,001,555; May 14.
Tritt, Forest G., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Partitioned hollow rubber article and making the same. 2,001,594; May 14.
Trobridge, Geoffrey W. (See Gorham, W. G., and Trobridge.)
Tubise Chatillon Corporation. (See Epps, Carl, assignor.)
Tuft, Miles H., Rock Island, assignor to Deere & Company, Moline, Ill. Planter and fertilizer distributor. 2,001,043; May 14.
Turner, Charles A., assignor to Electric Controller Corporation, Chicago, Ill. Flow indicator. 2,001,168; May 14.
Turner, Charles S., Detroit, Mich. Method of and apparatus for superheating. 2,000,906; May 14.
Turner, Charles S., Detroit, Mich. Fluid cooled superheater construction. 2,001,556; May 14.
Turner, Charles S., Detroit, Mich. Superheater assembly. 2,000,907; May 14.
Turner, Harold, Sheffield, assignor to Johnson Matthey & Company Limited, London, England. Silver solder. 2,001,639; May 14.
Turner, Hughes C., New York, N. Y., and H. R. Stacks, Detroit, Mich., said Stacks assignor to said Turner. Display appurtenance to weighing mechanism. 2,001,372; May 14.
Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Uber, Edmond. (See von Vágó, P., and Uber.)
Ukropina, Bosidar J., Los Angeles, Calif. Reenforced concrete pipe joint. 2,001,041; May 14.
Ukropina, Bosidar J., Los Angeles, Calif. Concrete pipe construction. 2,001,042; May 14.
Ukropina, Bosidar J., Los Angeles, Calif. Concrete pipe joint. 2,001,043; May 14.
"Unichem" Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
Union Bank of Chicago, as trustee. (See Cowles, Irving, assignor.)
Union Iron Works. (See Smith, Mark E., assignor.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Switch & Signal Company, The. (See Witmer, Harold G., assignor.)
United Autographic Register Co. (See Winter, Charles L., assignor.)
United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)
United Engineers and Constructors, Inc. (See Haug, John S., assignor.)
United Research Corporation. (See Carpenter, Arthur W., assignor.)
United Research Corporation. (See Law, Duff C., assignor.)
United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
United Shoe Machinery Corporation. (See Bradbury, A. W., and Hood, assignors.)
United Shoe Machinery Corporation. (See Choice, Frank C., assignor.)
United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Hoppe, Otto F., assignor.)
United Shoe Machinery Corporation. (See Keall, Frank B., assignor.)
United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)
United Shoe Machinery Corporation. (See Seely, T. H., and Ballard, assignors.)
United Shoe Machinery Corporation. (See Sheffield, C. C., and Clarke, assignors.)
United Shoe Machinery Corporation. (See Thomas, William D., assignor.)
Universal Oil Products Company. (See Day, Roland B., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Universal Oven Company. (See Elliott, Irwin, assignor.)
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Apparatus for marking dials of instruments. 2,001,335; May 14.
Utsch, Hermann. (See Weinand, K., Bamberger, and Utsch.)
Uyterhoeven, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Electric discharge apparatus. 2,001,509; May 14.
Uyterhoeven, Willem, and M. J. Druyvesteyn, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,001,511; May 14.
Uyterhoeven, Willem, and C. Verburg, Eindhoven, Netherlands, assignors to General Electric Company, New York, N. Y. Lamp unit. 2,001,510; May 14.
Vacuum Bolting Cloth Cleaner Corporation. (See Rice, Harry B., assignor.)
Van Hoefen, Harry S., St. Louis, Mo. Lettering guide. 2,001,640; May 14.
Verburg, Cornelis. (See Uyterhoeven, W., and Verburg.)
Victaulic Company Limited. (See Johnson, Percy G., assignor.)
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Skeleton metal-backed gasket. 2,001,225; May 14.
Victor Manufacturing & Gasket Company. (See Victor, John H., assignor.)
Viewegh, Heinrich, Vienna, Austria. Hot water central heating system for a plurality of consumer units with indirect measurement of the heat consumed. 2,001,226; May 14.
Villanyi, Charles M., Bayside, assignor to L. Mundet & Son, Inc., New York, N. Y. Closure. 2,001,086; May 14.
Villa, John, assignor to M. W. Bieberbach, Jr., Philadelphia, Pa. Portable electric current tap device. 2,001,671; May 14.
Visking Corporation, The. (See Hewitt, Alfred G., assignor.)
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Receptacle. 2,001,272; May 14.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and cooler. 2,001,227; May 14.
Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Packaging and handling frozen comestibles or the like. 2,001,475; May 14.
Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Package and container for ice cream and the like. 2,001,476; May 14.
Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky. Frozen comestible package. 2,001,477; May 14.
Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky. Shipping package. 2,001,478; May 14.

Vogt Processes Incorporated. (See Vogt, Clarence W., assignor.)
Von Grüber-Rehenbürg, Rudolf, and R. Stöbe, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Process and apparatus for reducing solvent losses in fabric cleaning. 2,001,656; May 14.
Von Ohlsen, Louis H., New Haven, Conn, assignor to The Safety Car Heating & Lighting Company. Electric regulation. 2,001,557; May 14.
Von Soden-Fraunhofen, A. Graf, and A. Maier, assignors to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Germany. Clutch device for motor vehicles. 2,001,292; May 14.
Von Vágó, Paul, and E. Uber, Budapest, Hungary. Said Uber assignor to said von Vágó. Hydraulic device. 2,001,336; May 14.
Wack, Henry K., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric lamp receptacle. 2,001,657; May 14.
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie G. m. b. H. (See von Grüber-Rehenbürg, R., and Stöbe, assignors.)
Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Change speed gear mechanism for motor vehicles. 2,001,082; May 14.
Walkem Corporation. (See Davis, Joseph, and D. J., assignors.)
Wallace, Oscar R., New York, N. Y. Building structure. 2,001,169; May 14.
Walter, Bertha B., executrix. (See Walter, Raymond A.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Chilling device. 2,001,083; May 14.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Heat exchange device. 2,001,084; May 14.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Heat exchange device. 2,001,085; May 14.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 2,001,512; May 14.
Walter, Felix. (See Weiberzahn, K., and Walter.)
Walter, Raymond A., New York, N. Y., deceased, B. B. Walter, executrix, assignor to Goodman Manufacturing Company, Chicago, Ill. Driving mechanism. 2,001,228; May 14.
Wanger, Jullus. (See Barth, K., Schuler, and Wanger.)
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-Ray tube holder. 2,001,604; May 14.
Ware, Mack, assignor of one-half to J. E. Robinson, Sr., Houston, Tex. Car brake. 2,001,229; May 14.
Warner Bros. Pictures, Inc. (See Gelb, Robert L., assignor.)
Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
Waters-Genter Company. (See Ireland, Murray, assignor.)
Watson, Ernest A., Birmingham, England, assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism for internal combustion engines. 2,001,479; May 14.
Watson, Richard M., Detroit, Mich. Loose leaf binder metal. 2,001,170; May 14.
Wayne, Herbert N., Santa Monica, Calif. Drain pipe cleaning device. 2,001,230; May 14.
Weiberzahn, Karl, and F. Walter, Knapsack near Cologne-on-the-Rhine, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany. Preparing acetic acid from acetaldehyde. 2,001,171; May 14.
Weigner, Otto, Vienna, and W. Senft, Weiz, Styria, assignors to "Elin" Aktiengesellschaft für Electrische Industrie, Vienna, Austria. Apparatus for automatic electric arc welding. 2,001,231; May 14.
Weinand, Klaus, Leverkusen-I. G. Werk, C. Bamberger, Cologne-Mulheim, and H. Utsch, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitrogen containing anthranquinone derivatives. 2,001,044; May 14.
Weise, Erwin. (See Meyer, W., and Weise.)
Weiss, Abraham, assignor to E. Weiss, New York, N. Y. Registering means for taximeters. 2,001,373; May 14.
Weiss, Edward. (See Weiss, Abraham, assignor.)
Weiss, Sidney, Brooklyn, N. Y. Egg packaging device. 2,001,045; May 14.
Weitzel, Paul R., Newtown, Pa. Floor board. 2,001,402; May 14.
Welch, Ralph J., et al. (See Bagley, William H., Jr., assignor.)
Welch, William E., Dayton, Ohio, assignor to B. J. Baker & Company, Inc., Boston, Mass., and International Proprietaries Incorporated, Dayton, Ohio. Medicinal preparation. 2,001,046; May 14.
Welding Service, Inc. (See Frickey, Royal E., assignor.)
West, Ethra C., Rochester, N. Y. Traffic signaling system. 2,001,440; May 14.
West, Frank W., Bellefonte, Pa. Meat tenderer. 2,001,641; May 14.
Western Cartridge Company. (See Olsen, F., Seavey, and Kerone, assignors.)
Western Cartridge Company. (See Seavey, F. R., and Kerone, assignors.)
Western Electric Company. (See Deakin, Gerald, assignor.)
Western Electric Company. (See Osawa, Juichi, assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert L.)
Wheeler, Oscar J., Jersey City, N. J. Temporarily plugging condenser leaks. 2,001,558; May 14.
Whitaker, Alfred, West Drayton, and C. O. Browne, London, assignors to Electric and Musical Industries Limited, Middlesex, England. Recording sound. 2,001,005; May 14.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Die or anchor for tack buttons. 2,001,355; May 14.
White Motor Company, The. (See Spiller, William R., assignor.)
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitin Machine Works. (See Moss, Joseph, assignor.)
Whitley, Walter R., Methuen, Mass. Manifolding sheet. 2,001,642; May 14.
Whitney, Leslie D., Palo Alto, Calif. Powder dispenser. 2,001,441; May 14.
Wiedmaier, Arthur A., Detroit, Mich. Transmission operating and controlling apparatus. 2,001,337; May 14.
Wikstrom, Frank G., Brooklyn, assignor to Arkell & Smith, Canajoharie, N. Y. Machine for and method of manufacturing bag tubes. 2,001,442; May 14.
Wilcox, Hallie M., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Forming golf shafts and the like. 2,001,643; May 14.
Williams, Harry, Detroit, Mich. Automobile doorlock. 2,001,443; May 14.
Williams, John J., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Combination cap and spreader. 2,001,644; May 14.
Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Refrigerator doorlock. 2,001,403; May 14.
Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Drying para-hydroxydiphenyl. 2,001,658; May 14.
Williamson, James E., Maplewood, N. J. Control apparatus. 2,001,320; May 14.
Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Circuit breaker. 2,001,559; May 14.
Wilson, C. W. (See Schmidt, Michael, assignor.)
Wilson, Harold F., Los Angeles, Calif. Folding boat. 2,001,006; May 14.
Wilson, John A., South Pasadena, Calif. Knife. 2,001,232; May 14.
Wilson, Thomas J., Pittsburgh, Pa. Cable equalizer. 2,001,007; May 14.
Wilson, Wallace, Philadelphia, Pa. Knitted stocking foot protector. 2,001,293; May 14.
Winter, Charles L., assignor to United Autographic Register Co., Chicago, Ill. Typewriter attachment. 2,001,480; May 14.
Wintroath, John A., Los Angeles, assignor to Wintroath Pumps, Ltd., Alhambra, Calif. Submersible motor driven pump. 2,001,172; May 14.
Wintroath Pumps, Ltd. (See Wintroath, John A., assignor.)
Wiseman, John F., Dorchester, Mass. Device for spraying an antifreeze solution onto windshields. 2,001,338; May 14.
Witmer, Harold G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,001,047; May 14.
Wood, Joseph H., Chicago, Ill. Coating paper. 2,001,339; May 14.
Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of formic acid. 2,001,659; May 14.
Woodings-Verona Tool Works. (See Kruse, J. F. W., Dawson and Richardson, assignors.)
World Bestos Corporation. (See Nanfeldt, William, assignor.)
X-Ray Shoe Fitter, Inc. (See Fischer, H. G., and Osborn, assignors.)
Yancey, Elliott S., Houston, Tex. Card holder and display stand. 2,001,404; May 14.
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See von Soden-Fraunhofen, A. G. and Maier, assignors.)
Zeitz, Edwin R., New Haven, and S. W. Dennison, Branford, Conn. Reamer grinder. 2,001,173; May 14.
Ziegler, George J., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Clutch mechanism. 2,001,048; May 14.
Zimmerman, Herbert L., assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Skate wheel. 2,001,174; May 14.
Zotos, Georg, Charlottenburg, Germany. Refining oils and the like by steam treatment. 2,001,444; May 14.
Zurcher, Ernest, Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,001,513; May 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anesthetic composition. S. D. Goldberg. 19,569; May 14.

Garments, Manufacturing. F. A. Schmidt and H. H. Kramer. 19,571; May 14.

Petroleum hydrocarbons, Treating. R. Cross. 19,568; May 14.

Wells, Method and apparatus for cementing. E. P. Halliburton. 19,570; May 14.

LIST OF DESIGN INVENTIONS

Airplane. I. I. Sikorsky. 95,619; May 14.
Bottle. G. M. Brenner. 95,576; May 14.
Bottle. E. T. Kessler. 95,589; May 14.
Bottle. S. Kessler. 95,590; May 14.
Bottle. F. N. Lewis. 95,596; May 14.
Bottle. F. Plunkett. 95,609; May 14.
Bottle. C. Sakier. 95,617; May 14.
Brassière, Crocheted. M. E. Blood. 95,575; May 14.
Cabinet for telephone equipment. H. Koch. 95,591; May 14.
Casing for vacuum cleaners. J. R. Morgan. 95,603-4; May 14.
Casket handle. P. L. Parsons. 95,606; May 14.
Console heater. P. Brinckerhoff. 95,577; May 14.
Dish. N. Bel Geddes. 95,573; May 14.
Dispenser for cups or the like. P. A. Lobel. 95,597; May 14.
Doll house and yard, Combined folding. E. E. Saxton. 95,618; May 14.
Game apparatus. L. M. Gibbs. 95,584; May 14.
Goblet or similar article. A. L. Kramer. 95,594; May 14.
Jar. P. Smith. 95,620; May 14.
Jar, Glass. F. J. Petty. 95,607; May 14.
Kettle. E. R. Zettler. 95,621; May 14.
Knit fabric. W. A. Neaves. 95,605; May 14.
Lamp. C. T. Andrews. 95,571; May 14.
Liner for sink strainers. H. C. Harvey. 95,586; May 14.
Mounting for a hand telephone. G. R. Lum. 95,598; May 14.
Pastry cup. U. A. Kreidler. 95,595; May 14.
Plate or article of similar nature, Glass. G. S. Dunbar. 95,579; May 14.
Plate or similar article. A. L. Kramer. 95,592; May 14.
Radioreceivers, Combined controlling and indicating device for. E. Harmon. 95,585; May 14.
Ring or the like, Finger. N. Hershau. 95,587; May 14.
Saw, Band. W. J. Merrigan. 95,601; May 14.
Saw, Bench. W. J. Merrigan. 95,600; May 14.
Saw, Jig. W. J. Merrigan. 95,602; May 14.
Shaving machine. M. Annick. 95,572; May 14.
Shoe. J. A. Galway. 95,583; May 14.
Sign or similar article, Illuminated advertising. I. Holsman. 95,588; May 14.
Spectacle temple. O. B. Carson. 95,578; May 14.
Storage battery case. O. O. Rieser. 95,610-15; May 14.
Tape measure. H. F. Ritter. 95,616; May 14.
Textile fabric. C. vE. Forstmann. 95,581; May 14.
Tray. L. Marder. 95,599; May 14.
Tumbler or similar article. A. L. Kramer. 95,593; May 14
Utensil, Grill. J. L. Bennett and S. A. Platt. 95,574; May 14.
Vending machine casing. B. W. Fry. 95,582; May 14.
Wagon, Coaster. J. B. Eck. 95,580; May 14.
Window silencer. A. P. Pfeil. 95,608; May 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulating system. C. Föhl. 2,001,304; May 14.
Acid anhydrides, Production of fatty. R. Müller and E. Rabald. 2,001,211; May 14.
Acid from acetaldehyde, Preparing acetic. K. Weibezahn and F. Walter. 2,001,171; May 14.
Acid or oleum, Making concentrated sulphuric. I. Hechenbleikner. 2,001,359; May 14.
Acid, Preparation of formic. J. C. Woodhouse. 2,001,659; May 14.
Acid, Preparation of phthalic. L. C. Daniels and A. O. Jaeger. 2,001,053; May 14.
Acoustic device. A. L. Thuras. 2,001,081; May 14.
Actuator for fire protection systems. H. E. Heigis. 2,001,680; May 14.
Adjustable cravat holder. B. B. Manaster. 2,001,261; May 14.
Aeroplane. G. A. Shamberger. 2,001,400; May 14.
Aeroplane sign. B. Knapp. 2,001,200; May 14.
Aeroplane wings, Construction and arrangement of. J. Martin. 2,001,260; May 14.
Air conditioner. C. P. Kelly. 2,001,309; May 14.
Air conditioning apparatus. C. B. Cook. 2,001,410; May 14.
Aircraft, Rotary-winged. J. S. Pecker. 2,000,904; May 14.
Air deflector and water circulator. A. W. Ravening. 2,001,398; May 14.
Air motor. De Nagy. 2,000,930; May 14.
Alarm switch. R. M. Hopkins. 2,001,137; May 14.
Alcohol and preparing the same, Sulphonated naphthenic. W. Schrauth. 2,000,994; May 14.
Alloy, Stable chromium-nickel-iron. V. B. Browne. 2,001,123; May 14.
Alloys, Production of iron-chromium. A. L. Feild. 2,001,015-16; May 14.
Alumina hydrate, Manufacture of. A. Fleischer. 2,00,939; May 14.
Alumina hydrate, Manufacture of. A. Fleischer. 2,000,939; May 14.
Aluminum articles, Coloring. J. F. Leahy. 2,001,427; May 14.
Angle indicator. T. C. Burrows. 2,001,654; May 14.
Aniline from chlorobenzene and ammonia, Manufacture of. W. Prahl and W. Mathes. 2,001,284; May 14.
Anthraquinone derivatives, Nitrogen containing. K. Weinand, C. Bamberger, and H. Utsch. 2,001,044; May 14.
Antipiston slap means. H. P. Phillips. 2,001,544; May 14.
Arch support. A. Kushinsky. 2,001,203; May 14.
Articles of plastic material, Method and mechanism for forming. I. Elliott. 2,001,243; May 14.
Automobile doorlock. H. Williams. 2,001,443; May 14.
Automobile top. J. E. Tamés. 2,001,224; May 14.
Axle and wheel aligner. M. Schmidt. 2,000,993; May 14.
Bag: *See*—
Garment bag. Hand bag.
Bag and making same. R. N. Cundall and W. B. Powell. 2,000,928; May 14.
Bags, Manufacture of. T. M. Royal. 2,000,989; May 14.
Bait clip. A. E. Hopkins. 2,000,954; May 14.
Bait, Fish. W. J. DeWitt. 2,001,055; May 14.
Bait or minnow box. E. E. Moutoux. 2,001,468; May 14.
Basket. W. H. Grinfin. 2,001,571; May 14.
Battery separator. C. F. Haunz. 2,001,421; May 14.
Beaches, Method of and apparatus for cleaning, sterilizing, and smoothing. F. B. Hunter. 2,000,956; May 14.
Beam hanger. W. J. Gourley and F. H. Barney. 2,001,247; May 14.
Bearing: *See*—
Needle bearing. Self-aligning bearing.
Bee feeder. A. C. Kehrle. 2,001,463; May 14.
Beer dispensing equipment. D. Sweeney. 2,001,040; May 14.
Beer wort, Apparatus for aerating. K. Barth, K. Schuler, and J. Wanger. 2,001,564; May 14.
Belt or the like, Safety. E. V. Myers. 2,000,980; May 14.
Belt, Pneumatic life. J. D. Garvey. 2,001,384; May 14.
Belt treatment. L. R. Parker. 2,001,582; May 14.
Belt, Wire. F. M. Gore. 2,001,677; May 14.
Beverage product. K. W. Slissmuth. 2,001,554; May 14.
Blade supporting means for road scrapers. F. E. Arndt. 2,001,648; May 14.
Blowtorch, Dental. E. J. Franwick. 2,001,665; May 14.
Blower, Centrifugal. T. Chester. 2,001,522; May 14.
Board: *See*—
Floor board.
Boat, Folding. H. F. Wilson. 2,001,006; May 14.
Boat, Miniature or toy. F. L. Lindstrom. 2,001,365; May 14.
Bobbin. W. E. Kiefer. 2,001,569; May 14.
Bobbin supporting device. R. G. Lackey. 2,001,667; May 14.
Boiler feed system, Water lock. W. D. Nore. 2,000,431; May 14.
Book holder. W. V. Johnson. 2,001,139; May 14.
Bookmark. J. N. Bane. 2,001,650; May 14.
Bottle closure. F. J. Kaps. 2,001,426; May 14.
Bottling, Method and apparatus for. E. L. Moberg. 2,001,209; May 14.
Bow, Archer's. Y. J. Nyvall. 2,001,470; May 14.
Box: *See*—
Bait or minnow box. Fiber board box.
Brake: *See*—
Car brake. Hydraulic brake.
Brake. P. Pepper. 2,001,830; May 14.
Brakelining and impregnating compound for same, Treating. O. T. Hodnefield. 2,001,194; May 14.
Brake lining with metallic lubrication. W. Nanfeldt. 2,001,539; May 14.
Braking apparatus. A. Cohen. 2,001,599; May 14.
Braking mechanism. F. A. Jimerson. 2,000,959; May 14.
Brassière back connections for evening attire. H. Schottenfels. 2,001,505; May 14.
Bubbler and glass filler, Combination. J. M. Clarke. 2,001,341; May 14.
Buckle. A. Laurain. 2,001,618; May 14.
Buckle. F. E. Stahl. 2,001,072; May 14.
Buckle, Bracelet. J. Sand. 2,001,216; May 14.
Buffer, Traffic. A. W. Mead. 2,000,974; May 14.
Building construction. F. H. Alcott. 2,000,897; May 14.
Building construction. T. J. Foster. 2,001,605; May 14.
Building construction, System of. J. B. Strauss. 2,001,162; May 14.
Building structure. O. R. Wallace. 2,001,169; May 14.
Bulk dispensing device. W. Rabkin. 2,001,110; May 14.
Bumper mechanism. P. N. Cherpes and C. E. Kollias. 2,001,093; May 14.
Burner: *See*—
Trash burner.
Burner for gas heated radiators. W. T. Rasch. 2,001,397; May 14.
Burner for liquid fuel. V. Ipold. 2,001,611; May 14.
Bzl, bzl'-dibenzanthronyl, Manufacture of. E. T. Howell. 2,001,063; May 14.
Cabinet, Kitchen. C. B. Parsons. 2,000,981; May 14.
Cable, G. J. Stanley. 2,001,319; May 14.
Cable equalizer. T. J. Wilson. 2,001,007; May 14.
Cables, Manufacture of electric. M. Klein. 2,001,065; May 14.
Calcium sulphates, Manufacture of. O. P. Gephart. 2,001,245; May 14.
Calk for horseshoes, Resilient. C. G. Akerburg. 2,001,118; May 14.
Camera. A. W. Caps and P. Landrock. 2,001,596-7; May 14.
Camera, Submarine. F. W. Jackman. 2,001,682-3; May 14.
Can dump for ice machines. W. H. Aubrey. 2,001,008; May 14.
Cap and spreader, Combination. J. J. Williams. 2,001,644; May 14.
Car brake. M. Ware. 2,001,229; May 14.
Car, Mine. D. U. Rich. 2,001,692; May 14.
Car with trailer for camping, Motor. A. M. L. Levoyer. 2,001,639; May 14.
Card dealing device. R. C. Smith. 2,001,220; May 14.
Card holder and display stand. E. S. Yancey. 2,001,404; May 14.
Cards, containers, and the like with raised figures, Manufacture of display. C. C. Church. 2,000,922; May 14.
Carrier for laundry assorting machines. A. F. Hanney. 2,001,386; May 14.
Case: *See*—
File case. Vanity case.
Show case.
Casting mold. F. M. Poe. 2,001,583; May 14.
Cathode for electric discharge devices. E. Römhild. 2,001,548; May 14.
Cellulose esters, Treatment of. C. Dreyfus and L. N. Lee. 2,000,934; May 14.
Cellulose unit and making same, Laminated. I. F. Laucks. 2,001,276; May 14.
Cement, Arsenic-containing. G. J. J. Smitt. 2,001,506; May 14.
Cement product, Portland. C. G. Gilbert. 2,001,608; May 14.
Cement sole-attaching machine. W. D. Thomas. 2,001,002; May 14.
Centrifugal. F. Schaum. 2,001,550; May 14.
Chain link. P. K. Dewar. 2,000,932; May 14.

Chains, Making jewelry. F. W. Bopp. 2,001,483; May 14.
Chair: *See*—
Foldable chair.
Chilling device. C. T. Walter. 2,001,083; May 14.
Chopper, Nut. C. A. Sundstrand. 2,001,075; May 14.
Chord finder for tenor banjos. R. L. Golden. 2,001,191; May 14.
Circuit breaker. G. O. Wilms. 2,001,559; May 14.
Circuit breaker. E. Zurcher. 2,001,513; May 14.
Circuit breakers, Control of. H. Bany. 2,001,563; May 14.
Circuit controlling and indicating device. B. G. Olving. 2,001,432; May 14.
Circuit, Electric valve translating. B. A. Case. 2,001,567; May 14.
Circuit, Oscillator. P. O. Farnham. 2,001,694–5; May 14.
Circuit rectifier and filter. R. Rechnitzer. 2,000,986; May 14.
Circuit, Transmitting. C. A. Boddie. 2,001,450; May 14.
Circulating pump. C. A. Ruesenberg. 2,001,369; May 14.
Clasp, Bracelet. C. A. Domler. 2,000,056; May 14.
Classifier. H. A. Cuppy. 2,001,184; May 14.
Clay products, Making cellular. H. D. Foster. 2,001,664; May 14.
Cleaner: *See*—
Gear case cleaner. Suction cleaner.
Portable suction cleaner.
Clip: *See*—
Bait clip.
Clock. N. G. Horwitt and M. Katcher. 2,001,195; May 14.
Clock, Geographical. C. B. Segovia. 2,001,633; May 14.
Closure. C. M. Villanyi. 2,001,086; May 14.
Closure fastening means. S. Quisling. 2,000,983; May 14.
Closure for dispensing containers. W. C. Nenstiehl. 2,001,627; May 14.
Closure for letters, Safety. A. Schülze. 2,001,434; May 14.
Closure guide. J. Ritter, Jr. 2,001,157; May 14.
Clutch: *See*—
Freewheeling clutch.
Clutch. W. J. Pearmain. 2,001,395; May 14.
Clutch device for motor vehicles. A. G. von Soden-Fraunhofen and A. Maier. 2,001,292; May 14.
Clutch mechanism. G. J. Ziegler. 2,001,048; May 14.
Clutching device. W. Brase. 2,001,120; May 14.
Coating composition, Liquid. H. Heckel. 2,001,422; May 14.
Coating device. F. P. Carlson. 2,001,091; May 14.
Collar protecting device. W. J. Lanyon. 2,001,617; May 14.
Collector for fuller's earth. B. Manross. 2,000,971; May 14.
Composite reaction product. C. Ellis. 2,000,937; May 14.
Compressor, Hydraulic. S. R. Seillière. 2,001,269; May 14.
Concrete pipe construction. B. J. Ukropina. 2,001,042; May 14.
Concrete pipe joint. B. J. Ukropina. 2,001,043; May 14.
Concrete pipe joint, Reinforced. B. J. Ukropina. 2,001,041; May 14.
Concrete pumping system. C. F. Ball. 2,001,661; May 14.
Condenser: *See*—
Electrical condenser. Variable condenser.
Multiple unit condenser.
Condenser leaks, Temporarily plugging. O. J. Wheeler. 2,001,558; May 14.
Condenser winding machine. J. Q. Holmes. 2,001,347; May 14.
Conduit. R. V. Proctor and C. B. Cushwa. 2,001,315; May 14.
Conduit and making the same. R. A. Shipley. 2,001,316; May 14.
Confection. R. G. Thoke. 2,001,371; May 14.
Connecter: *See*—
Thrust screw connecter
Connecter for electric conducting cables, Solderless. H. C. Guhl. 2,001,131; May 14.
Connection, Resilient. C. Lecler. 2,001,257; May 14.
Contacts, Making self-cleaning. A. Alsaker. 2,000,909; May 14.
Container: *See*—
Vacuum container.
Container. I. N. Jordan. 2,001,140; May 14.
Container. M. D. Kerr. 2,001,464; May 14.
Container for fruit and the like, Retailing. C. Monschein. 2,001,149; May 14.
Control apparatus. J. E. Williamson. 2,001,320; May 14.
Control mechanism, Automatic. H. E. Balsiger. 2,001,447; May 14.
Control mechanism, Automatic. G. P. E. Howard. 2,001,348; May 14.
Control mechanism for electric motors, Automatic. A. C. Durdin, Jr. 2,000,899; May 14.
Control mechanism for warping machines and the like. F. Klein. 2,001,064; May 14.
Control system. J. H. Payne. 2,001,543; May 14.
Cooker, Electric. W. C. Rehm. 2,001,285; May 14.
Cordage, Lubricated. W. D. Hodson. 2,000,951; May 14.
Cord material, Coating. J. V. James. 2,001,575; May 14.
Corn cutting machine. F. W. Douthitt. 2,001,457; May 14.
Corn husker. A. Nuttelman. 2,001,351; May 14.
Cotton machine. J. A. Streun. 2,001,223; May 14.
Counterbalancing device. R. R. Bloss and R. C. Pfeil. 2,001,662; May 14.
Coupler. E. P. Kinne. 2,001,197; May 14.
Coupler for jointed dolls. J. Stein. 2,001,334; May 14.
Coupler operating mechanism. W. F. Richards. 2,000,987; May 14.
Coupling. F. H. Exell. 2,001,244; May 14.
Cover and towel forming machine, Dual purpose seat. G. Schaefer, Jr. 2,001,112; May 14.
Crane and wire rack. L. E. Mosher. 2,001,034; May 14.
Crossing gate, Automatic railway. A. E. McClaren. 2,001,147; May 14.
Current tap device, Portable electric. J. Villa. 2,001,671; May 14.
Cylinder paper machine. S. V. Minskey, L. T. Foley, and H. Leopold. 2,001,208; May 14.
Cylindrical articles and method and apparatus for manufacturing the same. G. E. Landt. 2,001,031; May 14.
Defrosting system. W. R. Kitzmiller. 2,001,027–8; May 14.
Demountable wheel. W. K. Dodge. 2,001,242; May 14.
Device for spraying an antifreeze solution onto windshields. J. F. Wiseman. 2,001,338; May 14.
Dials of instruments, Apparatus for marking. A. Urfer. 2,001,335; May 14.
Die or anchor for tack buttons. F. R. White. 2,001,355; May 14.
Diesel engine. W. Lehmann. 2,000,903; May 14.
Dishwashing machine. M. J. Kehoe. 2,001,328; May 14.
Disks, Manufacturing radially corrugated. J. A. Spencer. 2,001,553; May 14.
Dispenser: *See*—
Powder dispenser.
Dispensing attachment for cans. S. M. Abbott. 2,001,481; May 14.
Display appurtenance to weighing mechanism. H. C. Turner and H. R. Stacks. 2,001,372; May 14.
Display device. R. E. Paige. 2,001,499; May 14.
Display sign. L. J. Huggett. 2,001,424; May 14.
Doorlock, Refrigerator. L. E. Williams. 2,001,403; May 14.
Doors, Actuating folding. E. G. Mathauer. 2,001,103; May 14.
Dough divider. W. G. Kirchoff. 2,001,026; May 14.
Dowel pin. R. Krnansky. 2,001,144; May 14.
Drawbar, Automatic extensible. R. N. Burton. 2,001,408; May 14.
Drier: *See*—
Line drier.
Drier. A. G. Forty. 2,001,345; May 14.
Drill boxing. L. J. Fellay. 2,001,057; May 14.
Drilling apparatus, Underwater. A. F. Johnson. 2,001,576; May 14.
Drilling machine. L. J. Fellay. 2,001,058; May 14.
Drilling machine, Rotary. W. J. Mitchell. 2,000,976; May 14.
Drive for machine tools, Hydraulic. W. Ferris. 2,001,059; May 14.
Driving mechanism. R. A. Walter. 2,001,228; May 14.
Duplex stand. G. Abitsch. 2,001,646; May 14.
Dyes and their preparation production, Azo. M. A. Dahlen. 2,001,526; May 14.
Dyes, Ortho-hydroxyazo. W. Benade. 2,001,010; May 14.
Dyestuff, Anthraquinone acridone vat. I. Gubelmann, R. J. Goodrich, and W. Dettwyler. 2,001,419; May 14.
Dyestuffs and their production, Acridone dianthrimide vat. I. Gubelmann, R. J. Goodrich, and W. Dettwyler. 2,001,418; May 14.
Edging machine. J. Fossa. 2,000,940; May 14.
Egg packaging device. S. Weiss. 2,001,045; May 14.
Electric compensator, Binaural. R. B. Colton and H. C. Mabbott. 2,000,924; May 14.
Electric discharge apparatus. W. Uyterhoeven. 2,001,509; May 14.
Electric discharge device and operating same. L. J. Buttolph. 2,001,519; May 14.
Electric discharge device, Gaseous. C. Bol. 2,001,516; May 14.
Electric discharge device, Gaseous. W. de Groot and M. H. Druyvesteyn. 2,001,528; May 14.
Electric discharge device, Gaseous. G. Gaidies. 2,001,490; May 14.
Electric discharge device, Gaseous. A. Rüttenauer and O. Fritze. 2,001,501; May 14.
Electric discharge device system. G. W. Garman. 2,000,530; May 14.
Electric discharge devices, Method of and apparatus for starting. L. J. Buttolph. 2,001,517; May 14.
Electric flasher. L. Ludwig. 2,001,580; May 14.
Electric lamp, Portable. J. W. Akers. 2,001,406; May 14.
Electric motor, Submergible. A. Arutunoff. 2,001,649; May 14.
Electric regulation. L. H. von Ohlsen. 2,001,557; May 14.
Electric starting motor. J. Bohli. 2,001,178; May 14.
Electric translating device. W. Meyer and E. Welse. 2,001,498; May 14.
Electrical condenser. P. J. Packman. 2,001,153; May 14.
Electrical contact for articulated vehicles. A. W. Mollnare. 2,001,393; May 14.
Electrical device. A. Nyman. 2,001,282; May 14.
Electrical distribution, System of. H. Hintze. 2,001,532; May 14.
Electrical disturbances, Reducing. D. G. McCan. 2,001,622; May 14.
Electrical resistance unit. C. H. Boyles. 2,001,297; May 14.

Electrical switch. J. S. Thompson. 2,001,080; May 14.
Electron discharge device. C. E. Fay. 2,000,938; May 14.
Electron discharge device. A. L. Samuel. 2,000,990; May 14.
Elevator safety apparatus. F. Hymans. 2,001,361; May 14.
Elevator signaling system. R. H. Gaylord. 2,000,942; May 14.
Engine: *See*—
Diesel engine. Reciprocating engine.
Internal combustion engine.
Engine control for hoists, Automatic gas. E. Erickson. 2,001,674; May 14.
Engine support for automobiles. F. and E. L. Kulick. 2,001,629; May 14.
Envelope. J. W. Bear and R. R. Sublette. 2,001,340; May 14.
Envelope. Combined mailing and return. H. Elbaum. 2,001,489; May 14.
Envelope stuffing machine. H. C. Baker. 2,001,009; May 14.
Equalizing attachment for trucks. I. E. Blair. 2,000,914; May 14.
Escutcheon plate and handle assembly. H. F. Keil. 2,001,666; May 14.
Ether of hydroabietyl alcohol. C. O. Kenke and M. A. Prahl. 2,001,275; May 14.
Ethers of cellulose, Production of arakyl. E. J. Lorand. 2,001,102; May 14.
Evaporator for refrigerating systems. D. F. Newman. 2,001,540; May 14.
Excavating and conveying machine. H. E. Satre. 2,001,503; May 14.
Excavating, hoisting, dumping, and conveying apparatus. H. E. Satre. 2,001,502; May 14.
Expansion joint, Fluid sealing. F. L. Haushalter. 2,001,573; May 14.
Exterminator, Insect. W. F. Folmer and H. L. Chapin. 2,001,414; May 14.
Extractor: *See*—
Vacuum extractor.
Eyebrow, Artificial. A. Steiner. 2,001,589; May 14.
Fabric: *See*—
Semiabrasive fabric.
Fabrics, Apparatus for coating. A. W. Drobile. 2,001,488; May 14.
Fastener-applying implement. A. H. Maynard. 2,001,104; May 14.
Fasteners, Method and machine for making. G. Sundback. 2,001,591; May 14.
Fastening device. P. Sidney. 2,001,401; May 14.
Feeder: *See*—
Bee feeder. Toothbrush paste feeder.
Feeding device. F. C. Haren and J. P. Sapp. 2,001,572; May 14.
Fiber board box, Reenforced. K. W. Petersen. 2,000,982; May 14.
Fibrous material, Treatment of artificial. L. Lilienfeld. 2,001,621; May 14.
Filaments, yarns or threads, Production artificial. W. I. Taylor and L. B. Gibbins. 2,001,000; May 14.
File case, Transfer. H. J. Anglin. 2,001,561; May 14.
Film handling device, Multiple. B. Burns and H. B. Lewis. 2,001,322; May 14.
Film material, Making transparent. E. M. Kratz. 2,001,389; May 14.
Film printing machine, Stereoscopic moving picture. K. F. Marx. 2,001,280; May 14.
Filter. C. W. Hansell. 2,001,387; May 14.
Finding for a clasp. C. Pearson. 2,001,213; May 14.
Finishing machine. F. B. Krall. 2,000,961; May 14.
Firearm. C. C. Loomis. 2,001,278 9; May 14.
Fire extinguisher. C. A. Norgren. 2,001,394; May 14.
Fish line float. C. J. Petrie. 2,001,109; May 14.
Fishing float. G. De Vries. 2,001,241; May 14.
Fishing reel. E. C. Catley. 2,001,521; May 14.
Flashlight. C. F. Joers. 2,001,363; May 14.
Floor board. P. R. Wetzel. 2,001,402; May 14.
Floor surfacing machine. W. E. Holt. 2,001,098–9; May 14.
Flow indicator. C. A. Turner. 2,001,168; May 14.
Fluid driven motor, Rotary. G. Plato. 2,000,984; May 14.
Fluid, Method of and apparatus for ascertaining the proportional value of a combustible constituent of a flowing. E. X. Schmidt. 2,001,114; May 14.
Fluid pressure indicator. C. Older. 2,001,368; May 14.
Fluid pressure regulator. R. C. Hughes. 2,001,534; May 14.
Fluids, Apparatus for dispensing inflammable. C. M. Hamblin. 2,000,946; May 14.
Flying machine. R. W. Sears, 2d, and J. F. Koca. 2,001,158; May 14.
Foldable chair. C. E. Johnson. 2,001,252; May 14.
Foodstuffs, Preserving. F. Nierinck. 2,001,628; May 14.
Foot arch support. J. Heller. 2,000,949; May 14.
Foot X-ray machine. H. G. Fischer and H. H. Osborn. 2,001,188; May 14.
Force of gravity, Apparatus for determining the. H. C. Hayes. 2,000,948; May 14.
Freewheeling clutch. A. Maier. 2,001,668; May 14.
Fruit jar lifter. R. J. Hays. 2,001,346; May 14.
Fuller's earth, Revivifying. B. Manross. 2,000,973; May 14.
Furniture, Knockdown. V. F. Rinke. 2,000,915; May 14.
Furniture pad. A. C. Korte. 2,000,902; May 14.
Game. B. E. Mittelman. 2,001,366; May 14.
Game apparatus. H. McKeever. 2,001,330; May 14.
Game device. C. J. Rothen. 2,001,500; May 14.
Garment. E. Donaldson. 2,000,898; May 14.
Garment. C. D. Perillat. 2,001,283; May 14.
Garment bag. W. M. Moore. 2,001,624; May 14.
Garment or ironing press. E. Davis. 2,001,128; May 14.
Garter. J. C. Day. 2,001,240; May 14.
Gas cartridge firing device. S. M. Abbott. 2,001,405; May 14.
Gas mixer. S. P. Jones. 2,000,901; May 14.
Gas or vapor, Method of and apparatus for conditioning. C. E. Lucke. 2,001,259; May 14.
Gas tank. J. J. Hildenbrand. 2,001,610; May 14.
Gases, Transfer of liquefied. W. Salnikoff. 2,001,353; May 14.
Gaseous electric discharge device, Method and apparatus for starting and operating a. L. J. Buttolph. 2,001,518; May 14.
Gaseous mixtures, Separation of constituents of. J. L. Schlitt. 2,000,992; May 14.
Gasket, Skeleton metal-backed. J. H. Victor. 2,001,225; May 14.
Gate: *See*—
Crossing gate.
Gate valve. F. Cuttle. 2,001,094; May 14.
Gate valve. W. G. E. Smith. 2,001,271; May 14.
Gear case cleaner, Portable. J. K. Delano. 2,001,302; May 14.
Gear cutters, Method of and machine for relieving. A. C. Heard. 2,001,021; May 14.
Gear for aeroplanes, Retractable landing. R. L. Lévy. 2,001,620; May 14.
Gear mechanism for motor vehicles, Change speed. M. Wagner. 2,001,082; May 14.
Gel and method of producing, Nitrocellulose. F. K. Shankweiler and W. E. Gloor. 2,001,070; May 14.
Generator: *See*—
Steam generator.
Generator regulating device. B. M. Leece and D. S. Cole. 2,001,579; May 14.
Geological strata, Making dip determinations of. E. V. McCollum and G. C. McGhee. 2,001,429; May 14.
Golf club. W. L. Dyce. 2,001,342; May 14.
Golf shafts and the like, Forming. H. M. Wilcox. 2,001,643; May 14.
Goods of rubber or similar material, Method of and apparatus for the production of. W. G. Gorham and G. W. Trobridge. 2,001,305; May 14.
Granules, Manufacture of artificially colored. M. R. Beasley. 2,001,448; May 14.
Grease gun, Nonsticking pneumatic hammer. C. W. Ginter. 2,001,190; May 14.
Grille, Adjustable. J. P. Burcham. 2,001,181; May 14.
Grinder, Reamer. E. R. Zeitz and S. W. Dennison. 2,001,173; May 14.
Grinding device. E. F. Lawhorn and S. R. Brenaman. 2,001,497; May 14.
Guard, Hook. J. H. Bird. 2,001,652; May 14.
Gum, Manufacture of chewing. A. Falk. 2,001,412; May 14.
Gun, Gas. G. P. McManamna and K. F. J. Kirsten. 2,001,207; May 14.
Gun, Rubber band. A. S. Ross. 2,001,267; May 14.
Gyroscopic indicator for use with air and other craft. G. H. Reid. 2,001,038; May 14.
Hair thinning device. E. C. Matthes. 2,001,206; May 14.
Hair waving apparatus. E. R. Boals. 2,001,238; May 14.
Hammer, Power. C. V. Adams. 2,000,908; May 14.
Hand bag. W. C. Hiering. 2,001,307; May 14.
Hanger: *See*—
Beam hanger.
Hardness tester. R. E. Frickey. 2,001,097; May 14.
Harrow. E. L. Lancaster. 2,001,254; May 14.
Harvester. F. T. Court. 2,001,078; May 14.
Harvester. F. A. Thomann. 2,001,077; May 14.
Harvester, Cotton. F. T. Court. 2,001,079; May 14.
Headlight, Automobile. J. E. Cornwall. 2,001,378; May 14.
Headlight proving appliance. L. R. Harmon. 2,001,135; May 14.
Headrest for motor vehicles. H. E. Pumphrey. 2,001,396; May 14.
Heat exchange device. C. T. Walter. 2,001,084–5; May 14.
Heat exchanger. C. Dornier. 2,001,186; May 14.
Heater: *See*—
Portable heater. Water heater.
Heater. C. T. Carlson. 2,001,663; May 14.
Heating and circulating system for sulphite digesters, Indirect. H. W. How. 2,001,022; May 14.
Heating apparatus. C. I. Hall. 2,000,531; May 14.
Heating device. H. N. Shaw. 2,001,219; May 14.
Heating means for automotive vehicles, Fuel charge. C. Laugler. 2,001,466; May 14.
Heating system for a plurality of consumer units with indirect measurement of the heat consumed, Hot water central. H. Viewegh. 2,001,226; May 14.
Heating tool. O. B. Mueller, C. A. Hill, J. W. Tiebking, and G. R. Jones. 2,001,538; May 14.
Heel breasting machine. T. H. Seely and M. H. Ballard. 2,000,996; May 14.
Helical spring. J. W. Rockefeller, Jr. 2,000,905; May 14.

Hinge. F. G. Bates. 2,001,356; May 14.
Holder: *See*—
Adjustable cravat holder. Sleeve holder.
Book holder. Spool holder.
Match holder. X-ray tube holder.
Holster, Revolver. J. E. Berns. 2,001,321; May 14.
Hone. J. M. Stivers. 2,001,073; May 14.
Hormones in secretions of the human or animal body, Concentration of. H. Langecker. 2,001,255; May 14.
Horn. D. G. Blattner. 2,001,089; May 14.
Hydraulic brake. C. A. Roeder. 2,001,585; May 14.
Hydraulic device. P. v. Vágó and E. Uher. 2,001,336; May 14.
Hydrocarbons, Coking. H. L. Pelzer. 2,001,214; May 14.
Hydrocarbons, Treating. C. P. Dubbs. 2,001,187; May 14.
Hydroxy diphenyl intermediates. W. G. Christiansen and S. E. Harris. 2,001,523; May 14.
Hygroscopic material and preparing the same. A. J. Loeplinger and W. M. Trafton. 2,001,066; May 14.
Impact testing machine and method. J. H. Abramson. 2,001,057; May 14.
Implement for driving staples, fasteners, and the like. J. F. Cavanagh. 2,001,092; May 14.
Impurities from gasoline, Eliminating. R. B. Day. 2,001,185; May 14.
Index card. F. Hiller. 2,001,462; May 14.
Indicator: *See*—
Angle indicator. Fluid pressure indicator.
Flow indicator.
Inductances, Capacities, and resistances, Device for unifying. J. J. Aurynger. 2,001,235; May 14.
Induction system for internal combustion engines. A. Swan and W. Helmore. 2,001,164; May 14.
Insulation against losses of heat and cold. O. Schlichting. 2,001,632; May 14.
Intake system for multicylinder internal combustion engines. W. S. Smith. 2,001,670; May 24.
Intelligence, Device for transmitting. G. A. Cooke. 2,001,124; May 14.
Internal combustion engine. T. V. Dillström. 2,001,456; May 14.
Internal combustion engine. C. O. Guernsey. 2,001,358; May 14.
Internal combustion engine. H. W. Houston. 2,001,533; May 14.
Internal combustion engine. F. Lang. 2,001,535–6; May 14.
Interpolating device. A. P. Berejkoff. 2,001,565; May 14.
Irradiation of milk with ultraviolet rays, Device for the. H. A. Trebler. 2,001,555; May 14.
Jack: *See*—
Vehicle jack. Window jack.
Jack for semitrailers. D. H. Davis. 2,001,411; May 14.
Jacket construction for engines, Water. M. S. Parkhill and C. W. Taylor. 2,000,979; May 14.
Joint: *See*—
Concrete pipe joint. Expansion joint.
Joint and making the same, Pipe. J. A. Long and H. E. Fiant. 2,001,204; May 14.
Joint, Forming a fluid-tight. R. Thomson. 2,001,290; May 14.
Journal box lubricator. T. Cardwell. 2,001,182; May 14.
Key, Lock. L. E. Dentsch. 2,001,601; May 14.
Kiln and cooler, Rotary. P. T. Lindhard. 2,001,258; May 14.
Kiln and cooler, Rotary. M. Vogel-Jorgensen. 2,001,227; May 14.
Kiln, Reversible circulation internal fan. R. Thelen. 2,001,001; May 14.
Knife. J. A. Wilson. 2,001,232; May 14.
Lamp: *See*—
Electric lamp.
Lamp. H. J. Bauer. 2,001,472; May 14.
Lamp. C. B. Kurtz. 2,001,030; May 14.
Lamp device, Gaseous electric discharge. R. Schmidt. 2,001,504; May 14.
Lamp device, Gaseous electric discharge. W. Uyterhoeven and M. J. Druyvesteyn. 2,001,511; May 14.
Lamp receptacle, Electric. H. K. Wack. 2,001,657; May 14.
Lamp unit. H. Krefft. 2,001,495; May 14.
Lamp unit. W. Uyterhoeven and C. Verburg. 2,001,510; May 14.
Lap. A. J. Brickner. 2,001,122; May 14.
Latch for automatic dumping vehicles. H. W. Sanford. 2,001,471; May 14.
Latch mechanism. J. W. Stribling. 2,001,507; May 14.
Latching means for lockers and the like. S. N. Hope. 2,001,493; May 14.
Leer loader. J. W. Ross. 2,001,332; May 14.
Lettering guide. H. S. Van Hoefen. 2,001,640; May 14.
Lever lock. W. R. Freeman. 2,001,415; May 14.
Leverage changing mechanism for motor vehicle brakes. E. C. Johnson. 2,001,327; May 14.
Lifesaving outfit, Submarine. R. H. Davis. 2,001,673; May 14.
Lifter: *See*—
Fruit jar lifter. Stove cover lifter.
Light: *See*—
Flash light. Votive light.
Safety turn stop light.
Light modifying device. E. W. Quinlan and A. R. Quinlan. 2,000,985; May 14.
Light-sensitive cell. A. W. Carpenter. 2,001,672; May 14.
Line drier. A. S. Fenton. 2,001,570; May 14.
Link, Emergency. H. Gerstein. 2,001,606; May 14.
Load handling apparatus. H. O. Kittleson. 2,001,253; May 14.
Lock: *See*—
Lever lock.
Lock. E. W. North. 2,001,262; May 14.
Lock for looms, Heddle bar. G. F. Bahan. 2,001,236; May 14.
Lock mechanism. A. G. Lyons and W. S. Diehl. 2,001,329; May 14.
Lock sealing means. F. T. Smith and C. B. Polhemus. 2,001,354; May 14.
Locking device for nuts, screws, bolts, and the like. H. C. Abell. 2,001,645; May 14.
Loom: *See*—
Weft replenishing loom.
Loom shuttle structure. W. E. Lundgren. 2,000,967; May 14.
Loom structure, Weft replenishing. W. E. Lundgren. 2,000,969; May 14.
Looms, Beating-up line position indicator for. C. H. Gibbs. 2,001,061; May 14.
Looms, Parting means for. E. C. Nichols. 2,001,310; May 14.
Lubricating device. J. L. Creveling. 2,001,568; May 14.
Lubrication of machinery. J. Bijur. 2,000,913; May 14.
Lubricator: *See*—
Journal box lubricator.
Machine for and method of manufacturing bag tubes. F. G. Wikstrom. 2,001,442; May 14.
Machine for covering electrical wires or tapes. G. Fourtier. 2,001,546; May 14.
Machine for daring glass articles. H. R. Schutz. 2,001,436; May 14.
Machine for handling strip material. G. Schaefer, Jr. 2,001,113; May 14.
Machine for making shingles. J. A. Scharwath. 2,001,399; May 14.
Machine for manufacture of pipes. L. Billé. 2,001,237; May 14.
Machine for shaping shoe uppers. A. Bates. 2,000,912; May 14.
Manifold. W. S. Smith. 2,001,669; May 14.
Manifolding sheet. W. R. Whitley. 2,001,642; May 14.
Marking machine. F. C. Choice. 2,000,921; May 14.
Marking, Process of and apparatus for. F. Hendey. 2,001,491; May 14.
Match holder. R. S. Pullen. 2,001,264; May 14.
Materials, Process and mechanism for separating intermixed divided. R. Peale, Jr. 2,001,331; May 14.
Materials, Reacting semifluid. P. Hooker, T. L. B. Lyster, and J. D. Rue. 2,000,953; May 14.
Measuring and delivering apparatus. A. C. Jamieson. 2,001,025; May 14.
Meat grinding machines, Attachment for. D. Cohen. 2,001,524; May 14.
Meat tenderer. F. W. West. 2,001,641; May 14.
Medicinal preparation. W. E. Welch. 2,001,046; May 14.
Messages, Conveying. A. M. Fisher. 2,000,018; May 14.
Metal article. O. Feussner and A. Jedele. 2,001,017; May 14.
Metal cutting machine. J. L. Anderson. 2,001,294; May 14.
Metal, Loose leaf binder. R. R. Watson. 2,001,170; May 14.
Meter box with cut-out control and fuse drawer for electric meters, Tamperproof. F. A. Bruno. 2,001,051; May 14.
Mill feeding apparatus, Rolling. H. H. Talbot. 2,001,637; May 14.
Mixer: *See*—
Gas mixer.
Mixing device and the like. D. C. Prince. 2,001,036; May 14.
Mold: *See*—
Casting mold.
Monoolefines, Polymerizing. S. Lenher. 2,000,964; May 14.
Morpholines and making the same, Substituted. M. C. Reed. 2,001,584; May 14.
Motor: *See*—
Air motor. Self starting synchronous motor.
Electric motor. Synchronous motor.
Electric starting motor.
Fluid driven motor.
Motor driven pump, Submersible. J. A. Wintronth. 2,001,172; May 14.
Motor support for air circulators and heaters. E. Newnham. 2,001,151; May 14.
Mounting, Motor. W. H. Bagley, Jr. 2,001,562; May 14.
Mounting, Motor. W. R. Griswold. 2,001,020; May 14.
Mounting, Motor. O. E. Rhodes and F. L. Rockwell. 2,001,111; May 14.
Multiple unit gang condenser. S. Cohen. 2,001,600; May 14.
Music, Apparatus for the production of. B. F. Miessner. 2,001,301; May 14.
Music, Method and apparatus for the production of. B. F. Miessner. 2,001,392; May 14.
Needle bearing, Closed removable. G. Eisgruber. 2,001,675; May 14.
Needle, Surgical. G. E. Tornsjo. 2,001,638; May 14.
Nickel from nickel salt solutions, Electrolytic deposition of. A. M. Grönningsæter. 2,001,585; May 14.

Oil conversion, Hydrocarbon. E. F. Nelson. 2,001,150; May 14.
Oil, Stabilized hydrocarbon. C. K. Parker. 2,001,108; May 14.
Oil, Treatment of hydrocarbon. J. D. Seguy. 2,001,159; May 14.
Oils and the like by steam treatment, Refining. G. Zotos. 2,001,444; May 14.
Oils, Converting hydrocarbon. L. de Florez. 2,001,301; May 14.
Oils, Cracking hydrocarbon. H. L. Pelzer. 2,001,313–14; May 24.
Oils, Process and apparatus for the treatment of heavy. A. Joseph. 2,000,960; May 14.
1,4-diamino-2-aryloxyanthraquinone-3-sulphonic acid, Production of. B. Stein and F. Baumann. 2,001,221; May 14.
Opener, Automatic garage door. J. Frezzolini. 2,001,416; May 14.
Opener, Can. P. H. Farrell. 2,001,303; May 14.
Opener, Can or jar. F. K. Krag. 2,000,962; May 14.
Ores with sulphuric acid, Treating. N. C. Christensen. 2,001,409; May 14.
Ortho-dihydroxy compounds of the benzene series, Preparing. F. B. Downing, R. G. Clarkson, and H. H. Reynolds. 2,001,014; May 14.
Oscillation generation. C. W. Hansell. 2,001,132; May 14.
Oscillator, High frequency. C. W. Hansell. 2,001,133; May 14.
Oscillator, Vacuum tube. P. O. Farnham. 2,001,413; May 14.
Outsole removing machine. A. A. Lawson. 2,000,963; May 14.
Package and container for ice cream and the like. C. W. Vogt. 2,001,476; May 14.
Package, Shipping. C. W. Vogt. 2,001,478; May 14.
Packages, Frozen comestible. C. W. Vogt. 2,001,477; May 14.
Packaging and handling frozen comestibles or the like. C. W. Vogt. 2,001,475; May 14.
Packaging machine. R. T. Adams, R. S. Poole, and M. Raymer. 2,001,175; May 14.
Packing for pipe joints. P. G. Johnson. 2,001,614; May 14.
Packing plate with screen lining and manufacturing same. K. Klinger. 2,001,616; May 14.
Pad: *See*—
Furniture pad.
Pan for combustible gas generators, Jointed ash. J. S. Haug. 2,001,274; May 14.
Paper and method of preparing, Gummed. G. R. Alden. 2,001,049; May 14.
Paper, Coating. J. H. Wood. 2,001,339; May 14.
Paper, Creped. C. M. Howell and J. d'A. Clark. 2,001,023; May 14.
Paper, Manufacture of. O. P. Gephart. 2,001,246; May 14.
Para hydroxydiphenyl, Drying. W. H. Williams. 2,001,658; May 14.
Partition, Metal. L. G. Jacobson. 2,001,574; May 14.
Pavement, Resurfacing concrete. W. H. Moseley. 2,000,977; May 14.
Pen and filler, Fountain. G. H. Osterhout. 2,001,263; May 14.
Pen filling device, Self filling fountain. H. C. Hitt. 2,000,950; May 14.
Perambulator. M. Fehre. 2,001,343; May 14.
Percolator construction. J. E. Smith. 2,001,160; May 14.
Perforating device. H. D. Snyder and E. Kern. 2,001,161; May 14.
Petroleum product. D. R. Stevens and W. A. Gruse. 2,001,634; May 14.
Phase modulating system. J. Osawa. 2,001,107; May 14.
Phenols of tars and similar mixtures, Extracting the. R. M. Jarry. 2,001,613; May 14.
Photographic copy conveyer. A. W. Caps and P. Landrock. 2,001,598; May 14.
Photographic enlarger. A. Grant. 2,001,062; May 14.
Phototube. D. C. Law. 2,001,685; May 14.
Picker. J. Moss. 2,001,687; May 14.
Pictures, Producing cinematographic three- and multicolor. G. Heymer. 2,001,250; May 14.
Pin: *See*—
Dowel pin.
Pipe cleaning device, Drain. H. N. Wayne. 2,001,230; May 14.
Pipe for smoking. M. C. H. Jacquemin. 2,001,612; May 14.
Pipette, Gas absorption. M. P. Matuszak. 2,001,581; May 14.
Piping, welding or the like, Manufacturing. A. W. Rockwood. 2,001,693; May 14.
Piston assembly. R. C. McAllister. 2,000,970; May 14.
Piston lift for pumping of liquids. E. K. Burgher. 2,001,012; May 14.
Piston ring. H. F. Bedwell. 2,001,119; May 14.
Pitch propeller, Controllable. H. A. Fletcher. 2,001,189; May 14.
Plant support. W. F. Balousek. 2,000,911; May 14.
Planter and fertilizer distributor. M. H. Tuft. 2,001,003; May 14.
Planter, Lister. H. E. Altzelt. 2,001,560; May 14.
Plaster composition. M. Omahsky. 2,001,311; May 14.
Plaster composition and working the same. K. H. Crutchfield. 2,000,927; May 14.
Plates, Apparatus for forming. G. R. Hanb. 2,001,460; May 14.
Plating, Reverse. J. H. and H. Booton. 2,001,653; May 14.
Plug: *See*—
Safety plug.
Plunger lift apparatus. C. N. Scott. 2,001,551; May 14.
Plunger lift apparatus, Operating. N. H. Ricker. 2,001,547; May 14.
Plunger lift control device. C. N. Scott. 2,001,552; May 14.
Polishing machine, Alternating action. B. De Nagy. 2,000,931; May 14.
Pop safety valve. H. S. Baker. 2,001,375; May 14.
Portable heater. J. R. MacGregor and E. E. Edwards. 2,001,068; May 14.
Portable suction cleaner. A. A. Breuer. 2,001,121; May 14.
Postal machine, Hand operated. C. D. Ryan. 2,001,287; May 14.
Powder dispenser. L. D. Whitney. 2,001,441; May 14.
Powder, Metal. C. Hardy. 2,001,134; May 14.
Press: *See*—
Garment or ironing press.
Pressure head for oil wells. E. A. Johnson. 2,001,654; May 14.
Pressure measuring system. P. B. Flanders. 2,001,096; May 14.
Priming composition. F. Olsen, F. R. Seavey, and E. B. W. Kerone. 2,001,212; May 14.
Printing machine. J. A. Carlson. 2,001,520; May 14.
Propeller shaft. B. A. Swennes. 2,001,165–7; May 14.
Protecting device for baseball umpires. C. R. Tobin. 2,001,508; May 14.
Protective system, Undervoltage. J. W. Owens. 2,001,542; May 14.
Protective systems, Time delay undervoltage. B. W. Jones. 2,001,494; May 14.
Protector: *See*—
Stocking foot protector.
Protector for covers of loose leaf binders. F. C. Bingham. 2,001,651; May 14.
Protractor. L. G. Cox. 2,000,926; May 14.
Pulp treating process. J. D. Rue. 2,001,268; May 14.
Pump: *See*—
Circulating pump. Motor driven pump.
Pump and distributing apparatus for internal combustion engines, Fuel. C. L. Cummins. 2,001,126; May 14.
Pump operating mechanism. A. M. Matherne. 2,001,033; May 14.
Pump or engine. S. B. Brown. 2,001,011; May 14.
Puzzle. L. R. Lane. 2,001,067; May 14.
Pyridine compounds and their production. M. A. Kunz, G. Kochendoerfer, and K. Koeberle. 2,001,201; May 14.
Rack: *See*—
Crane and wire rack.
Radioreceiver and producing same, Pretuned. H. M. Lewis. 2,001,146; May 14.
Radio tuning apparatus. S. Tarzian. 2,001,076; May 14.
Range, Electric. R. John. 2,001,326; May 14.
Razor blade. P. N. Peters. 2,001,155; May 14.
Razor blade grinding machine. W. Tobias. 2,001,117; May 14.
Razor blade sharpening device. R. L. Gardner and R. D. Lloyd. 2,000,941; May 14.
Razor, Safety. C. S. Klegman. 2,001,198; May 14.
Razor, Safety. H. R. Segal. 2,001,218; May 14.
Reaming tool. C. E. Sturgis. 2,001,635; May 14.
Receiver detector control. D. Grimes. 2,000,945; May 14.
Receptacle: *See*—
Lamp receptacle.
Refrigerator article receptacle.
Receptacle. T. J. Abele. 2,001,445; May 14.
Receptacle. J. Visser. 2,001,272; May 14.
Reciprocating engine. J. H. Johnson. 2,001,577; May 14.
Reel: *See*—
Fishing reel.
Regulator: *See*—
Fluid pressure regulator.
Refrigerating apparatus. H. J. Dick. 2,001,323; May 14.
Refrigerating apparatus, Intermittent absorption. D. B. Knight. 2,001,143; May 14.
Refrigerating apparatus and method, Intermittent absorption. D. B. Knight. 2,001,142; May 14.
Refrigerating system. C. E. L. Lipman. 2,000,965; May 14.
Refrigerator. H. W. Kleist. 2,001,199; May 14.
Refrigerator and temperature control device. V. W. Moody. 2,001,105; May 14.
Refrigerator article receptacle. H. H. Gilbert and J. R. Replogle. 2,000,944; May 14.
Regulating valve. C. E. Lucke. 2,000,966; May 14.
Resinous and varnish composition and preparation thereof. R. E. Coleman. 2,001,525; May 14.
Resinous product and making same. J. V. Meigs. 2,001,430; May 14.
Revetment. J. R. Fordyce. 2,001,130; May 14.
Revivifier. B. Manross. 2,000,972; May 16.
Rig for rotary drills. W. J. Mitchell. 2,000,975; May 14.
Ring: *See*—
Piston ring.
Rings in turbine rotors, Assembling packing. F. Herrlinger. 2,001,492; May 14.

Riveting. A. L. Lambert and W. J. Meinel. 2,001,145; May 14.
Road structures, Resurfacing and widening. W. H. Moseley. 2,000,978; May 14.
Rock drill. J. C. Curtis. 2,001,127; May 14.
Rod guide, rod check and paraffin swab, Combined. G. E. Slaughenhop. 2,001,270; May 14.
Rope, Wire. W. D. Hodson. 2,000,952; May 14.
Rotor for helicopters. C. Dornier. 2,001,529; May 14.
Rubber article and making the same, Partitioned hollow. F. G. Tritt. 2,001,594; May 14.
Rubber composition and making the same. F. H. Bergeim. 2,001,176; May 14.
Rubber composition and preserving rubber. R. L. Sibley. 2,001,071; May 14.
Rubber latex of rubber articles carrying imprints, Manufacture from. J. B. Crockett. 2,001,125; May 14.
Rugs of pile fabrics, Construction of. C. H. Davison. 2,001,351; May 14.
Rugs of pile fabrics, Construction of. C. H. Davison. 2,001,527; May 14.
Sacking and weighing apparatus, Automatic. R. Jarrier. 2,000,938; May 14.
Safety device, Fusible. R. H. Moore and R. B. Allen. 2,001,636; May 14.
Safety plug. I. L. Dunn. 2,001,458; May 14.
Salts of diaso amino tetrazole, Manufacture of copper ammonium. W. Brün. 2,001,299; May 14.
Salts of keto aromatic acids. L. C. Daniels and A. O. Jaeger. 2,001,380; May 14.
Scale, Coin operated weighing. L. O. Kelley. 2,001,388; May 14.
Scale strip to a scale bar, Securing a. C. A. Fuchs. 2,001,009; May 14.
Screen corner construction. E. G. Huff. 2,001,681; May 14.
Screening apparatus. T. Sandy. 2,001,549; May 14.
Screening apparatus. L. E. Soldan. 2,000,998; May 14.
Screw cap and forming same, Double. M. A. Greene. 2,001,248; May 14.
Sealing means. H. E. Johnson. 2,001,138; May 14.
Self-aligning bearing. E. A. Freed. 2,001,383; May 14.
Self-starting synchronous motor. C. Finch. 2,001,604; May 14.
Semiabrasive fabric. D. J. Mayer. 2,001,281; May 14.
Sensitive materials, Handling. F. R. Seavey and E. B. W. Kerone. 2,000,995; May 14.
Separator: *See*—
Battery separator.
Sewing machine. A. W. Bradbury and R. E. Hood. 2,001,298; May 14.
Sewing machine, Shoe. O. F. Hoppe. 2,001,308; May 14.
Sewing machine, Shoe. C. C. Sheffield and G. Clarke. 2,001,289; May 14.
Sewing machines, Binder support for. F. A. Kucera. 2,001,446; May 14.
Sewing machines, Work supporting means for. C. A. Dearborn. 2,000,929; May 14.
Shade fixture, Window. W. H. Dollinger. 2,001,603; May 14.
Shaft connection, Universal. P. F. Sharpe. 2,000,997; May 14.
Sharpener, Drill. G. C. Pearson. 2,001,689; May 14.
Sheet delivery mechanism for printing presses. H. M. Barber. 2,001,295–6; May 14.
Sheet material, Drying of. G. A. Schettler. 2,000,991; May 14.
Shelf, Telephone. E. L. Early. 2,001,324; May 14.
Shock absorber. E. L. Kunze. 2,001,202; May 14.
Shoe marking machine. B. W. Freeman. 2,001,019; May 14.
Shoe parts, Method of and machine for performing operations upon. R. E. Duplessis. 2,000,936; May 14.
Shoes having stiffened parts, Manufacture of. S. P. Lovell. 2,001,632; May 14.
Shoes, Treating. H. Metz and R. H. Brown. 2,001,069; May 14.
Show case. J. E. Mullen. 2,001,106; May 14.
Sieve liner. H. B. Rice. 2,001,631; May 14.
Sign: *See*—
Aeroplane sign. Display sign.
Sign device, Changeable. L. C. Shaw. 2,001,115; May 14.
Sink and drainboard construction. A. Horner. 2,001,423; May 14.
Skate wheel. H. L. Zimmerman. 2,001,174; May 14.
Slack adjuster. L. R. Buckendale. 2,001,239; May 14.
Sleeve holder. A. L. Colbiornsen. 2,000,923; May 14.
Slicing machine. C. T. Walter. 2,001,512; May 14.
Smoking stand. W. J. Campbell. 2,000,920; May 14.
Socket, Electric lamp. F. W. Slady. 2,001,317; May 14.
Socket, Pull chain. F. E. Johnson. 2,001,425; May 14.
Socket with removable elements, Series. R. W. Corwin. 2,001,179; May 14.
Socket with renewable elements, Series. R. B. Benjamin. 2,001,376; May 14.
Solder, Silver. H. Turner. 2,001,639; May 14.
Solvent losses in fabric cleaning, Process and apparatus for reducing. R. von Grüber-Rehenbürg and R. Stöbe. 2,001,656; May 14.
Sound, Recording. A. Whitaker and C. O. Browne. 2,001,005; May 14.
Space discharge devices, System for energizing. B. F. Miessner. 2,001,148; May 14.
Spacer means for dual wheels. F. W. Burger. 2,001,407; May 14.
Speed of engines, Mechanism for changing and governing the. W. R. Spiller. 2,001,590; May 14.
Spillage device for bag filling machines. A. S. Chandler. 2001,485; May 14.
Spindle, Artificially mounted. H. E. Brunner. 2,001,566; May 14.
Spool holder. A. Kaplan. 2,001,100; May 14.
Spraying device. N. W. De Frees. 2,001,455; May 14.
Sprinkler, Traveling. W. A. Buckner. 2,001,180; May 14.
Spring: *See*—
Helical spring.
Stabilizer for vehicles, Automatic. M. L. Gianoli. 2,001,607; May 14.
Stake apparatus. R. L. Gelb. 2,001,678; May 14.
Stand: *See*—
Duplex stand. Smoking stand.
Stand and telephone directory secretary, Combination telephone. J. G. Hunter. 2,000,957; May 14.
Standpipe system, Fire protection. W. F. Conran. 2,001,300; May 14.
Staple, Insulated. M. Schorr. 2,001,288; May 14.
Starting mechanism for internal combustion engines, Automatic. E. A. Watson. 2,001,479; May 14.
Steam generator. M. E. Smith. 2,001,437; May 14.
Steering mechanism. E. C. Alt. 2,001,647; May 14.
Steering wheel and identification means. H. A. Husted. 2,001,349; May 14.
Stereoscopic effects, Method and apparatus for obtaining. R. P. L. Le Barbier. 2,001,256; May 14.
Stereoscopic picture. M. M. Idzal. 2,001,024; May 14.
Stethoscope. C. A. Mason. 2,001,537; May 14.
Stocking. G. Gastrich. 2,001,676; May 14.
Stocking foot protector, Knitted. W. Wilson. 2,001,293; May 14.
Stocking toe. R. B. Schindler. 2,001,370; May 14.
Stoker for furnaces. G. W. Olney. 2,001,152; May 14.
Stopper, Bottle. E. Greene. 2,001,609; May 14.
Stove, Barbecuing. L. G. Smith. 2,001,116; May 14.
Stove cover lifter, Cold handle. G. C. Reith. 2,001,286; May 14.
Stropping device. S. H. Drake. 2,000,933; May 14.
Structural unit. E. H. McClintock. 2,001,428; May 14.
Structure. F. H. Ruppel. 2,001,215; May 14.
Suction cleaner. W. F. Hudson. 2,000,955; May 14.
Suitcase, Wardrobe. J. Ritter, Jr. 2,001,156; May 14.
Superheater assembly. C. S. Turner. 2,000,907; May 14.
Superheater construction, Fluid cooled. C. S. Turner. 2,001,556; May 14.
Superheating, Method of and apparatus for. C. S. Turner. 2,000,906; May 14.
Support: *See*—
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Support for folding tables, Folding. H. Larsson. 2,001,364; May 14.
Supporter, Garment. A. D. Quasso. 2,001,629; May 14.
Supporting apparatus. W. L. Stensgaard. 2,001,222; May 14.
Supporting device. J. C. Tonko. 2,001,291; May 14.
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Electrical switch.
Switch for direction indicators. S. J. E. Asklund. 2,001,234; May 14.
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Synchronous motor. M. E. Thompson. 2,001,439; May 14.
Table for rolling mills. E. Drexler. 2,001,129; May 14.
Tag for fire extinguishers, Inspection. F. E. Haugbey. 2,001,679; May 14.
Tally roll mechanism. R. L. Muller. 2,001,367; May 14.
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Tank for steam boilers, Blow-off. P. M. Greenlaw. 2,001,249; May 14.
Tapered material, Attachment for sawing. A. Gressner. 2,001,306; May 14.
Taximeters, Registering means for. A. Weiss. 2,001,373; May 14.
Telephone signaling system. E. M. Staples. 2,001,039; May 14.
Telephone system, Two-party line. G. Deakin. 2,001,095; May 14.
Temperature changes in piezo-electric crystal devices, Compensating for. T. J. Scofield. 2,001,217; May 14.
Temperature control means for liquid heaters. H. S. Fielder. 2,001,344; May 14.
Temperature control, System for. H. H. Buckman. 2,001,484; May 14.
Tension control means. A. W. Broms. 2,000,918; May 14.
Tent. S. E. Jost. 2,001,196; May 14.
Terminal for electrical conductors and the like. C. W. Sward. 2,001,636; May 14.
Testing device and method for signal light reflectors. K. W. Abendroth. 2,001,660; May 14.
Testing implement for spark plugs and ignition. H. J. Faltico. 2,001,382; May 14.
Testing instrument, Portable. P. T. Sprague. 2,001,588; May 14.
Textile materials, Treatment of. C. Dreyfus and W. Whitehead. 2,000,935; May 14.

Thiazoles, Manufacture of mercapto aryl. W. L. Semon and T. F. Ford. 2,001,587; May 14.
Thread guide for winding machines. A. Amel. 2,001,374; May 14.
Thread objects, Making ornamental. H. González. 2,001,192; May 14.
Throttle valve. H. F. Doherty. 2,001,487; May 14.
Thrust screw connecter. A. Hauser. 2,000,947; May 14.
Ticket, Cloth bolt. L. Davis. 2,001,054; May 14.
Tie for concrete forms, Retaining. S. S. Colt. 2,001,052; May 14.
Tie plates, Apparatus for manufacturing. J. F. W. Kruse, C. W. Dawson, and A. T. Richardson. 2,001,578; May 14.
Tie, Ready made. I. Bronshvaig. 2,001,452; May 14.
Time controlled switch. M. H. Rhodes. 2,001,266; May 14.
Tin plating. F. H. Snyder and S. F. M. Maclaren. 2,001,474; May 14.
Tire inflator. F. H. Anderberg. 2,001,233; May 14.
Tire machine. H. C. Bostwick. 2,001,050; May 14.
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Toaster. M. Ireland. 2,001,362; May 14.
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Tools, Head slide for automatic machine. H. W. Rupple. 2,001,586; May 14.
Toothbrush paste feeder, Automatic. H. A. Appel and E. Le Blanc. 2,000,910; May 14.
Toy, Animated. M. Beerline. 2,001,482; May 14.
Toy looping wheel. O. Marten. 2,001,205; May 14.
Toy mechanism, Flying. W. Kroelling. 2,001,496; May 14.
Toy pistol. E. H. Bergstrom. 2,001,449; May 14.
Toy, Walking. J. and D. J. Davis. 2,001,013; May 14.
Toy, Wheeled. H. Müller. 2,001,625; May 14.
Track circuit apparatus, Railway. H. G. Witmer. 2,001,047; May 14.
Traction, Electric. E. Guignard. 2,001,357; May 14.
Traffic signaling system. E. C. West. 2,001,440; May 14.
Trailer. J. C. Suchland. 2,000,999; May 14.
Trailer hitch. F. J. Boehler. 2,001,451; May 14.
Train-control apparatus. F. J. Sprague. 2,001,163; May 14.
Train control system. T. Bodle. 2,000,917; May 14.
Transformer for the conversion of polyphase currents. H. A. W. Klinkhamer. 2,001,465; May 14.
Transformer, Three-phase rectifier. R. L. Davis. 2,001,454; May 14.
Transmission control in two-way signaling systems. B. G. Bjornson. 2,001,088; May 14.
Transmission for transmitting power at different speed ratios from a driver shaft to a driven shaft. C. Klttilsen. 2,001,141; May 14.
Transmission, Hydraulic. C. E. Ives. 2,001,325; May 14.
Transmission networks. H. W. Bode. 2,001,090; May 14.
Transmission operating and controlling apparatus. A. A. Wiedmaier. 2,001,337; May 14.
Transmission system for railways, High frequency. E. F. W. Alexanderson. 2,001,514; May 14.
Trash burner. H. H. Heuston. 2,001,360; May 14.
Tray. W. R. Stuck. 2,001,438; May 14.
Tray and the like, Ash. A. S. Bloom. 2,000,916; May 14.
Tube sheet for boilers. J. R. Smith. 2,001,333; May 14.
Tubing and preparing the same, Shirred. A. G. Hewitt. 2,001,461; May 14.
Turpentine-face scribe. T. N. Busch. 2,001,655; May 14.
Typewriter attachment. C. L. Winter. 2,001,480; May 14.
Umbrellas, Insert for. H. W. Montgomery. 2,001,623; May 14.
Utensil, Cooking. E. Princiotta. 2,001,352; Mar. 14.
Vacuum container, Double-walled. A. H. Payson. 2,001,154; May 14.
Vacuum extractor. D. Gessner. 2,001,417; May 14.
Valve: *See*—
Gate valve. Regulating valve.
Pop safety valve. Throttle valve.
Valve. P. L. Irving. 2,001,251; May 14.
Valve. E. R. Noll. 2,001,035; May 14.
Valve. J. Podolsky. 2,001,545; May 14.
Valve. P. Spence. 2,001,318; May 14.
Valve control. R. W. Crossen, Jr. 2,001,453; May 14.
Valve for force feed lubricating systems, Lubricant discharge. I. Cowles. 2,000,925; May 14.
Valve mechanism, Flushing. W. A. Lester. 2,001,390; May 14.
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Vaporizer, Electrical. J. Robinson. 2,000,988; May 14.
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Vault, Burial. C. O. A. Brunk. 2,000,919; May 14.
Vehicle jack. J. M. Madigan. 2,001,467; May 14.
Vehicle jack. R. H. Reed. 2,001,265; May 14.
Ventilator attachment for toilet seats. M. O. Teetor. 2,001,592; May 14.
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Vessel, Baking. W. T. Karten. 2,001,615; May 14.
Voltage compensation in signaling circuits. W. T. Rea and T. C. Henneberger. 2,001,037; May 14.
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Wall, Building. L. S. Munson. 2,001,469; May 14.
Wall-fluing, Removable. G. Holderbach. 2,001,136; May 14.
Wall structure, Double. W. W. Smith. 2,001,473; May 14.
Warp-beaming machine. V. J. Diefenderfer and A. C. Lova. 2,001,486; May 14.
Washboard. C. T. Gilbert. 2,000,943; May 14.
Water heater. J. T. Barrow. 2,001,515; May 14.
Water in storage batteries, Automatic regulation of. S. Morse. 2,001,210; May 14.
Wave converter, Short. H. M. Lewis. 2,001,277; May 14.
Weather-strip and window frame, Combination. H. J. Schubert. 2,001,433; May 14.
Weather stripping, Means and method for. F. S. Dietz. 2,001,602; May 14.
Weft replenishing loom. W. E. Lundgren. 2,000,968; May 14.
Welding. J. J. Paugh. 2,001,688; May 14.
Welding, Apparatus for automatic electric arc. O. Weigner and W. Senft. 2,001,231; May 14.
Welding, Electric arc. B. J. Brugge. 2,001,179; May 14.
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Wick, Candle. A. T. Candy, Jr. 2,001,377; May 14.
Winding mechanism for paper bottles. A. Bodor. 2,001,177; May 14.
Window jack. M. Neinhouse. 2,001,626; May 14.
Window construction, Bus or car. J. Schunk. 2,001,435; May 14.
Windshield for motor cars, Auxiliary. L. M. Harvey. 2,001,420; May 14.
Wire bending machine. F. W. Greer. 2,001,273; May 14.
Wire gripping tool. L. O'Russa. 2,001,541; May 14.
Wrapping machine. O. M. Stout and H. Hoyer. 2,001,074; May 14.
X-ray tube holder. J. B. Wantz. 2,0001,004; May 14.
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141— 9: 2,001,328
144— 138: 2,001,306
146— 77: 2,001,524
123: 2,001,075
159: 2,001,512
148— 6: 2,001,427
32: 2,001,017
29: 2,001,307
150— 30: 2,001,645
151— 133: 2,001,252
153— 2: 2,001,553
154— 2: 2,001,031
2,001,575
2,001,693
155— 24: 2,001,603
158— 27.5: 2,001,665
69: 2,001,611
104: 2,001,397
164— 38: 2,001,595
68: 2,001,112
91: 2,001,161
166— 14: 2,001,684
18: 2,001,270
21: R. 19,570
2,001,350
167— 52: R. 19,569
54: 2,001,046
74: 2,001,255
168— 41: 2,001,118
169— 16: 2,001,300
31: 2,001,207
2,001,394
170— 163: 2,001,189
171— 97: 2,001,532
119: 2,001,557
327: 2,001,217
172— 36: 2,001,649
238: 2,001,465
172— 239: 2,000,899
275: 2,001,604
278: 2,001,439
173— 13: 2,001,319
266: 2,001,131
319: 2,001,288
344: 2,001,376
2,001,379
354: 2,001,425
362: 2,001,317
175— 41.5: 2,001,153
2,001,282
2,001,459
2,001,600
183: 2,001,382
294: 2,001,494
2,001,542
2,001,563
363: 2,001,454
2,001,567
176— 45: 2,001,517
2,001,518
2,001,519
122: 2,001,501
2,001,504
2,001,509
2,001,510
2,001,511
2,001,516
2,001,528
124: 2,001,490
2,001,498
177— 311: 2,001,135
2,001,657
2,001,671
329: 2,001,440
336: 2,000,942
349: 2,001,124
351: 2,001,096
352: 2,001,450
2,001,514
386: 2,000,924
178— 44: 2,001,037
2,001,090
2,001,387
179— 8.5: 2,001,095
100.3: 2,001,101
115.5: 2,001,081
170: 2,001,039
2,001,088
171: 2,001,107
2,001,146
2,001,148
180— 64: 2,001,029
83: 2,001,093
181— 0.5: 2,001,429
24: 2,001,537
27: 2,001,089
183— 9: 2,001,259
85: 2,000,971
90: 2,001,121
184— 1.5: 2,001,302
7: 2,000,913
2,000,925
187— 1: 2,001,007
2: 2,001,674
80: 2,001,361
188— 71: 2,001,599
82: 2,000,959
88: 2,001,202
99: 2,001,585
112: 2,000,999
2,001,630
145: 2,001,229
195: 2,001,327
196: 2,001,239
189— 1: 2,001,215
34: 2,001,222
2,001,574
40: 2,001,428
65: 2,001,602
76: 2,001,435
190— 13: 2,001,157
41: 2,001,156
191— 33: 2,001,357
192— 36: 2,001,048
48: 2,001,668

192—	67	2,001,292	209—	467	2,001,331	229—	80	2,001,340	248—	15	2,001,111
	69	2,001,395	210—	72	2,001,550	230—	85	2,001,269		41	2,001,646
	79	2,001,120		170	2,001,610		114	2,001,523	249—	60	2,000,958
194—	35	2,001,388	213—	127	2,001,197		273	2,001,151	250—	16	2,001,235
196—	36	2,001,185		171	2,000,987	235—	30	2,001,373		20	2,000,945
	48	R. 19,568	214—	65	2,001,253		58	2,001,367			2,001,622
		2,001,159	215—	21	2,001,609	236—	18	2,001,344			2,001,694
		2,001,301		43	2,001,426		46	2,001,348			2,001,695
	52	2,000,960		48	2,001,086		80	2,001,068		27	2,000,986
	54	2,001,634	217—	60	2,001,507	237—	2	2,001,531			2,001,530
	58	2,001,150		122	2,001,571		13	2,001,226		27.5	2,000,938
		2,001,187	219—	4	2,001,688		56	2,001,304			2,000,950
		2,001,313		8	2,001,231	240—	2.25	2,000,985			2,001,548
		2,001,314		10	2,001,179		8.3	2,001,472			2,001,695
	63	2,001,444		19	2,001,343		10.66	2,001,363		34	2,001,004
	107	2,001,214			2,001,362		11.4	2,001,495			2,001,188
197—	120	2,001,480		26	2,001,538		41	2,001,406		36	2,001,132
	194	2,001,090		35	2,001,285		41.1	2,001,376			2,001,133
198—	31	2,001,332		37	2,001,326		41.5	2,001,030			2,001,277
200—	35	2,001,266		47	2,001,219	241—	6	2,001,240			2,001,413
	46	2,001,080	220—	36	2,001,445	242—	11	2,001,237		39	2,001,565
	59	2,001,234		46	2,001,458		55	2,001,347		40	2,001,076
	81	2,001,168	221—	23	2,001,481		58	2,001,113	251—	31	2,001,251
	90	2,001,579		47.3	2,001,190		75	2,000,918		55	2,001,271
	118.6	2,001,560		47.4	2,001,568		84.5	2,001,521		56	2,001,094
	121	2,001,422		60	2,000,947		96	2,001,588		97	2,001,035
	124	2,001,513			2,001,627		104	2,001,570		134	2,001,487
		2,001,559		61	2,001,441		118	2,001,569	252—	2	2,000,973
	182	2,001,137		67	2,000,946		130	2,000,900	253—	134	2,000,930
201—	35	2,001,368		100	2,001,025		139	2,001,100	254—	86	2,001,265
	63	2,001,672		146	2,001,110		157	2,001,374		94	2,001,467
	76	2,001,297	222—	7	2,001,227	244—	2	2,001,620	255—	19	2,000,975
204—	14	2,001,385			2,001,258		12	2,001,260		21	2,001,502
206—	7	2,001,624	223—	18.6	2,001,617		15	2,001,400			2,001,503
	19.5	2,001,272	224—	2	2,001,321		18	2,001,529		46	2,001,058
	31	2,001,264		5	2,000,980		19	2,000,904		47	2,001,057
	44	2,001,475	225—	40	2,001,040		29	2,001,158		51	2,001,576
		2,001,476	226—	14	2,001,045			2,001,607		53	2,000,976
		2,001,478		49	2,001,495	245—	6	2,001,677	256—	1	2,000,974
	54	2,001,464		115	2,001,203	246—	34	2,001,047	257—	9	2,001,410
		2,001,477	229—	19	2,001,561		63	2,000,917		88	2,001,083
208—	1	2,001,205		23	2,000,982			2,001,163		89	2,001,085
	18	2,001,174		45	2,001,140		128	2,001,147		96	2,001,084
209—	14	2,001,184		53	2,001,149	247—	2	2,001,051		130	2,001,186
	29	2,001,549		62	2,000,928		6	2,001,636		224	2,001,663
	362	2,001,631		68	2,001,434	248—	14.2	2,001,020		248	2,001,515
	409	2,000,998		73	2,001,489			2,001,562	259—	4	2,000,953
									260—	2	2,001,430
										8	2,000,937
										11	2,001,340
										12	2,001,299
										27	2,001,584
										36	2,001,419
										37	2,001,418
										40	2,001,201
										44	2,001,587
										59	2,001,221
										60	2,001,044
										61	2,001,063
										77	2,001,526
										86	2,001,010
									99.12		2,000,994
										102	2,000,934
										108	2,001,053
										114	2,001,659
										116	2,001,171
										123	2,001,211
									130.5		2,001,284
										143	2,001,523
										149	2,001,275
										152	2,001,102
										154	2,001,014
											2,001,613
											2,001,658
										170	2,000,964
									261—	119	2,001,564
									263—	26	2,000,972
									265—	1	2,000,948
										13	2,001,087
											2,001,097
									266—	23	2,001,294
									267—	1	2,000,905
									268—	33	2,001,416
									271—	2.5	2,001,520
										76	2,001,295
										79	2,001,295
									272—	8	2,001,116
									273—	80	2,001,342
										107.5	2,001,470
										129	2,001,449
										138	2,001,500
										142	2,001,330
										144	2,001,366
										149	2,001,220
									277—	20	2,001,233
										41	2,001,320
									280—	33.1	2,001,393
											2,001,411
										33.15	2,001,451
										33.44	2,001,408
										91	2,001,647
										104	2,000,914
										124	2,001,183
									282—	28	2,001,642
									285—	90	2,001,573
										150	2,001,244
									287—	85	2,001,257
									288—	1	2,001,138
											2,001,225
											2,001,614
									290—	36	2,001,479
										38	2,001,178
									292—	333	2,001,443
									294—	12	2,001,286
										28	2,001,346
									296—	23	2,001,619
										49	2,001,103
										84	2,001,420
										99	2,001,224
									297—	1	2,001,066
									299—	9	2,001,341
										50	2,001,180
										99	2,001,455
									301—	9	2,001,242
										12	2,001,407
									304—	33	2,001,626
									308—	72	2,001,383
										98	2,001,182
										180	2,001,193
										189	2,001,566
										236	2,001,675
									309—	4	2,000,970
										5	2,001,544
										45	2,001,119
									311—	19	2,001,364
										79	2,000,915
									312—	112	2,001,324
										138	2,001,106
										141	2,000,981
										173	2,000,944

U. S. GOVERNMENT PRINTING OFFICE 1935

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Norwegian Talc, Aasane, near Bergen, Norway. Minerals. Serial No. 358,964; May 21. Class 1.

Alamo Citrus Association, Alamo, Tex. Citrus fruits. Serial Nos. 363,143–4; May 21. Class 46.

Allen, Henry W., Ridgefield, Conn. Laxative. Serial No. 362,398; May 21. Class 6.

Allied Kid Company, Boston, Mass. Finished leather. Serial No. 363,309; May 21. Class 1.

Alma Manufacturing Company, Alma and St. Louis, Mich. Motor trucks. Serial No. 362,452; May 21. Class 19.

American Maize-Products Company, New York, N. Y. Corn sugar for use in processing certain fabrics. Serial No. 363,085; May 21. Class 1.

American Newspapers, Inc., New York, N. Y. Newspaper section. Serial No. 363,789; May 21. Class 38.

Ampli-Phone Products Co., Inc., Chicago, Ill. Inter-communicating telephone systems. Serial No. 362,801; May 21. Class 21.

Ansonia Coated Abrasives, Inc., New York, N. Y. Coated abrasives. Serial No. 363,086–7; May 21. Class 4.

Arakelian, K., Inc., Madera, Calif. Wines. Serial No. 363,149; May 21. Class 47.

Arkansas Company, Inc., New York, N. Y. Sulphonated ester used in the wet processing of textile fibres. Serial No. 362,658; May 21. Class 6.

Asher & Boretz, Inc., New York, N. Y. Artificial leather. Serial No. 362,607; May 21. Class 50.

Associated Publications, Inc., Kansas City, Mo. Section or department of a periodical. Serial No. 362,987; May 21. Class 38.

Badger Tissue Mills, Kaukauna, Wis. Toilet paper, napkins, towels, etc. Serial No. 363,738; May 21. Class 37.

Bair, John M., doing business as The Kep-All Company, New York, N. Y. Preparation for supplying organic sea minerals in readily assimilable form. Serial No. 362,503; May 21. Class 6.

Bair, John M., doing business as The Kelp-O-Mol Company, New York, N. Y. Preparation for supplying organic sea minerals in readily assimilable form. Serial No. 362,505; May 21. Class 6.

Bair, John M., doing business as The Kelp-All Company, New York, N. Y. Preparation for supplying organic sea minerals in readily assimilable form. Serial No. 362,504; May 21. Class 6.

Balestrieri, F. Paul, Tarrs, Pa. Beer and ale. Serial No. 363,359; May 21. Class 48.

Bally Manufacturing Company, Chicago, Ill. Coin controlled, ball projecting amusement device. Serial Nos. 363,618–7; May 21. Class 22.

Bally Manufacturing Company, Chicago, Ill. Coin controlled, ball projecting amusement device. Serial Nos. 363,619-20; May 21. Class 22.

Barnes, Francis E., Los Angeles, Calif. Astringents, bleach creams, cleansing creams, etc. Serial No. 361,301; May 21. Class 6.

Biesantz, Georg, Billigheim, Germany. Preparations for the treatment of asthma. Serial No. 363,451; May 21. Class 6.

Blacker Brothers, Inc., New York, N. Y. Men's outer clothing. Serial No. 361,379; May 21. Class 39.

Blossom Products Corporation, Allentown, Pa. Bloomers, and women's pantees, step-ins, etc. Serial No. 352,603; May 21. Class 39.

Blue Monday Products Co., St. Louis, Mo. Water softener and soap saver. Serial No. 359,416; May 21. Class 6.

Bodner, Max, Paterson, N. J. Shoes. Serial No. 362,454; May 21. Class 39.

Botany Worsted Mills, Passaic, N. J. Neckties, scarfs, mufflers, etc. Serial No. 357,224; May 21. Class 39.

Bowness, Frank, Company, Chelsea, Mass. Ready mixed paints, paint enamels, varnishes, etc. Serial No. 362,555; May 21. Class 16.

Brewer & Company, Inc., Worcester, Mass. Plain and mint flavored cod liver oil and cod liver oil wafers, lozenges, etc. Serial No. 361,718; May 21. Class 6.

Brodhead, Helen G., New York, N. Y. Preparation for the treatment of toxemias. Serial No. 359,903; May 21. Class 6.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, brandy, gin, etc. Serial No. 346,495; May 21. Class 49.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, brandy, gin, etc. Serial No. 351,252; May 21. Class 49.

Buettner, T., & Co. Inc., Chicago, Ill. Yarns and threads. Serial No. 362,737; May 21. Class 43.

Bullock's, Inc., Los Angeles, Calif. Blankets, towels, sheets, etc. Serial No. 350,676; May 21. Class 42.

Burg, Geo. L., doing business as Imperial Manufacturing Company, St. Paul, Minn. Liquid wave set, wave set powder, hair oil, etc. Serial No. 363,037; May 21. Class 6.

Buscarlet Glove Company, Inc., New York, N. Y. Leather gloves. Serial No. 362,456; May 21. Class 39.

Callahan, Bernard E., Chicago, Ill. Books. Serial No. 362,345–6; May 21. Class 38.

Capitol Wine & Spirit Corp., New York, N. Y. Gin, whiskey, and brandy. Serial No. 361,452; May 21. Class 49.

Carman & Co. Inc., New York, N. Y. Soap. Serial No. 335,547; May 21. Class 4.

Cataract Chemical Company, Inc., Buffalo, N. Y. Shampoo. Serial No. 349,016; May 21. Class 6.

Central Wisconsin Canneries, Inc., Beaver Dam, Wis. Canned peas. Serial No. 361,205; May 21. Class 46.

Charles of the Ritz, Inc., doing business as Marie Kay, New York, N. Y. Nourishing cream, cleansing cream, hand cream, etc. Serial No. 339,953; May 21. Class 6.

Cheramy, Inc., New York, N. Y. Eau de cologne, perfume, face powder, etc. Serial No. 363,206; May 21. Class 6.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. Serial No. 359,845; May 21. Class 49.

Compañia Ron Bacardi, S. A., Santiago, Cuba. Rum, whiskey, brandy, etc. Serial No. 349,824; May 21. Class 49.

Compañia Ron Bacardi, S. A., Santiago, Cuba. Whiskey, brandy, gin, etc. Serial No. 352,849; May 21. Class 49.

Continental Car-Na-Var Corporation, Brazil, Ind. Sealer or undercoater for floors. Serial No. 363,780; May 21. Class 16.

Corona Corporation of California, Los Angeles, Calif. Whiskey. Serial No. 362,946; May 21. Class 49.

Cornell Tire & Rubber Company. (See Pep Boys—Manny, Moe & Jack, The.)

Crawford, Edith L., Bronxville, N. Y. Game board. Serial No. 362,911; May 21. Class 22.

Davenport Producers Association. (See Poletti, Louis.)

DeBeer, J., & Son, Albany, N. Y. Baseballs, indoor baseballs, playground balls, etc. Serial No. 363,584; May 21. Class 22.

Dellamo. (See Moser, Della.)

DeLong Hook and Eye Company, The, Philadelphia, Pa. Sanitary napkins. Serial No. 363,038; May 21. Class 44.

Dermalab, Inc., Winnetka, Ill. Material for use in facial treatments. Serial No. 362,810; May 21. Class 6.

Dominick Fine Shoes, Inc., New York, N. Y. Men's shoes. Serial No. 362,458; May 21. Class 39.

Double Nickle Company, The. (See Seiling, Roscoe R.)

Duart Manufacturing Company, Ltd., San Francisco, Calif. Electrical heater used with permanent hair waving machines. Serial No. 362,870; May 21. Class 44.

Eagle Pencil Company, New York, N. Y. Rubber erasers. Serial No. 362,676; May 21. Class 37.

Edelstein, Jacob I., New York, N. Y. Cigars. Serial No. 363,275; May 21. Class 17.

Engineering Products Corporation, Waltham, Mass. Mercury switches. Serial No. 362,514; May 21. Class 21.

Fabrix, Inc., Chicago, Ill. Mats composed of rubber and fabric. Serial No. 360,929; May 21. Class 50.

Fagan Corporation, The, New York, N. Y. Marmalade, jam, pepper, spices, etc. Serial No. 349,276; May 21. Class 46.

Farm Service Stores, Inc., Minneapolis, Minn. Seeds. Serial No. 363,387; May 21. Class 1.

Fitchburg Yarn Company, Fitchburg, Mass. Yarns. Serial No. 363,093; May 21. Class 43.

Fitzsimmons, R. J., Corporation, New York, N. Y. Photographic chemicals. Serial No. 362,301; May 21. Class 6.

Fontana & Alison Company, Rosebank, N. Y. Prepared medicinal herbs. Serial No. 362,109; May 21. Class 6.

Forest City Brewery, Inc., Cleveland, Ohio. Lager beer. Serial No. 362,996; May 21. Class 48.

Fox River Wire Cloth Works, Incorporated, Appleton, Wis. Wire-cloth as used on paper, pulp, etc. machines, and its accessory equipment. Serial No. 345,334; May 21. Class 23.

Franklin Stores Co., Newark, N. J. Whiskey, rum, gin, etc. Serial No. 362,357; May 21. Class 49.

Gallup, Michael C., New York, N. Y. Razor blades. Serial No. 363,280; May 21. Class 23.

Garrett & Company, Brooklyn, N. Y. Wines. Serial No. 362,960; May 21. Class 47.

Gilman-Rappaport Silk Corp., New York, N. Y. Textile fabrics. Serial No. 360,534; May 21. Class 42.

Goldblatt Bros., Inc., Chicago, Ill. Overalls. Serial No. 362,679; May 21. Class 39.

Goldman, Max, doing business as Marlene Laboratories, Chicago, Ill. Skin tonic, skin freshener, astringent lotion, etc. 361,015; May 21. Class 6.

Goldstein Millinery Company, Chicago, Ill. Hats for women, misses, and children. Serial No. 358,004; May 21. Class 39.

Gonzalez, Justo, y Cia., S. A., Habana, Cuba. Cognac, brandy. Serial No. 354,771; May 21. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Whiskey. Serial No. 362,083; May 21. Class 49.

Graves, C. H., & Sons Company, Boston, Mass. Rum. Serial No. 362,173; May 21. Class 49.

Green, Joseph M., Brooklyn, N. Y. Ladies', misses', and children's sweaters. Serial No. 362,085; May 21. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gregory & Read Company, Lynn, Mass. Women's boots, shoes, and slippers. Serial No. 362,615; May 21. Class 39.

Grose, J. H., Walnut Ridge, Ark. Hair tonic. Serial No. 359,262; May 21. Class 6.

Gsell, R., & Co., Inc., New York, N. Y. Watches and parts thereof, watch cases, etc. Serial No. 362,457; May 21. Class 27.

Hales & Hunter Co., Chicago, Ill. Dog food. Serial No. 362,573; May 21. Class 46.

Hamburger Company, The, Chicago, Ill. Whiskey. Serial No. 361,384; May 21. Class 49.

Hamburger, Jerome, New York, N. Y. Dolls. Serial No. 362,784; May 21. Class 22.

Health Distributing Company. (See Vincent, Frederic.)

Hig Furniture Polish Co., Brooklyn, N. Y. Furniture polish. Serial No. 362,113; May 21. Class 16.

Hill-Luthy Co., Peoria, Ill. Whiskey. Serial No. 362,256; May 21. Class 49.

Holar-Glo Products, Inc., New York, N. Y. Varnishes. Serial No. 363,503; May 21. Class 16.

Holmstrom, Axel, Philadelphia, Pa. Etching machines and parts thereof. Serial No. 362,140; May 21. Class 23.

Holsum Bakery, The. (See Long, W. E., Co.)

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerised vinyl compounds. Serial No. 360,068; May 21. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Corpus luteum hormone preparation. Serial No. 360,476; May 21. Class 6.

Imperial Manufacturing Company. (See Burg, Geo. L.)

Ireland Brothers, Johnstown, N. Y. Gloves. Serial Nos. 362,257-8; May 21. Class 39.

Ischlondsky, Adam N., Paris, France. Preparation for glandular troubles, diseases of the nervous system, etc. Serial No. 361,888; May 21. Class 6.

Johnson, Edward E., Inc., St. Paul, Minn. Well points. Serial No. 363,328; May 21. Class 23.

Johnson, Robert L., doing business as Star Biscuit Company, San Antonio, Tex. Food product. Serial No. 361,056; May 21. Class 46.

Kahn, David, Inc., North Bergen, N. J. Fountain pens, mechanical pencils, rubber erasers, etc. Serial No. 362,876; May 21. Class 37.

Katro-Lek Laboratories Incorporated, Boston, Mass. Medicine for certain stomach disorders, nasal jellies, and cough medicines. Serial No. 363,758; May 21. Class 6.

Kay, Marie. (See Charles of the Ritz, Inc.)

Keilbach, Albert, New York, N. Y. Abrasive polishing material. Serial No. 362,178; May 21. Class 4.

Kelp-All Company, The. (See Bair, John M.)

Kelp-O-Mo Company. (See Bair, John M.)

Kemp, E. F., Inc., Sommerville, Mass. Candy. Serial No. 362,170; May 21. Class 46.

Kep-All Company, The. (See Bair, John M.)

King Features Syndicate, Inc., New York, N. Y. Cartoon series. Serial No. 363,366; May 21. Class 38.

King Features Syndicate, Inc., New York, N. Y. Cartoon series. Serial No. 363,592; May 21. Class 38.

Klein, Gerhard A., Los Angeles, Calif. Spelling game played with pieces. Serial No. 362,578; May 21. Class 22.

Knott, Wm. T., Company, Inc., New York, N. Y. Electric irons, electric washing machines and electric ironers. Serial No. 363,865; May 21. Class 24.

Knott, Wm. T., Company, Inc., New York, N. Y. Electric refrigerators. Serial No. 363,868; May 21. Class 31.

Kohnstamm, H., & Co. Inc., New York, N. Y. Extracts and flavors for making non-alcoholic, maltless beverages. Serial Nos. 360,596-7; May 21. Class 45.

Laitner, A. & Sons, Detroit, Mich. Floor brushes. Serial No. 362,117; May 21. Class 29.

Lakewood Shirt Corporation, New York, N. Y. Shirts and pajamas. Serial No. 361,972; May 21. Class 39.

Laucks, I. F., Inc., Seattle, Wash. Casein paints. Serial No. 363,506; May 21. Class 16.

Laucks, I. F., Inc., Seattle, Wash. Cold or hot water calcimines. Serial No. 363,507; May 21. Class 16.

Les Successeurs de Gratien & Meyer, Feaulieu, near Saumur, France. Champagne wines. Serial No. 360,640; May 21. Class 47.

Levine, Morris H., doing business as M. H. Levine Co., New York, N. Y. Aluminum foil. Serial No. 363,105; May 21. Class 14.

Lobiaw Grocetarias, Inc., Buffalo, N. Y. Butter, eggs, coffee, and tea. Serial No. 363,434; May 21. Class 46.

Log Cabin Mineral Water Co. (See Schwartz Ginger Ale Company, Inc.)

Long, W. E., Co., The, doing business as The Holsum Bakery, Chicago, Ill. Bread. Serial No. 362,833; May 21. Class 46.

Lowenstein Bros. Inc., New York, N. Y. Ladies' neckwear. Serial No. 361,099; May 21. Class 39.

Lyons-Magnus, Incorporated, San Francisco, Calif. Glacé fruit. Serial No. 243,694; May 21. Class 46.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassieres, bandeaux, corsets, etc. Serial No. 361,623; May 21. Class 39.

Maiman-Sanger, Inc., New York, N. Y. Women's dresses, suits and coats. Serial No. 362,586; May 21. Class 39.

Maritime Stores Corporation, New York, N. Y. Food products. Serial No. 354,803; May 21. Class 46.

Marlene Laboratories. (See Goldman, Max.)

Marshall Asbestos Corporation, Troy, N. Y. Brake lining. Serial No. 362,877; May 21. Class 35.

Mathieson Alkali Works (Inc.), The, New York, N. Y. Hypochlorite product. Serial No. 363,327; May 21. Class 6.

Maus & Pfeiffer, Stuttgart-Botnang, Germany. Electric vacuum cleaners. Serial No. 359,176; May 21. Class 21.

Mawer-Gulden-Annis Inc., Brooklyn, N. Y. Olives, olive oil, bottled cherries, etc. Serial No. 361,428; May 21. Class 46.

May Hosiery Mills, Nashville, Tenn. Hosiery. Serial No. 362,479; May 21. Class 39.

Mayhew & Rosell, Inc., New York, N. Y. Metal tooth crowns. Serial No. 363,005; May 21. Class 44.

Mayo, George R., doing business as Mayo Company, Pasadena, Calif. Salve for external use for the relief of snoring. Serial No. 362,370; May 21. Class 6.

McKesson & Robbins, Incorporated, Fairfield and Bridgeport, Conn. Medical preparation derived from milk. Serial No. 362,834; May 21. Class 6.

Mergott, J. E., Company, The, Newark, N. J. Bag frames, purse frames, and pocketbook frames. Serial No. 362,879; May 21. Class 3.

Methven, Helen M., Edgware, England. Vanity cases. Serial No. 359,920; May 21. Class 2.

Milens, Charles E., Kansas City, Mo. Shoes. Serial No. 361,897; May 21. Class 39.

Milford Shoe Company, Milford, Mass. Boots and shoes. Serial No. 362,700; May 21. Class 39.

Morningstar, Nicol, Inc., New York, N. Y. Chemical preparation in liquid form. Serial No. 361,760; May 21. Class 6.

Morningstar, Nicol, Inc., New York, N. Y. Chemical preparation. Serial No. 361,761; May 21. Class 6.

Mor-Pak Preserving Corp., Stockton, Calif. Canned fruits and vegetables. Serial No. 362,373; May 21. Class 46.

Moser, Della, doing business as Dellamo, Decatur, Ind. Kidney medicine and a preparation for the treatment of sinus and catarrhal ailments. Serial No. 362,625; May 21. Class 6.

Mueller, John, Licorice Company, The, Cincinnati, Ohio. Licorice confections. Serial No. 363,464; May 21. Class 46.

Mylish, Mann & Drucker, Philadelphia, Pa. Dress shirts. Serial No. 358,802; May 21. Class 39.

Nannette Manufacturing Co., Philadelphia, Pa. Children's dresses, boys' suits, play-togs, etc. Serial No. 361,320; May 21. Class 39.

Narragansett Brewing Company, The, Cranston, R. I. Malt beverages. Serial No. 359,628; May 21. Class 48.

Narragansett Brewing Company, The, Cranston, R. I. Malt beverages. Serial No. 359,664; May 21. Class 48.

Nason Products Company, Chicago, Ill. Carpet sweepers. Serial No. 362,037; May 21. Class 23.

National Electric Products Corporation, Pittsburgh, Pa. Electrical fuses and circuit interrupters. Serial No. 362,974; May 21. Class 21.

National Enameling & Stamping Co., Milwaukee, Wis. Kitchenette sets. Serial No. 363,402; May 21. Class 2.

Neuman, Nathan, doing business as Nathan Neuman Company, Philadelphia, Pa. Swimming trunks, bathing suits, and bathing jerseys. Serial No. 361,473; May 21. Class 39.

New York Knitting Mills, Inc., New York, N. Y. Knitted fabrics. Serial No. 361,628; May 21. Class 42.

Niremberg, M., Sons, Inc., New York, N. Y. Dress shirts. Serial No. 361,848; May 21. Class 39.

Norma-Hoffmann Bearings Corporation, Stamford, Conn. Retainers in ball bearings. Serial No. 352,194; May 21. Class 23.

Oil Well Supply Company, Dallas, Tex. Hose clamps. Serial No. 363,014; May 21. Class 13.

Osborne, R. Randle, doing business as Osborne System Specialties, Rockford, Ill. Modified milk for babies. Serial No. 356,958; May 21. Class 46.

Page, Gladys W., doing business as The Trixo Company, Los Angeles, Calif. Washing crystals and a soap saver and water softener. Serial No. 361,445; May 21. Class 6.

Parachini, Anthony, Cliffside Park, N. J. Brandy, whiskey, alcoholic bitters, etc. Serial No. 356,080; May 21. Class 49.

Paramount Sales Company. (See Ziet, Leah.)

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 362,378; May 21. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 363,230; May 21. Class 22.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. Serial No. 363,231; May 21. Class 22.

Patch, E. L., Company, The, Stoneham, Mass. Ointment. Serial No. 363,371; May 21. Class 6.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, stains, etc. Serial No. 363,466; May 21. Class 16.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Pep Boys—Manny, Moe & Jack, The, doing business as Cornell Tire & Rubber Company, Philadelphia, Pa., and Chicopee Falls, Mass. Automobile and vehicle tires and inner tubes. Serial No. 360,041; May 21. Class 35.

Perrigo, L., Co., Allegan, Mich. Cleaner and whitener for shoes of leather and canvas. Serial No. 362,629; May 21. Class 4.

Pioneer Salt Company, Philadelphia, Pa. Salt. Serial No. 360,549; May 21. Class 46.

Poletti, Louis, doing business as Davenport Producers Association, and United Artichoke Growers of California, Davenport, Calif. Fresh vegetables. Serial No. 341,560; May 21. Class 46.

Proportioneers, Inc., Providence, R. I. Proportioning apparatus for pumping fluids. Serial No. 362,758; May 21. Class 23.

Proportioneers, Inc., Providence, R. I. Proportioning apparatus for feeding liquids. Serial No. 362,759; May 21. Class 23.

Pure Oil Company, The, Chicago, Ill. Cleaning and polishing preparations. Serial No. 360,373; May 21. Class 16.

Reporter Publishing Company, Abilene, Tex. Newspaper. Serial No. 361,580; May 21. Class 38.

Rogers, Harry L., New York, N. Y. Smoking tobacco, cigars, and cigarettes. Serial No. 362,842; May 21. Class 17.

Rogers, Harry L., New York, N. Y. Pipes, and cigar and cigarette holders. Serial No. 362,843; May 21. Class 8.

Royal Lace Paper Works, Brooklyn, N. Y. Shelf papers, shelf edgings of paper, paper doilies, etc. Serial No. 363,186; May 21. Class 37.

Schacht Rubber Manufacturing Co., Huntington, Ind. Jar rings and rubbers. Serial No. 348,784; May 21. Class 35.

Schrafft, W. F., & Sons Corporation, Boston, Mass. Candy. Serial No. 357,841; May 21. Class 46.

Schulte, D. A., Inc., New York, N. Y. Whiskey. Serial Nos. 362,046-8; May 21. Class 49.

Schulte, D. A., Inc., New York, N. Y. Apple jack. Serial No. 362,049; May 21. Class 49.

Schulte, D. A., Inc., New York, N. Y. Whiskey. Serial No. 362,050; May 21. Class 49.

Schulte, D. A., Inc., New York, N. Y. Rum. Serial No. 362,051; May 21. Class 49.

Schuylkill Valley Mills, Inc., Spring City, Pa. Hosiery. Serial No. 362,601; May 21. Class 39.

Schwartz Ginger Ale Company, Inc., doing business as Log Cabin Mineral Water Co., San Francisco, Calif. Maltless beverages and mineral water. Serial No. 360,648; May 21. Class 45.

Seibert, Herbert D., & Co., Inc., New York, N. Y. Daily publication. Serial No. 363,706; May 21. Class 38.

Selling, Roscoe R., doing business as The Double Nickle Company, Lamar, Colo. Frozen confections. Serial No. 356,498; May 21. Class 46.

Servel, Inc., New York, N. Y. Refrigerators, refrigerator parts, etc. Serial No. 361,222; May 21. Class 31.

Shelburne Shirt Company, New York, N. Y. Shirts. Serial No. 361,996; May 21. Class 39.

Shoreham Coffee Co., Inc., Washington, D. C. Whiskey, gin, rum, etc. Serial No. 363,567; May 21. Class 49.

Soc. An. S C A L A, Naples, Italy. Wines. Serial No. 361,484-6; May 21. Class 47.

Solomon, Jacob, New York, N. Y. Swim suits. Serial No. 360,552; May 21. Class 39.

Spratt's Patent (America) Limited, London, England. Aquarium rectifier. Serial No. 362,384; May 21. Class 6.

Stanco Incorporated, New York, N. Y. Garment bags. Serial No. 362,847; May 21. Class 2.

Standard Distilleries Products, Inc., Baltimore, Md. Whiskey. Serial No. 360,501; May 21. Class 49.

Star Biscuit Company. (See Johnson, Robert L.)

Streit, Aron, New York, N. Y. Matzoths, matzoth meal, etc. Serial No. 357,687; May 21. Class 46.

Steward, D. M., Mfg. Co., Chattanooga, Tenn. Mineral electrical insulation. Serial No. 360,503; May 21. Class 21.

Taylor, John B., doing business as Taylor Laboratories, Liverpool, N. Y. Face powders, talcum powders, tooth powders, etc. Serial No. 352,052; May 21. Class 6.

Tenderet Corporation, Chicago, Ill. Meat and food tenderling machines. Serial No. 362,717; May 21. Class 23.

Thermold Rubber Company, Trenton, N. J. Brake blocks. Serial No. 362,330; May 21. Class 35.

Toeplitz Productions Limited, London, England. Cinematograph films. Serial No. 360,187; May 21. Class 26.

Tribuno, Mario P., New York, N. Y. Distilled alcoholic beverages. Serial No. 362,718; May 21. Class 49.

Trixo Company, The. (See Page, Gladys W.)

United Artichoke Growers of California. (See Poletti, Louis.)

United Distillers (of America) Ltd., Baltimore, Md. Whiskey, gin, rum, etc. Serial No. 362,278; May 21. Class 49.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Electric smoothing and pressing irons. Serial No. 362,497; May 21. Class 21.

Vincent, Frederic, doing business as Health Distributing Company, San Francisco, Calif. General tonic. Serial No. 363,247; May 21. Class 6.

Vita-B Corporation, New York, N. Y. Therapeutic preparation. Serial No. 362,200; May 21. Class 6.

Walpole, William F., doing business as The Walten Company, St. Joseph, Mo. Tonic tablets. Serial No. 362,244; May 21. Class 6.

Walten Company, The. (See Walpole, William F.)

Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts, and pajamas. Serial No. 363,078; May 21. Class 39.

Ward, Thomas, Distilling Company Incorporated, The, Westminster, Md. Whiskey. Serial No. 363,307; May 21. Class 49.

Washburn Company, The, Worcester, Mass. Flour sifters. Serial No. 362,798; May 21. Class 23.

Weber, Costello Co., Chicago Heights, Ill. Globes. Serial No. 362,643; May 21. Class 26.

Westwell Chemical Company, Whittier, Calif. Insecticides, fungicides, parasiticides, etc. Serial No. 355,502; May 21. Class 6.

Wexmar Liquor Co., Inc., Chicago, Ill. Whiskey. Serial No. 362,333; May 21. Class 49.

Whiting-Plover Paper Company, Stevens Point, Wis. Paper. Serial No. 363,608; May 21. Class 37.

Wimpy Grills, Inc., Chicago, Ill. Sandwiches, roasted and toasted meats. Serial No. 357,611; May 21. Class 46.

Winthrop Chemical Company, Inc., New York, N. Y. Vitamin A and D concentrate. Serial No. 362,854; May 21. Class 6.

Wolverine Knitting Mills, Bay City, Mich. Polo shirts and underwear. Serial No. 362,132; May 21. Class 39.

Wortendyke Manufacturing Co., Richmond, Va. Gummed tape. Serial No. 363,571; May 21. Class 37.

Worth and Worth, Ltd., New York, N. Y. Hats and caps, neckties, etc. Serial No. 362,058; May 21. Class 39.

Yardley & Co., Limited, London, England. Liquid perfumes, face powder, face creams, etc. Serial No. 362,855; May 21. Class 6.

Ziet, Leah, doing business as Paramount Sales Company, Brooklyn, N. Y. Belting for power transmission, radiator hose, air hose, etc. Serial No. 362,722; May 21. Class 35.

LIST OF REGISTRANTS OF TRADE-MARKS

American Cone & Pretzel Company, Philadelphia, Pa. Game of the quoit type. 324,485; May 21; Serial No. 360,818; published Mar. 12, 1935. Class 22.

American Hair & Felt Company, Chicago, Ill. Hair felt carpet cushions and seat cushions. 324,578-9; May 21; Serial Nos. 360,694-5; published Mar. 12, 1935. Class 32.

American Molasses Co. of New York, The, New York, N. Y. Cane syrup and molasses. 324,599; May 21; Serial No. 359,902; published Mar. 12, 1935. Class 46.

American Tobacco Company, The, New York, N. Y. Cigarettes. 324,528; May 21; Serial No. 359,265; published Mar. 12, 1935. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco and cigars and cigarettes. 324,576; May 21; Serial No. 360,697; published Mar. 12, 1935. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. 324,577; May 21; Serial No. 360,696; published Mar. 12, 1935. Class 17.

American Writing Machine Company, The, assignor, by mesne assignments, to American Writing Machine Company, New York, N. Y. Writing machines. 12,147; renewed Apr. 21, 1935.

American Writing Machine Company, The, assignor, by mesne assignments, to American Writing Machine Company, New York, N. Y. Writing machines. 12,168; renewed Apr. 21, 1935.

Andrews, Sam, Los Angeles, Calif. Fresh vegetables, citrus fruits, deciduous fruits, etc. 324,433; May 21; Serial No. 360,393; published Mar. 12, 1935. Class 46.

Anghileri, Domenico, Malgrate, Italy. Wines. 324,456; May 21; Serial No. 353,837; published Mar. 12, 1935. Class 47.

Ant-B-Gon Products Company, Los Angeles, Calif. Insecticides. 324,540; May 21; Serial No. 359,102; published Mar. 5, 1935. Class 6.

Asher & Boretz, Inc., New York, N. Y. Artificial leather. 324,638; May 21. Class 50.

Atlantic Baking Company, Detroit, Mich. Bread. 324,583; May 21; Serial No. 359,645; published Mar. 12, 1935. Class 46.

Austin Oil Corporation, Detroit, Mich. Oil made from petroleum. 324,406; May 21; Serial No. 360,521; published Mar. 12, 1935. Class 15.

Barbier, René. (See Coulon, M.)

Beach & Parker, Rose Hill, Iowa. Salve. 324,518; May 21; Serial No. 360,023; published Mar. 5, 1935. Class 6.

Beck, Koller & Co., Inc., Detroit, Mich. Synthetic oil. 324,454; May 21; Serial No. 360,202; published Mar. 12, 1935. Class 6.

Beekman, Ben, New Orleans, La. Men's and boys' clothing. 324,537; May 21; Serial No. 359,567; published Mar. 12, 1935. Class 39.

Belch, Paul F., Company, Bloomington, Ill. Candy. 324,458; May 21; Serial No. 353,316; published Aug. 21, 1934. Class 46.

Bell, Carlton D., doing business as Dr. Bell Wonder Medicine Co., Kingston, Ontario, Canada. Veterinary medicine. 324,554; May 21; Serial No. 352,025; published Mar. 5, 1935. Class 6.

Berg & Nathan Co., Chicago, Ill. Medicines, cosmetics, and pharmaceutical preparations. 324,514; May 21; Serial No. 358,119; published Mar. 12, 1935. Class 6.

Binco Company, Terre Haute, Ind. Preparation for colds and headaches. 324,509; May 21; Serial No. 357,661; published Mar. 5, 1935. Class 6.

Binney & Smith Company, East Orange, N. J., and New York, N. Y., to Binney & Smith Company, New York, N. Y. Crayons. 104,814; renewed June 15, 1935.

Blue Ribbon Package Fuel Co., The, Cleveland, Ohio. Packages of prepared coal. 324,527; May 21; Serial No. 359,270; published Mar. 12, 1935. Class 1.

Blue Valley Creamery Company, Chicago, Ill., assignor to Blue Valley Creamery Company, Wilmington, Del., and Chicago, Ill. Butter. 103,747; renewed Apr. 13, 1935.

Blum, Phillip, & Co., Inc., Chicago, Ill. Whiskey. 324,550; May 21; Serial No. 351,542; published June 26, 1934. Class 49.

Borden's Farm Products Company, Inc., New York, N. Y. Fluid milk and cream. 324,576; May 21; Serial No. 360,696; published Mar. 12, 1935. Class 46.

Bownes, Frank, Company, Chelsea, Mass. Paint. 324,501; May 21; Serial No. 360,063; published Mar. 5, 1935. Class 18.

Bradner Smith & Company, Chicago, Ill. Book and announcement papers. 324,580; May 21; Serial No. 349,606; published July 10, 1934. Class 37.

Brasel, Burney, Drumright, Okla. Remedy for the liver. 103,020; renewed Mar. 16, 1935.

Breon, George A., & Company, Incorporated, Kansas City, Mo. Therapeutic products. 324,530; May 21; Serial No. 358,206; published Mar. 5, 1935. Class 6.

Breon, George A., & Company, Incorporated, Kansas City, Mo. Therapeutic products. 324,541–4; May 21; Serial Nos. 359,201–4; published Mar. 5, 1935. Class 6.

Brinsmade, Estelle H., New York, N. Y. Facial devices. 324,546; May 21; Serial No. 359,170; published Mar. 12, 1935. Class 44.

Brown Company, Portland, Me., and Berlin, N. H. Artificial leather. 324,413; May 21; Serial No. 360,620; published Mar. 12, 1935. Class 50.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cardboard and fibre containers and wrappers. 324,620; May 21. Class 2.

Bruce-Hunt, Inc., Chicago, Ill. Metal kitchen and table hollow-ware. 324,457; May 21; Serial No. 353,423; published Mar. 12, 1935. Class 13.

Buffalo Cellulose Inc., Buffalo, N. Y. Protective coating solutions. 324,472; May 21; Serial No. 347,715; published Mar. 12, 1935. Class 16.

Bullen, Joseph W., doing business as The Bullen Chemical Company, Folcroft, Pa. Wall coating or paint. 324,496; May 21; Serial No. 360,089; published Mar. 5, 1935. Class 18.

Byron, John J., Troy, N. Y., assignor to Faith Mills, Inc., Averill Park, N. Y. Knit underwear. 104,142; renewed May 4, 1935.

Calvet, J. & Cie., S. A. R. L., Bordeaux, France. Wines. 324,532; May 21; Serial No. 350,175; published Mar. 12, 1935. Class 47.

Carondelet Brewing Company, St. Louis, Mo. Beer. 324,475; May 21; Serial No. 346,679; published Apr. 3, 1934. Class 48.

Cash, Lawrence E., assignor to Abraham Parodney, doing business as New York Drug Concern, New York, N. Y. Remedy for certain named ailments. 103,375; renewed Mar. 30, 1935.

Central City Chemical Company, Chicago, Ill. Insecticide. 324,466; May 21; Serial No. 320,251; published Jan. 5, 1932. Class 6.

Central Paper Company, Muskegon, Mich. Paper towels and paper napkins. 106,064; renewed Sept. 28, 1935.

Chauvenet, Maison, F., S. A., Nuits-St.-Georges, France. Wines. 324,473; May 21; Serial No. 347,615; published Sept. 4, 1934. Class 47.

Checard Company, The, Minneapolis, Minn. Table game. 324,453; May 21; Serial No. 360,213; published Mar. 12, 1935. Class 22.

Chemische Fabrik Marienfelde, G. m. b. H., Berlin-Marienfelde, Germany. Preparation for combatting vermin of animal and vegetable origin. 324,516; May 21; Serial No. 358,237; published Mar. 5, 1935. Class 6.

Chicago Mail Order Company, Chicago, Ill. Men's and boys' suits, overalls and jackets. 324,407; May 21; Serial No. 360,664; published Mar. 12, 1935. Class 39.

Cincinnati Cake & Specialty Company, doing business as Independent Biscuit Co., Cincinnati, Ohio. Crackers and cookies. 324,474; May 21; Serial No. 347,494; published Mar. 12, 1935. Class 46.

Clean Surface Products Company, Chicago, Ill. Paste cleaner. 324,534; May 21; Serial No. 349,709; published Mar. 5, 1935. Class 4.

Cohan, Roth & Stiffson, New York, N. Y. Neckties, cravats, and scarfs. 324,590; May 21; Serial No. 359,780; published Mar. 5, 1935. Class 39.

Cola-Gyn Laboratories. (See Smith, Joseph C.)

Cole, J. W., Company, The, Rockford, Ill. Cole's carbolized salve. 324,464; May 21; Serial No. 352,032; published Mar. 5, 1935. Class 6.

Colman, Myrtle, doing business as Screen Girl Beauty Products, New York, N. Y. Eye washes, skin tonics, astringents, etc. 324,595; May 21; Serial No. 355,963; published Mar. 5, 1935. Class 6.

Colorglo Products, Whittier, Calif. Cleaner for furniture and automobile upholstery, traffic film remover and rubbing compound. 324,538; May 21; Serial No. 359,537; published Mar. 5, 1935. Class 4.

Commercial Solvents Corporation. (See Roosville Commercial Alcohol Corporation, assignor.)

Compañía Azucarera de Guines, Guines City, Cuba. Sugar. 324,533; May 21; Serial No. 349,968; published June 26, 1934. Class 46.

Continental Mills. (See Knight, Arthur C.)

Cooper & Cooper, Inc., Brooklyn, N. Y. Safety razor blades. 324,569–72; May 21; Serial Nos. 360,706–9; published Mar. 12, 1935. Class 23.

Cooper & Cooper, Inc., Brooklyn, N. Y. Safety razor blades. 324,573–4; May 21; Serial Nos. 360,703–4; published Mar. 12, 1935. Class 23.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery for women. 324,520; May 21; Serial No. 359,508; published Mar. 12, 1935. Class 39.

Cope, L. E., Products Co., Cleveland, Ohio. Analgesic. 324,517; May 21; Serial No. 358,240; published Mar. 12, 1935. Class 6.

Coulon, M., doing business as René Barbier, London, England. Sherry. 324,584; May 21; Serial No. 356,297; published Mar. 12, 1935. Class 47.

Credit Publishing Company, Minneapolis, Minn. Periodical. 324,603; May 21; Serial No. 359,947; published Mar. 12, 1935. Class 38.

Cudahy Packing Company, The, assignor, to The Cudahy Packing Company, Chicago, Ill. Toilet soap. 105,836; renewed Aug. 24, 1935.

Del-Dia Mfg. Co. (See Mumford, John W.)

Dell Publishing Company, Inc., New York, N. Y. Publication. 324,604; May 21; Serial No. 355,612; published Nov. 13, 1934. Class 38.

Delshire Corporation, Chicago, Ill. Transformer coupled induction electric heaters, electrically operated liquid heaters, etc. 324,614; May 21. Class 21.

Diament Inc., Chicago, Ill. Candy. 324,412; May 21; Serial No. 360,628; published Mar. 12, 1935. Class 46.

Dickinson, Albert, Company, The, Chicago, Ill. Poultry feed. 105,293; renewed July 13, 1935.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Graphite. 324,415; May 21; Serial No. 360,515; published Mar. 12, 1935. Class 1.

Duart Manufacturing Company, assignor to Hollywood Publishing Company, San Francisco, Calif. Printed periodical. 324,567; May 21; Serial No. 360,717; published Mar. 5, 1935. Class 38.

Duncan, Donald F., Inc., Chicago, Ill. Model and toy airplane kits, and model airplanes and toy spinning tops. 324,482; May 21; Serial No. 360,952; published Mar. 12, 1935. Class 22.

Du Page Engineering Co., Downers Grove, Ill. Air pumps and compressors. 324,615; May 21. Class 23.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' shirts and boys' blouses. 324,625; May 21. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 324,481; May 21; Serial No. 360,999; published Mar. 12, 1935. Class 22.

Etablissements E. Bigeon Inc., New York, N. Y., assignor to Maison Barriasson Societe Anonyme, Cognac, France. Brandy and cognac. 324,629; May 21. Class 49.

Etablissements E. Bigeon Inc., New York, N. Y., assignor to Maison Barriasson Societe Anonyme, Cognac, France. Brandy. 324,631; May 21. Class 49.

Exhibit Supply Company, The, Chicago, Ill. Coin controlled amusement apparatus. 324,479–80; May 21; Serial Nos. 361,001–2; published Mar. 12, 1935. Class 22.

Exhibit Supply Company. (See Meyer, John F.)

Faith Mills, Inc. (See Byron, John J., assignor.)

Famous-Barr Company. (See May Department Stores Company.)

Farber, Simon W., New York, N. Y., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Copper, brass, and nickel hollow-metal ware. 103,751; renewed Apr. 13, 1935.

Fargason Company, The. (See Parsons & Scoville Co., assignor.)

Fate-Root-Heath Company, The, Plymouth, Ohio. Tractors. 324,591; May 21; Serial No. 359,787; published Mar. 12, 1935. Class 23.

Federal Metallic Packing Company, Wakefield, Mass. Radiator stop leak compound. 324,488; May 21; Serial No. 360,168; published Mar. 5, 1935. Class 6.

Forshee, Edna M., doing business as Gran'father's Milling Company, Fairgrove, Mich. Prepared breakfast food. 324,462; May 21; Serial No. 352,136; published Sept. 4, 1934. Class 46.

Frank, Karl G., New York, N. Y. Magnifying glasses. 324,503; May 21; Serial No. 360,028; published Mar. 12, 1935. Class 26.

Frontenac Breweries, Limited, Montreal, Quebec, Canada. Beer. 324,442; May 21; Serial No. 358,433; published Mar. 12, 1935. Class 48.

Frozen Confections, Inc., New York, N. Y. Ice cream and frozen confections. 324,405; May 21; Serial No. 360,533; published Mar. 12, 1935. Class 46.

Fruit Industries, Ltd., Los Angeles, Calif. Wines. 324,639; May 21. Class 47.

Gemloid Corporation, New York, N. Y. Sheets of acetate, pyroxylin and phenol derivative, etc. 324,429; May 21; Serial No. 358,552; published Mar. 12, 1935. Class 1.

Gemmill, Mildred H., doing business as Mothozone Company, New York, N. Y. Moth and insecticide preventatives and disinfectants. 324,586; May 21; Serial No. 359,700; published Mar. 5, 1935. Class 6.

Genco, Inc., Chicago, Ill. Amusement apparatus. 324,478; May 21; Serial No. 361,016; published Mar. 12, 1935. Class 22.

General Cutlery Corporation, Fremont, Ohio. Manicure files, picks and pushers, etc. 324,513; May 21; Serial No. 357,948; published Mar. 12, 1935. Class 44.

General Woodenware Corporation. (See International Mfg. Co., assignor.)

Gillon, John, & Co., Limited, Glasgow, Scotland. Whisky. 324,561; May 21; Serial No. 350,459; published May 29, 1934. Class 49.

Gran'father's Milling Company. (See Forshee, Edna M.)

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Chocolate candies. 324,427; May 21; Serial No. 358,582; published Mar. 12, 1935. Class 46.

Grinnell Willis & Co., assignor, by mesne assignments, to A. R. Johnson, New York, N. Y. Cotton piece goods. 103,099; renewed Mar. 16, 1935.

Grinnell Willis & Co., assignor, by mesne assignments, to A. R. Johnson, New York, N. Y. Cotton piece goods. 103,163; renewed Mar. 16, 1935.

Gristede Bros. Inc., New York, N. Y. Clear and cloudy ammonia. 324,441; May 21; Serial No. 360,274; published Mar. 5, 1935. Class 6.

Growers Wine Company, Limited, Victoria, British Columbia, Canada. Wines. 324,581; May 21; Serial No. 349,132; published Aug. 14, 1934. Class 47.

Gulf Fertilizer Company, The, Tampa, Fla. Special fertilizer. 324,583; May 21; Serial No. 356,622; published Mar. 12, 1935. Class 10.

Hagen Import Company, St. Paul, Minn. Balsam breath filter inhalers. 324,637; May 21. Class 44.

Hall & McChesney, Inc., Syracuse, N. Y. Loose leaf binders. 324,459; May 21; Serial No. 353,066; published Mar. 12, 1935. Class 37.

Hammonton Park Clothes, Inc., New York, N. Y. Men's clothing. 324,606; May 21; Serial No. 359,953; published Mar. 5, 1935. Class 39.

Harlic Bag Co., The, South Norwalk, Conn. Ladies' purses, handbags, and pocketbooks. 324,568; May 21; Serial No. 360,716; published Mar. 12, 1935. Class 3.

Harrison Refining Co., Inc., New York, N. Y. Beeswax. 324,432; May 21; Serial No. 358,520; published Mar. 5, 1935. Class 6.

Holliday, W. J., & Co., Indianapolis, Ind. Steel. 324,411; May 21; Serial No. 360,635; published Mar. 12, 1935. Class 14.

Hollywood Dress Shoppe. (See Vaskov, Vladimir.)

Hollywood Publishing Company. (See Duart Manufacturing Company, assignor.)

Household Paper Products, Detroit, Mich. Ironing board cover set. 324,613; May 21. Class 24.

Independent Biscuit Co. (See Cincinnati Cake & Specialty Company.)

International Cellucotton Products Company. (See Kotex Company, assignor.)

International Mfg. Co., Phillips, Maine, assignor to General Woodenware Corporation, New York, N. Y. Wooden toothpicks. 103,388; renewed Mar. 30, 1935. Class 44.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 105,661; renewed Aug. 10, 1935.

Jacobson, F., & Sons, New York, N. Y. Men's shirts, pajamas, and shorts. 324,500; May 21; Serial No. 360,069; published Mar. 5, 1935. Class 39.

Jewell, Joan, Inc., New York, N. Y. Cosmetics and depilatories. 324,525; May 21; Serial No. 359,307; published Mar. 5, 1935. Class 6.

Joffe, Max A., doing business as Joffe's Institute of Biological Research, Los Angeles, Calif. Medicinal preparation in liquid form. 324,465; May 21; Serial No. 322,485; published Mar. 12, 1935. Class 6.

Johnson, Arthur R. (See Grinnell Willis & Co., assignor.)

Kelly, Henry & Sons, Inc., New York, N. Y. Whiskey. 324,626; May 21. Class 49.

Kevelson, Irving, New York, N. Y. Paints, paint enamels, lacquers, etc. 324,440; May 21; Serial No. 360,282; published Mar. 5, 1935. Class 16.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. 324,417; May 21; Serial No. 360,593; published Mar. 5, 1935. Class 38.

Kings Brewery Inc., Brooklyn, N. Y. Malt beverages. 324,611; May 21; Serial No. 337,121; published Sept. 19, 1933. Class 48.

Kleinfeld, Sidney, & Co., Inc., New York, N. Y. Misses' and ladies' coats, suits, etc. 324,622; May 21. Class 39.

Knight, Arthur C., doing business as Continental Mills, Chicago, Ill. Animal and live stock feed. 324,431; May 21; Serial No. 360,411; published Mar. 12, 1935. Class 46.

Kotex Company, assignor to International Cellucotton Products Company, Chicago, Ill. Deodorant. 324,452; May 21; Serial No. 360,229; published Mar. 12, 1935. Class 6.

Laird, R. H., Manufacturing Company, Inc., The, New York, N. Y. Wave lotion. 324,627; May 21. Class 6.

La Mode Garment Company, Chicago, Ill. Dresses, smocks, aprons, etc. 324,547; May 21; Serial No. 359,133; published Mar. 5, 1935. Class 39.

Lateltin A. G., Zurich, Switzerland. Cognac. 324,617; May 21. Class 49.

Lawrence & Company, Inc., Boston, Mass. Whiskey. 324,471; May 21; Serial No. 348,494; published May 1, 1934. Class 49.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind., and Boston, Mass., to Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 106,002; renewed Sept. 14, 1935.

Liberty Cherry & Fruit Co., Incorporated, The, Covington, Ky. Preserved fruits. 324,607; May 21; Serial No. 355,483; published Mar. 12, 1935. Class 46.

Loose-Wiles Biscuit Company, Kansas City, Mo. Stick-candy. 104,332; renewed May 18, 1935.

Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. 104,391; renewed May 25, 1935.

Loose-Wiles Biscuit Company, Chicago, Ill. Cakes and crackers. 104,620; renewed June 8, 1935.

Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. 104,621; renewed June 8, 1935.

Loose-Wiles Biscuit Company, Kansas City, Mo. Candy figs. 105,069; renewed July 6, 1935.

Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. 105,070; renewed July 6, 1935.

Loose-Wiles Biscuit Company, New York, N. Y., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes commonly called snaps. 104,619; renewed June 8, 1935.

Los Angeles Soap Co., Los Angeles, Calif. Washing powder. 105,942; renewed Aug. 31, 1935.

Los Angeles Soap Co., Los Angeles, Calif. Soap. 105,943; renewed Aug. 31, 1935.

Löwenthal, Benno, Zurich, Switzerland. Automatic cigar and cigarette lighters. 324,424; May 21; Serial No. 358,885; published Mar. 12, 1935. Class 34.

Macy, R. H., & Co., assignor to R. H. Macy Co., Inc., New York, N. Y. Scarf-pins, necklaces, lavalières, etc. 104,071; renewed Apr. 27, 1935.

Maison Barriasson Societe Anonyme. (See Etablissements E. Bigeon Inc., assignor.)

Manhattan Shirt Co., The, New York, N. Y. Negligee shirts and collars. 324,565; May 21; Serial No. 360,726; published Mar. 5, 1935. Class 39.

Mantle Lamp Company of America, The, Chicago, Ill. Paper impregnated or coated. 324,531; May 21; Serial No. 350,343; published Mar. 5, 1935. Class 37.

Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixtures. 324,437; May 21; Serial No. 360,365; published Mar. 12, 1935. Class 21.

Marshall, Calvin C., Hendersonville, N. C. Medicinal compound. 324,597; May 21; Serial No. 359,891; published Mar. 12, 1935. Class 6.

Marston, John, Limited, Wolverhampton, England. Cycles, motor-cycles, and side cars for use with motor-cycles. 103,857; renewed Apr. 20, 1935.

Massachusetts Chiropody Association, Rockland, Mass. Periodicals. 324,560; May 21; Serial No. 350,640; published Mar. 5, 1935. Class 38.

Massachusetts Knitting Mills, Jamaica Plain, Mass. Hosiery. 324,633; May 21. Class 39.

Master Laboratories, Inc., doing business as 30–30 Products Co., Omaha, Nebr. Medicinal preparation. 324,521; May 21; Serial No. 359,478; published Mar. 12, 1935. Class 6.

May Department Stores Company, The, doing business as The May Company, Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; and Los Angeles, Calif.; Famous-Barr Company, St. Louis, Mo.; and M. O'Neil Company, Akron, Ohio. Ladies' silk hosiery. 324,435; May 21; Serial No. 358,441; published Mar. 5, 1935. Class 39.

McCormick & Company, Inc., Baltimore, Md. Insecticides. 324,487; May 21; Serial No. 360,178; published Mar. 5, 1935. Class 6.

Meyer, John F., doing business as Exhibit Supply Company, Chicago, Ill. Coin controlled amusement apparatus. 324,621; May 21. Class 22.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. 324,463; May 21; Serial No. 352,093; published Mar. 12, 1935. Class 46.

Monark Battery Company, Inc., Chicago, Ill. Storage batteries. 324,616; May 21. Class 21.

Montague, Joseph F., New York, N. Y. Column of a newspaper or magazine and for booklets. 324,551; May 21; Serial No. 354,692; published Mar. 12, 1935. Class 38.

Montague, Joseph F., New York, N. Y. Column of a newspaper or magazine, etc. 324,553; May 21; Serial No. 354,690; published Mar. 5, 1935. Class 38.

Montell, Germaine, Inc., New York, N. Y. Women's dresses, coats, and suits. 324,594; May 21; Serial No. 359,849; published Mar. 5, 1935. Class 39.

Morton Salt Company, assignor to Morton Salt Company, Chicago, Ill. Salt. 103,537; renewed Mar. 30, 1935.

Moseley, Ella L., Los Angeles, Calif. Cosmetics. 324,600; May 21; Serial No. 359,923; published Mar. 12, 1935. Class 6.

Mothozone Company. (See Gemmill, Mildred H.)

Mt. Vernon Cream Co., Mount Vernon and Seattle, Wash., by change of name to Mount Vernon Milk Company, Seattle, Wash. Canned evaporated milk. 104,627; renewed June 8, 1935.

Mumford, John W., doing business as Del-Dia Mfg. Co., Philadelphia, Pa. Metal rug holder clips. 324,461; May 21; Serial No. 352,324; published Mar. 12, 1935. Class 13.

N. V. tot voortz. der zaken van Pieter Schoen & Zoon, Zaandam, Netherlands. Glazier's putty, paint, oils, etc. 324,608; May 21; Serial No. 340,505; published Mar. 12, 1935. Class 16.

National Breweries, Limited, Montreal, Quebec, Canada. Ale. 324,426; May 21; Serial No. 358,683; published Mar. 12, 1935. Class 48.

National Breweries, Limited, The, Montreal, Quebec, Canada. Ale. 324,522; May 21; Serial No. 359,436; published Mar. 12, 1935. Class 48.

National Breweries, Limited, The, Montreal, Quebec, Canada. Stout. 324,523; May 21; Serial No. 359,434; published Mar. 12, 1935. Class 48.

National Chicle Company, Cambridge, Mass. Chewing gum. 324,559; May 21; Serial No. 351,275; published June 19, 1934. Class 46.

National Silver Company, New York, N. Y. Cutlery. 324,530; May 21; Serial No. 359,587; published Mar. 12, 1935. Class 23.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,471–2; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,474; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,476; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,478; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,480; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,482–3; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,486–92; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,495; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,497–8; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,500–1; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,503; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,505–12; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,516–17; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,519–23; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,525; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,538; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 103,540–1; renewed Apr. 6, 1935.

National Washboard Company, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn., to National Washboard Company, Chicago, Ill. Washboards. 104,335; renewed May 18, 1935.

Natural Syrup Products, Inc., New York, N. Y. Maple sugar, maple syrup, honey and maple sugar candy. 324,619; May 21. Class 46.

Nestle-Lemur Company, The, New York, N. Y. Compound used for permanent hair waving. 324,439; May 21; Serial No. 360,289; published Mar. 12, 1935. Class 6.

Nettleton, A. E., Company, Syracuse, N. Y. Shoes. 324,655; May 21. Class 39.

Neveroil Bearing Company, Wakefield, Mass. Radiator stop leak compounds. 324,486; May 21; Serial No. 360,179; published Mar. 12, 1935. Class 6.

Newlon, Francis E., doing business as Newlon's, Colome, S. Dak. Compound for foot troubles, burns, etc. 324,495; May 21; Serial No. 360,104; published Mar. 5, 1935. Class 6.

New York Drug Concern. (See Cash, Laurence E.)

New York Pattern Company, Inc., The, New York, N. Y. Paper patterns for garments. 324,493; May 21; Serial No. 360,139; published Mar. 12, 1935. Class 26.

Ni-Tone Company, Minneapolis, Minn. Alkaline diuretics. 324,151; May 21; Serial No. 360,237; published Mar. 12, 1935. Class 6.

Norfolk Paint & Varnish Company, Quincy and Atlantic, Mass. Paints, varnishes, and lacquers. 324,450; May 21; Serial No. 360,239; published Mar. 5, 1935. Class 16.

Northampton Brewery Corporation, Philadelphia, Pa. Beer. 324,477; May 21; Serial No. 361,058; published Mar. 12, 1935. Class 48.

Nu-Di Products Company, The, Cleveland, Ohio. White shoe cleaner. 324,449; May 21; Serial No. 360,240; published Mar. 5, 1935. Class 4.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey, gin, rum, etc. 324,467; May 21; Serial No. 348,657; published Apr. 17, 1934. Class 49.

O'Neil, M., Company. (See May Department Stores Company, The.)

Oregon Pulp and Paper Company, Salem, Oreg. Duplicating paper, bond, and typewriter paper. 324,492; May 21; Serial No. 360,141; published Mar. 5, 1935. Class 37.

Pacific Liquor Co., Los Angeles, Calif. Gin. 324,618; May 21. Class 49.

Palnut Company, The, Irvington, N. J. Nuts. 324,612; May 21. Class 13.

Park, Philip R., Inc., San Pedro, Calif. Stock and poultry feeds. 324,422–3; May 21; Serial Nos. 358,946–7; published Mar. 12, 1935. Class 46.

Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of conditions involving deficient utilization in the body of calcium and phosphorus. 324,592; May 21; Serial No. 359,811; published Mar. 12, 1935. Class 6.

Parodney, Abraham. (See Cash, Laurence E., assignor.)

Parsons & Scoville Co., assignor to The Farguson Company, Evansville, Ind. Foods. 103,328; renewed Mar. 30, 1935.

Penfolds Wines Limited, Sydney, Australia. Wines. 324,630; May 21. Class 47.

Penn-Maryland, Inc., New York, N. Y. Whiskey. 324,557; May 21; Serial No. 351,521; published June 26, 1934. Class 49.

Peters Cartridge Company, The, Kings Mills, Ohio, and Bridgeport, Conn. Ammunition. 324,506; May 21; Serial No. 361,113; published Mar. 12, 1935. Class 9.

Pike, George J., Grand Rapids, Mich. Sketches of designs and details for furniture, etc. 324,566; May 21; Serial No. 360,724; published Mar. 5, 1935. Class 38.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire fencing. 324,623; May 21. Class 13.

Pittsburgh Steel Company, Pittsburgh, Pa. Metal tubes. 324,624; May 21. Class 13.

Platten Brothers, Green Bay, Wis. Gin, whiskey, and brandy. 324,634; May 21. Class 49.

Plough, Inc., doing business as Twenty Grand Co., Memphis, Tenn. Rubbing alcohol, aspirin, petroleum jelly, etc. 324,582; May 21; Serial No. 350,912; published Mar. 5, 1935. Class 6.

Polar Ware Company, Sheboygan, Wis. Metal coffee pots and urns. 324,540; May 21; Serial No. 359,631; published Mar. 12, 1935. Class 13.

Potter, Thomas W., doing business as The Stainocide Company, Mattoon, Ill. Paint. 324,552; May 21; Serial No. 354,523; published Mar. 12, 1935. Class 16.

Procter & Gamble Company, The, Cincinnati, Ohio. Shortening. 324,562; May 21; Serial No. 360,787; published Mar. 12, 1935. Class 46.

Quigley Publishing Company, Inc., New York, N. Y. Publication. 324,420; May 21; Serial No. 360,488; published Mar. 12, 1935. Class 38.

Quigley Publishing Company, Inc., New York, N. Y. Publication. 324,428; May 21; Serial No. 360,487; published Mar. 12, 1935. Class 38.

Ramshead Distilling Co., Chicago, Ill. Whiskey. 324,558; May 21; Serial No. 351,330; published June 19, 1934. Class 49.

Rapp, Ralph, New York, N. Y. Bath powder. 104,367; renewed May 25, 1935.

Red River Potato Company, East Grand Forks, Minn. Fresh potatoes. 324,512; May 21; Serial No. 357,922; published Mar. 12, 1935. Class 46.

Reed, Willard H., doing business as W. H. Reed & Company, Atlanta, Ga. Prophylactic rubber articles. 324,502; May 21; Serial No. 360,043; published Mar. 12, 1935. Class 44.

Rhinelander Paper Company, Rhinelander, Wis. Wrapping paper. 324,418; May 21; Serial No. 360,561; published Mar. 5, 1935. Class 37.

Rizzotto, Benjamin, New York, N. Y. Cod liver oil for medicinal purposes. 324,529; May 21; Serial No. 359,242; published Mar. 5, 1935. Class 6.

Rodeo, Inc., New York, N. Y. Hat bodies and hoods for women. 324,632; May 21. Class 39.

Rossville Commercial Alcohol Corporation, assignor to Commercial Solvents Corporation, New York, N. Y. Ethyl alcohol. 324,550; May 21; Serial No. 354,870; published Oct. 30, 1934. Class 49.

Rotary International, Chicago, Ill. Publications. 324,563; May 21; Serial No. 360,791; published Mar. 5, 1935. Class 38.

Rundle, George H., Company, The, Piqua, Ohio. Liniment. 324,430; May 21; Serial No. 360,426; published Mar. 5, 1935. Class 6.

Ruth, George H., New York, N. Y. Newspaper articles. 324,510; May 21; Serial No. 357,836; published Mar. 5, 1935. Class 38.

Safeguard, Inc., New York, N. Y. Machines for protecting bank checks, etc. 324,416; May 21; Serial No. 360,606; published Mar. 12, 1935. Class 23.

Saks & Company, New York, N. Y. Cigarette containers. 324,455; May 21; Serial No. 360,183; published Mar. 12, 1935. Class 8.

Savage, Inc., assignorf to Tattoo, Inc., Chicago, Ill. Lipsticks, rouge and face powder. 324,508; May 21; Serial No. 357,352; published Mar. 5, 1935. Class 6.

Scherer, Ernest, doing business as Scherer Co., Minneapolis, Minn. Acid resistant preparation for etching half tone plates. 324,605; May 21; Serial No. 359,961; published Mar. 5, 1935. Class 6.

Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Arch supports and appliances for the relief of corns, etc. 324,499; May 21; Serial No. 360,079; published Mar. 12, 1935. Class 44.

Schwarz & Son Wine & Liquor Co., New York, N. Y. Applejack. 324,640; May 21. Class 49.

Scott and Fetzer Company, The, Cleveland, Ohio. Domestic suction cleaners and their structural parts. 324,636; May 21. Class 23.

Screen Girl Beauty Products. (See Colman, Myrtle.)

Sears, Roebuck and Co., Chicago, Ill. Automobile tires. 324,484; May 21; Serial No. 360,859; published Mar. 12, 1935. Class 35.

Seeman Brothers, Inc., New York, N. Y. Canned youngberries. 324,497; May 21; Serial No. 360,082; published Mar. 12, 1935. Class 46.

Shell Oil Company, San Francisco, Calif. Liquid fuel. 324,609–10; May 21; Serial No. 359,963–4; published Mar. 5, 1935. Class 15.

Sherman, Milton A., doing business as Sherman Products Company, Chicago, Ill. Detergent and polishing materials. 324,444; May 21; Serial No. 358,408; published Mar. 5, 1935. Class 4.

Sherwin Williams Co., The, Cleveland, Ohio. Paints, lacquers, varnishes, etc. 324,587; May 21; Serial No. 359,705; published Mar. 5, 1935. Class 16.

Silver Lady Hosiery Co., New York, N. Y. Hosiery and lingerie. 324,421; May 21; Serial No. 358,951; published Mar. 5, 1935. Class 39.

Singer Manufacturing Company, The, New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines and sewing machine attachments and supplies. 12,395; re-renewed July 7, 1935.

Sisco Brothers, assignor to Sisco Bros. Candy Company, Chicago, Ill. Candies. 105,877; renewed Aug. 24, 1935.

Smith, Joseph C., doing business as Cola-Gyn Laboratories, Kansas City, Kans. Medicinal jelly applicator. 324,498; May 21; Serial No. 360,085; published Mar. 12, 1935. Class 44.

Soaps-Perfumes Limited, Toronto, Ontario, Canada. Soaps. 324,598; May 21; Serial No. 355,871; published Feb. 26, 1935. Class 4.

Societe Anonyme des Rhums Chauvet & de la Compagnie des Antilles, Le Havre, France. Rum. 324,460; May 21; Serial No. 353,042; published July 31, 1934. Class 49.

Socony Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils. 324,438; May 21; Serial No. 360,295; published Mar. 12, 1935. Class 15.

Sparks Dairy, Inc., Buffalo, N. Y. Milk, cream, butter, and cheese. 324,476; May 21; Serial No. 346,382; published Mar. 12, 1935. Class 46.

Speer, Clyde E., Coal Co., Inc., Pittsburgh, Pa. Coal. 324,434; May 21; Serial No. 358,503; published Mar. 12, 1935. Class 1.

Stainocide Company, The. (See Potter, Thomas W.)

Stain-Ox Company, Roselle, N. J. Liquid and wax polish. 324,526; May 21; Serial No. 359,283; published Mar. 5, 1935. Class 16.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils. 324,404; May 21; Serial No. 360,553; published Mar. 12, 1935. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Oils made from petroleum. 324,419; May 21; Serial No. 360,554; published Mar. 12, 1935. Class 15.

Standard Romper Co., Inc., New York, N. Y. Children's clothing. 324,548; May 21; Serial No. 359,058; published Mar. 12, 1935. Class 39.

Stearns, Frederick, & Co., Detroit, Mich. Preparations for creaming ale and beer. 324,593; May 21; Serial No. 359,816; published Mar. 12, 1935. Class 48.

Steffens-Amberg Co., The, Newark, N. J. Harness or saddlery hardware and hames. 103,803; renewed Apr. 13, 1935.

Sterling Engine Company, Buffalo, N. Y. Viscosity indicating and controlling instruments. 324,483; May 21; Serial No. 360,862; published Mar. 12, 1935. Class 26.

Sullivan, James J., Boston, Mass. Gin, whiskey, rum, and brandy. 324,628; May 21. Class 49.

Superior Products, Inc., Louisville, Ky. Preparation for the removal of dandruff and the growth of hair. 324,515; May 21; Serial No. 358,163; published Mar. 12, 1935. Class 6.

Swing, Edward M., doing business as M. E. Swing Company, Washington, D. C. Coffee. 324,504; May 21; Serial No. 360,504; published Mar. 12, 1935. Class 46.

Talcott, James, Inc., New York, N. Y. Almanacs. 324,436; May 21; Serial No. 360,382; published Mar. 12, 1935. Class 38.

Targ and Dinner, Inc., Chicago, Ill. Musical instruments. 324,445; May 21; Serial No. 358,304; published Mar. 12, 1935. Class 26.

Tattoo, Inc. (See Savage, Inc., assignor.)

Tavendale, Inc., New York, N. Y. Men's clothing. 324,519; May 21; Serial No. 359,527; published Mar. 12, 1935. Class 39.

Taylor Bedding Mfg. Co., Taylor, Tex. Comfort batting. 324,410; May 21; Serial No. 360,649; published Mar. 12, 1935. Class 1.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 324,469; May 21; Serial No. 348,617; published July 10, 1934. Class 49.

Therrianlt Products, New York, N. Y. Preparation for the treatment of skin afflictions, eczema, etc. 324,491; May 21; Serial No. 360,146; published Mar. 5, 1935. Class 6.

Thirty-Thirty Products Co. (See Master Laboratories, Inc.)

Thomson, J. G., and Company, Limited, Leith, Edinburgh, Scotland. Whiskey. 324,468; May 21; Serial No. 348,618; published Sept. 4, 1934. Class 49.

Thrifty Drug Co. Ltd., Los Angeles, Calif. Photographic prints. 324,448; May 21; Serial No. 360,252; published Mar. 12, 1935. Class 38.

Ticker Publishing Company, New York, N. Y. Weekly financial publication. 105,879; renewed Aug. 24, 1935.

Tolletine Company, The. (See Ulrich, Charles F.)

Tootal Broadhurst Lee Company, Limited, Manchester, England. Cotton piece goods. 104,917; renewed June 22, 1935.

Tower Town Topics, Inc., Chicago, Ill. Publication. 324,564; May 21; Serial No. 360,739; published Mar. 5, 1935. Class 38.

Tray & Novelty Corporation, New York, N. Y. Caps and hats. 324,535; May 21; Serial No. 359,245; published Mar. 19, 1935. Class 39.

Treet Safety Razor Corporation, Newark, N. J. Shaving cream and soap. 324,589; May 21; Serial No. 359,735; published Mar. 5, 1935. Class 4.

Truscon Steel Company. (See Trussed Concrete Steel Company.)

Trussed Concrete Steel Company, by change of name to Truscon Steel Company, Detroit, Mich. Liquid cement wall-coating. 105,472; renewed July 27, 1935.

Twenty Grand Co. (See Plough, Inc.)

Ulrich, Charles F., doing business as The Tolletine Company, Greenfield, Mass. Toilet lotion. 324,567; May 21; Serial No. 357,311; published Mar. 5, 1935. Class 6.

United Drug Company, Boston, Mass. Dental plate cleaner. 324,443; May 21; Serial No. 360,253; published Mar. 5, 1936. Class 4.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 324,549; May 21; Serial No. 359,016; published Mar. 12, 1935. Class 38.

United States Electric Mfg. Corp., New York, N. Y. Electrical flashlight. 324,539; May 21; Serial No. 359,638; published Mar. 12, 1935. Class 21.

United States Envelope Company, Springfield, Mass. Writing, printing, ledger, etc., papers and envelopes, cardboards, etc. 324,409; May 21; Serial No. 360,052; published Mar. 5, 1935. Class 37.

United States Rubber Company, New York, N. Y. Rubber inner tubes for tires. 324,588; May 21; Serial No. 359,710; published Mar. 12, 1935. Class 35.

Universal Sanitary Manufacturing Co., New Castle and Taylor Township, Pa. Combination closets and flush tanks. 324,490; May 21; Serial No. 360,150; published Mar. 12, 1935. Class 13.

Urbuteit, Dr. Fred, Tampa, Fla. Electric therapeutic devices. 324,601; May 21; Serial No. 355,691; published Mar. 12, 1935. Class 44.

V. T. Laboratories, Inc., Bessemer, Ala. Tonic. 324,596; May 21; Serial No. 359,870; published Mar. 12, 1935. Class 6.

Vaskov, Vladimir, doing business as Hollywood Dress Shoppe, St. Louis, Mo. Dresses. 324,489; May 21; Serial No. 360,152; published Mar. 5, 1935. Class 39.

Victor Animatograph Corporation, Davenport, Iowa. Cinematographic projectors, cameras, stereopticons, slides, lanterns, etc. 324,446; May 21; Serial No. 332,901; published Oct. 17, 1934. Class 26.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 324,425; May 21; Serial No. 358,801; published Mar. 12, 1935. Class 35.

Vitamins Limited, London, England. Oil of wheat germ prepared for use in medicine. 324,511; May 21; Serial No. 357,844; published Mar. 5, 1935. Class 6.

Weideman Co., The, Cleveland, Ohio. Coffee. 324,505; May 21; Serial No. 360,509; published Mar. 12, 1935. Class 46.

Wesco Foods Company, Cincinnati, Ohio. Laundry starch. 324,470; May 21; Serial No. 348,535; published Mar. 5, 1935. Class 6.

Western Waxed Paper Company, Oakland, Calif., and Portland, Oreg. Gummed paper tape. 324,602; May 21; Serial No. 359,933; published Mar. 12, 1935. Class 37.

Williams Brothers, Ltd., Centerville, Calif. Wines. 324,555; May 21; Serial No. 351,595; published Aug. 21, 1934. Class 47.

Windsor Mills, Inc., The, Philadelphia, Pa. Hosiery. 324,414; May 21; Serial No. 360,612; published Mar. 5, 1935. Class 39.

Wiskind Bros., Inc., Newark, N. J. Food products. 324,524; May 21; Serial No. 359,415; published Mar. 12, 1935. Class 46.

Wood Hydraulic Hoist and Body Company, Detroit, Mich. Air conditioners and air heating units. 324,447; May 21; Serial No. 353,870; published Mar. 12, 1935. Class 34.

Zulando, Inc., Bloomfield, N. J. Hair tonic. 324,494; May 21; Serial No. 360,116; published Mar. 5, 1935. Class 6.

Zwiebel, Moses, New York, N. Y. Harmonicas. 324,408; May 21; Serial No. 360,659; published Mar. 12, 1935. Class 36.

LIST OF REGISTRANTS OF LABELS

Allen Chemical Co. Inc., New York, N. Y. Relaxation—Foot Powder—For People In All Walks of Life. For Preparation for the Feet. 45,583; May 21.

American Cone & Pretzel Company, Philadelphia, Pa. Rold Gold Pretzel Toss. For a Game of the Quoit Type. 45,584; May 21.

Archer, P. D., Kansas City, Mo. Manor. For Bread. 45,585; May 21.

Arrow Distilleries, Incorporated, Detroit, Mich. Raki. For Raki. 45,586; May 21.

Bailey, James C., Chicago, Ill. Bailey's Herb-Lax Tea. For a Medicinal Tea Prepared From Herbs, Roots, Barks, Seeds, and Leaves. 45,587; May 21.

Berghoff Brewing Corporation, Fort Wayne, Ind. Berghoff Keg Beer (Neck Label). For Beer. 45,588; May 21.

Berghoff Brewing Corporation, Fort Wayne, Ind. Berghoff Beer (Body Label). For Beer. 45,589; May 21.

Berghoff Brewing Corporation, Fort Wayne, Ind. Berghoff Picnic Beer (Body Label). For Beer. 45,590; May 21.

Borden's Farm Products Company, Inc., New York, N. Y. Borden's Pasteurized Grade B Cream. For Pasteurized Grade B Cream. 45,591; May 21.

Borden's Farm Products Company, Inc., New York, N. Y. Borden's Chocolate Flavored Drink. For a Chocolate Flavored Drink. 45,592; May 21.

Dasher, Lawton O., Valdosta, Ga. Special Notice. For a Chemical Compound for the Treatment of Wounds Infected With Screw Worms and for Extinction of Screw Worms. 45,593; May 21.

Dasher, Lawton O., Valdosta, Ga. S. W. K. For a Chemical Compound for the Treatment of Wounds Infected with Screw Worms and for the Extinction of Screw Worms. 45,594; May 21.

Federal Cutlery Co., New York, N. Y. 7 Piece Household Set. For Household Cutlery Sets. 45,595; May 21.

Ford, Luther, & Co., Minneapolis, Minn. Mrs. Stewart's Concentrated Liquid Bluing. For Concentrated Liquid Bluing. 45,596; May 21.

Gibbs Manufacturing Company, The, Canton, Ohio. A. V. A. For Deodorant Compound, Particularly a Deodorant for Bath Rooms and Toilet Bowls. 45,597; May 21.

Globe Novelty House, Inc., New York, N. Y. London. For Belts. 45,598; May 21.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Junket Mix for Making Ice Cream. For Ice Cream Mix. 45,599; May 21.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Ten Junket Tablets. For a Preparation for Making Desserts From Milk. 45,600; May 21.

King Distributing Company, Jacksonville, Fla. King's Pride. For Straight Whiskey. 45,601; May 21.

King Distributing Company, Jacksonville, Fla. King's Pride. For Distilled Dry Gin. 45,602; May 21.

Leon Laboratories, Brooklyn, N. Y. Natty-Lee Cuffs. For Cuffs for Use in the Office, Store, and Home. 45,603; May 21.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Edgemont Smacks. For Butter Wafers. 45,604; May 21.

Mail-Well Envelope Company, Portland, Oreg. Diamond Hair Net. For Hair Nets. 45,605; May 21.

Molloy, Thomas J., & Co., Inc., New York, N. Y. Planat. For Cognac. 45,606; May 21.

Mueller, John, Licorice Company, The, Cincinnati, Ohio. Midnites. For Licorice Confections. 45,607; May 21.

National Graphite Co. (See Patterson, Milton M.)

Patterson, Milton M., doing business as National Graphite Co., Los Angeles, Calif. National Peptized Graphite Oil. For Graphite Oil. 45,608; May 21.

Schreiber Brewing Company, Inc., Buffalo, N. Y. Schreiber's Ale. For Ale. 45,609; May 21.

Sibley-Almy Company, Inc., Olean, N. Y. Golden Cup. For Coffee. 45,610; May 21.

Sinco Cosmetics, Inc., New York, N. Y. Sinco Scented Deodorant. For Deodorant. 45,611; May 21.

Soap Lake Products Corporation, Seattle, Wash. Mother Nature Soap Lake Seltzer. For an Effervescent Compound of Natural Salts obtained by simple Evaporation. 45,612; May 21.

Soap Lake Products Corporation, Seattle, Wash. Mother Nature Soap Lake Spirit. For Liquid Concentrates of Mineral Waters. 45,613; May 21.

Solarine Company, Baltimore, Md. Jumbo. For Liquid Sodium Hypochlorite. 45,614; May 21.

Waxide Paper Company, Kansas City, Mo. Rye Bread a Different Flavor. For Rye Bread. 45,615; May 21.

LIST OF REGISTRANTS OF PRINTS

Gibbs Manufacturing Company, The, Canton, Ohio. A. V. A. For Deodorant Compound Particularly a Deodorant for Bath Rooms and Toilet Bowls. 15,150; May 21.

Goodrich, B. F., Company, The, Akron, Ohio. One Look at My Collection of Blow-Out Shots and You'd Never Gamble on Tires (Ad. No. GBC–47). For Rubber Tires. 15,151; May 21.

Maison Blanche Company, New Orleans, La. Timepay Plan. For Women's Dresses, Women's Coats, Women's Suits, Etc. 15,152; May 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Acetate, pyroxylin and phenol derivative, etc., Sheets of. Gemloid Corporation. 324,429; May 21; Serial No. 359,552; published Mar. 12, 1935.

Batting, Comfort. Taylor Bedding Mfg. Co. 324,410; May 21; Serial No. 360,649; published Mar. 12, 1935.

Coal. Clyde E. Speer Coal Co. 324,434; May 21; Serial No. 358,503; published Mar. 12, 1935.

Coal, Packages of prepared. Blue Ribbon Package Fuel Co. 324,527; May 21; Serial No. 359,270; published Mar. 12, 1935.

Graphite. Joseph Dixon Crucible Company. 324,415; May 21; Serial No. 360,515; published Mar. 12, 1935.

CLASS 2

Containers and wrappers, Cardboard and fibre. Brown & Williamson Tobacco Corporation. 324,620; May 21.

CLASS 3

Harness or saddlery hardware and hames. Steffens-Amberg Co. 103,803; renewed Apr. 13, 1935.

Purses, handbags, and pocketbooks, Ladies. Harlic Bag Co. 324,568; May 21; Serial No. 360,716; published Mar. 12, 1935.

CLASS 4

Cleaner, Dental plate. United Drug Company. 324,443; May 21; Serial No. 360,253; published Mar. 5, 1935.

Cleaner for furniture and automobile upholstery, traffic film remover and rubbing compound. Colorglo Products. 324,538; May 21; Serial No. 359,537; published Mar. 5, 1935.

Cleaner, Paste. Clean Surface Products Company. 324,534; May 21; Serial No. 349,709; published Mar. 5, 1935.

Cleaner, White shoe. Nu-Di Products Company. 324,449; May 21; Serial No. 360,240; published Mar. 5, 1935.

Detergent and polishing materials. M. A. Sherman. 324,444; May 21; Serial No. 358,408; published Mar. 5, 1935.

Powder, Washing. Los Angeles Soap Co. 105,942; renewed Aug. 31, 1935.

Shaving cream and soap. Treet Safety Razor Corporation. 324,589; May 21; Serial No. 359,735; published Mar. 5, 1935.

Soap. Los Angeles Soap Co. 105,943; renewed Aug. 31, 1935.

Soap, Toilet. Cudahy Packing Company. 105,836; renewed Aug. 24, 1935.

Soaps. Soap-Perfumes Limited. 324,595; May 21; Serial No. 355,871; published Feb. 26, 1935.

CLASS 6

Acid resistant preparation for etching half tone plates. E. Scherer. 324,605; May 21; Serial No. 359,961; published Mar. 5, 1935.

Alkaline diuretics. Ni-Tone Company. 324,451; May 21; Serial No. 360,237; published Mar. 12, 1935.

Ammonia, Clear and cloudy. Gristede Bros. Inc. 324,441; May 21; Serial No. 360,274; published Mar. 5, 1935.

Analgesic. L. E. Cope Products Co. 324,517; May 21; Serial No. 358,240; published Mar. 12, 1935.

Beeswax. Harrison Refining Co. 324,432; May 21; Serial No. 358,520; published Mar. 5, 1935.

Cod liver oil for medicinal purposes. B. Rizzotto. 324,529; May 21; Serial No. 359,242; published Mar. 5, 1935.

Compound for foot troubles, burns, etc. F. E. Newlon. 324,495; May 21; Serial No. 360,104; published Mar. 5, 1935.

Compound, Radiator stop leak. Federal Metallic Packing Company. 324,488; May 21; Serial No. 360,168; published Mar. 5, 1935.

Compound used for permanent hair waving. Nestle-Lemur Company. 324,439; May 21; Serial No. 360,289; published Mar. 12, 1935.

Cosmetics. E. L. Moseley. 324,600; May 21; Serial No. 359,923; published Mar. 12, 1935.

Cosmetics and depilatories. Joan Jewell, Inc. 324,525; May 21; Serial No. 359,307; published Mar. 5, 1935.

Deodorant. Kotex Company. 324,452; May 21; Serial No. 360,229; published Mar. 12, 1935.

Eye washes, skin tonics, astringents, etc. M. Colman. 324,595; May 21; Serial No. 355,963; published Mar. 5, 1935.

Hair tonic. Zulando, Inc. 324,494; May 21; Serial No. 360,116; published Mar. 5, 1935.

Insecticide. Central City Chemical Company. 324,466; May 21; Serial No. 320,251; published Jan. 5, 1932.

Insecticides. Ant-B-Gon Products Company. 324,546; May 21; Serial No. 359,102; published Mar. 5, 1935.

Insecticides. McCormick & Company. 324,487; May 21; Serial No. 360,178; published Mar. 5, 1935.

Liniment. George H. Rundle Company. 324,430; May 21; Serial No. 360,426; published Mar. 5, 1935.

Lipsticks, rouge and face powder. Savage, Inc. 324,508; May 21; Serial No. 357,352; published Mar. 5, 1935.

Lotion, Toilet. C. F. Ulrich. 324,507; May 21; Serial No. 357,311; published Mar. 5, 1935.

Lotion, Wave. R. H. Laird Manufacturing Company. 324,627; May 21.

Medicinal compound. C. C. Marshall. 324,597; May 21; Serial No. 359,891; published Mar. 12, 1935.

Medicinal preparation. Master Laboratories, Inc. 324,521; May 21; Serial No. 359,478; published Mar. 12, 1935.

Medicinal preparation in liquid form. M. A. Joffe. 324,485; May 21; Serial No. 322,485; published Mar. 12, 1935.

Medicine, Veterinary. C. D. Bell. 324,554; May 21; Serial No. 352,025; published Mar. 5, 1935.

Medicines, cosmetics and pharmaceutical preparations. Berg & Nathan Co. 324,514; May 21; Serial No. 358,119; published Mar. 12, 1935.

Moth and insecticide preventatives and disinfectants. M. H. Gemmill. 324,586; May 21; Serial No. 359,700; published Mar. 5, 1935.

Oil of wheat germ prepared for use in medicine. Vitamins Limited. 324,511; May 21; Serial No. 357,844; published Mar. 5, 1935.

Powder, Bath. R. Rapp. 104,367; renewed May 25, 1935.

Preparation for colds and headaches. Hinco Company. 324,509; May 21; Serial No. 357,661; published Mar. 5, 1935.

Preparation for combating vermin of animal and vegetable origin. Chemische Fabrik Marienfelde, G. m. b. H. 324,516; May 21; Serial No. 358,237; published Mar. 5, 1935.

Preparation for the removal of dandruff and the growth of hair. Superior Products, Inc. 324,515; May 21; Serial No. 358,163; published Mar. 12, 1935.

Preparation for the treatment of skin afflictions, eczema, etc. Therriault Products. 324,491; May 21; Serial No. 360,146; published Mar. 5, 1935.

Preparation for use in the treatment of conditions involving deficient utilization in the body of calcium and phosphorus. Parke, Davis & Company. 324,592; May 21; Serial No. 359,811; published Mar. 12, 1935.

Radiator stop leak compounds. Neveroll Bearing Company. 324,486; May 21; Serial No. 360,179; published Mar. 12, 1935.

Remedy for certain named ailments. L. E. Cash. 103,375; renewed Mar. 30, 1935.

Remedy for the liver. B. Brasel. 103,020; renewed Mar 16, 1935.

Rubbing alcohol, aspirin, petroleum jelly. Plough, Inc. 324,582; May 21; Serial No. 356,912; published Mar. 5, 1935.

Salve. Beach & Parker. 324,518; May 21; Serial No. 360,023; published Mar. 5, 1935.

Salve, Cole's carbolized. J. W. Cole Company. 324,464; May 21; Serial No. 352,032; published Mar. 5, 1935.

Starch, Laundry. Wesco Foods Company. 324,470; May 21; Serial No. 348,535; published Mar. 5, 1935.

Synthetic oil. Beck, Koller & Co. 324,454; May 21; Serial No. 360,202; published Mar. 12, 1935.

Therapeutic products. George A. Breon & Company. 324,530; May 21; Serial No. 359,205; published Mar. 5, 1935.

Therapeutic products. George A. Breon & Company. 324,541–4; May 21; Serial Nos. 359,201–4; published Mar. 5, 1935.

Tonic. V. T. Laboratories, Inc. 324,596; May 21; Serial No. 359,870; published Mar. 12, 1935.

CLASS 8

Cigarette containers. Saks & Company. 324,455; May 21; Serial No. 360,183; published Mar. 12, 1935.

CLASS 9

Ammunition. Peters Cartridge Company. 324,506; May 21; Serial No. 361,113; published Mar. 12, 1935.

CLASS 10

Fertilizer, Special. Gulf Fertilizer Company 324,583; May 21; Serial No. 356,622; published Mar. 12, 1935.

CLASS 12

Wall-coating, Liquid cement. Trussed Concrete Steel Company. 105,472; renewed July 27, 1935.

CLASS 13

Clips, Metal rug holder. J. W. Mumford. 324,461; May 21; Serial No. 352,324; published Mar. 12, 1935.

Closets and flush tanks, Combination. Universal Sanitary Manufacturing Co. 324,490; May 21; Serial No. 360,150; published Mar. 12, 1935.

Coffee pots and urns, Metal. Polar Ware Company. 324,540; May 21; Serial No. 359,631; published Mar. 12, 1935.

Fencing, Wire. Pittsburgh Steel Company. 324,623; May 21.

Hollowware, Metal kitchen and table. Bruce-Hunt, Inc. 324,457; May 21; Serial No. 353,423; published Mar. 12, 1935.

Metal tubes. Pittsburgh Steel Company. 324,624; May 21.

Metal ware, Copper, brass and nickel hollow. S. W. Farber. 103,751; renewed Apr. 13, 1935.

Nuts. Palnut Company. 324,612; May 21.

CLASS 14

Steel. W. J. Holliday & Co. 324,411; May 21; Serial No. 360,635; published Mar. 12, 1935.

CLASS 15

Fuel, Liquid. Shell Oil Company. 324,609–10; May 21; Serial Nos. 359,963–4; published Mar. 5, 1935.

Oil made from petroleum. Austin Oil Corporation. 324,406; May 21; Serial No. 360,521; published Mar. 12, 1935.

Oils, Lubricating. Socony-Vacuum Oil Company. 324,438; May 21; Serial No. 360,295; published Mar. 12, 1935.

Oils, Lubricating. Standard Oil Company of California. 324,404; May 21; Serial No. 360,553; published Mar. 12, 1935.

Oils made from petroleum. Standard Oil Company of New Jersey. 324,419; May 21; Serial No. 360,554; published Mar. 12, 1935.

CLASS 16

Coating or paint, Wall. J. W. Bullen. 324,496; May 21; Serial No. 360,089; published Mar. 5, 1935.
Coating solutions, Protective. Buffalo Cellulose Inc. 324,472; May 21; Serial No. 347,715; published Mar. 12, 1935.
Paint. Frank Bownes Company. 324,501; May 21; Serial No. 360,063; published Mar. 5, 1935.
Paint. T. W. Potter. 324,552; May 21; Serial No. 354,523; published Mar. 12, 1935.
Paints. Norfolk Paint & Varnish Company. 324,450; May 21; Serial No. 360,239; published Mar. 5, 1935.
Paints, lacquers, varnishes, etc. Sherwin-Williams Co. 324,587; May 21; Serial No. 359,705; published Mar. 5, 1935.
Paints, paint enamels, lacquers, etc. I. Kevelson. 324,440; May 21; Serial No. 360,282; published Mar. 5, 1935.
Polish, Liquid and wax. Stain-Ox Company. 324,526; May 21; Serial No. 359,283; published Mar. 5, 1935.
Putty, paste, paint, etc., Glazier's. N. V. tot Voortz. der zaken van Pleter Schoen & Zoon. 324,608; May 21; Serial No. 340,505; published Mar. 12, 1935.

CLASS 17

Cigarettes. American Tobacco Company. 324,528; May 21; Serial No. 359,265; published Mar. 12, 1935.
Tobacco, cigars and cigarettes, Smoking. American Tobacco Company. 324,576; May 21; Serial No. 360,697; published Mar. 12, 1935.
Tobacco, Smoking. American Tobacco Company. 324,577; May 21; Serial No. 360,696; published Mar. 12, 1935.

CLASS 19

Cycles, motor-cycles, and side cars for use with motor-cycles. John Marston, Limited. 103,857; renewed Apr. 20, 1935.

CLASS 21

Batteries, Storage. Monark Battery Company. 324,616; May 21.
Electric lighting fixtures. Markel Electric Products, Inc. 324,437; May 21; Serial No. 360,365; published Mar. 12, 1935.
Flashlight, Electrical. United States Electric Mfg. Corp. 324,539; May 21; Serial No. 359,638; published Mar. 12, 1935.
Heaters, electrically operated liquid heaters, etc., Transformer coupled induction electric. Delshire Corporation. 324,614; May 21.

CLASS 22

Amusement apparatus. Exhibit Supply Company. 324,479; May 21; Serial Nos. 361,001–2; published Mar. 12, 1935.
Amusement apparatus. Genco, Inc. 324,478; May 21; Serial No. 361,010; published Mar. 12, 1935.
Amusement apparatus, Coin controlled. J. F. Meyer. 324,621; May 21.
Fishing reels. Enterprise Manufacturing Company. 324,481; May 21; Serial No. 360,999; published Mar. 12, 1935.
Game of the quoit type. American Cone & Pretzel Company. 324,485; May 21; Serial No. 360,818; published Mar. 12, 1935.
Game, Table. Chocard Company. 324,453; May 21; Serial No. 360,213; published Mar. 12, 1935.
Toy airplane kits and model airplanes and toy spinning tops. Model and. Donald F. Duncan, Inc. 324,482; May 21; Serial No. 360,952; published Mar. 12, 1935.

CLASS 23

Cleaners and parts, Domestic suction. Scott and Fetzer Company. 324,636; May 21.
Cutlery. National Silver Company. 324,536; May 21; Serial No. 359,587; published Mar. 12, 1935.
Machines for protecting bank checks, etc. Safeguard, Inc. 324,416; May 21; Serial No. 360,606; published Mar. 12, 1935.
Pumps and compressors, Air. Du Page Engineering Co. 324,615; May 21.
Razor blades, Safety. Cooper & Cooper, Inc. 324,569–72; May 21; Serial Nos. 360,706–9; published Mar. 12, 1935.
Razor blades, Safety. Cooper & Cooper, Inc. 324,573–4; May 21; Serial Nos. 360,703–4; published Mar. 12, 1935.
Sewing machines and sewing machine attachments and supplies. Singer Manufacturing Company. 12,396; re-renewed July 7, 1935.
Tractors. Fate-Root-Heath Company. 324,591; May 21; Serial No. 359,787; published Mar. 12, 1935.
Writing machines. American Writing Machine Company. 12,147; re-renewed Apr. 21, 1935.
Writing machines. American Writing Machine Company. 12,168; re-renewed Apr. 21, 1935.

CLASS 24

Ironing board cover set. Household Paper Products. 324,613; May 21.
Washboards. National Washboard Company. 103,471–2; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,474; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,476; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,478; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,480; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,482 3; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,486–92; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,495; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,497–8; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,500–1; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,503; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,505–12; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,516–17; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,519–23; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,525; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,538; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 103,540–1; renewed Apr. 6, 1935.
Washboards. National Washboard Company. 104,335; renewed May 18, 1935.

CLASS 26

Cinematographic projectors, cameras, stereopticons, slides, lanterns, etc. Victor Animatagraph Corporation. 324,446; May 21; Serial No. 332,901; published Oct. 17, 1933.
Magnifying glasses. K. G. Frank. 324,503; May 21; Serial No. 360,028; published Mar. 12, 1935.
Patterns for garments, Paper. New York Pattern Company. 324,495; May 21; Serial No. 360,139; published Mar. 12, 1935.
Viscosity indicating and controlling instruments. Sterling Engine Company. 324,483; May 21; Serial No. 360,862; published Mar. 12, 1935.

CLASS 28

Scarf pins, necklaces, lavallières, etc. R. H. Macy & Co. 104,071; renewed Apr. 27, 1935.

CLASS 32

Cushions, Hair felt carpet and seat. American Hair & Felt Company. 324,578–9; May 21; Serial Nos. 360,694–5; published Mar. 12, 1935.

CLASS 34

Air conditioners and air heating units. Wood Hydraulic Hoist and Body Company. 324,447; May 21; Serial No. 353,870; published Mar. 12, 1935.
Lighters, Automatic cigar and cigarette. B. Löwenthal. 324,424; May 21; Serial No. 358,885; published Mar. 12, 1935.

CLASS 35

Gaskets. Victor Manufacturing & Gasket Co. 324,425; May 21; Serial No. 358,801; published Mar. 12, 1935.
Rubber inner tubes for tires. United States Rubber Company. 324,588; May 21; Serial No. 359,710; published Mar. 12, 1935.
Tires, Automobile. Sears, Roebuck and Co. 324,484; May 21; Serial No. 360,859; published Mar. 12, 1935.

CLASS 36

Harmonicas. M. Zwiebel. 324,408; May 21; Serial No. 360,659; published Mar. 12, 1935.
Musical instruments. Targ and Dinner, Inc. 324,445; May 21; Serial No. 358,304; published Mar. 12, 1935.

CLASS 37

Binders, Loose leaf. Hall & McChesney, Inc. 324,459; May 21; Serial No. 353,006; published Mar. 12, 1935.
Crayons. Binney & Smith Company. 104,814; renewed June 15, 1935.
Paper, bond, and typewriter paper, Duplicating. Oregon Pulp and Paper Company. 324,492; May 21; Serial No. 360,141; published Mar. 5, 1935.
Paper impregnated or coated. Mantle Lamp Company of America. 324,531; May 21; Serial No. 350,343; published Mar. 5, 1935.
Paper towels and napkins. Central Paper Company. 106,064; renewed Sept. 28, 1935.
Paper, Wrapping. Rhinelander Paper Company. 324,418; May 21; Serial No. 360,561; published Mar. 5, 1935.
Paper and envelopes, card boards, etc., Writing, printing, ledger, etc. United States Envelope Company. 324,409; May 21; Serial No. 360,652; published Mar. 5, 1935.
Papers, Books and announcement. Bradner Smith & Company. 324,580; May 21; Serial No. 349,608; published July 10, 1934.

Tape, Gummed paper. Western Waxed Paper Company. 324,602; May 21; Serial No. 359,933; published Mar. 12, 1935.

CLASS 38

Almanacs. James Talcott, Inc. 324,436; May 21; Serial No. 360,382; published Mar. 12, 1935.
Column of a newspaper or magazine and for booklets. J. F. Montague. 324,551; May 21; Serial No. 354,692; published Mar. 12, 1935.
Column of a newspaper or magazine, etc. J. F. Montague. 324,553; May 21; Serial No. 354,690; published Mar. 5, 1935.
Drawings, Comic. United Feature Syndicate, Inc. 324,549; May 21; Serial No. 359,016; published Mar. 12, 1935.
Newspaper articles. G. H. Ruth. 324,510; May 21; Serial No. 357,836; published Mar. 5, 1935.
Newspaper section. King Features Syndicate, Inc. 324,417; May 21; Serial No. 360,593; published Mar. 5, 1935.
Periodical. Credit Publishing Company. 324,603; May 21; Serial No. 359,947; published Mar. 12, 1935.
Periodical, Printed. Duart Manufacturing Company. 324,567; May 21; Serial No. 360,717; published Mar. 5, 1935.
Periodical publications. Rotary International. 324,563; May 21; Serial No. 360,701; published Mar. 5, 1935.
Periodicals. Massachusetts Chiropody Association. 324,560; May 21; Serial No. 350,640; published Mar. 5, 1935.
Photographic prints. Thrifty Drug Co. Ltd. 324,448; May 21; Serial No. 360,252; published Mar. 12, 1935.
Publication. Dell Publishing Company. 324,604; May 21; Serial No. 355,612; published Nov. 13, 1934.
Publication. Quigley Publishing Company. 324,420; May 21; Serial No. 360,481–8; published Mar. 12, 1935.
Publication. Quigley Publishing Company. 324,428; May 21; Serial No. 360,487; published Mar. 12, 1935.
Publication. Tower Town Topics, Inc. 324,564; May 21; Serial No. 360,739; published Mar. 5, 1935.
Publication, Weekly financial. Ticker Publishing Company. 105,879; renewed Aug. 24, 1935.
Sketches of designs and details for furniture, etc. G. J. Pike. 324,566; May 21; Serial No. 360,724; published Mar. 5, 1935.

CLASS 39

Caps and hats. Tray & Novelty Corporation. 324,535; May 21; Serial No. 359,245; published Mar. 19, 1935.
Clothing, Children's. Standard Romper Co. 324,548; May 21; Serial No. 359,058; published Mar. 12, 1935.
Clothing, Men's. Hammonton Park Clothes, Inc. 324,606; May 21; Serial No. 359,953; published Mar. 5, 1935.
Clothing, Men's. Tavendale, Inc. 324,519; May 21; Serial No. 359,527; published Mar. 12, 1935.
Clothing, Men's and boys'. B. Beekman. 324,537; May 21; Serial No. 359,567; published Mar. 12, 1935.
Coats, suits, etc., Misses' and ladies'. Sidney Kleinfield & Co. 324,622; May 21.
Dresses. V. Vaskov. 324,489; May 21; Serial No. 360,152; published Mar. 5, 1935.
Dresses, coats and suits, Women's. Germaine Monteil, Inc. 324,594; May 21; Serial No. 359,849; published Mar. 5, 1935.
Dresses, smocks, aprons, etc. La Mode Garment Company. 324,547; May 21; Serial No. 359,133; published Mar. 5, 1935.
Hat bodies and hoods for women. Roden, Inc. 324,632; May 21.
Hosiery. Interwoven Stocking Company. 105,661; renewed August 10, 1935.
Hosiery. Massachusetts Knitting Mills. 324,633; May 21.
Hosiery. Windsor Mills, Inc. 324,414; May 21; Serial No. 360,612; published Mar. 5, 1935.
Hosiery and lingerie. Silver Lady Hosiery Co. 324,421; May 21; Serial No. 358,951; published Mar. 5, 1935.
Hosiery for women. Cooper, Wells & Company. 324,520; May 21; Serial No. 359,508; published Mar. 12, 1935.
Hosiery, Ladies' silk. May Department Stores Company. 324,435; May 21; Serial No. 358,441; published Mar. 5, 1935.
Neckties, cravats and scarfs. Cohan, Roth & Stiffson. 324,590; May 21; Serial No. 359,780; published Mar. 5, 1935.
Shirts and boys' blouses, Men's and boys'. Elder Manufacturing Company. 324,625; May 21.
Shirts and collars, Negligee. Manhattan Shirt Co. 324,565; May 21; Serial No. 360,726; published Mar. 5, 1935.
Shirts, pajamas, and shorts, Men's. E. Jacobson & Sons. 324,500; May 21; Serial No. 360,069; published Mar. 5, 1935.
Shoes. A. E. Nettleton Company. 324,635; May 21.
Suits, overalls, and jackets, Men's and boys'. Chicago Mail Order Company. 324,407; May 21; Serial No. 360,664; published Mar. 12, 1935.
Underwear, Knit. J. J. Byron. 104,142; renewed May 4, 1935.

CLASS 42

Cotton piece goods. Grinnell Willis & Co. 103,099; renewed Mar. 16, 1935.
Cotton piece goods. Grinnell Willis & Co. 103,163; renewed Mar. 16, 1935.
Cotton piece goods. Tootal Broadhurst Lee Company. 104,917; renewed June 22, 1935.

CLASS 44

Applicator, Medicinal jelly. J. C. Smith. 324,498; May 21; Serial No. 360,085; published Mar. 12, 1935.
Arch supports and appliances for the relief of corns, etc. Scholl Mfg. Co. Inc. 324,499; May 21; Serial No. 360,079; published Mar. 12, 1935.
Facial devices. E. H. Brinsmade. 324,545; May 21; Serial No. 359,170; published Mar. 12, 1935.
Inhalers, Balsam breath filter. Hagen Import Company. 324,637; May 21.
Manicure files, picks, and pushers, etc. General Cutlery Corporation. 324,513; May 21; Serial No. 357,948; published Mar. 12, 1935.
Prophylactic rubber articles. W. H. Reed. 324,502; May 21; Serial No. 360,043; published Mar. 12, 1935.
Therapeutic devices, Electric. Dr. F. Urbutelt. 324,601; May 21; Serial No. 355,691; published Mar. 12, 1935.
Toothpicks, Wooden. International Mfg. Co. 103,388; renewed Mar. 30, 1935.

CLASS 45

Gin. Pacific Liquor Co. 324,618; May 21.

CLASS 46

Biscuit. Loose-Wiles Biscuit Company. 104,391; renewed May 25, 1935.
Biscuit. Loose-Wiles Biscuit Company. 104,621; renewed June 8, 1935.
Biscuit. Loose-Wiles Biscuit Company. 105,070; renewed July 6, 1935.
Bread. Atlantic Baking Company. 324,585; May 21; Serial No. 359,645; published Mar. 12, 1935.
Butter. Blue Valley Creamery Company. 103,747; renewed Apr. 13, 1935.
Cakes and crackers. Loose-Wiles Biscuit Company. 104,620; renewed June 8, 1935.
Cakes commonly called snaps. Loose-Wiles Biscuit Company. 104,619; renewed June 8, 1935.
Candies. Sisco Brothers. 105,877; renewed Aug. 24, 1935.
Candies, Chocolate. Great Atlantic & Pacific Tea Company. 324,427; May 21; Serial No. 358,582; published Mar. 12, 1935.
Candy. Paul F. Beich Company. 324,458; May 21; Serial No. 353,316; published Aug. 21, 1934.
Candy. Diament Inc. 324,412; May 21; Serial No. 360,628; published Mar. 12, 1935.
Candy figs. Loose-Wiles Biscuit Company. 105,069; renewed July 6, 1935.
Candy, Stick. Loose-Wiles Biscuit Company. 104,332; renewed May 18, 1935.
Canned corn. Minnesota Valley Canning Company. 324,463; May 21; Serial No. 352,093; published Mar. 12, 1935.
Canned evaporated milk. Mt. Vernon Cream Co. 104,627; renewed June 8, 1935.
Canned youngberries. Seeman Brothers, Inc. 324,497; May 21; Serial No. 360,082; published Mar. 12, 1935.
Coffee. E. M. Swing. 324,504; May 21; Serial No. 360,504; published Mar. 12, 1935.
Coffee. Weideman Co. 324,505; May 21; Serial No. 360,509; published Mar. 12, 1935.
Crackers and cookies. Cincinnati Cake & Specialty Company. 324,474; May 21; Serial No. 347,494; published Mar. 12, 1935.
Feed, Animal and live stock. A. C. Knight. 324,431; May 21; Serial No. 360,411; published Mar. 12, 1935.
Feed, Poultry. Albert Dickinson Company. 105,293; renewed July 13, 1935.
Feeds, Stock and poultry. Philip R. Park, Inc. 324,422–3; May 21; Serial No. 358,946–7; published Mar. 12, 1935.
Flour, Wheat. Lawrenceburg Roller Mills Co. 106,002; renewed Sept. 14, 1935.
Food, Prepared breakfast. E. M. Forshee. 324,462; May 21; Serial No. 352,136; published Sept. 4, 1934.
Food products. Wiskind Bros., Inc. 324,524; May 21; Serial No. 359,415; published Mar. 12, 1935.
Foods, Parsons & Scoville Co. 103,328; renewed Mar. 30, 1935.
Fruits, Preserved. Liberty Cherry & Fruit Co. 324,607; May 21; Serial No. 355,483; published Mar. 12, 1935.
Gum, Chewing. National Chicle Company. 324,559; May 21; Serial No. 351,275; published June 19, 1934.
Ice cream and frozen confections. Frozen Confections, Inc. 324,405; May 21; Serial No. 360,533; published Mar. 12, 1935.
Milk and cream, Fluid. Borden's Farm Products Company. 324,575; May 21; Serial No. 360,698; published Mar. 12, 1935.
Milk, cream, butter and cheese. Sparks Dairy, Inc. 324,476; May 21; Serial No. 346,382; published Mar. 12, 1935.
Potatoes, Fresh. Red River Potato Company. 324,512; May 21; Serial No. 357,922; published Mar. 12, 1935.
Salt. Morton Salt Company. 103,537; renewed Mar. 30, 1935.
Shortening. Procter & Gamble Company. 324,562; May 21; Serial No. 360,787; published Mar. 12, 1935.

Sugar. Compañia Azucarera de Guines. 324,533; May 21; Serial No. 349,968; published June 26, 1934.
Sugar, maple syrup, honey and maple sugar candy, Maple. Natural Syrup Products, Inc. 324,619; May 21.
Syrup and molasses, Cane. American Molasses Co. of New York. 324,599; May 21; Serial No. 359,902; published Mar. 12, 1935.
Vegetables, citrus fruits, deciduous fruits, etc., Fresh. S. Andrews. 324,433; May 21; Serial No. 360,393; published Mar. 12, 1935.

CLASS 47

Sherry. M. Coulon. 324,584; May 21; Serial No. 356,297; published Mar. 12, 1935.
Wines. J. Calvet & Cie., S. A. R. L. 324,532; May 21; Serial No. 350,175; published Mar. 12, 1935.
Wines. Domenico Anghileri. 324,456; May 21; Serial No. 353,837; published Mar. 12, 1935.
Wines. Fruit Industries, Ltd. 324,639; May 21.
Wines. Growers Wine Company. 324,581; May 21; Serial No. 349,132; published Aug. 14, 1934.
Wines. Maison F. Chauvenet, S. A. 324,473; May 21; Serial No. 347,615; published Sept. 4, 1934.
Wines. Penfolds Wines Limited. 324,630; May 21.
Wines. Williams Brothers. 324,555; May 21; Serial No. 351,595; published Aug. 21, 1934.

CLASS 48

Ale. National Breweries, Limited. 324,426; May 21; Serial No. 358,683; published Mar. 12, 1935.
Ale. National Breweries, Limited. 324,522; May 21; Serial No. 359,436; published Mar. 12, 1935.
Beer. Carondelet Brewing Company. 324,475; May 21; Serial No. 346,679; published Apr. 3, 1934.
Beer. Frontenac Breweries, Limited. 324,442; May 21; Serial No. 358,433; published Mar. 12, 1935.
Beer. Northampton Brewery Corporation. 324,477; May 21; Serial No. 361,058; published Mar. 12, 1935.
Malt beverages. Kings Brewery Inc. 324,611; May 21; Serial No. 337,121; published Sept. 19, 1933.
Preparations for creaming ale and beer. Frederick Stearns & Co. 324,593; May 21; Serial No. 359,816; published Mar. 12, 1935.
Stout. National Breweries, Limited. 324,523; May 21; Serial No. 359,434; published Mar. 12, 1935.

CLASS 49

Alcohol, Ethyl. Rossville Commercial Alcohol Corporation. 324,550; May 21; Serial No. 354,870; published Oct. 30, 1934.
Applejack. Schwarz & Son Wine & Liquor Co. 324,640; May 21.
Brandy. Etablissements E. Bigeon Inc. 324,631; May 21.
Brandy and cognac. Etablissements E. Bigeon Inc. 324,629; May 21.
Cognac. Lateltin A. G. 324,617; May 21.
Gin, whiskey and brandy. Platten Brothers. 324,634; May 21.
Gin, whiskey, rum and brandy. J. J. Sullivan. 324,628; May 21.
Rum. Societe Anonyme des Rhums Chauvet & de la Compagnie des Antilles. 324,460; May 21; Serial No. 353,042; published July 31, 1934.
Whiskey. Henry Kelley & Sons, Inc. 324,626; May 21.
Whiskey. Lawrence & Company. 324,471; May 21; Serial No. 348,494; published May 1, 1934.
Whiskey. Penn-Maryland, Inc. 324,557; May 21; Serial No. 351,521; published June 26, 1934.
Whiskey. Philip Blum & Co. 324,556; May 21; Serial No. 351,542; published June 26, 1934.
Whiskey. Ramshead Distilling Co. 324,558; May 21; Serial No. 351,330; published June 19, 1934.
Whiskey. K. Taylor Distilling Co. Inc. 324,469; May 21; Serial No. 348,617; published July 10, 1934.
Whiskey. J. G. Thomson and Company, Limited. 324,468; May 21; Serial No. 348,618; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Oldetyme Distillers, Inc. 324,467; May 21; Serial No. 348,657; published Apr. 17, 1934.
Whisky. John Gillon & Co. 324,561; May 21; Serial No. 350,459; published May 29, 1934.

CLASS 50

Artificial leather. Asher & Boretz, Inc. 324,638; May 21.
Artificial leather. Brown Company. 324,413; May 21; Serial No. 360,620; published Mar. 12, 1935.

LIST OF LABELS

A. V. A. For Deodorant Compound, Particularly a Deodorant for Bath Rooms and Toilet Bowls. Gibbs Manufacturing Company. 45,597; May 21.
Bailey's Herb-Lax Tea. For a Medicinal Tea Prepared from Herbs, Roots, Barks, Seeds, and Leaves. J. C. Bailey. 45,587; May 21.
Berghoff Beer (Body Label). For Beer. Berghoff Brewing Corporation. 45,589; May 21.
Berghoff Keg Beer (Neck Label). For Beer. Berghoff Brewing Corporation. 45,588; May 21.
Berghoff Picnic Beer (Body Label). For Beer. Berghoff Brewing Corporation. 45,590; May 21.
Borden's Chocolate Flavored Drink. For a Chocolate Flavored Drink. Borden's Farm Products Company. 45,592; May 21.
Borden's Pasteurized Grade B Cream. For Pasteurized Grade B Cream. Borden's Farm Products Company. 45,591; May 21.
Diamond Hair Net. For Hair Nets. Mail-Well Envelope Company. 45,605; May 21.
Edgemont Smacks. For Butter Wafers. Loose-Wiles Biscuit Company. 45,604; May 21.
Golden Cup. For Coffee. Sibley-Almy Company. 45,610; May 21.
Jumbo. For Liquid Sodium Hypochlorite. Solarine Company. 45,614; May 21.
Junket Mix for Making Ice Cream. For Ice Cream Mix. Chr. Hansen's Laboratory, Inc. 45,599; May 21.
King's Pride. For Distilled Dry Gin. King Distributing Company. 45,602; May 21.
King's Pride. For Straight Whiskey. King Distributing Company. 45,601; May 21.
London. For Belts. Globe Novelty House, Inc. 45,598; May 21.
Manor. For Bread. P. D. Archer. 45,585; May 21.
Midnites. For Licorice Confections. John Mueller Licorice Company. 45,607; May 21.
Mother Nature Soap Lake Seltzer. For an Effervescent Company of Natural Salts Obtained by Simple Evaporation. Soap Lake Products Corporation. 45,612; May 21.
Mother Nature Soap Lake Spirit. For Liquid Concentrates of Mineral Waters. Soap Lake Products Corporation. 45,613; May 21.
Mrs. Stewart's Concentrated Liquid Bluing. For Concentrated Liquid Bluing. Luther Ford & Co. 45,596; May 21.
National Peptized Graphite Oil. For Graphite Oil. M. M. Patterson. 45,608; May 21.
Natty-Lee Cuffs. For Cuffs for Use in the Office, Store, and Home. Leon Laboratories. 45,603; May 21.
Planat. For Cognac. Thomas J. Molloy & Co. Inc. 45,606; May 21.
Raki. For Raki. Arrow Distilleries, Incorporated. 45,586; May 21.
Relaxation-Foot Powder—For People In All Walks of Life. For Preparation for the Feet. Allen Chemical Co. Inc. 45,583; May 21.
Rold Gold Pretzel Toss. For a Game of the Quoit Type. American Cone & Pretzel Company. 45,584; May 21.
Rye Bread a Different Flavor. For Rye Bread. Waxide Paper Company. 45,615; May 21.
S. W. K. For a Chemical Compound for the Treatment of Wounds Infected with Screw Worms and for the Extinction of Screw Worms. L. O. Dasher. 45,594; May 21.
Schreiber's Ale. For Ale. Schreiber Brewing Company. 45,609; May 21.
7 Piece Household Set. For Household Cutlery Sets. Federal Cutlery Co. 45,595; May 21.
Sinco Scented Deodorant. For Deodorant. Sinco Cosmetics, Inc. 45,611; May 21.
Special Notice: For a Chemical Compound for the Treatment of Wounds Infected with Screw Worms and for Extinction of Screw Worms. L. O. Dasher. 45,593; May 21.
Ten Junket Tablets. For a Preparation for Making Desserts from Milk. Chr. Hansen's Laboratory, Inc. 45,600; May 21.

LIST OF PRINTS

A. V. A. For Deodorant Compound, Particularly a Deodorant for Bath Rooms and Toilet Bowls. Gibbs Manufacturing Company. 15,150; May 21.
One Look at My Collection of Blow-Out Shots and You'd Never Gamble on Tires (Ad. No. GBC-47). For Rubber Tires. B. F. Goodrich Company. 15,151; May 21.
Timepay Plan. For Women's Dresses, Women's Coats, Women's Suits, Etc. Maison Blanche Company. 15,152; May 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Activated Sludge, Inc. (See Jones, Walter, assignor.)
Consolidated Advertising Corp. (See Salcedo, Ferdinand G., assignor.)
Decker, James W., New York, N. Y. Stock quotation projection machine and feeding tape therethrough. 19,572; May 21.
De Roode, Trimble, New York, N. Y. Sleeping car. 19,585; May 21.
De Roode, Trimble, New York, N. Y. Sleeping car. 19,586; May 21.
Economy Fuse and Manufacturing Company. (See Stone, Jesse, assignor.)
Finch, William G. H., Washington, D. C. Image broadcasting system. 19,575; May 21.
Haupt, Hans, Berlin, Germany. Telescopic umbrella. 19,576; May 21.
Jones, Walter, deceased, Stourbridge, England, by Activated Sludge, Inc., Chicago, Ill., assignee. Purification of sewage and other liquids. 19,577; May 21.
Justheim, Clarence I., Salt Lake City, Utah. Venturi tube. 19,581; May 21.
Latona, Gaetano, et al. (See Ricci, Leonardo, assignor.)
Posati, Amerigo, et al. (See Ricci, Leonardo, assignor.)
Prussing, Walter, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Automatic tube finishing and advancing machine. 19,578; May 21.
Radio Corporation of America. (See Yagle, Theodore F., assignor.)
Ricci, Leonardo, New Kensington, Pa., assignor of ten per cent to G. Latona and three per cent to A. Posati, Arnold Borough, Westmoreland County, Pa. All metal tire cover. 19,582; May 21.
Roethel, John H., Detroit, Mich. Window control mechanism. 19,579; May 21.
Rothholz, Louis, New York, N. Y. Plate glass transporting truck. 19,580; May 21.
Salcedo, Ferdinand G., Hollywood, Calif., assignor to Consolidated Advertising Corp., Ltd., Los Angeles, Calif. Sound reproducing apparatus for advertising purposes. 19,583; May 21.
Stone, Jesse, Pittsburgh, Pa., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Safety fuse device. 19,584; May 21.
Victor Metal Products Corporation. (See Prussing, Walter, assignor.)
Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Liquid fuel feeding device and safety mechanism in connection therewith. 19,573; May 21.
Yagle, Theodore F., Philadelphia, Pa., assignor to Radio Corporation of America, New York, N. Y. Projection screen. 19,574; May 21.

LIST OF DESIGN PATENTEES

Adams, Frank D. (See Paine, E. E., and Adams.)
Allen, John E. (See Balthazar, A., and Allen.)
Balthazar, Arthur, and J. E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn. Tire. 95,622; May 21.
Balthazar, Arthur, and J. E. Allen, Chicopee Falls, Mass. assignors to Gamble Stores, Inc., Minneapolis, Minn. Tire. 95,623; May 21.
Balthazar, Arthur, and J. E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn. Tire. 95,624; May 21.
Balthazar, Arthur, and J. E. Allen, Chicopee Falls, Mass, assignors to Gamble Stores, Inc., Minneapolis, Minn. Tire. 95,625; May 21.
Baum, Louis, New York, N. Y. Ensemble dress. 95,626; May 21.
Belmont Casket Mfg. Company, The. (See Neff, Harry A., assignor.)
Binks Manufacturing Company. (See Wahlin, Fritz, assignor.)
Bisbey, Charles E., Metaline Falls, Wash. Recipe cabinet. 95,627; May 21.
Bradley, Everett, Haverhill, Mass. Shoe. 95,628; May 21.
Bressler, Albert M., New York, N. Y. Shoe. 95,629; May 21.
Brietman, Samuel, Chelsea, Mass. Shoe or article of analogous nature. 95,630; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,631; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,632; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,633; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,634; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,635; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,636; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,637; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,638; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,639; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,640; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,641; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,642; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,643; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,644; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,645; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,646; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,647; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,648; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,649; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,650; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,651; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,652; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,653; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,654; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,655; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,656; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,657; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,658; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,659; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,660; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,661; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,662; May 21.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,663; May 21.
Carrier, George B., Hudson, Mass., assignor to Firestone Footwear Company, Boston, Mass. Sandal. 95,664; May 21.
Closure Service Company, The. (See Fuerst, Edwin W., assignor.)
Crandall, Mildred, Dunkirk, N. Y., assignor to Van Raalte Company, Inc., New York, N. Y. Glove. 95,665; May 21.
Crawford, Edith L., Bronxville, N. Y. Game board. 95,666; May 21.
Debski, Frank. (See Frankl, Paul T., assignor.)
Decal Products Company, The. (See Kane, Bernard N., assignor.)
Dickerson, Bert A., assignor to Faries Manufacturing Company, Decatur, Ill. Lamp. 95,667; May 21.
Dickerson, Bert A., assignor to Faries Manufacturing Company, Decatur, Ill. Lamp. 95,668; May 21.

Dicksen, Ralph A., assignor to Sola Electric Co., Chicago, Ill. Transformer casing. 95,669; May 21.
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Eastern Trimming & Cord Co. (See Libou, Samuel, assignor.)
Faries Manufacturing Company. (See Dickerson, Bert A., assignor.)
Fassin, Gustave, Irondequoit, N. Y. Microscope. 95,670; May 21.
Firestone Footwear Company. (See Carrier, George B., assignor.)
Fox, Maud C. (See Scott, I. G., and Fox.)
Frankl, Paul T., Los Angeles, Calif., assignor to F. Debski, New York, N. Y. Chaise longue. 95,671; May 21.
Fuerst, Brooks D., Toledo, Ohio, assignor to United Distillers (of America) Ltd., Baltimore, Md. Bottle. 95,672; May 21.
Fuerst, Edwin W., Toledo, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Siphon head. 95,673; May 21.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 95,674; May 21.
Fuerst, Edwin W., assignor to The Closure Service Company, Toledo, Ohio. Bottle closure. 95,675; May 21.
Gamble Stores, Inc. (See Balthazar, A., and Allen, assignors.)
Gastel, Maria H., Los Angeles, Calif. Candle. 95,676; May 21.
Geist, Irving, New York, N. Y. Blouse. 95,677; May 21.
Gentner, Frederick, assignor to The North American Lace Company, Inc., Philadelphia, Pa. Curtain. 95,678; May 21.
Golding, Jacob M., Long Island, N. Y. Lace. 95,679; May 21.
Goodkind, Leo, Woodmere, N. Y. Sandal. 95,680; May 21.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Clip for a fountain pen or similar article. 95,681; May 21.
Harris, Herbert H., New York, N. Y. Bottle or similar article. 95,682; May 21.
Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 95,683; May 21.
Hessberg, Irving K., assignor to Van Raalte Company, Inc., New York, N. Y. Glove. 95,684; May 21.
Heyer, Don, assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Electrically-driven variable speed power unit. 95,685; May 21.
Howel, Clayton J., Chicago, Ill. Bottle. 95,686; May 21.
Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Heating stove. 95,687; May 21.
Hurtig, Albert, St. Louis, Mo., assignor to The G. Edwin Smith Shoe Company, Columbus, Ohio. Shoe. 95,688; May 21.
International Silver Company. (See Helander, Lillian V. M., assignor.)
Kane, Bernard N., assignor to The Decal Products Company, East Liverpool, Ohio. Plate or similar article. 95,689; May 21.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Koomrulan, Harry, New York, N. Y. Sandal. 95,690; May 21.
Kosta, Charles, New York, N. Y. Shoe. 95,691; May 21.
Kramer, William, Richmond Hill, N. Y. Toy model ships hull. 95,692; May 21.
Levin, David, New York, N. Y. Shoe. 95,693; May 21.
Lewis, Florence N., New York, N. Y. Pocketbook. 95,694; May 21.
Libou, Samuel, assignor to Eastern Trimming & Cord Co., Inc., New York, N. Y. Curtain. 95,695; May 21.
Libou, Samuel, assignor to Eastern Trimming & Cord Co., Inc., New York, N. Y. Curtain. 95,696; May 21.
McClellan, Fred C., Chicago, Ill. Amusement game cabinet. 95,697; May 21.
Milliken, Vincent D., St. Joseph, Mich. Adjustable mirror frame and support therefor. 95,698; May 21.
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Morrill, Leslie A., Bradford, Mass. Shoe. 95,699; May 21.
Neff, Harry A., Bellaire, Ohio, assignor to The Belmont Casket Mfg. Company, Columbus, Ohio. Casket. 95,700; May 21.
Neff, Harry A., Bellaire, Ohio, assignor to The Belmont Casket Mfg. Company, Columbus, Ohio. Casket. 95,701; May 21.
Nineteen Hundred Corporation. (See Teague, Walter D., assignor.)
North American Lace Company, The. (See Gentner, Frederick, assignor.)
Nu-Shine Company. (See Richardson, Robert P., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Paine, Enoch E., and F. D. Adams, Cleveland Heights, Ohio, assignors to The Paine & Williams Company, Cleveland, Ohio. Floor mat. 95,702; May 21.
Paine & Williams Company, The. (See Paine, E. E., and Adams.)
Reeves Manufacturing Company, The. (See Hunker, Martin L., assignor.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richardson, Robert P., Reidville, N. C., assignor to Nu-Shine Company, Rockingham, N. C. Bottle. 95,703; May 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,704; May 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,705; May 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,706; May 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,707; May 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,708; May 21.
Schnittman, Pauline, New York, N. Y. Negligee. 95,709; May 21.
Scott, Irving G., and M. C. Fox, New York, N. Y. Combined flower stand and holder. 95,710; May 21.
Shapiro, Samuel, New York, N. Y. Leather. 95,711; May 21.
Silverstein, Irene F., St. Albans, N. Y. Laundry bag or similar article. 95,712; May 21.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 95,713; May 21.
Sisselman, Abraham, New York, N. Y. Lady's coat. 95,714; May 21.
Smith, G. Edwin, Shoe Company, The. (See Hurtig, Albert, assignor.)
Sola Electric Co. (See Dicksen, Ralph A., assignor.)
Teague, Walter D., Forest Hills, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Combined wringer and casing for domestic washing machines. 95,715; May 21.
Teague, Walter D., Forest Hills, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Casing for a combined washing machine and drier. 95,716; May 21.
United Distillers (of America) Ltd. (See Fuerst, Brooks D., assignor.)
United States Electrical Manufacturing Company. (See Heyer, Don, assignor.)
Van Raalte Company. (See Crandall, Mildred, assignor.)
Van Raalte Company. (See Hessberg, Irving K., assignor.)
Vernon, Fred L., Newton, Iowa. Push guard. 95,717; May 21.
Voigt, Alexander E., Philadelphia, Pa. Automobile body. 95,718; May 21.
Wahlin, Fritz, assignor to Binks Manufacturing Company, Chicago, Ill. Spray gun. 95,719; May 21.
Weber, Max, Chicago, Ill. Air circulator. 95,720; May 21.
Whitehouse, Herbert G., Newark, N. J. Buckle. 95,721; May 21.
Winter, Irving A., Woodmere, N. Y. Dress. 95,722; May 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, John M., New York, N. Y. Can. 2,002,072; May 21.
Acheson, Irvine R. (See Van Wyk, P., and Acheson.)
Ackerman-Blaesser-Fezzey, Inc. (See Zwierzina, Alois J., assignor.)
Adams, Charles F., New York, N. Y. Cup dropping machine. 2,002,213; May 21.
Agfa Ansco Corporation. (See Bornmann, C., and Rochrl, assignors.)
Agfa Ansco Corporation. (See Liebeskind, Bernhard, assignor.)
Aircraft Specialties, Inc. (See Kyser, Smith, assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Alabama Polytechnic Institute. (See English, Lester L., assignor.)
Albersheim, Walter J., assignor to Electrical Research Products, Inc., New York, N. Y. Modulating system. 2,002,214; May 21.
Alfano, Antonino, Rome, Italy. Placard. 2,001,928; May 21.
Allis Chalmers Manufacturing Company. (See Geist, Walter, assignor.)
Allmanna Svenska Elektriska Aktiebolaget. (See Hansson, Bror, assignor.)
Allyne, Edmund E., Shaker Heights, Ohio. Refrigerating apparatus. 2,002,426; May 21.
Almen, John O., Royal Oak, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Testing lubricants. 2,001,861; May 21.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Absorption refrigerating machine. 2,001,497; May 21.
American Can Company. (See Jeneson, George R., assignor.)
American Can Company. (See Saalbach, Arthur A., assignor.)
American Cast Iron Pipe Company. (See Moxley, Stephen D., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
American Flyer Manufacturing Company. (See Boisseller, Earl D., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Sales Book Company. (See Lawson, Albert R., assignor.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Smelting & Refining Company. (See MacMichael, Hugh R., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Telephone and Telegraph Company. (See Anderson, Emil N., assignor.)
American Telephone and Telegraph Company. (See Lockrow, Laurice L., assignor.)
American Tobacco Company. (See Gibson, C. H., Downs, and Fuse, assignors.)
American Tobacco Company, The. (See Maxwell, Charles G., assignor.)
American Well & Prospecting Company. (See Duda, Oswald, assignor.)
Amezcua, Heriberto, assignor of one-fifth to A. R. Kahn, Laredo, Tex. Concrete building construction. 2,001,696; May 21.
Ammerman, James W., J. W. Barker, W. H. Klopfer, and F. C. Manss, assignors to Andes Range and Furnace Corp., Geneva, N. Y. Gas and coal range. 2,002,384; May 21.
Anciens Etablissements R. Cornely & Cie., Société Anonyme. (See Ollendorff, Jacques, assignor.)
Anderson, David & John, Limited. (See McNicol, James T. D., assignor.)
Anderson, Emil N., Oak Park, Ill., assignor to American Telephone and Telegraph Company. Time indicating system. 2,001,831; May 21.
Anderson, George A. (See June, Ralph S., assignor.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Template. 2,002,073; May 21.
Andes Range and Furnace Corp. (See Ammerman, J. W., Barker, Klopfer, and Manss, assignors.)
André, Henri G., Suresnes, France. Rectifier. 2,001,698; May 21.
Angell, Robert C., Prince Bay, N. Y., and F. L. O. Wadsworth, Pittsburgh, Pa., assignors to The S. S. White Dental Manufacturing Company, Manufacture of flexible shafting. 2,002,479; May 21.
Apex Electrical Manufacturing Company, The, trustee. (See Kirby, James B., assignor.)
Apex Electrical Manufacturing Company, The. (See Seyfried, Arthur W., assignor.)
Apparatus Design Company. (See Williams, Jewell R., assignor.)
Arey, Ralph G., Swampscott, and H. T. Faus, Lynn, Mass., assignors to General Electric Company. Transversely magnetized vane instrument. 2,002,445; May 21.
Arnold, Marion L. (See Valby, E. P., and Arnold.)
Ashby, John T. (See Welch, S. A., Guyler, Boaler, and Ashby.)
Atlas Supply Company. (See McKenna, Charles J., assignor.)
Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 2,001,898; May 21.
Automatic Gas-Steam Radiator Company. (See Blackmore, Norman L., assignor.)
Automobile Side-Drive Corporation. (See Wolfe, Homer H., assignor.)
Autopoint Company. (See Dell, Frank C., assignor.)
Avery, Alfred H., Malden, Mass., assignor to North American Holding Corporation, Syracuse, N. Y. Calipering device. 2,002,334; May 21.
Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 2,001,759; May 21.
Babcock & Wilcox Company. (See Bailey, E. G., and Kerr, assignors.)
Babcock & Wilcox Company, The. See Kerr, H. J., and Langvand, assignors.)
Bacon, Willard M., Jr., Miami, Fla., assignor to J. H. Ellis and E. J. O'Hare, Chicago, Ill. Electrically driven lure carriage and trackage therefor. 2,002,427; May 21.
Baer, Lawrence E., Attleboro, Mass., assignor to The Baer & Wilde Company. Necktie holder. 2,002,231; May 21.
Baer & Wilde Company, The. (See Baer, Lawrence E., assignor.)
Bailey, Ervin G., Easton, Pa., H. J. Kerr and R. M. Hardgrove, Westfield, N. J., assignors to Fuller Lehigh Company, Fullerton, Pa. Steam boiler. 2,002,463; May 21.
Bailey, Ervin G., Easton, Pa., H. J. Kerr, Westfield, N. J., and R. M. Hardgrove, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Boiler furnace. 2,002,464; May 21.
Bailey, Ervin G., Easton, Pa., and H. J. Kerr, Westfield, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Slag drip and screen. 2,002,465; May 21.
Bailey, Samuel J., Nicholson, Pa. Folding ironing table. 2,002,283; May 21.
Baj, Alessandro, Milan, Italy. Fuel spray injection for internal combustion engines. 2,002,134; May 21.
Baker, Alvah L. (See McFall, Frank H., assignor.)
Baker, David B. (See Johnston, E. A., and Baker.)
Baker, Hallis, Golden, assignor to J. F. Vanderpool and W. H. Baker, Golden, Idaho. Miners fuse cutter. 2,002,050; May 21.
Baker-McMillen Company, The. (See Belden, Don A., assignor.)
Baker, William H., et al. (See Baker, Hallis, assignor.)
Baldwin, James H. (See Gruver, J. H., and Baldwin.)
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Bandes, Joseph. (See Bandes, Julius, and J.)
Bandes, Julius, and J. Bandes, Brooklyn, N. Y. Playing card cabinet. 2,002,166; May 21.
Bandurski, Walter, Chicago, Ill. Air conditioner. 2,001,932; May 21.
Bannister, Clyde E., Akron, Ohio. Drilling apparatus. 2,002,385; May 21.
Bannister, Clyde E., Akron, Ohio. Double piston fluid motor. 2,002,386; May 21.
Bannister, Clyde E., Houston, Tex. Well drilling apparatus. 2,002,387; May 21.
Bannister, Clyde E., Akron, Ohio. Rocker blade bit. 2,002,388; May 21.
Banta, George D., Ypsilanti, assignor to Chrysler Corporation, Detroit, Mich. Oscillatory connection. 2,002,284; May 21.
Bardet, George A., and G. V. Bardet, Berkeley, Calif., assignors to M. J. B. Company. Key attaching mechanism. 2,002,105; May 21.

Bardet, George V. (See Bardet, George A., and G. V.)
Barker, Edwin H., Moylan, assignor to A. H. Wirz, Inc., Chester, Pa. Method and machine for processing collapsible tubes. 2,001,760; May 21.
Barker, Jesse W. (See Ammerman, J. W., Barker, Klopfer, and Manss.)
Barnard, Randolph H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Stenciling or decorating apparatus. 2,002,335; May 21.
Barnes, Eugene L., Buffalo, N. Y. Refrigeration apparatus. 2,002,389; May 21.
Barnes, Wallace, Company. (See Cook, Raymond W., assignor.)
Barozzi, Guido E., Woodcliff, N. J. Drying apparatus. 2,002,170; May 21.
Bart, Blasius, East Orange, N. J. Forming high pressure tanks. 2,001,998; May 21.
Barth, Elmer W. (See Rash, Frank J., assignor.)
Barthel, Hans, Cologne-Dellbruck, Germany, assignor, by mesne assignments, to Carrier Engineering Corporation, New York, N. Y. Humidification process and apparatus employing electrical attractive forces. 2,001,700; May 21.
Bartlett, C. O., & Snow Company. (See McKinnon, H. L., and First, assignors.)
Barton, Chauncey C. (See Hall, G. W., and Barton.)
Barton, Raymond L., San Diego, Calif. Electric fishing lure. 2,002,135; May 21.
Basson, Joseph D., Brooklyn, N. Y. Film guiding mechanism. 2,002,074; May 21.
Bates, Arthur, and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,002,136; May 21.
Battey, Alexander J. (See Rabezzana, H., and Battey.)
Battey, Edith C., New York, N. Y. Facial tissue support. 2,001,862; May 21.
Baumann, Paul. (See Eisenhut, O., Schilling, and Baumann.)
Baumhover, Louis B., Carroll, Iowa. Apparatus for separating oats from hulls. 2,002,133; May 21.
Baylis, Albert W., Scarsdale, N. Y. Printed fabric. 2,002,359; May 21.
Bean, Barton A., Jr., Williamsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,002,336; May 21.
Bear, Velma M., assignor to Schulze Baking Company, Kansas City, Mo. Packaging of loaf-like bakery goods. 2,001,791; May 21.
Beard, Anna M. (See Beard, Earl C., assignor.)
Beard, Earl C., assignor of one-half to A. M. Beard, Mishawaka, Ind. Clothes hanger. 2,002,001; May 21.
Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-nitroanthraquinone-6-acyl amino compounds and their preparation. 2,001,701; May 21.
Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acylaminoanthraquinone-6-acyl amino compounds and their preparation. 2,001,701; May 21.
Beaver Manufacturing Company. (See Strongson, Herman L., assignor.)
Bechmann, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Quartz crystal oscillator. 2,002,167; May 21.
Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Driving disk for clutches. 2,002,285; May 21.
Becker, George H., et al. (See Lambourne, Herbert D., assignor.)
Bedaux, Charles E., Monts, France. Automobile door. 2,001,833; May 21.
Belden, Don A., assignor to The Baker-McMillen Company, Akron, Ohio. Knob or handle construction. 2,002,466; May 21.
Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dimond, Thomas L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ingmanson, J. H., and Mueller, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nordahl, John G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Toomey, J. F., and Hogan, assignors.)
Belshaw, Charles F., Indianapolis, Ind. Refrigerator. 2,002,305; May 21.
Bendix Aviation Corporation. (See Hall, Percy E., assignor.)
Bendix Aviation Corporation. (See McConkey, Montgomery W., assignor.)
Bendix Aviation Corporation. (See Seward, Clarence L., Jr., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See McCann, George K., assignor.)
Bendix Brake Company. (See Parker, Humphrey F., assignor.)
Bendix Brake Company. (See Taylor, Cecil H., assignor.)
Bendix Brake Company. (See Wells, Franklin H., assignor.)
Bendix Products Corporation. (See Gunn, Earl G., assignor.)
Bendix Research Corporation. (See Gregg, David, assignor.)
Benedek, Elek K. (See Ferris, Walter and J. P., Fobian and Benedek.)
Benjinsohn, Samuel, assignor to S. Benson, New York, N. Y. Hinge bracket. 2,001,864; May 21.
Benoit, Leon. (See Coyle, Joseph L., assignor.)
Benson, Benjamin H. (See Harris, George S., jr., assignor.)
Benson, Sarah. (See Benjinsohn, Samuel, assignor.)
Berger, Samuel L., Newark, N. J. Typewriting machine. 2,002,075; May 21.
Berkner, Arthur, Passaic, N. J. Fastening and buttoning means for garments, and the like. 2,002,360; May 21.
Berlin, Benjamin and I. Herman, New York, N. Y. Concealed garment fastener. 2,002,306; May 21.
Berning, Theodore J., Dayton, and M. P. Hoover, near Dayton, Ohio. Slit ball game. 2,001,811; May 21.
Berry, William A., Knutsford, assignor to Ilford Limited, Ilford, England. Photographic printing emulsion and its production. 2,001,951; May 21.
Bevin, Allister S., Wangarei, New Zealand. Harrow. 2,002,255; May 21.
Biasi, Angelo, Hazleton, Pa. Alarm device for safes. 2,001,812; May 21.
Birchall, Henry J., Shirley, England. Lenses and their combination and arrangement in various instruments and apparatus. 2,001,952; May 21.
Bishop, Stanley K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Seat adjuster. 2,001,950; May 21.
Bissell Carpet Sweeper Co. (See Pullen, Fred W., assignor.)
Black, Benjamin, Brooklyn, N. Y. Automotive jack. 2,002,428; May 21.
Blackmore, Norman L., Wilkinsburg, assignor to Automatic Gas-Steam Radiator Company, Pittsburgh, Pa. Heating apparatus. 2,001,953; May 21.
Blair, Frank O., Laramie, Wyo., assignor to Standrd Oil Compny, Chicago, Ill. Process and apparatus for acid treating light mineral oil. 2,001,899; May 21.
Blaw-Knox Company. (See Strong, Basil P., assignor.)
Blitz, Otto, Oakland, Calif. Folding container. 2,002,215; May 21.
Blogett, Edwin O., assignor to General Railway Signal Company, Rochester, N. Y. Snap acting thermal device. 2,002,467; May 21.
Blood, Howard E., Detroit, Mich., assignor by mesne assignments to Free Wheeling Patents Corporation, South Bend, Ind. Automobile transmission mechanism. 2,001,762; May 21.
Boaler, William H. (See Welch, S. A., Guyler, Boaler and Ashby.)
Blodgett, Edwin O., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,002,468; May 21.
Blumlein, Alan D., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Telephone and like transmission system. 2,001,900; May 21.
Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,002,216; May 21.
Bodmer, Albert, and Ernst Weiss, Wattwil, Switzerland, assignors, to Heberlein Patent Corporation, New York, N. Y. Treating vegetable fibers. 2,002,106; May 21.
Boisselier, Earl D., Glen Ellyn, assignor to American Flyer Manufacturing Company, Chicago, Ill. Motor mounting for toy locomotives. 2,002,256; May 21.
Bommer, Max. (See Hauser, H. and Bommer.)
Bondbright, John M., Detroit, Mich. Ventilating the interior of automobile bodies. 2,001,763; May 21.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track skate. 2,002,217; May 21.
Bornmann, Carl, and B. C. Roehrl, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic camera. 2,002,076; May 21.
Botteese, Shearman, Washington, D. C. Convertible child's vehicle. 2,001,929; May 21.
Bouda, Bohumil, assignor to The Collis Company, Clinton, Iowa. Mechanism and method for scalding fowls. 2,001,813; May 21.
Bourret, Clyde E., Morrisonville, assignor of one-half to R. A. Hellman, Madison, Wis. Illuminated hose nozzle. 2,002,107; May 21.
Boutillon, Edward F., Woodside, N. Y. Match package. 2,002,051. May 21.
Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tie trunk line. 2,002,218; May 21.
Boyce, Harold A., assignor of one-half to Jas. Truscott & Son, Limited, London, England. Safety guard for shearing presses. 2,002,257; May 21.
Bradley, Leonard, assignor to H. W. Stepp, Whittier, Calif. Core drill and valve therefor. 2,001,764; May 21.
Brady, Lester C., Burlington, N. C., assignor of twenty-four and one-half per cent to G. W. Morris, and twenty-four and one-half per cent to S. Webster. Stop motion control for jacquard looms. 2,002,420; May 21.
Brandl, Johann, Vienna, Austria, assignor to the firm Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Montrouge (Seine), France. Gas density meter. 2,001,865; May 21.

Brallier, Paul S., assignor to Niagara Smelting Corporation, Niagara Falls, N. Y. Stabilizing carbon tetrachloride. 2,002,168; May 21.
Brandtjen and Kluge, Inc. (See Kluge, Abel and E., assignors.)
Bratring, Kurt, Berlin-Charlottenburg, Germany. Manufacture of hollow articles from plastic materials. 2,001,765; May 21.
Brelt, Charles A., Houston, Tex. Vehicle door control. 2,002,025; May 21.
Brewer Titchener Corporation, The. (See Bishop, Stanley K., assignor.)
Brier, Henry, and J. H., Dartford, England. Compression refrigerating system for low temperature purposes. 2,002,307; May 21.
Brier, John H. (See Brier, Henry and J. H.)
Broome, John E., Market Harborough, Leicester, England, assignor to O. J. Taylor, Dundee, Scotland. Busk fastening means for corsets and similar garments. 2,002,052; May 21.
Brown, Banks D., assignor to Capstan Glass Company, Connellsville, Pa. Glass furnace. 2,001,766; May 21.
Brown, Newman T., Seattle, Wash., assignor to A. P. Grommesch, Seattle, Wash., deceased, now by decree of distribution to K. H. Grommesch. Heating means for treating vegetables or fruit. 2,001,703; May 21.
Brown, Theophilus, and L. A. Murray, assignors to Deere & Company, Moline, Ill. Tractor. 2,002,002; May 21.
Bruenn, Alexander, New York, N. Y. Warping creel thread stop. 2,002,137; May 21.
Bruson, Herman A., Germantown, and O. Stein, Drexel Hill, assignors to Rohn & Haas Company, Philadelphia, Pa. Octylsalicylic acid. 2,001,767; May 21.
Bunas Mejerimaskinfabrikker, Afdeling Af Aktieselskabet Frederiksberg Metalvarefabrik. (See Olsen, Johannes, assignor.)
Buckminster, Ira C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Article-transferring mechanism. 2,001,814; May 21.
Budd, Edward G., Manufacturing Company. (See Hanson, Arthur F., assignor.)
Budd Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Budd Wheel Company. (See Siviter, Arthur T., assignor.)
Bühnle, Carl. (See Gauthier, A., and Bühnle.)
Bulkeley, Claude A., assignor to Niagara Blower Company, New York, N. Y. Apparatus for cooling and ventilating buildings. 2,001,704; May 21.
Bullum, Stephen, Overton, assignor of one-half to J. R. Long, Fort Worth, and one-half to W. Davis, Houston, Tex. Feeding device. 2,002,337; May 21.
Bundy, James A. (See Krieg, A., and Bundy.)
Burchfield, Leslie B., Houston, Tex. Automatic fire extinguisher. 2,002,308; May 21.
Burdick Corporation, The. (See Maxson, Rolland H., assignor.)
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Bridge arrangement. 2,002,338; May 21.
Butterworth, H. W., & Sons Company. (See Sippel, John J., assignor.)
Buxton, Warner R., Longmeadow, Mass. Flexible receptacle. 2,001,954; May 21.
Byrd, Ruddell J., Irving, Tex. Air conditioning apparatus. 2,001,833; May 21.
Byron, Thomas F., Cleveland, Ohio. Window curtain. 2,002,171; May 21.
Cabaniss, Jelks H., Executors et al. (See McWane, James R., assignor).
Cahoon, Ernest L. (See Kryszewski, S. W., and Cahoon.)
Callan, Earl F. (See Smith, Earle R., assignor.)
Callan, Thomas J. (See Clark, M., and Callan.)
Caminez, Harold, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Accessory device housing for internal combustion engines. 2,001,866; May 21.
Campbell, James H., Somerville, assignor to J. D. Moore, Dorchester, Mass. Method and apparatus for impregnating material. 2,001,768; May 21.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 2,001,769; May 21.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 2,001,770; May 21.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 2,001,771; May 21.
Canfield, Earl L. (See Doane, Leroy C., assignor.)
Caponi, Patsy, assignor of one-half to C. Peroni, Philadelphia, Pa. Safety turn stop light. 2,001,705; May 21.
Caprio, Americo F. (See Walsh, J. F., and Caprio.)
Capstan Glass Company. (See Brown, Banks D., assignor.)
Carborundum Company, The. (See Melton, Romie L., assignor.)
Carborundum Company, The. (See Wooddell, C. E., Nelson and Lincoln, assignors.)
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Alternating current motor and the like. 2,001,772; May 21.
Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Clamping mechanism for radial drills. 2,002,446; May 21.
Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Column clamp for radial drills. 2,002,469; May 21.
Carlton Machine Tool Company, The. (See Carlton, Jack C., assignor.)
Carpenter, Walter E., Belmar, N. J., assignor to McCabe Maier Corporation, Brooklyn, N. Y. Refrigerating apparatus and method. 2,002,369; May 21.
Carrier Engineering Corporation. (See Barthel, Hans, assignor.)
Carson, Clifford C., Chicago, Ill. Vertical unit heater. 2,001,834; May 21.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,002,199; May 21.
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Caterpillar Tractor Co. (See Grothe, Walter, assignor.)
Celanese Corporation of America. (See Dickie, William A., assignor.)
Celanese Corporation of America. (See Dickie, W. A., and Greenwood, assignors.)
Celanese Corporation of America. (See Jabouley, Joanny, assignor.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Welch, S. A., Guyler, Boaler and Ashby, assignors.)
Celluloid Corporation. (See Walsh, J. F., and Caprio, assignors.)
Centervall, Hugo, Brooklyn, assignor to Manly Corporation, New York, N. Y. Variable capacity pump. 2,001,706; May 21.
Chalmers, George W., Summit, Ill., assignor to International Patents Development Company, Wilmington, Del. Automatic expanding machine. 2,001,867; May 21.
Chase Companies, The. (See Wood, Maurice L., assignor.)
Chemische Werke Marienfelde Aktiengesellschaft. (See Jakob, Gottfried, assignor.)
Chicago Flexible Shaft Company. (See McArdle, M. W., and Jeppson, assignors.)
Chicago Flexible Shaft Company. (See Strauss, Hermann M. Alfred, assignor.)
Chicago North Shore & Milwaukee Railroad Company. (See Otis, Harold A., assignor.)
Child, Hal G., Oswego, Oreg. Exercising device. 2,002,108; May 21.
Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Refrigerator freezing tray. 2,002,232; May 21.
Choice, Frank C. (See Bates, A., and Choice.)
Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Carriage for accounting machines. 2,002,361; May 21.
Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Tabulating mechanism for accounting machines. 2,002,362; May 21.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,002,310; May 21.
Chromy, Ben J., Hopkins, Minn. Radio receiving system. 2,002,430; May 21.
Chrysler Corporation. (See Banta, George D., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Lind, Frederick A., assignor.)
Chrysler Corporation. (See Ryan, Frank P., assignor.)
Church, Omer F., assignor to Road Supply Co., Arthur, Ill. Road machine. 2,002,431; May 21.
City Auto Stamping Company, The. (See Peterson, Peter, assignor.)
Clark, Melburn, and T. J. Callan, Vallejo, Calif. Kitchen utensil. 2,001,815; May 21.
Clark Metal Products, Inc. (See Jordan, Daniel L., assignor.)
Clemens, Fred J., East Haven, Conn., assignor to K-D Manufacturing Company, Lancaster, Pa. Hand tool. 2,001,707; May 21.
Clement, Sylvester F., assignor to The Visking Corporation, Chicago, Ill. Producing tubing. 2,002,258; May 21.
Cobb, Charles C. (See Murdock, C. I., and Cobb.)
Cody, Barney. (See Shafer, George J., assignor.)
Colburn, Ernest A., Jr., Congress, Ariz., assignor to Denver Patent Company, Denver, Colo. Mixing apparatus. 2,002,000; May 21.
Cole, Florent S., Omro, Wis. Animal den. 2,002,259; May 21.
Collar, Linus R., Chicago, Ill., assignor to The Lamson Company, Syracuse, N. Y. Conveyer curve. 2,001,773; May 21.
Collis Company, The. (See Bouda, Bohumil, assignor.)
Columbia Phonograph Company. (See Blumlein, A. D., assignor.)
Commercial Shearing & Stamping Company. (See Stephens, William T., assignor.)
Comoy, Léon L., Paris, France. Automatic machine for making serum phials. 2,002,432; May 21.
Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz. (See Brandl, Johann, assignor.)
Conover Company, The. (See Stoddard, Edgar S., assignor.)
Container Fitments Inc. (See Gruver, J. H., and Baldwin, assignors.)
Continental Motors Corporation. (See Kinnucan, James W., assignor.)

Continental Motors Corporation. (See Timian, Harold H., assignor.)

Cook, Raymond W., assignor to Wallace Barnes Company, Bristol, Conn. Spring connecter. 2,001,835; May 21.

Cooper-Bessemer Corporation. (See Gebres, Hewitt A., assignor.)

Copeman, Lloyd G., Flint, Mich. Refrigerator structure. 2,002,339; May 21.

Cornell, Edward S., Jr., Larchmont, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Making elbow pipe fittings of integral tubular metal. 2,002,470; May 21.

Corrall, Herbert, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 2,002,172; May 21.

Corwin, David S., Greenport, N. Y. Hollow cement block. 2,002,311; May 21.

Cotnareanu, Ionel. (See Tisseyre, L., and Cotnareanu.)

Couch, Forrest J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Lot or bundle assorter for ironing machines. 2,002,138; May 21.

Coursen, George L., East Orange, assignor of one-half to H. T. Sorg, Newark, N. J. Photographic shutter. 2,002,109; May 21.

Cowles, George P. (See Tisseyre, L., and Cotnareanu, assignors.)

Cowles, George P., Waterbury, Conn. Electrical actuating means for clocks and instruments. 2,002,433; May 21.

Cox, Edwin R., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Recovery of stable gasoline from natural gas. 2,002,340; May 21.

Coyle, Joseph L., London, Ontario, Canada, assignor to L. Benoit, New York, N. Y. Filler package. 2,001,816; May 21.

Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Power control circuits. 2,001,836; May 21.

Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Power control circuits. 2,001,837; May 21.

Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Power control circuits. 2,001,838; May 21.

Crandall, Merton L., Jackson, Mich. Hammer. 2,001,868; May 21.

Crane, George H., Muskegon, Mich. Brake adjusting gauge. 2,002,296; May 21.

Crosley, Powel, Jr., and H. Gest, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Acoustic device. 2,002,380; May 21.

Crosley Radio Corporation, The. (See Crosley, P., Jr., and Gest, assignors.)

Crouse-Hinds Company. (See Hastings, Harold P., assignor.)

Cunningham, Brant A., Akron, Ohio. Odor-sealing valve for combination sewer drains. 2,001,901; May 21.

Curl, Charles C., Helena, Ark. Locking cap. 2,002,260; May 21

Curran, Frank M. (See Meyercord, G. R., and Curran.)

Curtis, Westley F., Washington, D. C. Production of music. 2,001,708; May 21.

Cutler-Hammer, Inc. (See Lassen, E. U., and Seeger, assignors.

Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)

Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)

Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)

D. C. E. Development Company. (See Kasley, Alexander T., assignor.)

Dabney, R. Winston, et al. (See Timberlake, Journey F., assignor.)

Dall, Ernest I., assignor to Dall Steel Products Company, Lansing, Mich. Furnace and air conditioner. 2,002,318; May 21.

Dall Steel Products Company. (See Dall, Ernest I., assignor.)

Dall Steel Products Company. (See Murdock, C. I., and Cobb, assignors.)

Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)

Daller, Adrian O., Dennisport, Mass., assignor to Daller Carton Company, Inc., New York, N. Y. Dispensing container and making the same. 2,002,363; May 21.

Daller, Adrian O., Dennisport, Mass., assignor to Daller Carton Co., Inc., New York, N. Y. Container. 2,002,364; May 21.

Daller Carton Company. (See Daller, Adrian O., assignor.)

Darányi, Stephan C., Hamburg, Germany. Process and apparatus for the fermentation of carbohydrates. 2,001,930; May 21.

Darling, Thomas H., and W. Maccabee, Rockville Centre, N. Y. Magnetic puzzle. 2,002,077; May 21.

Darsey, Van M. (See Thompson, J. S., and Darsey.)

Davidson, Glenn, Bloomington, Ill. Cigarette mouthpiece or the like. 2,001,709; May 21.

Davis, Wallace, et al. (See Bullum, Stephen, assignor.)

Davis, William A., Milwaukee, Wis. Trench excavator. 2,002,230; May 21.

Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Light signal. 2,002,471; May 21.

De Bou, Herbert G., and C. S. Thicke, Vancouver, British Columbia, Canada. Log trailer. 2,001,839; May 21.

Decker, James W., New York, N. Y. Stock quotation projecting machine. 2,001,710; May 21.

Deere & Company. (See Brown, T., and Murray, assignors.)

Dees, Charlie M. (See Gurley, Robert L., assignor.)

Delchsel, Stanislaus, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Halogen alkenyl phenols and manufacture thereof. 2,002,447; May 21.

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Desk pad holder. 2,001,774; May 21.

Delling, Richard E., Erfenschlag, near Chemnitz, assignor of one-half to E. Freytag, Zwickau, Germany. Atomizing device. 2,001,817; May 21.

De Martin, Peter, Passaic, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold for inner tubes and the like. 2,002,110; May 21.

Deniston, Albert J., Jr., Chicago, Ill. Making lead-headed screw-threaded nails. 2,001,869; May 21.

Denver Patent Company. (See Colburn, Ernest A., Jr., assignor.)

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Convenience outlet. 2,002,434; May 21.

Des Rosiers, John B., Providence, R. I. Automatic brake adjusting and indicating mechanism. 2,002,139; May 21.

Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)

Detroit Lubricator Company. (See Weber, Walter H., assignor.)

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 2,001,775; May 21.

Diascope Corporation Ltd. (See Forde, Thomas H., assignor.)

Dickie, William A., and E. L. Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,002,078; May 21.

Dickie, William A., Spondon, near Derby, England, assignor to Celanese Corporation of America. Card clothing for textile machinery. 2,002,079; May 21.

Dietrich, Charles, Cleveland, Ohio, assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn. Fastening springs together. 2,002,080; May 21.

Diller, Alvin L., Belmont, and L. H. L'Hollier, Waltham, assignors to Hood Rubber Company, Inc., Watertown, Mass. Making ornamental rubber articles. 2,002,391; May 21.

Dillon, Stephen V., Tulsa, Okla. Well equipment. 2,002,140; May 21.

Dimond, Thomas L., Rocston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,002,219; May 21.

Dinzl, Richard W., Philadelphia, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Portable testing machine. 2,001,711; May 21.

Dinzl, Richard W., Philadelphia, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Press mechanism. 2,001,712; May 21.

Doane, Leroy C., Meriden, Conn., assignor to E. L. Canfield, Hillside, N. J. Lighting appliance. 2,002,313; May 21.

Dock, Webster R. (See Kieckhefer, H. M., and Dock.)

Dodge, Harry H., Williamsport, Pa. Atmospheric gas burner. 2,002,448; May 21.

Dohm, Elizabeth, assignor of one-half to F. R. Seyfried, Toledo, Ohio. Dermatold mask. 2,002,449; May 21.

Dole Valve Company, The. (See Morrison, Willard L., assignor.)

Dominion Engineering Works Limited. (See Russell, A. N., and Ulmann, assignors.)

Domm, Elgin C., Niles, Mich., assignor to National Standard Company. Rubber coated steel object and making the same. 2,002,261; May 21.

Domm, Elgin C., assignor to National Standard Company, Niles, Mich. Rubber coated object. 2,002,262; May 21.

Domm, Elgin C., assignor to National Standard Company, Niles, Mich. Rubber coated steel object. 2,002,263; May 21.

Doolin, Charles E., San Antonio, Tex. Corn product and making the same. 2,002,053; May 21.

Dossey, Trannon, Aruba, Dutch West Indies. Clothesline ring. 2,002,435; May 21.

Dougherty, Bernard E., Seattle, Wash. Can punch. 2,002,173; May 21.

Douglas, Harry A., Bronson, Mich. Swaging means. 2,002,220; May 21.

Dow, Richard F., assignor to The Whitney Mfg. Co., Hartford, Conn. Hydraulic slack take-up device. 2,002,081; May 21.

Downs, Laurence E. (See Gibson, C. H., Downs, and Fuse.)

Dreyfus, Camille, New York, N. Y. Ultra-violet light transparent glass and making the same. 2,002,082; May 21.

Dreyfus, Henry, London, England. Treatment of fabrics. 2,002,083; May 21.

Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,002,084; May 21.

Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,002,085; May 21.

Duda, Oswald, assignor to American Well & Prospecting Company, Corsicana, Tex. Valve mechanism. 2,001,818; May 21.

Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)

Dumke, William C., Chicago, Ill. Clamp. 2,002,141; May 21.

Dunlop Tire & Rubber Corporation. (See Twiss, D. F., Neale, and Wilson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hinegardner, Wilbie S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lulek, Ralph N., assignor.)

Dylewski, Wladyslaw, Camden, N. J. Automatic ball cock valve. 2,002,086; May 21.

Earle, Francis, Montclair, assignor to Metal & Thermit Corporation, Carteret, N. J. Welding metal parts. 2,002,222; May 21.

Earle, Francis, Montclair, assignor to Metal & Thermit Corporation, Carteret, N. J. Welding rail joints. 2,002,223; May 21.

Eastwood, David S., Los Angeles, Calif. Grinding machine. 2,002,224; May 21.

Eclipse Aviation Corporation. (See Gregg, David, assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)

Eclipse Aviation Corporation. (See Mock, Frank C., assignor.)

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)

Eclipse Aviation Corporation. (See Waselge, Charles R., assignor.)

Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method and apparatus for electrically treating emulsions. 2,001,776; May 21.

Eger, Ernst, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Tube inflating machine. 2,001,777; May 21.

Ehret, Clement, White Plains, N. Y. Stove. 2,001,713; May 21.

Ehret, Clement, White Plains, N. Y. Rotatable top stove. 2,001,714; May 21.

Ehrling, Gunnar E. (See Shoemaker, F. G., and Ehrling.)

Elchwede, Heinz, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Colored rubber products and preparing it. 2,002,174; May 21.

Elmecke, Robert, Pforzheim, Germany, assignor to Gemex Company, Newark, N. J. Band element for ornamental and useful purposes. 2,002,233; May 21.

Elsenhut, Otto, Heidelberg, H. Schilling and P. Baumann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetylene and carbon black. 2,002,003; May 21.

Eklind, Carl E., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,002,392; May 21.

Electrical Research Products, Inc. (See Albersheim, Walter J., assignor.)

Electrolux Servel Corporation. (See Ryden, Eric H., assignor.)

Elle, Eugen, and M. Wetzler, Frankfort-on-the Main, Germany, assignors to R. Wetzler, New York, N. Y. Receptacle for pastes. 2,001,819; May 21.

Ellis, Bertie, New York, N. Y. Corn cure package. 2,002,341; May 21.

Ellis, J. Homer, et al. (See Bacon, Willard M., Jr., assignor.)

Emery, William M., Lansdowne, Pa. Ironing press. 2,002,240; May 21.

Emmens, Hendrik. (See van Geel, W. C., and Emmens.)

Enderli, Max, assignor to firm Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich, Germany. Production of caustic potash and oxalic acid. 2,002,342; May 21.

Engel, Arthur C., Haverhill, Mass. Shoe counter. 2,002,093; May 21.

Engel, Francis H., New York, N. Y., assignor to Radio Corporation of America. Power circuits. 2,002,343; May 21.

Engelbertz, William H., Pittsburgh, Pa. Apparatus for the manufacture of seamless hollow bodies. 2,001,902; May 21.

England, Frank W., assignor to Illinois Tool Works, Chicago, Ill. Lock washer and making same. 2,001,956; May 21.

English, Lester L., Spring Hill, assignor to Alabama Polytechnic Institute, Auburn, Ala. Orchard heater. 2,002,054; May 21.

Esterson, Jack F., Baltimore, Md. Shoe heel. 2,002,087; May 21.

Etablissements E. & M. Lamort Fils. (See Lamort, Marcel, assignor.)

Eto, Hiroshi, Tokyo, Japan, assignor to General Electric Company. Metallic cabinet structure. 2,002,366; May 21.

Everston, Joseph H., Milwaukee, Wis. Shoe. 2,001,821; May 21.

Evinrude, Ole, assignor to Outboard Motors Corporation, Milwaukee, Wis. Combination sander and jointer. 2,001,955; May 21.

Explorator A. G. (See Silbermann, Eugen, assignor.)

Eymann, Constanz, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removing hydrogen sulphide from gases containing ammonia and hydrogen sulphide. 2,002,365; May 21.

Fahrney, Emery H., Oak Park, Ill. Hydraulic clutch. 2,002,367; May 21.

Fairgrieve, Albert D., Vancouver, British Columbia, Canada. Fighting toy. 2,002,026; May 21.

Fancher, Charles L., Cleveland, Ohio. Diaper pad. 2,002,368; May 21.

Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Synco Machine Company, Arlington, N. J. Serving head. 2,002,225; May 21.

Farrel-Birmingham Company. (See Sykes, William E., assignor.)

Farwell Ozmun Kirk & Co. (See Marzolf, George B., assignor.)

Faus, Harold T. (See Arey, R. G., and Faus.)

Federal Telegraph Company. (See Reinken, Louis W., assignor.)

Fehrle, Alfred. (See Streitwolf, K., Fehrle, Herrmann, Fritzsche, and Schnitzer.)

Ferris, John P. (See Ferris, Walter and J. P., Foblan, and Benedek.)

Ferris, Walter and J. P., G. H. Foblan, and E. K. Benedek, assignors to The Oilgear Company, Milwaukee, Wis. Pump. 2,001,957; May 21.

Fibreboard Products Inc. (See Patterson, David H., Jr., assignor.)

Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window assembly for an automotive vehicle. 2,001,778; May 21.

Floroni, Walter. (See Moser, W., and Floroni.)

First, Mahlon E. (See McKinnon, H. L., and First.)

Fischer, Ernst, Berlin-Lichterfelde/West, and Hans Gantzckow, Berlin-Weissensee, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Communication cable with reduced magnetic coupling. 2,002,344; May 21.

Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Preparing organic disulphides. 2,001,715; May 21.

Flettner, Anton, Berlin, Germany. Flying machine. 2,002,287; May 21.

Flogaus, Howard A., Ferndale, assignor to General Motors Truck Corporation, Pontiac, Mich. Motor vehicle driving mechanism. 2,001,870; May 21.

Florida Fruit Canners, Inc. (See Keenan, Edward T., assignor.)

Foblan, John P. (See Ferris, Walter and J. P., Foblan, and Benedek.)

Food Machinery Corporation. (See Van Wyk, P., and Acheson, assignors.)

Forde, Thomas H., assignor to Diascope Corporation Ltd., San Francisco, Calif. Electric furnace muffle construction. 2,002,241; May 21.

Foster, Clarence B. (See Terwilliger, S. M., and Sevener, assignors.)

Foster, Claud H., South Euclid, Ohio. Massaging device. 2,001,871; May 21.

Foster Wheeler Corporation. (See Kryszewski, S. W., and Cahoon, assignors.)

Frank, John P., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,001,779; May 21.

Franklin, Albert W., New York, N. Y. Safety razor blade structure and holder for same. 2,002,436; May 21.

Free Wheeling Patents Corporation. (See Blood, Howard E., assignor.)

Free Wheeling Patents Corporation. (See Hecks, H. J., and Simpson, assignors.)

Freed, Harvey H., Belleville, and H. B. Mann, Newark, N. J. Automatic pantograph machine. 2,002,393; May 21.

Frehner, Carl, Evansville, Wis. Making cheese. 2,002,345; May 21.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting hydrocarbons. 2,002,394; May 21.

Friedrich & Dimmock. (See Friedrich, Paul O. E., assignor.)

French, Charles A., Riverside, Ill. Liquid fuel burner. 2,002,288; May 21.

Freytag, Emil. (See Delling, Richard E., assignor.)

Friedrich, Paul O. E., Millville, N. J., assignor to firm Friedrich & Dimmock, New York, N. Y. Method and apparatus for producing curled or crimped glass wool. 2,002,314; May 21.

Fritzsche, Paul. (See Streitwolf, K., Fehrle, Herrmann, Fritzsche, and Schnitzer.)

Frohmer, Claus, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric control means. 2,002,369; May 21.

Frost, Clinton E., Youngstown, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush. 2,002,370; May 21.

Fry, Francis H., Gravesend, England, assignor to W. T. Henley's Telegraph Works Company, Limited, London, England. Controlling the tension on strips of flexible material drawn from flat coils. 2,001,780; May 21.

Fuel Development Corporation. (See Kimball, Leo B., assignor.)

Fuller Lehigh Company. (See Bailey, E. G., Kerr, and Hardgrove, assignors.)

Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Hydraulic clutch release. 2,002,315; May 21.

Fürrer, Carl, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Ticket dispensing means. 2,001,903; May 21.

Fuse, Christian J. (See Gibson, C. H., Downs, and Fuse.)

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Drive for machine tool elements. 2,002,480; May 21.

Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for making rubber thread. 2,001,780; May 2.

Gantz, Jack I., Los Angeles, Calif. Fluid pressure dispensing machine. 2,002,175; May 21.

Gantzckow, Hans. (See Fischer, E., and Gantzckow.)

Gard, Earle W., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oil. 2,002,004; May 21.

Garman, George W., Scotia, N. Y., assignor to General Electric Company, Regulating system. 2,002,371; May 21.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,001,716; May 21.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricating device. 2,001,717; May 21.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling motor. 2,001,718; May 21.

Gauthier, Alfred, Calmbach-Enz, and K. Bührle, Holen-Enz, Germany. Lens shutter with combined exposure meter, view finder and distance meter. 2,001,840; May 21.

Gebres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Engine compressor assembly. 2,002,200; May 21.

Geist, Walter, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power transmitting mechanism. 2,002,055; May 21.

Gemex Company. (See Einsele, Robert, assignor.)

General Aniline Works, Inc. (See Eichwede, Heinz, assignor.)

General Aniline Works, Inc. (See Nocken, T., and Neelmeier, assignors.)

General Aniline Works, Inc. (See Wagner, H., Krzikalla, and Kirsch, assignors.)

General Electric Company. (See Arey, R. G., and Faus, assignors.)

General Electric Company. (See Eto, Hiroshi, assignor.)

General Electric Company. (See Frohmer, Claus, assignor.)

General Electric Company. (See Garman, George W., assignor.)

General Electric Company. (See Greentree, C. D., and Mead, assignors.)

General Electric Company. (See King, William R., assignor.)

General Electric Company. (See Westendorp, Willem F., assignor.)

General Electric Company. (See Woodruff, Henry S., assignor.)

General Motors Corporation. (See Almen, John O., assignor.)

General Motors Corporation. (See Caminez, Harold, assignor.)

General Motors Corporation. (See Chilton, Ralph H., assignor.)

General Motors Corporation. (See McPherson, Hal W., assignor.)

General Motors Corporation. (See Rabezzana, H., and Battey, assignors.)

General Motors Corporation. (See Randolph, Donald W., assignor.)

General Motors Corporation. (See Shoemaker, F. G., and Ehrling, assignors.)

General Motors Corporation. (See Thomson, Bernard, assignor.)

General Motors Corporation. (See Watson, James B., assignor.)

General Motors Truck Corporation. (See Flogaus, Howard A., assignor.)

General Railway Signal Company. (See Blodgett, Edwin O., assignor.)

General Railway Signal Company. (See Bodde, Theodore, assignor.)

General Railway Signal Company. (See Day, Salisbury M., assignor.)

General Railway Signal Company. (See Merkel, Joseph F., assignor.)

General Steel Castings Corporation. (See Sheehan, William M., assignor.)

George Manufacturing Company. (See George, Robert H., assignor.)

George, Robert H., assignor to George Manufacturing Company, Inc., Philadelphia, Pa. Cylinder cock. 2,002,450; May 21.

Gerlinger, Carl F., Dallas, Oreg. Engine spark extinguisher. 2,002,027; May 21.

Gerlinger, Carl F., Dallas, Oreg. Fire box of oil burning locomotives. 2,002,028; May 21.

Gerlinger, Carl F., Dallas, Oreg. Door for fireboxes of oil burning locomotives. 2,002,029; May 21.

Gest, Henry. (See Crosley, P., Jr., and Gest.)

Gibson, Charles H., L. E. Downs, and C. J. Fuse, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Cigarette wrapper cutting machine. 2,002,142; May 21.

Gibson, William, & Son, Limited. (See Simpson, Harold W., assignor.)

Giddings & Lewis Machine Tool Co. (See Gallimore, Keith F., assignor.)

Gietmann, Anton, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic fuze setting apparatus. 2,002,056; May 21.

Girard Model Works, Inc., The. (See Smith, Anthony N., assignor.)

Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)

Goodrich, B. F. Company, The. See Mayne, Robert, assignor.)

Goodstein, Joseph, New York, N. Y. Filler for quilts or the like. 2,001,782; May 21.

Goodwillie, David H., and E. L. Walters, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cut-off mechanism for sheet material. 2,002,346; May 21.

Gordon, Beirne, Jr., and H. J. V. Michel, assignors to Skenandoa Rayon Corporation, Utica, N. Y. Artificial silk manufacture. 2,002,481; May 21.

Goriup, Frank J., McKees Rocks, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Toy washing machine. 2,001,822; May 21.

Gorman-Rupp Company. (See Rupp, Herbert E., assignor.)

Gossiau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Machine set composed of two engines and a driven machine. 2,002,316; May 21.

Goth, Imre, Berlin, Germany. Shoe with elastic rubber insert. 2,001,841; May 21.

Gottlieb, Stella A., New York, N. Y. Carton or container. 2,002,005; May 21.

Gray, Wallace M., Cincinnati, Ohio. Water hammer eliminator. 2,002,451; May 21.

Greene, Curtis, San Diego, Calif. Anchor post. 2,001,719; May 21.

Greelle, Otto W., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Fluid nozzle. 2,002,242; May 21.

Greentree, Charles D., and M. S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company. Vibration velocity measuring device. 2,002,372; May 21.

Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Cooling unit. 2,001,872; May 21.

Greenwood, Ernest L. (See Dickie, W. A., and Greenwood.)

Gregg, David, Caldwell, assignor to Bendix Research Corporation, East Orange, N. J. Aircraft. 2,002,057; May 21.

Gregg, David, Caldwell, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Fluid clutch. 2,002,058; May 21.

Gregoire, Gedeon, Southbridge, Mass. Shoe channeling and grooving machine. 2,001,720; May 21.

Griesel, Heinrich, Berlin, Germany. Structure for building. 2,002,347; May 21.

Griess, Pfleger & Company. (See Hartt, Robert A., assignor.)

Griggs, Stephen A. (See Higbee, James F., assignor.)

Grommesch, Albert P. (See Brown, Newman T., assignor.)

Grommesch, Katherine H. (See Brown, Newman T.)

Grothe, Walter, Alameda, assignor to Caterpillar Tractor Company, San Leandro, Calif. Furnace. 2,002,030; May 21.

Gruver, Joseph H., Catonsville, Md., and J. H. Baldwin, New Milford, Conn., assignors to Container Fitments Inc., New York, N. Y. Nonrefillable bottle stopper. 2,002,143; May 21.

Gulf Refining Company. (See Payne, C. R., and Stevens, assignors.)

Gunn, Earl G., Racine, Wis., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Brake. 2,001,958; May 21.

Gurley, Robert L., assignor of one-half to C. M. Dees, Oakfield, Tenn. Plow. 2,002,039; May 21.

Gustafson, Joseph G., Midland, Calif., assignor to United States Gypsum Company, Chicago, Ill. Gypsum plaster and manufacturing same. 2,002,176; May 21.

Guyler, Albert F. (See Welch, S. A., Guyler, Boaler, and Ashby.)

Gyro Process Company. (See Throckmorton, John W., assignor.)

Halls, Edward T., Montgomery, Ala. Towel cabinet. 2,002,088; May 21.

Hall, George W., Moodus, and C. C. Barton, Wethersfield, Conn. Hook. 2,001,959; May 21.

Hall, Mora S., Baltimore, Md., assignor to May Oil Burner Corporation. Combustion-chamber heating device. 2,001,721; May 21.

Hall, Percy E., Birmingham, England, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,002,006; May 21.

Hammond, John H., Jr., Gloucester, Mass. Musical instrument. 2,001,722; May 21.

Hammond, John H., Jr., Gloucester, Mass. Regenerative piano. 2,001,723; May 21.

Hammond, John H., Jr., Gloucester, Mass. Piano recording. 2,001,724; May 21.

Hancock, William H., Okmulgee, Okla. Nut cracking machine. 2,002,289; May 21.

Hano, Edward, Holyoke, Mass. Transfer sheet. 2,001,960; May 21.

Hansen, Edmund H., Los Angeles, Calif. System for synchronizing sound with motion pictures. 2,002,111; May 21.

Hanson, Arthur E., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sheet flash welder. 2,002,007; May 21.

Hansson, Bror, Stockholm, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasterns, Sweden. Electrical condenser. 2,001,873; May 21.

Hardgrove, Ralph M. (See Bailey, E. G., Kerr, and Hardgrove.)

Harmon, Dewey E., Dallas Center, Iowa. Combination hair curling instrument. 2,001,904; May 21.

Harrington, Leonard E., Long Beach, assignor to Perkins Cementing, Inc., Los Angeles, Calif. Dumping apparatus for oil wells. 2,002,112; May 21.

Harris, George S., Jr., Boston, assignor to B. H. Benson, Brookline, Mass. Apparatus for blood transfusion. 2,002,008; May 21.

Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Treatment of tobacco and similar materials. 2,002,000; May 21.

Harris, Henry H., Champaign, Ill. Ornamental panel and the like of rustless steel and vitreous enamel. 2,001,725; May 21.

Hart, Simeon T., and W. A. Marcy, assignors to The Lamson Company, Syracuse, N. Y. Conveyer system. 2,002,009; May 21.

Hartt, Robert A., Lynn, Mass. assignor, by mesne assignments, to Griess, Pfleger & Company, Inc., Cincinnati, Ohio. Method of and machine for applying reenforcing strip material. 2,002,452; May 21.

Hastings, Harold P., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric plug and socket. 2,002,177; May 21.

Hatala, John. (See Sera, S., and Hatala.)

Hauser, Hermann, Basel, and M. Bommer, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivative and making same. 2,002,264; May 21.

Haynes Stellite Company. (See Wissler, William A., assignor.)

Haynes Stellite Company. (See Woods, Gorham W., assignor.)

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heany, John A., and H. St. Laurent, New Haven, Conn., assignor, by direct and mesne assignments, to Radio Research Laboratories Inc. Regenerative system and operating the same. 2,002,201; May 21.

Heaton, Wilma O., Oakland, Calif. Applicator. 2,002,144; May 21.

Heberlein Patent Corporation. (See Bodmer, A., and Weiss, assignors.)

Heck, Harry J., and J. M. Simpson, Muncie, assignors, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheeling transmission and control therefor. 2,001,783; May 21.

Heggie, James. (See Corrall, H., and Heggie.)

Heilman, Roman A. (See Bourret, Clyde E., assignor.)

Hein, John, Ridgewood, N. Y. Brush holder. 2,002,202; May 21.

Heise, Arthur C., and M. W. Jacobi, Baltimore, Md. Teething and feeding nipple. 2,001,842; May 21.

Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Compressing unit. 2,001,874; May 21.

Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,001,905; May 21.

Henley's, W. T. Telegraph Works Company. (See Fry, Francis H., assignor.)

Henry, Henry L., assignor of one-half to F. S. Warring, La, Calif. Sprinkler. 2,002,178; May 21.

Henwood, Lloyd S., Merchantville, assignor to C. Howard Hunt Pen Company, Camden, N. J. Writing pen. 2,001,726; May 21.

Herman, Isidor. (See Berlin, B., and Herman.)

Herrmann, Walter. (See Streitwolf, K., Fehrle, Herrmann, Fritzsche, and Schnitzer.)

Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,002,395; May 21.

Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Brake. 2,001,875; May 21.

Hilliard, Glenn E., Brackenridge, Pa. Method of and apparatus for treating metals. 2,002,010; May 21.

Hinegardner, Wilbie S., Prince Bay, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Formaldehyde solution. 2,002,243; May 21.

Hitchcock, Charles A., Pana, Ill. Tractor attachment for broadcast seeders. 2,002,179; May 21.

Hite, Rollie B., Nevada, Ohio. Grass trimmer. 2,002,396; May 21.

Hodgkin, Edward E., W. W. Wodell, and H. Lange, assignors to Quincy Stove Manufacturing Co., Quincy, Ill. Valve organization for gas ranges. 2,002,080; May 21.

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hoehn, John J. (See Larson, I. J., and Hoehn.)

Hofmann, Wilhelm, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for utilizing heat of condensates. 2,001,784; May 21.

Hogan, Walter E. (See Toomey, J. F., and Hogan.)

Hoke, William E., Baltimore, Md. Taper roller lapping device and method. 2,002,317; May 21.

Holden, Artemas F., New Haven, Conn. Case hardening composition. 2,002,180; May 21.

Holman, Arthur J., Brookline, Mass. Automatic razor edging machine. 2,001,727; May 21.

Höme, Hugo, Essen, Germany. Hydraulic shock absorber for automobiles. 2,002,397; May 21.

Höme, Hugo, Essen, Germany. Stabilizer for vehicles. 2,002,398; May 21.

Hood Rubber Company. (See Diller, A. L., and L'Hollier, assignors.)

Hood Rubber Company. (See L'Hollier, Leslie H., assignor.)

Hoover Company, The. (See Altenkirch, Edmund, assignor.)

Hoover, Melvin P. (See Berning, T. J., and Hoover.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Web roll controlling mechanism. 2,002,011; May 21.

Horton, Erwin C. (See Hueber, E. C., and Hueber.)

Hosmer, F. H. (See Nyborg, Marinus, J. C., assignor.)

House, Samuel G., and A. B. Small, Miami, Fla. Combined refrigerating and advertising display device. 2,002,061; May 21.

Howard, James H., Houston, Tex., assignor to J. H. McEvoy & Company. Stuffing box for polish rods. 2,002,012; May 21.

Howard, James H., assignor to J. H. McEvoy & Company, Houston, Tex. Well production apparatus. 2,002,062; May 21.

Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Vacuum stabilizer. 2,002,318; May 21.

Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle cooling system. 2,002,319; May 21.

Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling motor. 2,001,728; May 21.

Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 2,001,729; May 21.

Huggett, Martin C., Chicago, Ill., assignor, by mesne assignments, to Research Inc. Thermal insulation. 2,001,912; May 21.

Hultquist, Charles A., Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rock drill chuck. 2,002,203; May 21.

Hunt, C. Howard, Pen Company. (See Henwood, Lloyd S., assignor.)

Hunt, Roland E., Cincinnati, Ohio. Garbage disposal receptacle. 2,002,113; May 21.

Hupp Motor Car Corporation. (See Johnson, Hugh A., assignor.)

Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Coin controlled indicating device. 2,002,373; May 21.

Hurt, Victor H., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Making inflatable articles. 2,001,785; May 21.

Hvoslef, Fredrik W. Kohler, Wis. Sheath for radiators and the like. 2,001,876; May 21.

I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, O., Schilling, and Baumann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hofmann, Wilhelm, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Irion, W., and Mahn, assignors.)

Ilberg, Waldemar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 2,002,181; May 21.

Illinois Tool Works. (See England, Frank W., assignor.)

Illinois Watch Case Company. (See Ireland, E. S., and Krabbe, assignors.)

Independent Pneumatic Tool Company. See Hultquist, Charles A., assignor.)

Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)

Industrial Patents Corporation. (See Jenson, Lloyd B., assignor.)

Ingmanson, John H., Rahway, N. J., and G. S. Mueller, Richmond Hill, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treating gutta percha. 2,002,204; May 21.

Ingraham, E., Company, The. (See Carlson, Elef L., assignor.)
Ilford Limited. (See Berry, William A., assignor.)
Inside Tray Company. (See Mitchell, Orville, assignor.)
International Check Endorser Co., The. (See Rix, Edward G., assignor.)
International Harvester Company. (See Bechman, William O., assignor.)
International Harvester Company. (See Johnston, E. A., Raney and Johnson, assignors.)
International Harvester Company. (See Johnston, E. A., and Bater, assignors.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Krieg, A., and Bundy, assignors.)
International Harvester Company. (See Mowry, Edward, assignor.)
International Harvester Company. (See Panzegrau, Norman O., assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Motor Company. (See Ucko, Bernard, assignor.)
International Patents Development Company. (See Chalmers, George W., assignor.)
Invex Corporation. (See Craig, Palmer H., assignor.)
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,001,906; May 21.
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,001,907; May 21.
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,001,908; May 21.
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,001,909; May 21.
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,001,910; May 21.
Irelan, Ellison S. and R. J. Krabbe, assignors to Illinois Watch Case Company, Elgin, Ill. Display case. 2,001,820; May 21.
Irion, Wilhelm, and H. Mahn, Dessau-In-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of fibroin solutions. 2,002,063; May 21.
Irving Trust Company, Permanent trustee. (See Horton, Albert J.)
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,001,730; May 21.
Ives, Herbert E., Montclair, N. J., assignor to The Perser Corporation, New York, N. Y. Making parallax panoramagrams. 2,002,090; May 21.
Jabouley, Joanny, London, England, assignor, by mesne assignments, to Celanese Corporation of America. Guiding or spacing of yarns in warp form. 2,002,091; May 21.
Jacobi, Millard W. (See Helse, A. C. and Jacobi.)
Jaffe, Harry. (See Parker, W. H. and Jaffe.)
Jakob, Gottfried, Perlach, near Munich, assignor to Chemische Werke Marienfelde Aktiengesellschaft, Berlin-Marienfelde, Germany. Clearing the contents of fermentation and storage containers. 2,002,145; May 21.
Jameson, Reuben M. (See Fantone, C. B., and Jameson.)
Jeneson, George R., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Blank shearing apparatus. 2,001,731; May 21.
Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Hose coupling. 2,002,472; May 21.
Jensen, Karl E., Danville, Ill., assignor to E. F. Kemp, Washington, D. C. Hand protector. 2,001,961; May 21.
Jensen, Lloyd B., assignor to Industrial Patents Corporation, Chicago, Ill. Meat treating method. 2,002,146; May 21.
Jeppsson, Irar. (See McArdle, M. W., and Jeppsson.)
Jessop Steel Company. (See Trembour, M. R. and Wilson, assignors.)
Johns-Manville Corporation. (See Kellogg, George D., assignor.)
Johnson, Albin, Belding, Mich. Chair. 2,002,118; May 21.
Johnson, Arnold E. W. (See Johnston, E. A., Raney and Johnson.)
Johnson, Hugh A., assignor to Hupp Motor Car Corporation, Detroit, Mich. Vehicle body construction. 2,001,877; May 21.
Johnson, Hugh A., assignor to Hupp Motor Car Company, Detroit, Mich. Motor vehicle. 2,001,878; May 21.
Johnson, John M., Kansas City, Mo. Thermostat. 2,002,031; May 21.
Johnston, Edward A., Chicago, C. R. Raney, Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Harvester thresher. 2,002,205; May 21.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Combined grain and transport wheel for harvester threshers. 2,002,473; May 21.
Johnston, Edward A., Chicago, and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Frame for track type tractors. 2,002,474; May 21.
Jones, Fred A., Los Angeles, Calif. Toothbrush. 2,002,320; May 21.
Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
Jordan, Daniel L., assignor to Clark Metal Products, Inc., Bridgeport, Conn. Apparatus for arranging and feeding irregular shaped articles. 2,002,147; May 21.
Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 2,001,732; May 21.
June, Ralph S., assignor of one-half to G. A. Anderson, Seattle, Wash. Ignition system. 2,002,114; May 21.
Juster, Louis H., St. Lambert, Quebec, Canada, assignors to L. E. Waterman Company, New York, N. Y. Ink well. 2,002,092; May 21.
K-D Manufacturing Company. (See Clemens, Fred J., assignor.)
Kaden, Karl Muhlbach Bez. Chemnitz, Germany. Flat spring and making the same. 2,002,399; May 21.
Kahn, Adolph R. (See Amezcua, Heriberto, assignor.)
Kamper, Andrew M., Surbiton, assignor to No-Nail Cases Proprietary Limited, London, England. Apparatus for attaching metal strips to sheets of wood, composition boarding, or the like. 2,002,265; May 21.
Kantrow, Joseph W., Long Island City, N. Y. Ornamental material and making the same. 2,001,962; May 21.
Karnaghan, Clyde H., Memphis, Tenn. Bottle dispensing apparatus. 2,001,786; May 21.
Kasley, Alexander T., Prospect Park, Pa., assignor to D. C. E. Development Company, Wilmington, Del. Fuel injection system for internal combustion engines. 2,001,843; May 21.
Kauffman, Edmund J., Girard, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Ingot mold. 2,001,879; May 21.
Kearfott Engineering Company. (See Kraemer, Waldo L., assignor.)
Keenan, Edward T., assignor of one-half to Florida Fruit Canners Inc., Frostproof, Fla. Fertilizer. 2,002,400; May 21.
Keller, George J., Detroit, Mich. True bite attachment. 2,001,963; May 21.
Kellogg, George D., Pelham Manor, assignor to Johns-Manville Corporation, New York, N. Y. Sound deadening structure. 2,001,733; May 21.
Kelsey-Hayes Wheel Company, The. (See Le Jeune, Frank H., assignor.)
Kelvinator Corporation. (See Greenwald, Harold A., assignor.)
Kelvinator Corporation. (See Heitmann, Edward, assignor.)
Kelvinator Corporation. (See Ohmart, Grayston R., assignor.)
Kemp, Archie R. (See Williams, R. R. and Kemp.)
Kemp, Charles and L., New York, N. Y. Lock. 2,002,014; May 21.
Kemp, Ervin F. (See Jensen, Karl E., assignor.)
Kemp, Irving. (See Kemp, Charles and I.)
Ken-Crip Corporation. (See Kennedy, Guy L., assignor.)
Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Valve. 2,002,182; May 21.
Kerr, Howard J. (See Bailey, E. G., Kerr and Hardgrove.)
Kerr, Howard J., Westfield, N. J., and I. L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 2,001,734; May 21.
Kerr, Howard J., Westfield, N. J., and I. L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 2,001,735; May 21.
Kleckhefer Container Company. (See Kleckhefer, H. M., and Dock, assignors.)
Kleckhefer, Herbert M., Riverton, N. J., and W. R. Dock, assignors to Kleckhefer Container Company, Milwaukee, Wis. Handle construction for baskets. 2,002,013; May 21.
Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Automatic control of antiknock liquids. 2,002,482; May 21.
Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Automatic control of antiknock liquids. 2,002,483; May 21.
Kimbrig, Louis, Brooklyn, N. Y. Furniture spring. 2,001,964; May 21.
King, William R., Schenectady, N. Y., assignor to General Electric Company, a Control system. 2,002,374; May 21.
Kinmucan, James W., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,001,913; May 21.
Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Trustee, Cleveland, Ohio. Laundry machine. 2,001,965; May 21.
Kirsch, Alfred. (See Wagner, H., Krzikalla, and Kirsch.)
Kjaer, Viggo A., Copenhagen, Denmark. Resilient coupling. 2,002,115; May 21.
Klinkert, Leonard, Eindhoven, Netherlands, assignor to Radio Corporation of America. Making grid electrodes. 2,002,148; May 21.
Klopfer, William H. (See Ammerman, J. W., Barker, Klopfer and Manss.)
Kluge, Abel and E., St. Paul, assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Inking mechanism for printing presses. 2,002,032; May 21.
Kluge, Eneval. (See Kluge, Abel and E.)
Kluitmann, Leo, Dusseldorf, Germany. Rotary duplicator. 2,002,321; May 21.

Kneeland, Herbert D., Dundalk, Md. Dish or pan lifter. 2,002,149; May 21.
Knorr-Bremse Aktiengesellschaft. (See Möller, Ernst, assignor.)
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lubrication of bearings. 2,001,823; May 21.
Kobe, Thomas R., Los Angeles, Calif. Roofing tile fastener. 2,002,206; May 21.
Koepp, Rudolph & Co. Chemische Fabrik A. G. (See Enderli, Max, assignor.)
Kohanek, Herman, Portland, Oreg. Rug-hooking device. 2,002,401; May 21.
Kohl, Thomas, Wilkes-Barre, Pa. Socket for artificial limbs. 2,002,064; May 21.
Konopka, Joseph, Detroit, Mich. Combined shock absorbing and stabilizing structure. 2,002,402; May 21.
Koppers Company of Delaware, The. (See Eymann, Constanz, assignor.)
Koppers Company of Delaware, The. (See Shoeld, Mark, assignor.)
Kopsa, Julius F., Chicago, Ill. Refrigerating system. 2,002,033; May 21.
Kosma, Gustav, assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Fishing reel construction. 2,002,403; May 21.
Kosten, Johannes and J. J. Verwys, Grand Rapids, Mich. Reflector. 2,002,015; May 21.
Krabbe, Roy J. (See Irelan, E. S., and Krabbe.)
Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Window regulator mechanism. 2,002,322; May 21.
Kral, Charles A., Steubenville, Ohio. Rolling strip material. 2,002,266; May 21.
Kreighbaum, Herbert S. (See Roberts, Harold P., assignor.)
Kremper, Julius, Oakland, Calif. Roofing tile. 2,002,244; May 21.
Krieg, Alfred, and J. A. Bundy, Fort Wayne, Ind., assignors to International Harvester Company. Dual wheel mounting. 2,002,290; May 21.
Kruta, Erich. (See Sedlmayr, R., and Kruta.)
Kryszewski, Stanley W., Carteret, and E. L. Cahoon, Westfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Cooling tower. 2,002,065; May 21.
Krzikalla, Hans. (See Wagner, H., Krzikalla, and Kirsch.)
Kulka, Eugene R., assignor to C. D. Wood Electric Co. Inc., New York, N. Y. Connecter element. 2,002,291; May 21.
Kumm, Arthur, Dearborn, Mich. Fishing bait. 2,001,844; May 21.
Kurz, Arthur L., assignor to Kurz Company, Chicago, Ill. Mixing device. 2,002,323; May 21.
Kurz Company. (See Kurz, Arthur L., assignor.)
Kyle, George L., assignor to U S L Battery Corporation, Niagara Falls, N. Y. Storage battery construction. 2,002,267; May 21.
Kyser, Smith, Philadelphia, Pa., assignor to Aircraft Specialties, Inc. Tool for inserting valve lock washers or keepers. 2,002,016; May 21.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,002,017; May 21.
Lakin, John W., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Latch. 2,001,787; May 21.
Lambach, Fritz, assignor to Robert Reiner, Inc., Weehawken, N. J. Knitting machinery. 2,002,116; May 21.
Lambourne, Herbert D., assignor of forty-five per cent to J. G. Onnen, and twenty per cent to J. W. Simpson, and ten per cent to S. E. Simpson, and five per cent to G. H. Becker, Baltimore, Md. Advertising device. 2,001,886; May 21.
Lamort, Marcel, assignor to Etablissements E. & M. Lamort Fils, Vitry-le-Francois, France. Pulp strainer. 2,002,404; May 21.
Lamson Company, The. (See Collar, Linus R., assignor.)
Lamson Company, The. (See Hart, S. T., and Marcy, assignors.)
Landis & Gyr, A.-G. (See Fürrer, Carl, assignor.)
Landis & Gyr, A.-G. (See Ogurkowski, Georg, assignor.)
Lange, Henry. (See Hodgkin, E. E., Wodell, and Lange.)
Langvand, Ivar L. (See Kerr, H. J., and Langvand.)
Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,002,405; May 21.
Lantz, Robert, assignor of one-half to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Dyeing. 2,002,406; May 21.
Larason, John E., Dayton, Ohio. Power transmission device. 2,001,736; May 21.
Larson, Iner J., Oaklyn, and J. J. Hoehn, Camden, N. J., assignors to Radio Corporation of America. Speed regulator. 2,002,150; May 21.
Larsson, Lars I. H., Snopptorp, Eskilstuna, Sweden. Perforated queen-excluder in beehives. 2,001,845; May 21.
Laser, Glenn A., Mansfield, Ohio. Electrical outlet and connecter for railway tracks. 2,002,034; May 21.
Lassen, Elvind V., West Allis, and E. W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor control system. 2,002,268; May 21.
Lavitt, James E., assignor to J. B. Watson, Everett, Wash. Artificial bait. 2,002,117; May 21.
Lawson, Albert R., Hamilton, Ontario, assignor, by mesne assignments, to American Sales Book Company, Limited, Toronto, Ontario, Canada. Triplicate manifolding book. 2,002,226; May 21.
Leaper, Percy J., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Stabilization of aldehyde products. 2,001,788; May 21.
Leavock, Michael J., Detroit, Mich. Adjustable wrench. 2,001,789; May 21.
Lecarpentier, George H., Chicago, assignor to A. G. McCaleb, Evanston, Ill. Combination thermometer and hydrometer. 2,002,183; May 21.
Lecarpentier, George H., Chicago, assignor to A. G. McCaleb, Evanston, Ill. Antifreeze indicator. 2,002,184; May 21.
Ledbetter, James C., Jackson Heights, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 2,002,185; May 21.
Ledwinka, Joseph, Philadelphia, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle frame. 2,001,846; May 21.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 2,002,269; May 21.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun sight. 2,002,324; May 21.
Lefevre-Utile, Michel M. J., Paris, France. Container for the transportation of goods. 2,002,422; May 21.
Le Jeune, Frank H., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,002,292; May 21.
Leland, Ragnvald G., New York, N. Y. Finger hair wave pincer. 2,002,325; May 21.
Lemke, Hugo C., Reedsville, Wis. Fuel storage tank. 2,002,407; May 21.
LeMoon, Axel R., assignor to Nelson-LeMoon Truck Company, Chicago, Ill. Axle mounting. 2,002,152; May 21.
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Non-self-starting clock-motor. 2,001,914; May 21.
L'Hollier, Leslie H. (See Diller, A. L., and L'Hollier.)
L'Hollier, Leslie H., Waltham, assignor to Hood Rubber Company, Inc., Watertown, Mass. Making ornamented rubber articles. 2,002,375; May 21.
Libbey-Owens-Ford Glass Company. (See Goodwillie, D. H., and Walters, assignors.)
Libbey-Owens-Ford Glass Company. (See Louviaux, Raoul J., assignor.)
Liebeskind, Bernhard, Berlin-Zehlendorf, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Pack of photographic plates. 2,002,035; May 21.
Lilienfeld, Julius E., Winchester, Mass. Asymmetric condenser and operating the same. 2,001,790; May 21.
Lincoln, Roy. (See Wooddell, C. E., Nelson, and Lincoln.)
Lind, Frederick A., assignor to Chrysler Corporation, Detroit, Mich. Valve mechanism. 2,002,270; May 21.
Linscott, Chester E., Saugus, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treating latex and product obtained thereby. 2,001,791; May 21.
Lintern, Alfred R. (See Wernicke, G., and Lintern.)
List, Raymond F., assignor to National Sewing Machine Company, Belvidere, Ill. Electrically lighted sewing machine head. 2,001,966; May 21.
Lockrow, Laurice L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. System for the neutralization of inductive interference. 2,001,847; May 21.
Lofstrand, Albin P., Chicago, Ill. Shock compressing attachment for grain shockers. 2,002,408; May 21.
Lombardi, Vincent, Garden City, N. Y. Knitted fabric. 2,002,271; May 21.
Lombi, Louis G., Teaneck, N. J. Ravioli machine. 2,001,792; May 21.
Long, Jon R., et al. (See Bullum, Stephen, assignor.)
Loose Leaf Metals Company. (See Newman, George W., assignor.)
Lorenz, William, and L. W. Pollack, New York, N. Y.; said Pollack assignor to said Lorenz. Doll eye mechanism. 2,002,326; May 21.
Louviaux, Raoul J., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting table. 2,002,348; May 21.
Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. End facing and centering machine. 2,002,186; May 21.
Lowensohn, Rose, New York, N. Y. Making proofs. 2,002,293; May 21.
Lulek, Ralph N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone derivatives. 2,001,737; May 21.
Lulek, Ralph N., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthrathiazole-anthraquinone carbonyl imides and preparing them. 2,001,738; May 21.
Lundeen, Edward F., Rock Island, Ill. Adjustable table. 2,002,349; May 21.
Lunsford, Errell C., Shreveport, La. Railway brake beam and bottom rod emergency support. 2,002,350; May 21.
Lyman, Kenneth E., Rockford, Ill. Automatic clutch. 2,001,931; May 21.
Lyon Incorporated. (See Lyon, George A., assignor.)

Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Unitary tire cover. 2,001,967; May 21.

Lyon, George A., Allenhurst, assignor to Lyon, Incorporated, Asbury Park, N. J. Shove down molded tire cover. 2,001,968; May 21.

Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. One piece arcuate tire cover. 2,001,969; May 21.

M. J. B. Company. (See Bardet, George A. and G. V., assignors.)

Mable, Maria S., San Francisco, Calif. Hair waving apparatus. 2,001,915; May 21.

Maccabee, William. (See Darling, T. H., and Maccabee.)

MacGregor, R., Albany, assignor to Standard Oil Company of California, San Francisco, Calif. Gas burner. 2,001,739; May 21.

MacLaren, Fred B., Clifton, N. J., assignor, by mesne assignments, to Revelation Patents Holding Company. Electron device. 2,002,207; May 21.

MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting & Refining Company, New York, N. Y. Retort clean-out machine. 2,001,881; May 21.

Maede, Leland S., Brooklyn, N. Y. Apparatus for roasting coffee. 2,002,094; May 21.

Mahn, Herbert. (See Irion, W., and Mahn.)

Malerie, George, Detroit, Mich. Lock. 2,001,824; May 21.

Manly Corporation. (See Centervall, Hugo, assignor.)

Mann, Harold B. (See Freed, H. H., and Mann.)

Mannheimer, Manfred, Berlin-Charlottenburg, Germany. Searchlight reflector. 2,002,376; May 21.

Manss, Frederick C. (See Ammerman, J. W., Barker, Klopfer, and Manss.)

Marcy, Willard A. (See Hart, S. T., and Marcy.)

Martin, Joseph, New York, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Edge supporting device. 2,001,882; May 21.

Martoccio, Frank A., Minneapolis, Minn. Method of and apparatus for applying nuts to candy bars. 2,002,018; May 21.

Marzolf, George B., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn. Air conditioning apparatus. 2,002,019; May 21.

Maul, Michael, Berlin-Johannesthal, Germany. Mechanical method of preparing statements, bills, and the like. 2,002,437; May 21.

Maurer, John A., Jr., New York, N. Y., assignor to Radio Corporation of America. Photographic printing apparatus and method for endless sound films. 2,002,151; May 21.

Maxson, Holland H., assignor to The Burdick Corporation, Milton, Wis. Electrosurgical apparatus. 2,002,116; May 21.

Maxwell, Charles G., Louisville, Ky., assignor, by mesne assignments, to The American Tobacco Company. Method of and apparatus for conditioning cigar wrapper leaf tobacco. 2,002,120; May 21.

May Oil Burner Corporation. (See Hall, Mora S., assignor.)

Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient connecter. 2,002,377; May 21.

Maze, Hamilton, assignor to W. H. Maze Company, Peru, Ill. Roll roofing fastener. 2,001,932; May 21.

Maze, W. H., Company. (See Maze, Hamilton, assignor.)

Mazer, Jacob, Stonehurst, Pa. Sound absorbing material. 2,001,916; May 21.

Mazer, Jacob, Stonehurst, Upper Darby Township, Delaware County, Pa. Sound-absorbing unit and making the same. 2,001,970; May 21.

McAlister, Alexander, Darlinghurst, near Sydney, New South Wales, Australia. Bag-sewing apparatus. 2,002,227; May 21.

McArdle, Michael W., and I. Jeppson, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Safety device for food choppers and the like. 2,001,793; May 21.

McBee Company, The. (See Welk, Nelson S., assignor.)

McCabe Mailer Corporation. (See Carpenter, Walter E., assignor.

McCabe, Ota A. (See McCabe, William R., assignor.)

McCabe, William R., assignor to O. A. McCabe, Seattle, Wash. Animal trap. 2,002,095; May 21.

McCaleb, Albert G. (See Lecarpentier, George H., assignor.)

McCann, George K., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,933; May 21.

McCann, John J., Jr., Lowell, Mass. Fabric expander for textile industry. 2,002,096; May 21.

McConkey, Montgomery W., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,001,971; May 21.

McDaniel, Donald J., Chicago, Ill. Dental instrument for removing impacted teeth. 2,002,245; May 21.

McEvoy, J. H., & Company. (See Howard, James H., assignor.

McFall, Frank H., assignor of one-half to A. L. Baker, Alliance, Ohio. Gas burner attachment. 2,001,972; May 21.

McFarlane, Maynard D., New York, N. Y. Method and apparatus for transmission of pictures. 2,002,208; May 21.

McGavock, Ephraim, Max Meadows, Va. Shot concentrator. 2,002,036; May 21.

McKenna, Charles J., assignor to Atlas Supply Company, Newark, N. J. Support for electric batteries undergoing charging. 2,002,037; May 21.

McKeon, Frank P., Branford, Conn. Radiator fitting. 2,002,038; May 21.

McKinnon, Herbert L., and M. E. First, assignors to C. O. Bartlett & Snow Company, Cleveland, Ohio. Apparatus for blending sand and like materials. 2,001,973; May 21.

McKittrick, Ralph. (See Norris, Paul, assignor.)

McMaster, Carlos L., Cleveland Heights, Ohio. Hose coupling. 2,002,121; May 21.

McMath, Robert R., Detroit, Mich. Humidifying apparatus or the like. 2,002,294; May 21.

McNirol, James T. D., assignor of three-fourths to David & John Anderson, Limited, Glasgow, Scotland. Collar for personal wear. 2,001,883; May 21.

McPhee, Harold L., Chicago, Ill. Condiment measuring and dispensing device. 2,002,039; May 21.

McPherson, Hal W., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerator latch. 2,001,740; May 21.

McRae, Randolph J., New York, N. Y., assignor to Radial Hydrocarbon Processes, Inc. Treating hydrocarbon oils. 2,001,741; May 21.

McWane, William, et al., executors. (See McWane, James R.)

McWane Cast Iron Pipe Company. (See McWane, James R., assignor.)

McWane, James R., deceased, Birmingham, A. T. and W. McWane and J. H. Calaniss, executors, assignors to McWane Cast Iron Pipe Co., Birmingham, Ala. Forming metal fortified packer gaskets. 2,002,122; May 21.

McWane, A. T., et al., executors. (See McWane, James R.)

Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Combined thermostatic and flame heat control for stove ovens. 2,002,409; May 21.

Mead, Milton S., Jr. (See Greentree, C. D., and Mead.)

Melton, Romie L., assignor to The Carborundum Company, Niagara Falls, N. Y. Apparatus and method of determining the tenacity of bonded granular bodies. 2,001,794; May 21.

Mendel, William, Beverly, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Artificial filament and its production. 2,002,153; May 21.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Tractive type relay. 2,002,475; May 21.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Tractive type relay. 2,002,476.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,002,477; May 21.

Metal Finishing Research Corporation. (See Tanner, R. R., and Thompson, assignors.)

Metal Finishing Research Corporation. (See Thompson, J. S., and Darsey, assignors.)

Metal & Thermit Corporation. (See Earle, Francis, assignor.)

Meyercord, George R., Chicago, Ill., and F. M. Curran, Grand Rapids, Mich., assignors, by mesne assignments, to Reconstruction Finance Corporation. Corner construction for furniture or the like. 2,002,228; May 21.

Michel, Harold J. V. (See Gordon, B., Jr., and Michel.)

Michelsen, William O., Long Island, assignor to Royal Typewriter Company Inc., New York, N. Y. Typewriting machine. 2,002,410; May 21.

Miller, Elliot A., New York, N. Y. Clothing container. 2,002,246; May 21.

Miller, Frank W., assignor to Yarnall-Waring Company, Philadelphia, Pa. Alarm water column. 2,002,327; May 21.

Miller, Herbert E., assignor to Utilities Service Company, Inc., Allentown, Pa. Strain device. 2,001,917; May 21.

Miller, John G., Baltimore, Md. Coin controlled mechanism. 2,002,123; May 21.

Mitchell, John E., Dallas, Tex. Cotton cleaning and reclaiming machine. 2,001,974; May 21.

Mitchell, Orville, assignor to Inside Tray Company, Dallas, Tex. Serving tray. 2,002,328; May 21.

Mock, Frank C., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Fuel feed control. 2,002,040; May 21.

Möller, Ernst, Karlshorst, assignor to Knorr-Bremse Aktiengesellschaft, Berlin, Germany. Pressure medium conduit. 2,002,329; May 21.

Moore, James D. (See Campbell, James H., assignor.)

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,001,742; May 21.

Morris, George W., et al. (See Brady, Lester C., assignor.)

Morrison, Willard L., Lake Forest, Ill. Air cooling and circulating device and process. 2,002,234; May 21.

Morrison, Willard L., Lake Forest, Ill. Air cooling and circulating device. 2,002,235; May 21.

Morrison, Willard L., assignor to The Dole Valve Company, Chicago, Ill. Mirror device. 2,001,743; May 21.

Morse, Bowen B., Manitowoc, Wis. Grain door. 2,002,154; May 21.

Moser, Wilhelm, Riehen, near Basel, and W. Floroni, Binningen, near Basel, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivative and making the same. 2,002,247; May 21.

Motor Jack Corporation. (See Wolf, August M., assignor.)

Mowry, Edward, Rock Falls, Ill., assignor to International Harvester Company. Disk harrow. 2,002,272; May 21.

Moxley, Stephen D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Apparatus for relieving shocks on scales. 2,002,411; May 21.

Muehleisen, George H., Canton, Ohio. Traffic sign. 2,002,248; May 21.

Mueller, George S. (See Ingmanson, J. H., and Mueller.)

Munson Bag Company, The. (See Munson, John M., assignor.)

Munson, John M., Lakewood, assignor to The Munson Bag Company, Cleveland, Ohio. Bag and making same. 2,001,934; May 21.

Murchie, Jack. (See Murchie, John T., Jr., assignor.)

Murchie, John T., Jr., assignor to J. Murchie, Portsmouth, Ohio. Spool holder. 2,002,412; May 21.

Murdock, Charles L., Ann Arbor, and C. C. Cobb, Lansing, assignors to Dail Steel Products Company, Lansing, Mich. Hot air heating furnace. 2,002,295; May 21.

Murray, Linwood A. (See Brown, T., and Murray.)

N. V. Philips, Gloielampenfabrieken. (See van Geel, W. C., and Emmens, assignors.)

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,002,413; May 21.

National Cash Register Company, The. (See Christian, Raymond A., assignor.)

National Cash Register Company, The. (See Frank, John P., assignor.)

National Lock Co. (See North, Edwin W., assignor.)

National Rubber Machinery Company. (See De Mattia, Peter, assignor.)

National Sewing Machine Company. (See List, Raymond F., assignor.)

National Standard Company. (See Domm, Elgin C., assignor.)

Neal, Albert E. T. (See Twiss, D. F., Neale, and Wilson.)

Neelmeier, Wilhelm. (See Nocken, T., and Neelmeier.)

Nelson, Charles S. (See Wooddell, C. E., Nelson, and Lincoln.)

Nelson, James R., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Automatic volume control. 2,001,825; May 21.

Nelson-LeMoon Truck Company. (See LeMoon, Axel R., assignor.)

Neuenschwander, Otto, Kilchberg, Switzerland. Electric driving device. 2,002,124; May 21.

Nevius, Wilford J., Washington, D. C. Card table top. 2,001,918; May 21.

Newman, George W., St. Louis, Mo., assignor to Loose Leaf Metals Company, Post binder. 2,002,155; May 21.

Niagara Smelting Corporation. (See Brallier, Paul S., assignor.)

Niagara Blower Company. (See Bulkeley, Claude A., assignor.)

Nilsson, Nils T. A., Elma, Wash. Flea beetle catcher. 2,002,041; May 21.

Nocken, Elisabeth, administratrix. (See Nocken T. and Neelmeier.)

Nocken, Theodor, deceased, Leverkusen-I. G. Werk, Germany, by E. Nocken, Frankfort-on-the-Main, administratrix, and W. Neelmeier, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the naphthophenazine series. 2,001,975; May 21.

Nolte, John J., Los Angeles, Calif. Preparing, packaging, and serving frozen confections. 2,001,919; May 21.

No-Nail Cases Proprietary Limited. (See Kamper, Andrew M., assignor.)

Nordahl, John G., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,002,209; May 21.

Norris, Paul, Ardmore, assignor of forty-five one-hundredths to R. McKittrick, Villanova, Pa. Container closure. 2,002,125; May 21.

North, Edwin, W., assignor to National Lock Co., Rockford, Ill. Lock. 2,002,453; May 21.

North, Mortimer S. (See Schreiber, Louis H., assignor.)

North American Holding Corporation. (See Avery, Alfred H., assignor.)

Northern Maine Plywood Company. (See Winchell, Thomas R., assignor.)

Nyborg, Marinus J. C., Columbia Heights, assignor of two-fifths to F. H. Hosmer, Minneapolis, Minn. Heat retarder. 2,002,020; May 21.

Nyquist, August R., Roseau, Minn. Electrode for arc welding. 2,001,848; May 21.

Ocean City Manufacturing Company. (See Kosma, Gustav, assignor.)

Ogurkowski, Georg, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Motor driven switch mechanism. 2,001,920; May 21.

O'Hare, E. J., et al. (See Bacon, Willard M., Jr., assignor.)

Ohmart, Grayston R., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,001,885; May 21.

Ohmsorge, Otto, Bochum, Germany. Friction drive. 2,002,126; May 21.

O'Horn, John B. (See Sensiba, Frederick H. and C. W., assignors.)

Oilgear Company, The. (See Ferris, Walter and J. P., Fobinn, and Benedek, assignors.)

Olshei, John R., and E. V. Schaal, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield storm screen. 2,002,438; May 21.

Ollendorff, Jacques, assignor to Anciens Etablissements R. Cornely & Cie., Société Anonyme, Paris, France. Machine for drawing threads from fabrics. 2,002,414; May 21.

Olsen, Johannes, assignor to Bnaas Mejerimaskinfabrikker, Afdeling Af Aktieselskabet Frederiksberg Metalvarefabrik, Aalborg, Denmark. Regenerative pasteurization apparatus. 2,001,849; May 21.

O'Neal, Nathaniel P., Hope, Ark. Manhole and cistern construction. 2,002,127; May 21.

Onnen, John G., et al. (See Lambourne, Herbert D., assignor.)

Osborn Manufacturing Company, The. (See Frost, Clinton E., assignor.)

Ostrander, Allen E. (See Wasberg, Axel, assignor.)

Otis, Harold A., Glen Ellyn, assignor to Chicago North Shore & Milwaukee Railroad Company, Chicago, Ill. Transportation means. 2,001,935; May 21.

Otto, Peter, Dusseldorf-Oberkassel, Germany. Producing seamless drawn tubes and other tubular articles. 2,002,415; May 21.

Outboard Motors Corporation. (See Evinrude, Ole, assignor.)

Owen Silent Spring Company, The. (See Dietrich, Charles, assignor.)

Owens, Freeman H., New York, N. Y. Sound film apparatus. 2,002,351; May 21.

Owens, Freeman H., New York, N. Y. Sound film apparatus. 2,002,352; May 21.

Owens-Illinois Glass Company. (See Barnard, Randolph H., assignor.)

Owens, Samuel H., Altoona, Pa. Movable abutment for container vehicles. 2,002,439; May 21.

Owens, Samuel H., Altoona, Pa. Movable abutments for container vehicles. 2,002,440; May 21.

Oyston, William R., Melbourne, Victoria, Australia. Apparatus for controlling excessive movements in sprung bodies on motor driven road vehicles. 2,002,249; May 21.

Packard Motor Car Company. (See Christman, John M., assignor.)

Palmer, Mary L. (See Palmer, William A., assignor.)

Palmer, William A., deceased, Muhlenberg Township, Berks County, Pa., W. S. Palmer, administrator, assignor to M. L. Palmer. Collapsible mold for concrete burial vaults. 2,001,795; May 21.

Palmer, Willard S., administrator. (See Palmer, William A.)

Panzegrau, Norman O., Chicago, Ill. assignor to International Harvester Company. Track type tractor. 2,002,274; May 21.

Parker, Arthur H. (See Sebell, Harry, assignor.)

Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,926; May 21.

Parker, Humphrey F., assignor to Bendix Brake company, South Bend, Ind. Brake. 2,001,927; May 21.

Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,928; May 21.

Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,929; May 21.

Parker, William H., and H. Jaffe, Chicago, Ill., assignors, by mesne assignments, to Sears, Roebuck and Co. Humidifier. 2,002,273; May 21.

Pass & Seymour, Inc. (See Despart, Victor R., assignor.)

Pathescope Limited. (See Newman, Arthur S., assignor.)

Patterson, David H., Jr., assignor to Fibreboard Products Inc., San Francisco Calif. Carton. 2,001,850; May 21.

Patterson, James M., San Antonio, Tex. Lifting jack. 2,001,744; May 21.

Paulus, Nickolaus, Brooklyn, N. Y. Adjustable window seat. 2,001,796; May 21.

Payne, Claron R., and D. R. Stevens, assignors to Gulf Refining Company, Pittsburgh, Pa. Refining gasoline produced by cracking. 2,002,250; May 21.

Pearson, Charles, Waverly, Fla., assignor to International Harvester Company. Tilting mechanism for mowers. 2,002,275; May 21.

Peik, Louis D. (See Wean, R. J., and Peik.)

Perkins Cementing, Inc. (See Harrington, Leonard E., assignor.)

Peroni, Carmela. (See Caroni, Patsy, assignor.)

Perser Corporation, The. (See Ives, Herbert E., assignor.)

Peterson, Adolphe C., Minneapolis, Minn. Drive and suspension means. 2,002,210; May 21.

Peterson, Levander, assignor to James H. Rhodes & Company, Chicago, Ill. Machine for making metal wool. 2,001,940; May 21.

Peterson, Peter, assignor to The City Auto Stamping Company, Toledo, Ohio. Method and apparatus for making sheet metal articles. 2,002,097; May 21.

Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)

Petroleum Rectifying Company of California. (See Worthington, John T., assignor.)
Petteys, Howard L., Perrysburg, Ohio. Lawn edger. 2,001,921; May 21.
Pfaudler Co., The. (See Greene, Otto W., assignor.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Pittman, Ralph R., Pine Bluff, Ark. Excess-voltage protective structure. 2,002,042; May 21.
Pollack, Lazurus W. (See Lorenz, W., and Pollack.)
Pope, Arthur J., New York, N. Y. Support for awnings or sunshades. 2,002,296; May 21.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. High frequency coupling transformer. 2,002,187; May 21.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Furnace wall. 2,002,276; May 21.
Pribble, Emerson W., Oklahoma City, Okla. Apparatus for sampling liquids. 2,001,922; May 21.
Price, Owen A., Kilmarnock, Scotland. Producing artificial waves. 2,002,043; May 21.
Price, William K., Yakima, Wash. Eye shield. 2,002,098; May 21.
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Prosser, De Leon A., et al. (See Timberlake, Journey F., assignor.)
Public, Free use of the. (See Thurber, Francis H.)
Pullen, Fred W., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Bumper for carpet sweepers. 2,001,745; May 21.
Purdy, George H. (See Robertson, J., and Purdy.)
Quaker City Iron Works. (See Jensen, James A., assignor.)
Quincy Stove Manufacturing Co. (See Hodgkin, E. E., Wodell, and Lange, assignors.)
Rabezzana, Hector, and A. J. Battey, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Spark plug cleaning device. 2,001,886; May 21.
Rabezzana, Hector, and A. J. Battey, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Spark plug cleaning device. 2,001,887; May 21.
Radial Hydrocarbon Processes, Inc. (See McRae, Randolph L., assignor.)
Radio Corporation of America. (See Engel, Francis H., assignor.)
Radio Corporation of America. (See Klinkert, Leonard, assignor.)
Radio Corporation of America. (See Larson, I. J., and Hoehn, assignors.)
Radio Corporation of America. (See Maurer, John A., Jr., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Round, H. J., and Rust, assignors.)
Radio Corporation of America. (See Rust, Nöel M., assignor.
Radio Corporation of America. (See Tellegen, Bernardus D. H., assignor.)
Radio Corporation of America. (See Wells, Norman, assignor.
Radio Research Laboratories Inc. (See Heany, J. A., and St. Laurent, assignors.)
Randolph, Donald W., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Spark plug electrode. 2,001,888; May 21.
Raney, Clemma R. (See Johnston, E. A., Raney, and Johnson.)
Rash, Frank J., assignor of one-half to E. W. Barth, Chicago, Ill. Nozzle. 2,001,889; May 21.
Rawson, Emanuel, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. 2,002,156; May 21.
Raytheon Production Corporation. (See Nelson, James R., assignor.)
Reconstruction Finance Corporation. (See Meyercord, G. R., and Curran, assignors.)
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 2,002,157; May 21.
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 2,002,158; May 21.
Reidenbaugh, Ray A., Marion, Ohio. Display rack. 2,002,128; May 21.
Reilly, John L., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricator. 2,001,746; May 21.
Reiner, Robert, Inc. (See Lambach, Fritz, assignor.)
Reinken, Louis W., Brooklyn, N. Y., assignor, by mesne assignments to Federal Telegraph Company, Newark, N. J. Remote control device. 2,002,353; May 21.
Rensselaer Valve Company. (See Rowe, E. L., and Taylor, assignors.)
Reo Motor Car Company. (See Furgason, Claude E., assignor.)
Research Inc. (See Huggett, Martin C., assignor.)
Revelation Patents Holding Company. (See MacLaren, Fred B., assignor.)
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reynolds Spring Company. (See Reed, Clair S., assignor.)
Rheinische Metallwaaren- und Machinenfabrik. (See Gletmann, Anton, assignor.)
Rhodes, James H., & Company. (See Peterson, Levander, assignor.)
Richardson, Walter G., South Gardner, Mass. Bird bath. 2,002,378; May 21.
Riddell, John T., Evanston, Ill. Baseball shoe cleat. 2,001,976; May 21.
Riddell, John T., Chicago, Ill. Making shoe cleats or similar articles. 2,001,977; May 21.
Riley, Edward J., assignor to Smith Separator Corporation, Tulsa, Okla. Oil and gas separator. 2,001,851; May 21.
Rix, Edward G., assignor to The International Check Endorser Co., Chicago, Ill. Type cylinder printing device. 2,001,890; May 21.
Road Supply Co. (See Church, Omer F., assignor.)
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Transmission clutch. 2,002,478; May 21.
Roberts, Harold P., Nitro, W. Va., assignor, by mesne assignments, to H. S. Kreighbaum, Akron, Ohio. Making phosphorus oxychloride. 2,002,277; May 21.
Robertson, James, and G. H. Purdy, San Francisco, Calif. Liquid cooler. 2,001,923; May 21.
Rock, Ida R., Brooklyn, N. Y. Silhouette form. 2,002,441; May 21.
Roehrl, Bruno C. (See Bornmann, C., and Roehrl.)
Rohm & Haas Company. (See Bruson, H. A., and Stein, assignors.)
Roland, Esten U., Shiloh, Ohio. Frying pan cover. 2,002,237; May 21.
Römer, Raoul, Biel, Switzerland. Illuminating element. 2,001,852; May 21.
Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Modulation. 2,001,891; May 21.
Rose, Herbert A. (See West, H. C., and Rose.)
Ross, Oscar A., New York, N. Y. Method and apparatus for forming sound motion picture records. 2,002,188; May 21.
Rothenstein, Otto, Chicago, Ill. Structural element. 2,002,044; May 21.
Round, Henry J., London, and N. M. Rust, Chelmsford, England, assignors to Radio Corporation of America. Acoustic device. 2,002,189; May 21.
Round, Henry J., London, England, assignor to Radio Corporation of America. Acoustic device. 2,002,190; May 21.
Rouse, Howard, Lewiston, Idaho. Surgical fracture extension appliance. 2,002,021; May 21.
Rowe, Ellis L., Round Lake, and S. Taylor, assignor to Rensselaer Valve Company, Cohoes, N. Y. Check valve operating device. 2,001,941; May 21.
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Royal Typewriter Company. (See Michelsen, William O., assignor.)
Ruan, Felix F., Deptford, London, England. Cigarette making machinery. 2,002,045; May 21.
Ruben, Samuel, New Rochelle, N. Y. Voltaic couple. 2,001,978; May 21.
Runge, Wilhelm, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving apparatus. 2,001,747; May 21.
Runze, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 2,002,191; May 21.
Rupp, Herbert E., assignor to Gorman-Rupp Company, Mansfield, Ohio. Centrifugal self priming pump. 2,002,454; May 21.
Russell, Andrew N., and H. Ulmann, Montreal, Quebec, assignors to Dominion Engineering Works, Limited, Lachine, Quebec, Canada. Machine for balancing heavy bodies. 2,001,826; May 21.
Rust, Nöel M. (See Round, H. J., and Rust.)
Rust, Nöel M., Chelmsford, England, assignor to Radio Corporation of America. Electrical circuit arrangement. 2,002,192; May 21.
Ruth Company, The. (See Ruth, J. P., and Woelbing, assignors.)
Ruth, Joseph P., and G. H. Woelbing, assignors to The Ruth Company, Denver, Colo. Clutch with synchronizing means. 2,001,892; May 21.
Ryalls, John H., et al. (See Timberlake, Journey F., assignor.)
Ryan, Frank P., assignor to Chrysler Corporation, Detroit, Mich. Striping device. 2,002,278; May 21.
Ryden, Eric H., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 2,001,797; May 21.
Ryerson, Creighton W., assignor to Ryerson & Haynes, Inc., Jackson, Mich. Hub cap. 2,002,159; May 21.
Ryerson & Haynes, Inc. (See Ryerson, Creighton W., assignor.)
Saalbach, Arthur A., East Orange, N. J., assignor to American Can Company, New York, N. Y. Container closure. 2,001,748; May 21.
Sabins, George G., Glendale, assignor to Samuels-Kleiner, Ltd., Los Angeles, Calif. Separable fastener. 2,001,942; May 21.
St. Laurent, Herbert. (See Heany, J. A., and St. Laurent.)

Samuels-Kleiner, Ltd. (See Sabins, George G., assignor.)
Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Valve assembly for compensators. 2,001,749; May 21.
Scanlon, John F., Edgewood, R. I. Advertising device. 2,001,979; May 21.
Schaal, Earl V. (See Olshel, J. R., and Schaal.)
Schering-Kahlbaum A. G. (See Schoeller, W., and von Schickh, assignors.)
Schilke, Edward, Middletown, Conn. Battery terminal. 2,002,099; May 21.
Schilling, Heinrich. (See Elsenhut, O., Schilling, and Baumann.)
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Colorimetric method and apparatus adapted for gas mixing control. 2,002,279; May 21.
Schnitzer, Robert. (See Streitwolf, K., Pehrle, Herrmann, Fritzsche, and Schnitzer.)
Schoeller, Walter, Berlin-Westend and O. von Schickh, Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Amino anthyridines and making same. 2,002,280; May 21.
Scholtes, Albert J., Baltimore, Md. Polycycle propulsion means. 2,002,046; May 21.
Schoenky, August R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Peterson, N. J. Shoe-conveying system. 2,001,750; May 21.
Schreiber, Louis H., assignor of one-half to M. S. North, Chicago, Ill. Display device. 2,001,798; May 21.
Schroeder, Emil F., Weyauwega, Wis. Rodent trap. 2,002,129; May 21.
Schulze Baking Company. (See Bear, Velma M., assignor.)
Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Shipping container with mechanical jack. 2,002,455; May 21.
Sears, Roebuck and Co. (See Parker, W. H., and Jaffe, assignors.)
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Method of and apparatus for making a can. 2,002,456; May 21.
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Can. 2,002,457; May 21.
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Can. 2,002,458; May 21.
Seco Manufacturing Company. (See Signor, William E., assignor.)
Sedlmayr, Robert, and E. Krutak, Aussig, Czechoslovakia. Fluoranthene dyestuff and making same. 2,002,130; May 21.
Seeger, Edwin W. (See Lassen, P. J., and Seeger.)
Seelye, Howard P., Royal Oak, Mich. Car wire guard. 2,001,892; May 21.
Segal, Hyman R., New York, N. Y. Safety razor and blade. 2,002,297; May 21.
Segal, Hyman R., New York, N. Y. Safety razor and blade. 2,002,298; May 21.
Seghers, Emiel P., Chicago, Ill. Top for percolators and the like. 2,002,354; May 21.
Seghers, Emiel P., Chicago, Ill. Percolator top. 2,002,355; May 21.
Self-Locking Carton Co. (See Stone, Raymond, assignor.)
Sensiba, Claude W. (See Sensiba, Frederick H. and C. W.)
Sensiba, Frederick H. and C. W., Crystal Falls, Mich., assignors of one-third to J. B. O'Hora, Green Bay, Wis. Defective light signal. 2,002,251; May 21.
Sera, Samuel, and J. Hatala, Erie, Pa. Airplane. 2,002,299; May 21.
Sevener, William T. (See Terwilliger, S. M., and Sevener.)
Seward, Clarence L., Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level indicator. 2,001,853; May 21.
Sexton, Isaac E., Winchester, Mass. Closure. 2,001,980; May 21.
Seyfried, Arthur W., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Electric motor. 2,001,799; May 21.
Seyfried, Florence R. (See Dohm, Elizabeth, assignor.)
Shafer, George J., assignor of one-third to R. Cody, Jacksonville, Oreg. Trailer hitch. 2,002,416; May 21.
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Vehicle. 2,001,751; May 21.
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Vehicle. 2,002,356; May 21.
Shoe Form Co. (See De Witt, William J., assignor.)
Sheeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Purification and separation of gaseous mixtures. 2,002,357; May 21.
Shoemaker, Fred G., Ferndale, and G. B. Ehrling, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine cylinder block. 2,001,854; May 21.
Siemens & Halske Aktiengesellschaft. (See Fischer, E., and Gantzekow, assignors.)
Siemens & Halske Aktiengesellschaft. (See Gosslau, Fritz, assignor.)
Signor, William E., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa. Wigwag signal. 2,002,330; May 21.
Signor, William E., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa. Signal lens means. 2,002,331; May 21.
Signor, William E., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa. Signal structure. 2,002,332; May 21.
Silbermann, Eugen, Oradeamare, Rumania, assignor to Explorotor A. G., Glarus, Switzerland. Rotor for rotary engines. 2,001,800; May 21.
Simpson, Harold W., Long Eaton, near Nottingham, assignor to William Gibson & Son, Limited, Nottingham, England. Knitting machine. 2,002,417; May 21.
Simpson, John M. (See Heck, H. J. and Simpson.)
Simpson, John W., et al. (See Lambourne, Herbert D., assignor.)
Simpson, Stanley E., et al. (See Lambourne, Herbert D., assignor.)
Sinclair, Frank E., Claremont, N. H., assignor to Sullivan Machinery Company. Securing device. 2,001,752; May 21.
Singer Manufacturing Company, The. (See Corrall, H., and Heggie, assignors.)
Sippel, John J., Upper Darby, assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Cake washing and conditioning machine. 2,002,418; May 21.
Skyter, Arthur T., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Cold heading. 2,001,981; May 21.
Skenandoa Rayon Corporation. (See Gordon, B., Jr., and Michel, assignors.)
Small, Alfred B. (See House, S. G., and Small.)
Smith, Anthony N., assignor to The Girard Model Works, Inc., Girard, Pa. Electrically lighted toy. 2,002,358; May 21.
Smith, Arthur, Pasadena, Calif. Scrub bucket dolly. 2,001,894; May 21.
Smith, Earle R., Alhambra, Calif., assignor, by mesne assignments, to E. F. Callan. Comb attachment for carpet sweepers. 2,001,982; May 21.
Smith, Earle S., assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio. Odor eliminating device. 2,001,828; May 21.
Smith, Horace L., Jr., assignor to Thermal Engineering Corporation, Richmond, Va. Air distribution. 2,001,801; May 21.
Smith, L. C., & Corona Typewriters Inc. (See Avery, Henry A., assignor.)
Smith Separator Corporation. (See Riley, Edward J., assignor.)
Smith, Sheffield, North Providence, R. I. Shock absorber. 2,002,400; May 21.
Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis. (See Lantz, Robert, assignor.)
Society of Chemical Industry in Basle. (See Hauser, H., and Rommer, assignors.)
Society of Chemical Industry in Basle. (See Moser, W., and Floroni, assignors.)
Sorg, H. Theodore. (See Coursen, George L., assignor.)
Spencer, Alexander, Westminster, London, England. India-rubber spring. 2,001,855; May 21.
Spencer, Phillip L., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Shuttle eye. 2,002,131; May 21.
Spettel, George F., St. Paul, Minn. Combination doorstep. 2,001,802; May 21.
Spiros, Sam, Chicago, Ill. Paste dispensing device. 2,001,983; May 21.
Stam, Martinus J., The Hague, Netherlands. Apparatus for the converting of milky liquids, solutions, dispersions, and emulsions into powder form by drying. 2,002,252; May 21.
Standard Oil Company. (See Blair, Frank O., assignor.)
Standard Oil Company. (See Wheeler, Russell C., assignor.)
Standard Oil Company. (See Whitman, Walter G., assignor.)
Standard Oil Company of California. (See MacGregor, John R., assignor.)
Standard Oil Development Company. (See Fischer, Herbert G. M., assignor.)
Standidge, Harry W., Chicago, Ill. Game apparatus. 2,001,829; May 21.
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic current regulator. 2,002,281; May 21.
Steeple, Reginald C., San Mateo, Calif. Glass holding construction. 2,001,943; May 21.
Stein, Otto. (See Bruson, H. A., and Stein.)
Stephens, William T., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Earth handling device. 2,001,803; May 21.
Stepp, Howard W. (See Bradley, Leonard, assignor.)
Stevens, Donald R. (See Payne, C. R., and Stevens.)
Stevenson, Holland N. (See Wright, Gilbert, assignor.)
Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 2,002,300; May 21.
Stogsdill, Earl W., Lynwood, Calif. Oil well cement mixer. 2,002,419; May 21.

Stone, Raymond, New York, N. Y., assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 2,001,984; May 21.
Storms, Mark C., Fort Madison, Iowa. Culvert. 2,002,301; May 21.
Strauss, Hermann M. A., Western Springs, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Portable household mixer and juice extractor. 2,002,333; May 21.
Strebler, George L., St. Louis, Mo. Two stroke cycle internal combustion engine. 2,001,985; May 21.
Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden on Taunus, W. Herrmann, P. Fritzsche, and R. Schnitzer, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Bismutho-benzene-aronic-etibonic acid compounds and making them. 2,001,986; May 21.
Strong, Basil P., Atwater Village, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Excavating bucket. 2,001,924; May 21.
Strongson, Herman L., New York, N. Y., assignor to Beaver Manufacturing Company, Newark, N. J. Electric connecter plug. 2,002,302; May 21.
Strosk, Mark, Berkeley, Calif. Coffee preserver. 2,002,420; May 21.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)
Sullivan Machinery Company. (See Reilly, John L., assignor.)
Sullivan Machinery Company. (See Sinclair, Frank E., assignor.)
Sundstrand Machine Tool Co. (See Swanson, Fred R., assignor.)
Superheater Company, The. (See Rawson, Emanuel, assignor.)
Swanson, Fred R., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Rotatable work table. 2,002,442; May 21.
Sykes, William E., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Feed mechanism for metal cutting machines. 2,001,987; May 21.
Sylvania Industrial Corporation. (See Mendel, William, assignor.)
Synero Machine Company. (See Fantone, C. B., and Jamesson, assignors.)
Tanner, Robert R., Highland Park, and J. S. Thompson, assignors to Metal Finishing Research Corporation, Detroit, Mich. Coated copper article and making the same. 2,001,753; May 21.
Taylor, Cecil H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,944; May 21.
Taylor, John D., Glasgow, Scotland. Lock switch. 2,002,047; May 21.
Taylor, Ormond J. (See Broome, John E., assignor.)
Taylor, Stanley. (See Rowe, E. L., and Taylor.)
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial filaments, threads, ribbons, films, and similar materials. 2,002,066; May 21.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ilberg, Waldemar, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Tellegen, Barnardus D. H., Eindhoven, Netherlands, assignor to Radio Corporation of America. High frequency network. 2,002,193; May 21.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Control mechanism. 2,001,988; May 21.
Ternstedt Manufacturing Company. (See Lakin, John W., assignor.)
Terwilliger, Seely M., and W. T. Sevener, Los Angeles, Calif., assignor of one-fourth to C. B. Foster, Glendale, Calif. Direction signal. 2,002,022; May 21.
Tessky, Karl, Esslingen-on-the-Neckar, Germany. Work piece guide for machine tools. 2,002,282; May 21.
Texas Company, The. (See Cox, Edwin R., assignor.)
Thayer, Howard P., Evanston, Ill. Cigarette holder. 2,001,827; May 21.
Thermal Engineering Corporation. (See Smith, Horace L., Jr., assignor.)
Theuerkauf, Friedrich, Nowawes/Potsdam, Germany. Apparatus and method of transporting live fishes. 2,001,989; May 21.
Thicke, Claude S. (See De Bou, H. G. and Thicke.)
Thomas, Adolph A., New York, N. Y. Remote control device for radioreceivers. 2,002,443; May 21.
Thomas, Cecil A., Lawrenceville, Va. Extensible temporary bridge. 2,002,048; May 21.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Controlling device. 2,002,379; May 21.
Thompson, Herbert A., Benton, Northumberland, England. Separator for liquids having different specific gravities. 2,002,253; May 21.
Thompson, John S. (See Tanner, R. R. and Thompson.)
Thompson, John S., and V. M. Darsey, assignors to Metal Finishing Research Corporation, Detroit, Mich. Method and material for producing phosphate coating. 2,001,754; May 21.
Thomson, Bernard, Combe Close, Woldingham, England, assignor to General Motors Corporation, Detroit, Mich. Synchronizing clutch. 2,001,856; May 21.
Thousand, Adolph, Cedar Rapids, Iowa. Air conditioning device. 2,002,023; May 21.
Throckmorton, John W., New York, N. Y., assignor to Gyro Process Company, Detroit, Mich. Process and apparatus for converting hydrocarbon oils. 2,002,160; May 21.
Thurber, Francis H., Washington, D. C., Dedicated to the Free use of the Public. Manufacture of starches. 2,001,925; May 21.
Timberlake, Journey F., Charlottesville, assignor of twelve and one-fourth per cent to D. A. Prosser, Petersburg, twelve and one-fourth per cent to J. H. Ryalls, twelve and one-fourth per cent to L. G. Wolff, and twelve and one-fourth per cent to R. Winston Dabney, Richmond, Va. Shuttle motion for looms. 2,002,194; May 21.
Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,001,895; May 21.
Tisseyre, Louis, and I. Cotnareanu, Paris, France, assignors to G. P. Cowles, Waterbury, Conn. Electric timepiece. 2,002,421; May 21.
Toledo Porcelain Enamel Products Company, The. (See Smith, Earle S., assignor.)
Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
Toledo Scale Manufacturing Company. (See Thomas, Edward G., assignor.)
Toomey, John F., New York, N. Y., and W. E. Hogan, South Boston, Mass., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,002,212; May 21.
Torney, Franklin L., Quincy, Mass. Motor crank case or the like. 2,002,211; May 21.
Török, Gábor, Budapest, Hungary. Esterification of organic acids, with separation of the esters in highly concentrated form. 2,001,926; May 21.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Attachment plug receptacle. 2,001,990; May 21.
Treloar, James, Hamilton, New Zealand. Steam generator. 2,002,254; May 21.
Trembour, Max R., Beaver, and H. Wilson, Jr., assignors to Jessop Steel Company, Washington, Pa. Manufacturing composite metal articles. 2,002,229; May 21.
Trico Products Corporation. (See Bean, Barton A., Jr., assignor.)
Trico Products Corporation. (See Hueber, Henry, assignor.)
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Trico Products Corporation. (See Olshel, J. R., and Schaal, assignors.)
Triplett, Ray L., Bluffton, Ohio. Audion tube tester. 2,001,945; May 21.
Trout, Charles L., New York, N. Y., assignor to C. L. Trout, trustee. Scarf pin and holder. 2,002,195; May 21.
Trout, Charles L., trustee. (See Trout, Charles L., assignor.)
Truscott, Jas., & Son, Limited. (See Boyce, Harold A., assignor.)
Tschappat, Sheridan P., Tulsa, Okla. Tubing head. 2,001,946; May 21.
Turnstedt Manufacturing Company. (See Field, Herbert C., assignor.)
Twiss, Douglas F., Wylde Green, A. E. T. Neale, Ward End, and J. A. Wilson, Erdington, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Cold vulcanization of rubber. 2,002,067; May 21.
U S L Battery Corporation. (See Kyle, George L., assignor.)
Ucko, Bernard, North Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Engine brake. 2,002,196; May 21.
Ulmann, Hans. (See Russell, A. N., and Ulmann.)
Union Oil Company of California. (See Gard, Earle W., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
United Shoe Machinery Corporation. (See Bates, A., and Choice, assignors.)
United Shoe Machinery Corporation. (See Buckminster, Ira C., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
United States Gypsum Company. (See Gustafson, Joseph G., assignor.)
United States Rubber Company. See Eger, Ernst, assignor.)
United States Rubber Company. (See Gammeter, John R., assignor.)

United States Rubber Company. (See Hurt, Victor H., assignor.)
United States Rubber Company. (See Leaper, Percy J., assignor.)
United States Rubber Company. (See Linscott, Chester E., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
Upham, George F., Bronxville, N. Y. Attachment for containers. 2,001,947; May 21.
Urschel, William E., Valparaiso, Ind. Cherry stemmer. 2,002,161; May 21.
Utilities Service Company. (See Miller, Herbert E., assignor.)
Uyematsu, Miyosaku, Montebello, Calif. Developing ornamental plants from ordinary vegetable plants. 2,002,164; May 21.
Valby, Edgar P., and M. L. Arnold, Long Beach, Calif. Method and apparatus for continuously determining vapor pressure. 2,002,101; May 21.
Valley Mould & Iron Corporation. (See Kauffman, Edmund J., assignor.)
Vanden Brande, Peter, Freeport, N. Y. Hanger device for storm windows. 2,002,160; May 21.
Vanderpool, John F., et al. (See Baker, Hallis, assignor.)
Vandervoort, Milford T., assignor to E. A. Wedemeier, Grand Rapids, Mich. Self-closing detachable theater seat. 2,001,991; May 21.
Van Geel, Willem C., and H. Emmens, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Dry rectifier. 2,002,221; May 21.
Van Wyk, Paul, and I. R. Acheson, Portland, Oreg., assignors to Food Machinery Corporation, San Jose, Calif. Package diverting device. 2,001,927; May 21.
Veaux, William M., Seattle, Wash. Apple box. 2,002,102; May 21.
Verlinden, Edmond, Milwaukee, Wis. Musical instrument controlling means. 2,002,162; May 21.
Verlinden, Edmond, Milwaukee, Wis. Rerolling speed control for musical instruments. 2,002,163; May 21.
Verwys, John J. (See Kosten, J., and Verwys.)
Visking Corporation, The. (See Clement, Sylvester, assignor.)
Viviano, Philip, St. Louis, Mo. Vehicle spring suspension. 2,002,459; May 21.
Von Schickh, Otto. (See Schoeller, W., and von Schickh.)
Wade, Thomas G., Greensboro, N. C. Rural free delivery letter box. 2,002,423; May 21.
Wadsworth, Frank L. O. (See Angell, R. C., and Wadsworth.)
Wagner, Heinrich, H. Krzikalla, and A. Kirsch, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing animal fibers. 2,001,992; May 21.
Wainford, Richard H., Trenton, N. J. Mechanical movement. 2,001,755; May 21.
Walsh, James F., East Orange, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Solvent for acetyl cellulose. 2,002,069; May 21.
Walker, Curry O. (See Walper, Gordon R., assignor.)
Walker, Hervey S., Ardmore, Pa. Underfloor duct system. 2,002,068; May 21.
Walper, Gordon R., Detroit, assignor to C. O. Walper, Royal Oak, Mich. Wall and ceiling construction. 2,002,303; May 21.
Walters, Emmett L. (See Goodwillie, D. H., and Walters.)
Ward, Charles J., Grassmere, Staten Island, N. Y. Ship propeller. 2,001,896; May 21.
Warring, Floyd S. (See Henry, Henry L., assignor.)
Wasberg, Axel, Chicago, Ill., assignor to A. E. Ostrander, Larchmont, N. Y. Refrigerator car doorlock. 2,002,304; May 21.
Wasegg, Charles R., Ruell, France, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 2,002,049; May 21.
Waterman, L. E., Company. (See Juster, Louis H., assignor.)
Watson, J. Bruce. (See Lavitt, James E., assignor.)
Watson, James B., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating system. 2,001,857; May 21.
Watson, James B., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating system with initial splash. 2,001,858; May 21.
Watson-Williams Manufacturing Company. (See Spencer, Philip L., assignor.)
Wean Engineering Company, The. (See Wean, R. J., and Peik, assignors.)
Wean, Raymond J., and L. D. Peik, assignors to The Wean Engineering Company, Inc., Warren, Ohio. Metal treating apparatus. 2,001,948; May 21.
Weaver, Edward G., Butte, Mont. Casting reel. 2,002,424; May 21.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,001,993; May 21.
Webster, Shirley, et al. (See Brady, Lester C., assignor.)
Wedemeier, Ernest A. (See Vandervoort, Milford T., assignor.)
Weir, James, Canton, Ill. Repair valve seat. 2,001,830; May 21.
Weiss, Ernst. (See Bodmer, A., and Weiss.)
Welch, S. A., Guyler, Boaler, and Ashby, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting machine. 2,002,070; May 21.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Loose leaf binder. 2,002,071; May 21.
Wells, Franklin H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,001,994; May 21.
Wells, Norman, Sheen, London, England, assignor to Radio Corporation of America. Directional aerial system. 2,002,197; May 21.
Wemp, Ernest E., Detroit, Mich. Overrunning drive construction. 2,001,804; May 21.
Wernicke, Gilbert, and A. R. Lintern, Cleveland, Ohio. Plant propagator, etc., or aquarium. 2,002,380; May 21.
West, Donald C., and H. A. Rose, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,001,89, May 21.
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,002,381; May 21.
Western Electric Company. (See Williams, R. R., and Kemp, assignors.)
Western States Machine Company. (See Roberts, Eugene, assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See West, D. C., and Rose, assignors.)
Weston, William S., Douglaston, N. Y. Adjustable curve ruler. 2,001,949; May 21.
Wetzler, Max. (See Elle, E., and Wetzler.)
Wetzler, Rudi. (See Elle, E., and Wetzler, assignors.)
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Latch lock. 2,001,805; May 21.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 2,001,806; May 21.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 2,001,807; May 21.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Automatic volume control. 2,001,950; May 21.
Wheeler, Russell C., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Pipe anchor. 2,002,103; May 21.
White, S. S., Dental Manufacturing Company, The. (See Angell, R. C., and Wadsworth, assignors.)
Whitman, Walter G., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Storage of volatile hydrocarbons, particularly butanes. 2,001,996; May 21.
Whitney Mfg. Co., The. (See Dow, Richard F., assignor.)
Wiegand, Edwin L., Pittsburgh, Pa. Electric resistance heating element. 2,001,995; May 21.
Wilcox, Russell I., Bellwood, Ill., assignor, by mesne assignments, to Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic phonograph. 2,002,236; May 21.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Alloy. 2,002,460; May 21.
Williams, Jewell R., assignor to Apparatus Design Company, Little Rock, Ark. Vacuum tube tester. 2,002,425; May 21.
Williams, Robert R., Roselle, and A. R. Kemp, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Rubber insulation for submarine cables. 2,002,461; May 21.
Wilson, Alexander M., Cincinnati, Ohio. Single phase motor. 2,002,382; May 21.
Wilson, Harry, Jr. (See Trembour, M. R., and Wilson.)
Wilson, John A. (See Twiss, D. F., Neale, and Wilson.)
Winchell, Thomas R., West Newton, Mass., assignor to Northern Maine Plywood Company, Portland, Maine. Barrel. 2,001,859; May 21.
Winslow, Charles A., Oakland, Calif. Air cleaner. 2,002,165; May 21.
Winthrop Chemical Company. (See Delchsel, Stanislaus, assignor.)
Winthrop Chemical Company. (See Streitwolf, K., Fehrle, Herrmann, Fritzsche, and Schnitzer, assignors.)
Wirz, A. H., Inc. (See Barker, Edwin H., assignor.)
Wissler, William A., Flushing, N. Y., assignor to Haynes Stellite Company. Surface hardening metal articles. 2,002,198; May 21.
Witt, Irwin H., Evanston, Ill. Stopping gas flow through pipes. 2,002,383; May 21.
Wodell, William W. (See Hodgkin, E. E., Wodell, and Lange.)
Woelbing, George H. (See Ruth, J. P., and Woelbing.)
Wolf, August M., Plainfield, N. J., assignor to Motor Jack Corporation, New York, N. Y. Jacking apparatus for automotive vehicles. 2,001,860; May 21.
Wolfe, Homer H., assignor to Automobile Side-Drive Corporation, Little Rock, Ark. Parking or deparking mechanism. 2,002,132; May 21.
Wolff, L. G., et al. (See Timberlake, Journey F., assignor.)
Wolverine Supply and Manufacturing Company. (See Gorlup, Frank J., assignor.)
Woock, Walter R. J., Auburn, Calif. Mineral separator. 2,001,756; May 21.
Wood, C. D., Electric Co., Inc. (See Kulka, Eugene R., assignor.)

Wood, Frank L., Lynden, Wash. Syringe. 2,002,024; May 21.
Wood, Maurice L., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Furnace for producing purified metals. 2,001,808; May 21.
Wooddell, Charles E., C. S. Nelson, Niagara Falls, and R. Lincoln, Buffalo, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles. 2,001,911; May 21.
Woodman, Albert G., Grand Rapids, Mich. Honey extractor construction. 2,001,997; May 21.
Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Refrigerator evaporator. 2,002,444; May 21.
Woods, Gorham W., Houston, Tex., assignor, by mesne assignments, to Haynes Stellite Company, Kokomo, Ind. Welding rod. 2,002,462; May 21.
Worthington, John T., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method and apparatus for settling. 2,001,809; May 21.
Wright, Gilbert, Granville Center, Mass., assignor of one-half to H. N. Stevenson, Pelham, N. Y. Internal combustion motor. 2,002,230; May 21.
Wurlitzer, Rudolph, Manufacturing Company. (See Wilcox, Russell I., assignor.)
Yarnall-Waring Company. (See Miller, Frank W., assignor.)
Yoder, Carl M., assignor of one-half to H. O. Yoder, Lakewood, Ohio. Apparatus for and process of making cylindrical bodies. 2,001,757; May 21.
Yoder, Harvey O. (See Yoder, Carl M., assignor.)
Yonkers, Edward H., Jr., Chicago, Ill. Negative resistance. 2,002,238; May 21.
Yotta, Jean R., Los Angeles, Calif. Safety razor. 2,002,104; May 21.
Youngstown Steel Door Company. (See Eklind, Carl E., assignor.)
Zimmerman, Walter B., Winnipeg, Manitoba, Canada. Garden rake tooth cleaning appliance. 2,002,484; May 21.
Zwald, Adolph, Torrance, Calif. One way brake. 2,001,810; May 21.
Zwierzina, Alois J., assignor to Ackerman-Blaesser Fezzey, Inc., Detroit, Mich. Clutch mechanism. 2,001,758; May 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Car, Sleeping. T. De Roode. 19,585–6; May 21.
Fuel feeding device and safety mechanism in connection therewith, Liquid. W. W. Williams. 19,573; May 21.
Fuse device, Safety. J. Stone. 19,584; May 21.
Image broadcasting system. W. G. H. Finch. 19,575; May 21.
Projection screen. T. F. Yagle. 19,574; May 21.
Sewage and other liquids, Purification of. W. Jones. 19,577; May 21.
Sound reproducing apparatus for advertising purposes. F. G. Salcedo. 19,583; May 21.
Stock quotation projection machine and feeding tape therethrough. J. W. Decker. 19,572; May 21.
Tire cover, All metal. L. Ricci. 19,582; May 21.
Truck, Plate glass transporting. L. Rothholz. 19,580; May 21.
Tube finishing and advancing machine, Automatic. W. Prussing. 19,578; May 21.
Umbrella, Telescopic. H. Haupt. 19,576; May 21.
Venturi tube. C. I. Justheim. 19,581; May 21.
Window control mechanism. J. H. Roethel. 19,579; May 21.

LIST OF DESIGN INVENTIONS

Air circulator. M. Weber. 95,720; May 21.
Automobile body. A. E. Voigt. 95,718; May 21.
Bag or similar article, Laundry. I. F. Silverstein. 95,712; May 21.
Bottle. B. D. Fuerst. 95,672; May 21.
Bottle. C. J. Howel. 95,686; May 21.
Bottle. R. P. Richardson. 95,705; May 21.
Bottle closure. E. W. Fuerst. 95,675; May 21.
Bottle or similar article. H. H. Harris. 95,682; May 21.
Blouse. I. Geist. 95,677; May 21.
Buckle. H. G. Whitehouse. 95,721; May 21.
Cabinet, Amusement game. F. C. McClellan. 95,697; May 21.
Cabinet, Recipe. C. E. Bisbey. 95,627; May 21.
Candle. M. H. Gastel. 95,676; May 21.
Casing for a combined washing machine and drier. W. D. Teague. 95,716; May 21.
Casket. H. A. Neff. 95,700–1; May 21.
Chaise longue. P. T. Frankl. 95,671; May 21.
Clip for a fountain pen or similar article. B. W. Hanle. 95,681; May 21.
Coat, Lady's. A. Sisselman. 95,714; May 21.
Curtain. F. Gentner. 95,678; May 21.
Curtain. S. Libou. 95,695–6; May 21.
Dress. I. A. Winter. 95,722; May 21.
Dress, Ensemble. L. Baum. 95,626; May 21.
Game board. E. L. Crawford. 95,666; May 21.
Glove. M. Crandall. 95,665; May 21.
Glove. I. K. Hessberg. 95,684; May 21.
Guard, Push. F. L. Vernon. 95,717; May 21.
Jar. E. W. Fuerst. 95,674; May 21.
Lace. J. M. Golding. 95,679; May 21.
Lamp. B. A. Dickerson. 95,667–8; May 21.
Leather. S. Shapiro. 95,711; May 21.
Mat, Floor. E. E. Paine and F. D. Adams. 95,702; May 21.
Microscope. G. Fassin. 95,670; May 21.
Mirror frame and support therefor, Adjustable. V. D. Milliken. 95,698; May 21.
Negligee. P. Schnittman. 95,709; May 21.
Plate or similar article. Y. Buma. 95,631–2; May 21.
Plate or similar article. B. N. Kane. 95,689; May 21.
Pocketbook. F. N. Lewis. 95,694; May 21.
Sandal. C. B. Carrier. 95,664; May 21.
Sandal. L. Goodkind. 95,680; May 21.
Sandal. H. Koomrulan. 95,690; May 21.
Shoe. E. Bradley. 95,628; May 21.
Shoe. A. M. Bressler. 95,629; May 21.
Shoe. A. Hurtig. 95,688; May 21.
Shoe. C. Kosta. 95,691; May 21.
Shoe. D. Levin. 95,693; May 21.
Shoe. L. A. Morrill. 95,699; May 21.
Shoe or article of analogous nature. S. Brietman. 95,630; May 21.
Siphon head. E. W. Fuerst. 95,673; May 21.
Speed power unit, Electrically driven variable. D. Heyer. 95,685; May 21.
Spoon or other article of flatware. L. V. M. Helander. 95,683; May 21.
Spray gun. F. Wahlin. 95,719; May 21.
Stand and holder, Combined flower. I. G. Scott and M. C. Fox. 95,710; May 21.
Storage battery case. O. O. Rieser. 95,704–8; May 21.
Stove, Heating. M. L. Hunker. 95,687; May 21.
Tire. A. Balthazar and J. E. Allen. 95,622–5; May 21.
Toy model ships hull. W. Kramer. 95,692; May 21.
Transformer casing. R. A. Dicksen. 95,669; May 21.
Wheel. C. W. Sinclair. 95,713; May 21.
Wringer and casing for domestic washing machines, Combined. W. D. Teague. 95,715; May 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21st DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles. C. E. Wooddell, C. S. Nelson, and R. Lincoln. 2,001,911; May 21.
Abutment for container vehicles, Movable. S. H. Owens. 2,002,439–40; May 21.
Acetylene and carbon black, Production of. O. Eisenhut, H. Schilling, and P. Baumann. 2,002,003; May 21.
Acid: *See*—
Octylsalicylic acid.
Acids, with separation of the esters in highly concentrated form, Esterification of organic. G. Török. 2,001,926; May 21.
Acid compounds and making them, Bismutho-benzene-arsonic-sulfonic. K. Streitwolf, A. Fehrle, W. Herrmann, P. Fritzsche, and R. Schnitzer. 2,001,986; May 21.
Acoustic device. P. Crosley, Jr., and H. Gest. 2,002,390; May 21.
Acoustic device. H. J. Round and N. M. Rust. 2,002,189; May 21.
Acoustic device. H. J. Round. 2,002,190; May 21.
Acylamino-anthraquinones and their preparation. E. E. Beard. 2,001,702; May 21.
Adjustable table. E. F. Lundeen. 2,002,349; May 21.
Adjustable window seat. N. Paulus. 2,001,796; May 21.
Adjustable wrench. M. J. Leaveck. 2,001,789; May 21.
Advertising device. H. D. Lambourne. 2,001,880; May 21.
Advertising device. J. F. Scanlon. 2,001,979; May 21.
Air cleaner. C. A. Winslow. 2,002,165; May 21.
Air conditioner. W. Bandurski. 2,001,832; May 21.
Air conditioning apparatus. R. J. Byrd. 2,001,833; May 21.
Air conditioning apparatus. G. B. Marzolff. 2,002,019; May 21.
Air conditioning device. A. Thousand. 2,002,023; May 21
Air cooling and circulating device and process. W. L. Morrison. 2,002,234; May 21.
Air cooling and circulating device. W. L. Morrison. 2,002,235; May 21.
Aircraft. D. Gregg. 2,002,057; May 21.
Air distribution. H. L. Smith, Jr. 2,001,801; May 21.
Airplane. S. Sera and J. Hatala. 2,002,290; May 21.
Alarm device for safes. A. Biasi. 2,001,812; May 21.
Alarm water column. F. W. Miller. 2,002,327; May 21.
Aldehyde products, Stabilization of. P. J. Leaper. 2,001,788; May 21.
Aliphatic anhydrides, Manufacture of. H. Dreyfus. 2,002,084–5; May 21.
Alloy. R. A. Wilkins. 2,002,460; May 21.
Amino anthyridines and making same. W. Schoeller and O. von Schickh. 2,002,280; May 21.
Anchor, Pipe. R. C. Wheeler. 2,002,103; May 21.
Anchor post. C. Greene. 2,001,719; May 21.
Animal trap. W. R. McCabe. 2,002,095; May 21.
Animal fibers, Dyeing. H. Wagner, H. Krzikalla, and A. Kirsch. 2,001,902; May 21.
Antifreeze indicator. G. H. Lecarpentier. 2,002,184; May 21.
Anthraquinone derivative and making same. H. Hauser and M. Bommer. 2,002,264; May 21.
Anthraquinone derivative and making the same. W. Moser and W. Fioroni. 2,002,247; May 21.
Anthraquinone derivatives. R. N. Lulek. 2,001,737; May 21.
Anthrathiazole-anthraquinone carbonyl imides and preparing them. R. N. Lulek. 2,001,738; May 21.
Apple box. W. M. Veaux. 2,002,102; May 21.
Applicator. W. O. Heaton. 2,002,144; May 21.
Article transferring mechanism. I. C. Buckminster. 2,001,814; May 21.
Articles, Apparatus for arranging and feeding irregular shaped. D. L. Jordan. 2,002,147; May 21.
Atomizing device. R. E. Delling. 2,001,817; May 21.
Automatic clutch. K. E. Lyman. 2,001,931; May 21.
Automobile bodies, Ventilating the interior. J. M. Bondbright. 2,001,763; May 21.
Automobile transmission mechanism. H. E. Blood. 2,001,782; May 21.
Automotive jack. B. Black. 2,002,428; May 21.
Bag and making same. J. M. Munson. 2,001,934; May 21.
Bag-sewing apparatus. A. McAlister. 2,002,227; May 21.
Bait, Artificial. J. E. Lavitt. 2,002,117; May 21.
Bakery goods, Packaging of loaf-like. V. M. Bear. 2,001,761; May 21.
Ball cock valve, Automatic. W. Dylewski. 2,002,086; May 21.
Band element for ornamental and useful purposes. R. Einsele. 2,002,233; May 21.
Barrel. T. R. Winchell. 2,001,859; May 21.
Battery construction, Storage. G. L. Kyle. 2,002,267; May 21.
Battery terminal. E. Schilke. 2,002,099; May 21.
Bearing lubrication. N. H. Knowlton. 2,001,823; May 21.
Binder, Loose leaf. N. S. Welk. 2,002,071; May 21.
Binder, Post. G. W. Newman. 2,002,155; May 21.
Bird bath. W. G. Richardson. 2,002,378; May 21.
Bit: *See*—
Rocker blade bit.
Bite attachment, True. G. J. Keller. 2,001,963; May 21.
Blank shearing apparatus. G. R. Jeneson. 2,001,751; May 21.
Block: *See*—
Cylinder block. Hollow cement block.
Blood transfusion, Apparatus for. G. S. Harris, Jr. 2,002,008; May 21.
Boiler: *See*—
Steam boiler.
Boiler. H. J. Kerr and I. L. Langvand. 2,001,734–5; May 21.
Boiler furnace. E. G. Bailey, H. J. Kerr, and R. M. Hardgrove. 2,002,464; May 21.
Bottle dispensing apparatus. C. H. Karnaghan. 2,001,786; May 21.
Box: *See*—
Apple box. Letter box.
Box for polish rods, Stuffing. J. H. Howard. 2,002,012; May 21.
Box or charger, Film. A. S. Newman. 2,001,884; May 21.
Bracket: *See*
Hinge bracket.
Brake: *See*—
Engine brake. One way brake.
Brake. E. G. Gunn. 2,001,958; May 21.
Brake. P. E. Hall. 2,002,006; May 21.
Brake. J. F. Higbee. 2,001,875; May 21.
Brake. L. E. La Brie. 2,002,017; May 21.
Brake. G. K. McCann. 2,001,933; May 21.
Brake. M. W. McConkey. 2,001,971; May 21.
Brake. H. F. Parker. 2,001,936–9; May 21.
Brake. C. H. Taylor. 2,001,944; May 21.
Brake. F. H. Wells. 2,001,994; May 21.
Brake adjusting and indicating mechanism, Automatic. J. B. Des Rosiers. 2,002,139; May 21.
Brake adjusting gauge. G. H. Crane. 2,002,286; May 21.
Brake beam and bottom rod emergency support, Railway. E. C. Lunsford. 2,002,350; May 21.
Bridge arrangement. W. Buschbeck. 2,002,338; May 21.
Bridge, Extensible temporary. C. A. Thomas. 2,002,018; May 21.
Brush. C. E. Frost. 2,002,370; May 21.
Brush holder. J. Heim. 2,002,202; May 21.
Bucket, Excavating. R. P. Strong. 2,001,924; May 21
Buildings, Apparatus for cooling and ventilating. C. A. Bulkeley. 2,001,704; May 21.
Bumper for carpet sweepers. F. W. Pullen. 2,001,745; May 21.
Burner: *See*—
Gas burner. Liquid fuel burner.
Burner attachment, Gas. F. H. McFall. 2,001,972; May 21.
Busk fastening means for corsets and similar garments. J. E. Broome. 2,002,052; May 21.
Cabinet, Playing card. Julius Bandes and J. Bandes. 2,002,166; May 21.
Cabinet structure, Metallic. H. Eto. 2,002,366; May 21
Cabinet, Towel. E. T. Hells. 2,002,088; May 21.
Cable with reduced magnetic coupling, Communication. E. Fischer and H. Gantzkow. 2,002,344; May 21.
Calipering device. A. H. Avery. 2,002,334; May 21.
Camera, Photographic. C. Bornmann and R. C. Roehrl. 2,002,076; May 21.
Can. J. M. Abrams. 2,002,072; May 21.
Can. H. Sebell. 2,002,457–8; May 21.
Can, Method of and apparatus for making a. H. Sebell. 2,002,456; May 21.
Car doorlock, Refrigerator. A. Wasberg. 2,002,304; May 21.
Carbohydrates, Process and apparatus for the fermentation of. S. C. Daranyi. 2,001,930; May 21.
Carbon tetrachloride, Stabilizing. P. S. Braillier. 2,002,168; May 21.
Carburetor. W. H. Weber. 2,001,993; May 21
Card clothing for textile machinery. W. A. Dickie. 2,002,079; May 21.
Carriage and trackage therefor, Electrically driven lure. W. M. Bacon, Jr. 2,002,427; May 21
Carriage for accounting machines. R. A. Curistion. 2,002,361; May 21.

Carton. D. H. Patterson, Jr. 2,001,850; May 21.
Carton. R. Stone. 2,001,984; May 21.
Carton or container. S. A. Gottlieb. 2,002,005; May 21.
Case: *See*—
Display case.
Case hardening composition. A. F. Holden. 2,002,180; May 21.
Cash register. J. P. Frank. 2,001,779; May 21.
Casting reel. E. G. Weaver. 2,002,424; May 21.
Cement mixer, Oil well. E. W. Stogsdill. 2,002,419; May 21.
Chair. A. Johnson. 2,002,118; May 21.
Cheese, Making. C. Frehner. 2,002,345; May 21.
Cherry stemmer. W. E. Urschel. 2,002,161; May 21.
Cigar wrapper leaf tobacco, Method of and apparatus for conditioning. C. G. Maxwell. 2,002,120; May 21.
Cigarette holder. H. P. Thayer. 2,001,827; May 21.
Cigarette making machinery. F. F. Rusu. 2,002,045; May 21.
Cigarette wrapper cutting machine. C. H. Gibson, L. E. Downs and C. J. Fuse. 2,002,142; May 21.
Circuit arrangement, Electrical. N. M. Rust. 2,002,192; May 21.
Circuit interrupter. W. M. Austin. 2,001,898; May 21.
Circuit interrupter. D. C. West and H. A. Rose. 2,001,897; May 21.
Circuits, Power. F. H. Engel. 2,002,343; May 21.
Circuits, Power control. P. H. Craig. 2,001,836–8; May 21.
Clamp. W. C. Domke. 2,002,141; May 21.
Clamp for radial drills, Column. J. C. Carlton. 2,002,469; May 21.
Clamping mechanism for radial drills. J. C. Carlton. 2,002,446; May 21.
Cleaner: *See*—
Air cleaner. Windshield cleaner.
Cleat, Baseball Shoe. J. T. Riddell. 2,001,976; May 21.
Cleats or similar articles, Making shoe. J. T. Riddell. 2,001,977; May 21.
Clock-motor, Non-self starting. R. E. Lenehan. 2,001,914; May 21.
Closure. I. E. Sexton. 2,001,980; May 21.
Clothes hanger. E. C. Beard. 2,002,001; May 21.
Clothesline ring. T. Dossey. 2,002,435; May 21.
Clothing container. E. A. Miller. 2,002,246; May 21.
Clutch: *See*—
Automatic clutch. Synchronizing clutch.
Fluid clutch. Transmission clutch.
Hydraulic clutch.
Clutch mechanism. A. J. Zwierzina. 2,001,758; May 21.
Clutch release, Hydraulic. C. E. Furgason. 2,002,315; May 21.
Clutch with synchronizing means. J. P. Ruth and G. H. Woelbing. 2,001,892; May 21.
Coffee, Apparatus for roasting. L. S. Maede. 2,002,094; May 21.
Coffee preserver. M. Strosk. 2,002,420; May 21.
Coin controlled mechanism. J. G. Miller. 2,002,123; May 21.
Cold heading, Method of. A. T. Sivlter. 2,001,981; May 21.
Collar for personal wear. J. T. D. McNicol. 2,001,883; May 21.
Colorimetric method and apparatus adapted for gas mixing control. E. X. Schmidt. 2,002,279; May 21.
Comb attachment for carpet sweepers. E. R. Smith. 2,001,982; May 21.
Compressing unit. E. Heltman. 2,001,874; May 21.
Concrete building construction. H. Amezcua. 2,001,696; May 21.
Condenser: *See*—
Electrical condenser.
Condenser and operating the same, Asymmetric. J. E. Lilienfeld. 2,001,790; May 21.
Condiment measuring and dispensing device. H. L. McPhee. 2,002,039; May 21.
Conduit, Pressure medium. E. Müller. 2,002,329; May 21.
Confections, Preparing, packaging, and serving frozen. J. J. Nolte. 2,001,919; May 21.
Connecter: *See*—
Resilient connecter. Spring connecter.
Connecter element. E. R. Kulka. 2,002,291; May 21.
Connection, Oscillatory. G. D. Banta. 2,002,284; May 21
Container: *See*—
Clothing container. Folding container.
Container. A. O. Daller. 2,002,364; May 21.
Container and making the same, Dispensing. A. O. Daller. 2,002,363; May 21.
Container closure. P. Norris. 2,002,125; May 21.
Container closure. A. A. Saalbach. 2,001,748; May 21.
Container for the transportation of goods. M. M. J. Lefevre-Utile. 2,002,422; May 21.
Container with mechanical jack, Shipping. F. H. Schwerin. 2,002,455; May 21.
Containers, Attachment for. G. F. Upham. 2,001,947; May 21.
Contents of fermentation and storage containers, Clearing the. G. Jakob. 2,002,145; May 21.
Control device for radioreceivers, Remote. A. A. Thomas. 2,002,443; May 21.
Control for jacquard looms, Stop motion. L. C. Brady. 2,002,429; May 21.
Control mechanism. P. C. Temple. 2,001,988; May 21.
Control system. W. R. King. 2,002,374; May 21.
Controlling device. E. G. Thomas. 2,002,379; May 21.
Conveyer curve. L. R. Collar. 2,001,773; May 21.
Conveyer system. S. T. Hart and W. A. Marcy. 2,002,009; May 21.
Cooler: *See*—
Liquid cooler.
Cooling unit. H. A. Greenwald. 2,001,872; May 21.
Copper article and making the same, Coated. R. R. Tanner and J. S. Thompson. 2,001,753; May 21.
Core drill and valve therefor. L. Bradley. 2,001,764; May 21.
Corn cure package. B. Ellis. 2,002,341; May 21.
Corn product and making the same. C. E. Doolin. 2,002,053; May 21.
Corner construction for furniture or the like. G. R. Meyercord and F. M. Curran. 2,002,228; May 21.
Cotton cleaning and reclaiming machine. J. E. Mitchell. 2,001,974; May 21.
Coupling: *See*—
Hose coupling. Resilient coupling.
Cover: *See*—
Frying pan cover. Tire cover.
Culvert. M. C. Storms. 2,002,301; May 21.
Cup dropping machine. C. F. Adams. 2,002,213; May 21.
Curtain, Window. T. F. Byron. 2,002,171; May 21.
Cut-off mechanism for sheet material. D. H. Goodwillie and E. L. Walters. 2,002,346; May 21.
Cutter: *See*—
Fuse cutter.
Cutting table. R. J. Louviaux. 2,002,348; May 21.
Cylinder block, Engine. F. G. Shoemaker and G. E. Ehrling. 2,001,854; May 21.
Cylinder cock. R. H. George. 2,002,450; May 21.
Cylindrical bodies, Apparatus for and process of making. C. M. Yoder. 2,001,757; May 21.
Defective light signal. F. H. Sensiba and C. W. Sensiba. 2,002,251; May 21.
Den, Animal. F. S. Cole. 2,002,259; May 21.
Dental instrument for removing impacted teeth. D. J. McDaniels. 2,002,245; May 21.
Desk pad holder. F. C. Dell. 2,001,774; May 21.
Diaper pad. C. L. Fancher. 2,002,368; May 21.
Direction signal. S. McC. Terwilliger and W. T. Sevener. 2,002,022; May 21.
Directional aerial system. N. Wells. 2,002,197; May 21.
Dish or pan lifter. H. De L. Kneeland. 2,002,149; May 21.
Dishwashing machine. E. S. Stoddard. 2,002,300; May 21.
Disk harrow. E. Mowry. 2,002,272; May 21.
Display case. E. S. Irelan and R. J. Krabbe. 2,001,820; May 21.
Display device. L. H. Schreiber. 2,001,798; May 21.
Display rack. R. A. Reidenbaugh. 2,002,128; May 21.
Disulphides, Preparing organic. H. G. M. Fischer. 2,001,715; May 21.
Doll eye mechanism. W. Lorenz, and L. W. Pollack. 2,002,326; May 21.
Dolly, Srub bucket. A. Smith. 2,001,894; May 21.
Door, Automobile. C. E. Bedaux. 2,001,863; May 21.
Door, Car. C. E. Eklind. 2,002,392; May 21.
Door control, Vehicle. C. A. Breit. 2,002,025; May 21.
Door for fireboxes of oil burning locomotives. C. F. Gerlinger. 2,002,029; May 21.
Door, Grain. B. B. Morse. 2,002,154; May 21.
Door step, Combination. G. F. Spettel. 2,001,802; May 21.
Drill: *See*—
Rock drill.
Drill chuck, Rock. C. A. Hultquist. 2,002,203; May 21.
Drilling apparatus. C. E. Bannister. 2,002,385; May 21.
Drilling apparatus. M. C. Huffman. 2,001,729; May 21.
Drive and suspension means. A. C. Peterson. 2,002,210; May 21.
Drive for machine tool elements. K. F. Gallimore. 2,002,480; May 21.
Driving device, Electric. O. Neuenschwander. 2,002,124; May 21.
Driving disk for clutches. W. O. Bechman. 2,002,285; May 21.
Driving mechanism, Motor vehicle. H. A. Flogaus. 2,001,870; May 21.
Drive construction, Overrunning. E. E. Wemp. 2,001,804; May 21.
Drive, Friction. O. Ohnesorge. 2,002,126; May 21.
Drying apparatus G. E. Barozzi. 2,002,170; May 21.
Dumping apparatus for oil wells. L. E. Harrington. 2,002,112; May 21.
Duplicator, Rotary. L. Kinitman. 2,002,321; May 21.
Dyeing. R. Lantz. 2,002,406; May 21.
Dyestuff and making same, Fluoranthene. R. Sedlmayr and E. Kruta. 2,002,130; May 21.
Dyestuffs of the naphthophenazine series. T. Nocken and W. Neelmeier. 2,001,975; May 21.
Earth handling device. W. T. Stephens. 2,001,803; May 21.
Edge supporting device. J. Martin. 2,001,882; May 21.
Electric connecter plug. H. L. Strongson. 2,002,302; May 21.
Electric control means. C. Frohmer. 2,002,369; May 21.
Electric discharge device. W. F. Westendorp. 2,002,381; May 21.
Electric motor. A. W. Seyfried. 2,001,799; May 21.

Electrical actuating means for clocks and instruments. G. P. Cowles. 2,002,433; May 21.
Electrical condenser. B. Hansson. 2,001,873; May 21.
Electrical outlet and connecter for railway tracks. G. A. Laser. 2,002,034; May 21.
Electrode for arc welding. A. R. Nyquist. 2,001,848; May 21.
Electrode, Spark plug. D. W. Randolph. 2,001,888; May 21.
Electrodes, Making grid. L. Klinkert. 2,002,148; May 21.
Electron device. F. B. MacLaren. 2,002,207; May 21.
Electronic current regulator. C. Stansbury. 2,002,281; May 21.
Electrooptical system. H. E. Ives. 2,001,730; May 21.
Electrosurgical apparatus. R. H. Maxson. 2,002,119; May 21.
Emulsions, Method and apparatus for electrically treating. H. C. Eddy. 2,001,776; May 21.
End facing and centering machine. J. E. Lovely. 2,002,136; May 21.
Engine: *See*—
Internal combustion engine.
Engine. J. W. Kinnucan. 2,001,913; May 21.
Engine. H. H. Timian. 2,001,895; May 21.
Engine brake. B. Ucko. 2,002,196; May 21.
Engine compressor assembly. H. A. Gebres. 2,002,200; May 21.
Engine starting mechanism. R. P. Lansing. 2,002,405; May 21.
Engine starting mechanism. R. M. Nardone. 2,002,413; May 21.
Excavator: *See*—
Trench excavator.
Excess-voltage protective structure. R. R. Pittman. 2,002,042; May 21.
Exercising device. H. G. Child. 2,002,108; May 21.
Expanding machine, Automatic. G. W. Chalmers. 2,001,867; May 21.
Fabric: *See*—
Knitted fabric. Printed fabric.
Fabric expander for textile industry. J. J. McCann. 2,002,068; May 21.
Fabrics, Treatment of. H. Dreyfus. 2,002,083; May 21.
Fastener: *See*—
Garment fastener. Roofing tile fastener.
Roofing fastener. Separable fastener.
Fastening and buttoning means for garments, and the like. A. Berliner. 2,002,360; May 21.
Feed mechanism for metal cutting machines. W. E. Sykes. 2,001,967; May 21.
Feeding device. S. Bullum. 2,002,337; May 21.
Fertilizer. E. T. Keenan. 2,002,400; May 21.
Fibroin solutions, Manufacture of. W. Irion and H. Mahn. 2,002,163; May 21.
Filament and its production, Artificial. W. Mendel. 2,002,153; May 21.
Filaments, threads, ribbons, films and similar materials, Production of artificial. W. L. Taylor. 2,002,066; May 21.
Filler for quilts or the like. J. Goodstein. 2,001,782; May 21.
Filler package. J. L. Coyle. 2,001,816; May 21.
Film apparatus, Sound. F. H. Owens. 2,002,351; May 21.
Film apparatus, Sound. F. H. Owens. 2,002,352; May 21.
Film guiding mechanism. J. D. Basson. 2,002,074; May 21.
Filter: *See*—
Wave filter.
Fire extinguisher, Automatic. L. B. Burchfield. 2,002,308; May 21.
Fishes, Apparatus and method of transporting live. F. Theuerkauf. 2,001,989; May 21.
Fishing bait. A. Kumm. 2,001,844; May 21.
Fishing lure, Electric. R. L. Barton. 2,002,135; May 21.
Fishing reel construction. G. Kosma. 2,002,403; May 21.
Flea beetle catcher. N. T. A. Nilsson. 2,002,041; May 21.
Flexible receptacle. W. R. Buxton. 2,001,954; May 21.
Fluid clutch. D. Gregg. 2,002,058; May 21.
Fluid motor, Double piston. C. E. Bannister. 2,002,386; May 21.
Fluid pressure dispensing machine. J. I. Gantz. 2,002,175; May 21.
Flying machine. A. Flettner. 2,002,287; May 21.
Folding container. O. Blitz. 2,002,215; May 21.
Folding ironing table. S. J. Bailey. 2,002,283; May 21.
Form, Shoe. W. J. De Witt. 2,001,775; May 21.
Form, Silhouette. I. R. Rock. 2,002,441; May 21.
Formaldehyde solution. W. S. Hinegardner. 2,002,243; May 21.
Fowls, Mechanism and method for scalding. B. Bouda. 2,001,818; May 21.
Frame: *See*—
Vehicle frame.
Frame for track type tractor. E. A. Johnston and D. B. Baker. 2,002,474; May 21.
Frying pan cover. E. U. Boland. 2,002,237; May 21.
Fuel feed control. F. C. Mock. 2,002,040; May 21.
Fuel injection system for internal combustion engines. A. T. Easley. 2,001,843; May 21.
Fuel spray injection for internal combustion engines. A. Baj. 2,002,134; May 21.
Fuel storage tank. H. C. Lemke. 2,002,407; May 21.
Fuel, Treatment of motor. V. Ipatieff. 2,001,907; May 21.
Furnace: *See*—
Boiler furnace. Hot air heating furnace.
Glass furnace.
Furnace, W. Grothe. 2,002,030; May 21.
Furnace and air conditioner. E. I. Dall. 2,002,312; May 21.
Furnace for producing purified metals. M. L. Wood. 2,001,808; May 21.
Furnace muffle construction, Electric. T. H. Forde. 2,002,241; May 21.
Furnace wall. H. E. Preston. 2,002,276; May 21.
Furniture spring. L. Kimbrig. 2,001,964; May 21.
Fuse cutter, Miner's. H. Baker. 2,002,050; May 21.
Fuse setting apparatus, Automatic. A. Gletmann. 2,002,056; May 21.
Game apparatus. H. W. Standidge. 2,001,829; May 21.
Game, Slit-ball. T. J. Berning and M. P. Hoover. 2,001,811; May 21.
Garbage disposal receptacle. R. E. Hunt. 2,002,113; May 21.
Garment fastener, Concealed. B. Berlin and I. Herman. 2,002,306; May 21.
Garment or ironing press. J. C. Ledbetter. 2,002,185; May 21.
Gas density meter. J. Brandl. 2,001,865; May 21.
Gas burner, Atmospheric. H. H. Dodge. 2,002,448; May 21.
Gas density meter. J. Brandl. 2,001,885; May 21.
Gas flow through pipes, Stopping. I. H. Witt. 2,002,383; May 21.
Gaseous mixtures, Purification and separation of. M. Shoeld. 2,002,357; May 21.
Gaskets, Forming metal fortified packer. J. R. McWane. 2,002,122; May 21.
Gasoline from natural gas, Recovery of stable. E. R. Cox. 2,002,340; May 21.
Gasoline produced by cracking, Refining. C. R. Payne and D. R. Stevens. 2,002,250; May 21.
Gauge: *See*—
Brake adjusting gauge.
Generator: *See*—
Oscillation generator. Steam generator.
Glass and making the same, Ultra-violet light transparent. C. Dreyfus. 2,002,082; May 21.
Glass furnace. B. D. Brown. 2,001,766; May 21.
Glass holding construction. R. C. Steeple. 2,001,943; May 21.
Glass wool, Method and apparatus for producing curled or crimped. P. O. E. Friedrich. 2,002,314; May 21.
Granular bodies, Apparatus and method of determining the tenacity of bonded. R. L. Melton. 2,001,794; May 21.
Grinding machine. D. S. Eastwood. 2,002,224; May 21.
Guard for shearing presses, Safety. H. A. Boyce. 2,002,257; May 21.
Guard, Guy wire. H. P. Seelye. 2,001,893; May 21.
Guiding or spacing of yarns in warp form. J. Jaboulay. 2,002,091; May 21.
Gun sight. C. F. Lefever. 2,002,324; May 21.
Gutta percha, Treating. J. H. Ingmanson and G. S. Mueller. 2,002,204; May 21.
Gypsum plaster and manufacturing same. J. G. Gustafson. 2,002,176; May 21.
Hair curling instrument, Combination. D. E. Harmon. 2,001,904; May 21.
Hair waving apparatus. M. S. Mable. 2,001,915; May 21.
Halogen alkenyl phenols and manufacture thereof. S. Delchsel. 2,002,447; May 21.
Hammer. M. L. Crandall. 2,001,868; May 21.
Hand protector. K. E. Jensen. 2,001,961; May 21.
Hand tool. F. J. Clemens. 2,001,707; May 21.
Handle construction for baskets. H. M. Kieckhefer and W. R. Buck. 2,002,013; May 21.
Hanger: *See*—
Clothes hanger.
Hanger device for storm windows. P. Vanden Brande. 2,002,169; May 21.
Harrow. A. S. Bevin. 2,002,255; May 21.
Heat of condensates, Apparatus for utilizing. W. Hofmann. 2,001,784; May 21.
Heat retarder. M. J. C. Nyborg. 2,002,020; May 21.
Heater: *See*—
Orchard heater. Vertical unit heater.
Heating apparatus. N. L. Blackmore. 2,001,953; May 21.
Heating device, Combustion chamber. M. S. Hall. 2,001,721; May 21.
Heating element, Electric resistance. E. L. Wiegand. 2,001,995; May 21.
Heating means for treating vegetables or fruit. N. T. Brown. 2,001,703; May 21.
Heel, Shoe. J. F. Esterson. 2,002,087; May 21.
High frequency network. B. D. H. Tellegen. 2,002,193; May 21.
Hinge bracket. S. Benjinsohn. 2,001,864; May 21.
Holder: *See*—
Brush holder. Necktie holder.
Cigarette holder. Spool holder.
Desk pad holder.
Hollow articles from plastic materials, Manufacture of. K. Bratring. 2,001,765; May 21.

Hollow bodies, Apparatus for the manufacture of seamless. W. H. Engelberts. 2,001,902; May 21.
Hollow cement block. D. S. Corwin. 2,002,311; May 21.
Honey extractor construction. A. G. Woodman. 2,001,997; May 21.
Hook. G. W. Hall. 2,001,959; May 21.
Hose coupling. J. A. Jensen. 2,002,472; May 21.
Hose coupling. C. L. McMaster. 2,002,121; May 21.
Hot air heating furnace. C. I. Murdock. 2,002,295; May 21.
Housing for internal combustion engines, Accessory device. H. Camines. 2,001,866; May 21.
Hub cap. C. W. Ryerson. 2,002,159; May 21.
Humidification process and apparatus employing electrical attractive forces. H. Barthel. 2,001,700; May 21.
Humidifier. W. H. Parker. 2,002,273; May 21.
Humidifying apparatus or the like. R. R. McMath. 2,002,294; May 21.
Hydraulic clutch. E. H. Fahrney. 2,002,367; May 21.
Hydraulic slack take-up device. R. F. Dow. 2,002,081; May 21.
Hydrocarbons, Converting. F. E. Frey. 2,002,394; May 21.
Hydrocarbons, particularly butanes, Storage of volatile. W. G. Whitman. 2,001,996; May 21.
Hydrocarbons, Treatment of. V. Ipatieff. 2,001,908–9; May 21.
Hydrogen sulphide from gases containing ammonia and hydrogen sulphide, Removing. C. Eymann. 2,002,305; May 21.
Ignition system. R. S. June. 2,002,114; May 21.
Illuminating element. R. Römer. 2,001,852; May 21.
India-rubber spring. A. Spencer. 2,001,855; May 21.
Indicating device, Coin controlled. S. N. Hurt. 2,002,373; May 21.
Indicator: *See*—
Antifreeze indicator. Liquid level indicator.
Inflatable articles, Making. V. H. Hurt. 2,001,785; May 21.
Ingot mold. E. J. Kauffman. 2,001,879; May 21.
Inking mechanism for printing presses. A. and E. Kluge. 2,002,032; May 21.
Inkwell. L. H. Juster. 2,002,092; May 21.
Insulation, Thermal. M. C. Huggett. 2,001,912; May 21.
Interference, System for the neutralization of inductive. L. L. Lockrow. 2,001,847; May 21.
Internal combustion engine. C. R. Waselge. 2,002,049; May 21.
Internal combustion engine, Two stroke cycle. G. L. Streb-ler. 2,001,985; May 21.
Internal combustion motor. G. Wright. 2,002,230; May 21.
Ironing machines, Lot or bundle assorter for. F. J. Couch. 2,002,138; May 21.
Ironing press. W. M. Emery. 2,002,240; May 21.
Jack: *See*—
Automotive jack. Lifting jack.
Jacking apparatus for automotive vehicles. A. M. Wolf. 2,001,860; May 21.
Key attaching mechanism. G. A. and G. V. Bardet. 2,002,105; May 21.
Knitted fabric. V. Lombardi. 2,002,271; May 21.
Knitting machine. H. W. Simpson. 2,002,417; May 21.
Knitting machine. S. A. Welch, A. F. Guyler, W. H. Boaler, and J. T. Ashby. 2,002,070; May 21.
Knitting machinery. F. Lambach. 2,002,116; May 21.
Knob or handle construction. D. A. Belden. 2,002,466; May 21.
Latch: *See*—
Refrigerator latch.
Latch. J. W. Lakin. 2,001,787; May 21.
Latch lock. G. H. Wheary. 2,001,805; May 21.
Latex and product obtained thereby, Treating. C. E. Linscott. 2,001,791; May 21.
Laundry machine. J. B. Kirby. 2,001,965; May 21.
Lawn edger. H. L. Petteys. 2,001,921; May 21.
Lens shutter with combined exposure meter, view finder and distance meter. A. Gautbier and K. Bühnle. 2,001,840; May 21.
Lenses and their combination and arrangement in various instruments and apparatus. H. J. Birchall. 2,001,952; May 21.
Letter box, Rural free delivery. T. G. Wade. 2,002,423; May 21.
Lifter: *See*—
Dish or pan lifter.
Lifting jack. J. M. Patterson. 2,001,744; May 21.
Light: *See*—
Safety turn stop light.
Light signal. S. M. Day. 2,002,471; May 21.
Lighting appliance. L. C. Doane. 2,002,313; May 21.
Liquid cooler. J. Robertson and G. H. Purdy. 2,001,923; May 21.
Liquid fuel burner. C. A. French. 2,002,388; May 21.
Liquid level indicator. C. L. Seward, Jr. 2,001,853; May 21.
Liquids, Apparatus for sampling. E. W. Pribble. 2,001,922; May 21.
Liquids, Automatic control of antiknock. L. B. Kimball. 2,002,482–3; May 21.
Liquids, solutions, dispersions and emulsions into powder form by drying, Apparatus for the converting of milky. M. J. Stam. 2,002,252; May 21.
Loading machine. F. Cartlidge. 2,002,199; May 21.
Lock: *See*—
Latch lock.
Lock. C. and I. Kemp. 2,002,014; May 21.
Lock. G. Maierle. 2,001,824; May 21.
Lock. E. W. Worth. 2,002,453; May 21.
Lock switch. J. D. Taylor. 2,002,047; May 21.
Locking cap. C. C. Curl. 2,002,260; May 21.
Locomotives, Fire box of oil burning. C. F. Gerlinger. 2,002,028; May 21.
Looms, Shuttle motion for. J. F. Timberlake. 2,002,194; May 21.
Lubricants, Testing. J. O. Almen. 2,001,861; May 21.
Lubricating device. E. G. Gartin. 2,001,717; May 21.
Lubricating system. J. B. Watson. 2,001,857; May 21.
Lubricating system with initial splash. J. B. Watson. 2,001,858; May 21.
Lubricator. J. L. Reilly. 2,001,746; May 21.
Luggage, Hand. G. H. Wheary. 2,001,806–7; May 21.
Machine for balancing heavy bodies. A. N. Russell and H. Ulmann. 2,001,826; May 21.
Machine for drawing threads from fabrics. J. Ollendorff. 2,002,414; May 21.
Machine for making metal wool. L. Peterson. 2,001,940; May 21.
Machine for making serum phials, Automatic. L. L. Comoy. 2,002,432; May 21.
Machine for shaping shoe uppers. J. C. Jorgensen. 2,001,732; May 21.
Machine set composed of two engines and a driven machine. F. Gosslau. 2,002,316; May 21.
Manhole and cistern construction. N. P. O'Neal. 2,002,127; May 21.
Manifolding book, Triplicate. A. R. Lawson. 2,002,226; May 21.
Mask, Dermatoid. E. Dohm. 2,002,449; May 21.
Massaging device. C. H. Foster. 2,001,871; May 21.
Match package. E. F. Boutillon. 2,002,051; May 21.
Material, Method and apparatus for impregnating. J. H. Campbell. 2,001,768; May 21.
Measuring device, Vibration velocity. C. D. Greentree and M. S. Mead, Jr. 2,002,372; May 21.
Meat treating method. L. B. Jensen. 2,002,146; May 21.
Mechanical movement. R. H. Wainford. 2,001,755; May 21.
Metal articles, Manufacturing composite. M. R. Trembour and H. Wilson, Jr. 2,002,229; May 21.
Metal articles, Method and apparatus for making sheet. P. Peterson. 2,002,097; May 21.
Metal articles, Surfacing hardening. W. A. Wissler. 2,002,198; May 21.
Metal parts, Welding. F. Earle. 2,002,222; May 21.
Metal strips to sheets of wood, composition boarding or the like, Apparatus for attaching. A. M. Kamper. 2,002,265; May 21.
Metal treating apparatus. R. J. Wenn and L. D. Peik. 2,001,948; May 21.
Metals, Method of and apparatus for treating. G. E. Hilliard. 2,002,010; May 21.
Meter: *See*—
Gas density meter.
Mineral separator. W. R. J. Woock. 2,001,756; May 21.
Mirror device. W. L. Morrison. 2,001,743; May 21.
Mixer: *See*—
Cement mixer.
Mixer and juice extractor, Portable household. H. M. A. Strauss. 2,002,333; May 21.
Mixing apparatus. E. A. Colburn, Jr. 2,002,000; May 21.
Mixing device. A. L. Kurz. 2,002,323; May 21.
Modulation. H. O. Roosenstein. 2,001,891; May 21.
Modulating system. W. J. Albersheim. 2,002,214; May 21.
Modulating system. J. G. Nordahl. 2,002,209; May 21.
Mold: *See*—
Ingot mold.
Mold for concrete burial vaults, Collapsible. W. A. Palmer. 2,001,795; May 21.
Mold for inner tubes and the like, Vulcanizing. P. De Mattia. 2,002,110; May 21.
Motor: *See*—
Clock-motor. Internal combustion motor.
Electric motor. Rock drilling motor.
Fluid motor. Single phase motor.
Motor and the like, Alternating current. E. L. Carlson. 2,001,772; May 21.
Motor control system, Electric. E. U. Lassen and E. W. Seeger. 2,002,268; May 21.
Motor crank case or the like. F. L. Torney. 2,002,211; May 21.
Mounting, Axle. A. R. LeMoon. 2,002,152; May 21.
Mounting, Dual wheel. A. Krieg and J. A. Bundy. 2,002,290; May 21.
Mounting for toy locomotives, Motor. E. D. Boisselier. 2,002,256; May 21.
Mounting, Motor. R. K. Lee. 2,002,269; May 21.
Mouthpiece or the like, Cigarette. G. Davidson. 2,001,709; May 21.
Mowers, Tilting mechanism for. C. Pearson. 2,002,275; May 21.
Music, Production of. W. F. Curtis. 2,001,708; May 21.
Musical instrument. J. H. Hammond, Jr. 2,001,722; May 21.
Musical instrument controlling means. E. Verlinden. 2,002,162; May 21.

Nails, Making lead-headed screw-threaded. A. J. Denaston, Jr. 2,001,869; May 21.
Necktie holder. L. E. Baer. 2,002,231; May 21.
Negative resistance. E. H. Yonkers, Jr. 2,002,238; May 21.
Nipple, Teething and feeding. A. C. Heise and M. W. Jacobi. 2,001,842; May 21.
Nozzle. F. J. Rash. 2,001,889; May 21.
Nozzle, Fluid. O. W. Greene. 2,002,242; May 21.
Nozzle, Illuminated hose. C. E. Bourret. 2,002,107; May 21.
Nut cracking machine. W. H. Hancock. 2,002,289; May 21.
Nuts to candy bars, Method of and apparatus for applying. F. A. Martoccio. 2,002,018; May 21.
Oats from hulls, Apparatus for separating. L. B. Baumhover. 2,002,133; May 21.
Octylsalicylic acid. H. A. Bruson and O. Stein. 2,001,767; May 21.
Odor eliminating device. E. S. Smith. 2,001,828; May 21.
Oil and gas separator. E. J. Riley. 2,001,851; May 21.
Oil, Process and apparatus for acid treating light mineral. F. O. Blair. 2,001,899; May 21.
Oil, Treating. E. W. Gard. 2,002,004; May 21.
Oils, Process and apparatus for converting hydrocarbon. J. W. Throckmorton. 2,002,160; May 21.
Oils, Treatment of hydrocarbon. V. Ipatieff. 2,001,906; May 21.
Oils, Treatment of hydrocarbon. V. Ipatieff. 2,001,910; May 21.
Oils, Treating hydrocarbon. R. J. McRae. 2,001,741; May 21.
1-nitro-anthraquinone-6-acyl amino compounds and their preparation. E. B. Beard. 2,001,701; May 21.
One way brake. A. Zwald. 2,001,810; May 21.
Orchard heater. L. L. English. 2,002,054; May 21.
Ornamental material and making the same. J. W. Kantrow. 2,001,962; May 21.
Oscillation generator. W. Runge. 2,002,191; May 21.
Outlet, Convenience. V. R. Despard. 2,002,434; May 21.
Package diverting device. P. Van Wyk and I. R. Acheson. 2,001,927; May 21.
Pad: *See*—
Diaper pad.
Panel and the like of rustless steel and vitreous enamel, Ornamental. H. H. Harris. 2,001,725; May 21.
Pantograph machine, Automatic. H. H. Freed and H. B. Mann. 2,002,393; May 21.
Parallax panoramagrams, Making. H. E. Ives. 2,002,090; May 21.
Parking or deparking mechanism. H. H. Wolfe. 2,002,132; May 21.
Paste dispensing device. S. Spiros. 2,001,983; May 21.
Pasteurization apparatus, Regenerative. J. Olsen. 2,001,849; May 21.
Pen, Writing. L. S. Henwood. 2,001,726; May 21.
Percolator top. E. P. Seghers. 2,002,355; May 21.
Phonograph, Automatic. R. I. Wilcox. 2,002,236; May 21.
Phosphate coating, Method and material for producing. J. S. Thompson and V. M. Darsey. 2,001,754; May 21.
Phosphorus oxychloride, Making. H. P. Roberts. 2,002,277; May 21.
Photographic plates, Pack of. B. Liebeskind. 2,002,035; May 21.
Photographic printing apparatus and method for endless sound films. J. A. Maurer, Jr. 2,002,151; May 21.
Photographic printing emulsion and its production. W. A. Berry. 2,001,951; May 21.
Photographic shutter. G. L. Coursen. 2,002,109; May 21.
Piano recording. J. H. Hammond, Jr. 2,001,724; May 21.
Piano, Regenerative. J. H. Hammond, Jr. 2,001,723; May 21.
Picture records, Method and apparatus for forming sound motion. O. A. Ross. 2,002,188; May 21.
Pictures, Method and apparatus for transmission of. M. D. McFarlane. 2,002,208; May 21.
Pin and holder, Scarf. C. L. Trout. 2,002,195; May 21.
Pincer, Finger hair wave. R. G. Leland. 2,002,325; May 21.
Pipe fittings of integral tubular metal, Making elbow. E. S. Cornell, Jr. 2,002,470; May 21.
Placard. A. Alfano. 2,001,928; May 21.
Plant propagator, etc., or aquarium. G. Wernicke and A. R. Listern. 2,002,380; May 21.
Plants from ordinary vegetable plants, Developing ornamental. M. Uyematsu. 2,002,164; May 21.
Plow. R. L. Gurley. 2,002,059; May 21.
Plug: *See*—
Electric connecter plug.
Plug and socket, Electric. H. P. Hastings. 2,002,177; May 21.
Plug cleaning device, Spark. H. Rabezzana and A. J. Battey. 2,001,886–7; May 21.
Plug receptacle, Attachment. W. C. Tregoning. 2,001,990; May 21.
Polycycle propulsion means. A. J. Scholtes. 2,002,046; May 21.
Post: *See*—
Anchor post.
Potash and oxalic acid, Production of caustic. M. Enderli. 2,002,342; May 21.
Power transmission device. J. E. Larason. 2,001,736; May 21.
Power transmitting mechanism. W. Geist. 2,002,055; May 21.
Press: *See*—
Garment or ironing press. Ironing press.
Press mechanism. R. W. Dinzl. 2,001,712; May 21.
Printed fabric. A. W. Baylis. 2,002,359; May 21.
Printing device, Type cylinder. E. G. Rix. 2,001,890; May 21.
Proofs, Making. R. Lowensohn. 2,002,293; May 21.
Propeller, Ship. C. J. Ward. 2,001,896; May 21.
Protector: *See*—
Hand protector.
Pump: *See*—
Self-priming pump. Variable capacity pump.
Pump. W. Ferris, J. P. Ferris, G. H. Foblan and E. K. Benedek. 2,001,957; May 21.
Punch, Can. B. E. Dougherty. 2,002,173; May 21.
Puzzle, Magnetic. T. H. Darling and W. Maccabee. 2,002,077; May 21.
Quartz crystal oscillator. R. Bechmann. 2,002,167; May 21.
Queen-excluder in beehives, Perforated. L. I. H. Larsson. 2,001,845; May 21.
Rack: *See*—
Display rack.
Radiator fitting. F. P. McKeon. 2,002,038; May 21.
Radio receiving system. R. J. Chromy. 2,002,430; May 21.
Rail joints, Welding. F. Earle. 2,002,223; May 21.
Rake tooth cleaning appliance, Garden. W. B. Zimmerman. 2,002,484; May 21.
Range, Gas and coal. J. W. Ammerman, J. W. Barker, W. H. Klopfer and F. C. Manss. 2,002,384; May 21.
Ravioli machine. L. G. Lombi. 2,001,792; May 21.
Razor and blade, Safety. H. R. Segal. 2,002,297 8; May 21.
Razor blade structure and holder for same, Safety. A. W. Franklin. 2,002,436; May 21.
Razor edging machine, Automatic. A. J. Holman. 2,001,727; May 21.
Razor, Safety. J. R. Yotta. 2,002,104; May 21.
Receiving apparatus. W. Runge. 2,001,747; May 21.
Receptacle: *See*—
Flexible receptacle. Plug receptacle.
Garbage disposal receptacle.
Receptacle for pastes. E. Elle and M. Wetzler. 2,001,819; May 21.
Rectifier. H. G. André. 2,001,698; May 21.
Rectifier, Dry. W. C. van Geel and H. Emmens. 2,002,221; May 21.
Reel: *See*—
Casting reel.
Reflector. J. Kosten and J. J. Verwys. 2,002,015; May 21.
Refrigerating and advertising display device, Combined. S. G. House and A. R. Small. 2,002,061; May 21.
Refrigerating apparatus. E. E. Allyne. 2,002,426; May 21.
Refrigerating apparatus. G. R. Ohmart. 2,001,885; May 21.
Refrigerating apparatus and method. W. E. Carpenter. 2,002,309; May 21.
Refrigerating machine, Absorption. E. Altenkirch. 2,001,697; May 21.
Refrigerating system. J. F. Kopsa. 2,002,033; May 21.
Refrigerating system for low temperature purposes, Compression. H. Irler and J. H. Irler. 2,002,307; May 21.
Refrigeration. E. H. Ryden. 2,001,707; May 21.
Refrigeration apparatus. E. L. Barnes. 2,002,389; May 21.
Refrigerator. C. F. Belshaw. 2,002,305; May 21.
Refrigerator evaporator. H. S. Woodruff. 2,002,444; May 21.
Refrigerator latch. H. W. McPherson. 2,001,740; May 21.
Refrigerator structure. L. G. Copeman. 2,002,339; May 21.
Regenerative system and operating the same. J. A. Heany and H. St. Laurent. 2,002,201; May 21.
Regulating system. G. W. Garman. 2,002,371; May 21.
Regulator: *See*—
Electronic current regulator. Speed regulator.
Relay, Tractive type. J. F. Merkel. 2,002,475; May 21.
Relay, Tractive type. J. F. Merkel. 2,002,476; May 21.
Remote control device. L. W. Reinken. 2,002,353; May 21.
Rerolling speed control for musical instruments. E. Verlinden. 2,002,163; May 21.
Resilient connecter. R. Mayne. 2,002,377; May 21.
Resilient coupling. V. A. Kjaer. 2,002,115; May 21.
Retort clean-out machine. H. R. MacMichael. 2,001,881; May 21.
Ring: *See*—
Clothesline ring.
Road machine. O. F. Church. 2,002,431; May 21.
Rock drill. E. G. Gartin. 2,001,716; May 21.
Rock drilling motor. E. G. Gartin. 2,001,718; May 21.
Rock drilling motor. M. C. Huffman. 2,001,728; May 21.
Rocker blade bit. C. E. Bannister. 2,002,388; May 21.
Rod: *See*—
Welding rod.
Rodent trap. E. F. Schroeder. 2,002,129; May 21.
Roll controlling mechanism, Web. A. J. Horton. 2,002,011; May 21.
Roofing fastener, Roll. H. Maze. 2,001,932; May 21.
Roofing tile fastener. T. R. Kobe. 2,002,206; May 21.
Rotor for rotary engines. E. Silbermann. 2,001,800; May 21.

Rubber articles, Making ornamented. A. L. Diller and L. H. L'Hollier. 2,002,391; May 21.
Rubber articles, Making ornamented. L. H. L'Hollier. 2,002,375; May 21.
Rubber coated object. E. C. Domm. 2,002,262; May 21.
Rubber, Cold vulcanization of. D. F. Twiss, A. E. T. Neale, and J. A. Wilson. 2,002,067; May 21.
Rubber insulation for submarine cables. R. R. Williams and A. R. Kemp. 2,002,461; May 21.
Rubber product and preparing it, Colored. H. Eichwede. 2,002,174; May 21.
Rug-hooking device. H. Kohanek. 2,002,401; May 21.
Ruler, Adjustable curve. W. S. Weston. 2,001,949; May 21.
Safety device for food choppers and the like. M. W. McArdle and I. Jeppsson. 2,001,793; May 21.
Safety turn stop light. P. Caponi. 2,001,705; May 21.
Sand and like materials, Apparatus for blending. H. L. McKinnon and M. E. First. 2,001,973; May 21.
Sander and jointer, Combination. O. Evinrude. 2,001,955; May 21.
Scale, Weighing. O. H. Hem. 2,001,905; May 21.
Scales, Apparatus for relieving shocks on. S. D. Moxley. 2,002,411; May 21.
Screen: *See*—
Projection screen. Windshield storm screen.
Searchlight reflector. M. Mannheimer. 2,002,376; May 21.
Seat: *See*—
Adjustable window seat. Valve seat.
Seat adjuster. S. K. Bishop. 2,001,999; May 21.
Securing device. F. E. Sinclair. 2,001,752; May 21.
Self-priming pump, Centrifugal. H. E. Rupp. 2,002,454; May 21.
Separable fastener. G. G. Sabins. 2,001,942; May 21.
Separator: *See*—
Mineral separator. Oil and gas separator.
Separator for liquids having different specific gravities. H. A. Thompson. 2,002,253; May 21.
Serving head. C. B. Fantone and R. M. Jameson. 2,002,225; May 21.
Settling, Method and apparatus for. J. T. Worthington. 2,001,809; May 21.
Sewing machine head, Electrically lighted. R. F. List. 2,001,966; May 21.
Sewing machine, Lock stitch. H. Corrall and J. Heggie. 2,002,172; May 21.
Sewing machine, Shoe. A. Bates and F. C. Choice. 2,002,136; May 21.
Shafting, Manufacture of flexible. R. C. Angell and F. L. O. Wadsworth. 2,002,479; May 21.
Sheath for radiators and the like. F. W. Hvoslef. 2,001,876; May 21.
Sheet, Transfer. E. Hano. 2,001,960; May 21.
Shield, Eye. W. K. Price. 2,002,098; May 21.
Shock absorber. S. Smith. 2,002,100; May 21.
Shock absorber for automobiles, Hydraulic. H. Hëme. 2,002,397; May 21.
Shock absorbing and stabilizing structure, Combined. J. Konopka. 2,002,402; May 21.
Shock compressing attachment for grain shockers. A. P. Lotstrand. 2,002,408; May 21.
Shoe. J. H. Eversdon. 2,001,821; May 21.
Shoe channeling and grooving machine. G. Gregoire. 2,001,720; May 21.
Shoe conveying system. A. R. Schoenky. 2,001,750; May 21.
Shoe counter. A. C. Engel. 2,002,093; May 21.
Shoe with elastic rubber insert. I. Goth. 2,001,841; May 21.
Shot concentrator. E. McGavock. 2,002,036; May 21.
Shuttle eye. P. L. Spencer. 2,002,131; May 21.
Sign: *See*—
Traffic sign.
Signal: *See*—
Defective light signal. Light signal.
Direction signal. Wigwag signal.
Signal lens means. W. E. Signor. 2,002,331; May 21.
Signal structure. W. E. Signor. 2,002,332; May 21.
Signaling system for railroads. T. Bodde. 2,002,468; May 21.
Signals for railroads, Light. J. F. Merkel. 2,002,477; May 21.
Silk manufacture, Artificial. B. Gordon, Jr., and H. J. V. Michel. 2,002,481; May 21.
Silk, Manufacture of artificial. A. J. L. Mortiz. 2,001,742; May 21.
Single phase motor. A. M. Wilson. 2,002,382; May 21.
Skate, Railway track. H. L. Rone. 2,002,217; May 21.
Slag drip and screen. E. G. Bailey and H. J. Kerr. 2,002,465; May 21.
Slicing machine. W. J. Campbell. 2,001,769–71; May 21.
Socket for artificial limbs. T. Kohl. 2,002,064; May 21.
Solvent for acetyl cellulose. J. F. Walsh and A. F. Caprio. 2,002,049; May 21.
Sound absorbing material. J. Mazer. 2,001,916; May 21.
Sound-absorbing unit and making the same. J. Mazer. 2,001,970; May 21.
Sound deadening structure. G. D. Kellogg. 2,001,733; May 21.
Sound with motion pictures, System for synchronizing. E. H. Hansen. 2,002,111; May 21.
Spark extinguisher, Engine. C. F. Gerlinger. 2,002,027; May 21.
Speed regulator. I. J. Larson and J. J. Hochn. 2,002,150; May 21.
Spool holder. J. T. Murchie, Jr. 2,002,412; May 21.
Spring: *See*—
Furniture spring. India-rubber spring.
Spring and making the same, Flat. K. Kaden. 2,002,399; May 21.
Spring connecter. R. W. Cook. 2,001,835; May 21.
Spring structure. C. S. Reed. 2,002,157–8; May 21.
Springs together, Fastening. C. Dietrich. 2,002,080; May 21.
Sprinkler. H. L. Henry. 2,002,178; May 21.
Stabilizer for vehicles. H. Hëme. 2,002,398; May 21.
Starches, Manufacture of. F. H. Thurber. 2,001,925; May 21.
Statements, bills, and the like, Mechanical method of preparing. M. Maul. 2,002,437; May 21.
Steam boiler. E. G. Bailey, H. J. Kerr, and R. M. Hardgrove. 2,002,463; May 21.
Steam generator. J. Treloar. 2,002,254; May 21.
Steam injector, Exhaust. E. Rawson. 2,002,156; May 21.
Steel object and making the same, Rubber coated. E. C. Domm. 2,002,261; May 21.
Steel object, Rubber coated. E. C. Domm. 2,002,263; May 21.
Stenciling or decorating apparatus. R. H. Barnard. 2,002,335; May 21.
Stock quotation projecting machine. J. W. Decker. 2,001,710; May 21.
Stop, Warping creel thread. A. Brucun. 2,002,137; May 21.
Stopper, Nonrefillable bottle. J. H. Gruver and J. H. Baldwin. 2,002,143; May 21.
Stove. C. Ehret. 2,001,713; May 21.
Stove, Rotatable top. C. Ehret. 2,001,714; May 21.
Strain device. H. E. Miller. 2,001,917; May 21.
Strainer, Pulp. M. Lamort. 2,002,404; May 21.
Strip material, Method of and machine for applying reenforcing. R. A. Hartt. 2,002,452; May 21.
Strip material, Rolling. C. A. Kral. 2,002,266; May 21.
Striping device. F. P. Ryan. 2,002,278; May 21.
Structural element. O. Rothenstein. 2,002,044; May 21.
Structure for buildings. H. Griesel. 2,002,347; May 21.
Support: *See*—
Tissue support.
Support for awnings or sunshades. A. J. Popes. 2,002,296; May 21.
Support for electric batteries undergoing charging. C. J. McKenna. 2,002,037; May 21.
Surgical fracture extension appliance. H. Rouse. 2,002,021; May 21.
Swaging means. H. A. Douglas. 2,002,220; May 21.
Switch: *See*—
Lock switch.
Switch mechanism, Motor driven. G. Ogurkowski. 2,001,920; May 21.
Synchronizing clutch. R. Thomson. 2,001,856; May 21.
Syringe. F. L. Wood. 2,002,024; May 21.
Table: *See*—
Adjustable table. Folding ironing table.
Cutting table. Work tabl
Table top, Card. W. J. Nevius. 2,001,9 ; May 21.
Tabulating mechanism for accounting machines. R. A. Christian. 2,002,362; May 21.
Tank: *See*—
Fuel storage tank.
Tanks, Forming high pressure. B. Hart. 2,001,998; May 21.
Taper roller lapping device and method. W. E. Hoke. 2,002,317; May 21.
Telephone and like transmission systems. A. D. Blumlein. 2,001,900; May 21.
Telephone system. T. L. Dimond. 2,002,219; May 21.
Telephone system. J. F. Toomey, and W. E. Hogan. 2,002,212; May 21.
Template. J. L. Anderson. 2,002,073; May 21.
Tension on strips of flexible material drawn from flat coils, Controlling the. F. H. Fry. 2,001,780; May 21.
Testing machine, Portable. R. W. Dinzl. 2,001,711; May 21.
Textile apparatus. W. A. Pickie and E. L. Greenwood. 2,002,078; May 21.
Theater seat, Self-closing detachable. M. T. Vandervoort. 2,001,991; May 21.
Thermal device, Snap acting. E. O. Blodgett. 2,002,467; May 21.
Thermometer and hydrometer, Combination. G. H. Lecarpentier. 2,002,183; May 21.
Thermostat. J. M. Johnson. 2,002,031; May 21.
Thermostatic and time heat control for stove ovens, Combined. B. E. Meacham. 2,002,409; May 21.
Thread, Apparatus for making rubber. J. R. Gammeter. 2,001,781; May 21.
Thresher, Harvester. E. A. Johnston, C. R. Raney, and A. E. W. Johnson. 2,002,205; May 21.
Ticket dispensing means. C. Fürrer. 2,001,903; May 21.
Tie trunk line. L. J. Bowne. 2,002,218; May 21.
Tile, Roofing. J. Kremper. 2,002,244; May 21.
Time indicating system. E. N. Anderson. 2,001,831; May 21.
Timepiece, Electric. L. Tisseyre and I. Cotnareanu. 2,002,421; May 21.
Tire cover, One piece arcuate. G. A. Lyon. 2,001,969; May 21.

Tire cover, Shove down molded. G. A. Lyon. 2,001,968; May 21.
Tire cover, Unitary. G. A. Lyon. 2,001,967; May 21.
Tissue support, Facial. E. C. Battey. 2,001,862; May 21.
Tobacco and similar materials, Treatment of. G. D. Harris. 2,002,060; May 21.
Tool: *See*—
Hand tool.
Tool for inserting valve lock washers or keepers. S. Kyser. 2,002,016; May 21.
Tools, Work piece guide for machine. K. Tessky. 2,002,282; May 21.
Toothbrush. F. A. Jones. 2,002,320; May 21.
Top for percolators and the like. E. P. Seghers. 2,002,354; May 21.
Tower, Cooling. S. W. Kryssewski and E. L. Cahoon. 2,002,065; May 21.
Toy, Electrically lighted. A. N. Smith. 2,002,358; May 21.
Toy, Fighting. A. D. Fairgrieve. 2,002,026; May 21.
Toy washing machine. F. J. Goriup. 2,001,822; May 21.
Tractor. T. Brown and L. A. Murray. 2,002,002; May 21.
Tractor attachment for broadcast seeders. C. A. Hitchcock. 2,002,179; May 21.
Tractor, Track type. N. O. Pansegrau. 2,002,274; May 21.
Traffic sign. G. H. Muehleisen. 2,022,248; May 21.
Trailer hitch. G. J. Shafer. 2,002,416; May 21.
Trailer, Log. H. G. De Bou and C. S. Thicke. 2,001,839; May 21.
Transformer, High frequency coupling. K. Posthumus. 2,002,187; May 21.
Transmission and control therefor, Free wheeling. H. J. Heck and J. M. Simpson. 2,001,783; May 21.
Transmission clutch. E. Roberts. 2,002,478; May 21.
Transmission mechanism. J. M. Christman. 2,002,310; May 21.
Transmitter. W. Ilberg. 2,002,181; May 21.
Transportation means. H. A. Otis. 2,001,935; May 21.
Trap: *See*—
Animal trap. Rodent trap.
Tray, Refrigerator freezing. R. H. Chilton. 2,002,232; May 21.
Tray, Serving. O. Mitchell. 2,002,328; May 21.
Trench excavator. W. A. Davis. 2,002,239; May 21.
Trimmer, Grass. R. B. Hite. 2,001,396; May 21.
Tube: *See*—
Venturi tube.
Tube inflating machine. E. Eger. 2,001,777; May 21.
Tube tester, Audion. R. L. Triplett. 2,001,945; May 21.
Tubes and other tubular articles, Producing seamless drawn. P. Otto. 2,002,415; May 21.
Tubes, Method and machine for processing collapsible. E. H. Barker. 2,001,760; May 21.
Tubing head. S. P. Tschappat. 2,001,946; May 21.
Tubing, Producing. S. F. Clement. 2,002,258; May 21.
Typewriting machine. H. A. Avery. 2,001,759; May 21.
Typewriting machine. S. I. Berger. 2,002,075; May 21.
Typewriting machine E. B. Hess. 2,002,395; May 21.
Typewriting machine. W. O. Michelsen. 2,002,410; May 21.
Underfloor duct system. H. S. Walker. 2,002,068; May 21.
Utensil, Kitchen. M. Clark and T. J. Callan. 2,000,815; May 21.
Vacuum stabilizer. H. Hueber and E. C. Horton. 2,002,318; May 21.
Vacuum tube tester. J. R. Williams. 2,002,425; May 21.
Valve: *See*—
Ball cock valve.
Valve. G. L. Kennedy. 2,002,182; May 21
Valve assembly for compensators. C. Sauzedde. 2,001,749; May 21.
Valve for combination sewer drains, Odor-sealing. B. A. Cunningham. 2,001,901; May 21.
Valve mechanism. O. Duda. 2,001,818; May 21.
Valve mechanism. F. A. Lind. 2,002,270; May 21.
Valve operating device, Check. E. L. Rowe and S. Taylor. 2,001,941; May 21.
Valve organization for gas ranges. E. E. Hodgkin, W. W. Wodell, and H. Lange. 2,002,089; May 21.
Valve seat, Repair. J. Weir. 2,001,830; May 21.
Vane instrument, Transversely magnetized. R. G. Arey and H. T. Faus. 2,002,445; May 21.
Vapor pressure, Method and apparatus for continuously determining. E. P. Valby and M. L. Arnold. 2,002,101; May 21.
Variable capacity pump. H. Centervall. 2,001,706; May 21.
Vegetable fibers, Treating. A. Bodmer and E. Weiss. 2,002,106; May 21.
Vehicle. W. M. Sheehan. 2,001,751; May 21.
Vehicle. W. M. Sheehan. 2,002,350; May 21.
Vehicle body construction. H. A. Johnson. 2,001,877; May 21.
Vehicle, Convertible child's. S. Botteese. 2,001,929; May 21.
Vehicle cooling system, Motor. H. Hueber. 2,002,310; May 21.
Vehicle frame. J. Ledwinka. 2,001,846; May 21.
Vehicle, Motor. H. A. Johnson. 2,001,878; May 21.
Vehicle spring suspension. P. Viviano. 2,002,459; May 21.
Vehicles, Apparatus for controlling excessive movements in sprung bodies of motor driven road. W. R. Oyston. 2,002,249; May 21.
Vertical unit heater. C. C. Carson. 2,001,834; May 21.
Voltaic couple. S. Ruben. 2,001,978; May 21.
Volume control, Automatic. J. R. Nelson. 2,001,825; May 21.
Volume control, Automatic. H. A. Wheeler. 2,001,950; May 21.
Wall and ceiling construction. G. R. Walper. 2,002,303; May 21.
Washer and making same, Lock. F. W. England. 2,001,956; May 21.
Washing and conditioning machine, Cake. J. J. Sippel. 2,002,418; May 21.
Water hammer eliminator W. M. Gray. 2,002,451; May 21.
Water filter. H. W. Bode. 2,002,216; May 21.
Waves, Producing artificial. O. A. Price. 2,002,043; May 21.
Welder, Sheet flash. A. F. Hanson. 2,002,007; May 21.
Welding rod. G. W. Woods. 2,002,402; May 21.
Well drilling apparatus. C. E. Bannister. 2,002,387; May 8.
Well equipment. S. V. Dillon. 2,002,140; May 21.
Well production apparatus. J. H. Howard. 2,002,062; May 21.
Wheel. F. H. Le Jeune. 2,002,292; May 21.
Wheel for harvester threshers, combined grain and transport. E. A. Johnston. 2,002,473; May 21.
Wigwag signal. W. E. Signor. 2,002,330; May 21.
Window assembly for an automotive vehicle. H. C. Field 2,001,778; May 21.
Window regulator mechanism. W. L. Kraemer. 2,002,322; May 21.
Windshield cleaner. R. A. Bean, Jr. 2,002,336; May 21.
Windshield storm screen. J. R Olshei and E V. Schaal 2,002,438; May 21.
Work table, Rotatable. F. R. Swanson. 2,002,442; May 21.
Wrench: *See*—
Adjustable wrench.

CLASSIFICATION OF PATENTS

ISSUED MAY 21, 1935

NOTE.—First number = class, second number = subclass, third number = patent number

1—	12:	2,002,265	29—148.5:	2,002,121	62—	108.5:	2,002,232	101—	132:	2,002,321	126—	110:	2,001,953	158—	113:	2,001,972
2—	12:	2,002,098	156:	2,002,415		115:	2,002,033		211:	2,002,293		113:	2,002,312	159—	4:	2,002,252
	20:	2,001,961	157:	2,002,470		119.5:	2,001,697		348:	2,002,032		116:	2,002,023	161—	19:	2,001,831
	115:	2,002,231	173:	2,002,399		121:	2,002,307		350:	2,001,890		214:	2,001,714	164—	42:	2,001,903
	132:	2,001,883	188:	2,002,229		129:	2,002,235	102—	15:	2,002,036	127—	66:	2,001,925		47:	2,001,731
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	257:	2,002,052		2,002,297		176:	2,002,234		161:	2,001,706		72:	2,002,349		120:	2,002,173
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	262:	2,001,882		46: 2,002,245		137:	2,002,417		260:	2,002,217		215:	2,002,024	170—	150:	2,001,896
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	27:	2,001,981		177: 2,001,949		19:	2,001,822		366:	2,002,422		39:	2,002,045	172—	36:	2,001,799
	85:	2,001,956		180: 2,002,286	70—	2:	2,001,805			2,002,439		52:	2,001,709		126:	2,002,124
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	55:	2,002,452		36: 2,002,087		90:	2,002,260	107—	1:	2,001,792		33:	2,001,904		330:	2,001,990
	128.1:	2,001,775		51: 2,001,841	71—	9:	2,002,400			2,002,018			2,001,915		361:	2,002,291
13—	29:	2,001,808		59: 2,001,976	72—	1:	2,001,666		8:	2,002,175	134—	1:	2,002,063			2,002,302
15—	45:	2,001,745		68: 2,002,093		9:	2,002,127	108—	10:	2,002,206	135—	5:	2,002,296	174—	177:	2,002,119
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18—	2:	2,001,765		130: 2,002,376		15:	2,002,179		181:	2,002,172		73:	2,002,383			2,002,221
	8:	2,002,066		138: 2,001,880		224:	2,002,126	113—	7:	2,002,456		75:	2,002,103	176—	122:	2,001,852
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		2,002,418		34: 2,001,928		370:	2,002,310		44:	2,001,760		139:	2,001,941	177—	311:	2,002,184
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	50:	2,001,701		45: 2,002,117	75—	1:	2,002,460		5:	2,001,989		217:	2,002,131		329:	2,002,251
		2,002,174		47: 2,001,844		22.5:	2,002,010		19:	2,002,259		336:	2,002,429			2,002,330
	53:	2,002,067		62: 2,002,120	77—	28:	2,002,446	120—	59:	2,002,092	140—	3:	2,002,080			2,002,331
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		2,002,262		133: 2,002,041	78—	9:	2,001,902	121—	7:	2,001,729	141—	9:	2,002,300			2,002,471
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		2,002,481		2,002,326	80—	60:	2,002,266		10:	2,001,718		54:	R. 19,582		351:	2,002,372
	57:	2,002,238		48: 2,002,256	81—	3:	2,002,016			2,001,728			2,001,967	178—	5:	R. 19,575
	58:	2,002,375		2,002,358		5.1:	2,001,707		13:	2,001,746			2,001,968			2,002,208
		2,002,391	47—	38: 2,002,380		175:	2,001,789		38:	2,001,988			2,001,969		6:	2,001,730
	59:	2,001,977		58: 2,002,164	82—	39:	2,002,282		41:	2,002,315	144—	309:	2,002,228		44:	2,001,900
19—	37:	2,001,974	48—	180: 2,002,279	83—	10:	2,002,224		117:	2,002,200	146—	2:	2,001,815			2,002,187
	114:	2,002,079	49—	77: 2,002,314	84—	1:	2,001,708		119:	2,002,386		12:	2,002,289			2,002,192
	146:	2,001,782		2,002,432			2,001,722		134:	2,002,450		55:	2,002,161			2,002,193
20—	23:	2,002,154		114: 2,002,346			2,001,723		194:	2,002,211		102:	2,001,769			2,002,216
	40.5:	2,001,877		81: 2,002,082		123:	2,002,162	122—	6:	2,001,766			2,001,770	179—	16:	2,002,219
		2,001,878	51—	8: 2,001,886		133:	2,002,163			2,002,276			2,001,771		41:	2,002,212
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22—	139:	2,001,879		9: 2,001,948		23:	2,002,056		235:	2,002,463		6.5:	2,001,754		78:	2,001,847
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	203:	2,002,292		48: 2,002,317		16.6:	2,002,090			2,002,465	150—	38:	2,001,864		100.1:	R. 19,583
	206:	2,002,222		128: 2,001,955		17:	2,002,074		302:	2,001,734		54:	R. 19,582		100.3:	2,002,214
		2,002,223		190: 2,001,911		23:	2,001,840			2,001,735			2,001,967			2,002,351
23—	3:	2,002,357	53—	3: 2,002,354		24:	R. 19,572		451:	2,002,254			2,001,968			2,002,352
	203:	2,002,227		2,002,355			R. 19,574	123—	2:	2,002,316			2,001,969		100.4:	2,001,724
	225:	2,002,365		7: 2,002,237			2,002,188		52:	2,001,895	152—	11:	2,001,777		115.5:	2,002,189
	239:	2,002,168	55—	81: 2,002,272		54:	2,001,952		55:	2,002,049		22:	2,002,270			2,002,190
	250:	2,001,788		146: 2,002,484		81:	2,002,015		74:	2,001,965	153—	10:	2,001,712		171:	2,001,891
		2,002,243		149: 2,002,255	90—	9:	2,001,987		90:	2,002,196		54:	2,001,757			2,002,201
24—	19:	2,002,141	56—	20: 2,002,305		58:	2,002,442		113:	2,002,294	154—	2:	2,001,785			2,002,209
	49:	2,002,195		25: 2,002,225	91—	62.6:	2,002,278		119:	2,002,482		28:	2,001,970			2,002,338
	137:	2,002,001		2,002,396		68:	2,002,263			2,002,483		44:	2,001,912	180—	1:	2,002,002
	139:	2,002,435		122: 2,002,473	92—	33:	2,002,404		139:	2,001,843			2,001,916			2,002,192
	207:	2,002,360		430: 2,002,408	93—	35:	2,001,934		148:	2,002,114	155—	14:	2,001,999		22:	2,002,210
	226:	2,001,942	58—	38: 2,002,421	95—	6:	2,001,951		169:	2,001,888		85:	2,001,901		70:	2,001,870
	236:	2,001,959		2,002,433		31:	2,002,076		173:	2,001,854		143:	2,002,118		73:	2,002,402
25—	130:	2,001,795	60—	54.6: 2,001,749		63:	2,002,109		179:	2,002,405		179:	2,002,157	182	4:	2,001,901
26—	61:	2,002,096		60: 2,002,318		75:	2,002,151		191:	2,001,913			2,002,158	183—	2.7:	2,001,851
28—	32:	2,002,359	61—	16: 2,002,301	97—	123:	2,002,059		195:	2,001,866	156—	16:	2,002,171		4:	2,001,828
	51:	2,002,137	62—	1: 2,002,389		227:	2,001,921		198:	2,002,165		24:	2,001,864	184—	6:	2,001,857
29—	4.5:	2,001,940		5: 2,001,797	98—	106:	2,001,801			2,002,230		46:	2,002,268			2,001,858
	26:	2,002,480		37.3: 2,002,305	99—	11:	2,002,053	126—	39:	2,001,713	158—	3:	2,002,028		55:	2,001,717
	27:	2,002,186		89: 2,002,339			2,002,146			2,002,384		28:	R. 19,573	185—	7:	2,001,755
	38:	R. 19,578		91.5: 2,002,309			2,002,345		41:	2,001,703		53:	2,002,288	188—	2:	2,001,875
	60:	2,001,814		95: 2,001,872	101—	47:	2,002,437		59.5:	2,002,054		104:	2,002,448		78:	2,001,933
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CLASSIFICATION OF PATENTS

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		2,001,944		127:	2,002,361		12:	2,002,105	247—	1:	2,002,034			2,002,333	272—	26:	2,002,043
		2,001,958		176:	2,002,362		19:	2,002,438		28:	2,002,068		96:	2,002,000	273—	77:	2,002,106
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		2,002,017		20:	2,001,750		37:	2,001,995		31:	2,001,917		16:	2,001,715		95:	2,001,811
	79.5:	2,002,139			2,002,009	220—	40:	2,001,980		49:	2,002,202		29:	2,001,975		148:	2,002,166
	81:	2,001,810		127:	2,001,773		42:	2,002,457	250—	8:	2,001,747		40:	2,002,280		151:	2,001,918
	152:	2,001,971		158:	2,002,138			2,002,458		11:	2,002,181		44:	2,001,737		157:	2,002,077
	187:	2,002,150		185:	2,001,927		46:	2,001,748			2,002,197			2,001,738	274—	10:	2,002,236
	210:	2,002,350	200—	55:	2,002,047		54:	2,002,072			2,002,430		60:	2,001,701	277—	19:	2,002,089
189—	30.5:	2,001,719		87:	2,002,475		81:	2,002,366		14:	2,002,390			2,001,702	280—	8:	2,001,929
	31.5:	2,001,893		92:	2,001,920		94:	2,001,947		30:	2,001,825			2,002,247		33.2:	2,001,839
	37:	2,002,044		109:	2,001,866	221—	60:	2,001,983			2,001,950			2,002,264		33.44:	2,002,416
	46:	2,002,392		119:	R. 19,584			2,002,125			2,002,443		64:	2,002,130		44:	2,002,455
	85:	2,001,733		122:	2,002,467		66:	2,002,420		27:	2,001,836		106:	2,001,926		61:	2,001,894
190—	41:	2,001,806		142:	2,002,031		109:	2,002,039			2,001,837		111:	2,001,747		106:	2,001,846
		2,001,807		147:	2,002,476	223—	18.1:	2,002,441			2,001,838		115:	2,002,342			2,002,474
192—	8:	2,001,758	204—	6:	2,001,998	229—	1.5:	2,002,215			2,001,945		123:	2,002,064		112:	2,002,249
	48:	2,001,762		24:	2,001,776		17:	2,002,363			2,002,343			2,002,085		166:	2,001,802
		2,001,804			2,001,809		29:	2,001,816			2,002,425		135:	2,001,930	281—	44:	2,001,774
		2,001,783		31:	2,002,003			2,001,984		27.5:	2,002,207		154:	2,002,447	282—	22:	2,002,226
	52:	2,001,931	206—	29:	2,002,051		37:	2,001,850		36:	2,002,191	261—	34:	2,001,993		29:	2,001,960
	53:	2,001,856		38:	2,001,927		51:	2,002,005			2,002,238		77:	2,001,889	285—	143:	2,002,472
		2,001,892		44:	1,001,798			2,002,364		40:	2,002,353		90:	2,001,817	286—	17:	2,002,012
	85:	2,002,058			2,001,820		52:	2,002,013	251—	102:	2,002,182		92:	2,001,833	287—	125:	2,001,752
		2,002,367		47:	2,002,341		87:	2,001,761		144:	2,001,818		104:	2,002,273	292—	173:	2,001,740
	105:	2,002,478		56:	2,001,819	230—	92:	R. 19,581		156:	2,002,086		109:	2,002,065	294—	34:	2,002,149
	107:	2,002,285			2,001,919		206:	2,001,874	253—	32:	2,001,800		117:	2,001,700	296—	3:	R. 19,580
	135:	2,001,793		62:	2,002,035		228:	2,001,885	254—	2:	2,001,744	263—	10:	2,002,030		44:	2,001,763
193—	43:	2,002,147	208—	37:	2,002,046	232—	34:	2,002,424		26:	2,001,886	264—	14:	2,002,040			2,001,863
194—	70:	2,002,123	209—	44:	2,001,756	235—	6:	2,001,779		86:	2,001,890	265—	10:	2,001,861		48:	2,001,778
	95:	2,002,373		284:	2,002,133	236—	15:	2,002,409			2,002,428		14:	2,001,711	299—	18:	2,002,178
196—	8:	2,001,996	210—	1:	2,002,145	237—	73:	2,002,038	255—	4:	2,002,365		18:	2,001,794		107.5:	2,002,134
		2,002,340		8:	R. 19,577	240—	1:	2,002,313			2,002,387		37:	2,001,905	301—	12:	2,002,290
	10:	2,001,905		43:	2,002,253		2:	2,002,107		61:	2,002,388		44:	2,001,865		108:	2,002,159
		2,001,907		57:	2,002,407		2.14:	2,001,966		72:	2,001,764		46:	2,002,183	303—	6.1:	2,002,025
		2,001,908		65:	2,001,997		4.1:	2,001,743	257—	2:	2,001,784		72:	2,002,111		82:	2,002,329
		2,001,909	211—	1:	2,002,128		44.26:	2,002,477		8:	2,001,704	267—	1:	2,001,835	304—	24:	2,001,796
		2,001,910	213—	40:	2,001,855	242—	71:	2,001,884		64:	2,002,242		9:	2,002,100	305—	9:	2,002,274
		2,002,394	214—	1:	2,002,419		75:	2,001,780		136:	2,001,876		11:	2,002,397	308—	4:	2,002,203
	13:	2,002,004		8.5:	2,002,213			2,002,011		137:	2,001,834			2,002,398		121:	2,001,823
	40:	2,001,899		24:	2,001,881		84.7:	2,002,424		167:	2,002,019		21:	2,002,377	311—	22:	2,002,328
	44:	2,002,250	215—	22:	2,002,143		134:	2,002,412		168:	2,002,020		36:	2,002,459	312—	36:	2,001,786
	60:	2,002,160	217—	1:	2,001,859		157:	2,002,078		183:	2,001,923		41:	2,002,152		37:	2,002,088
	63:	2,001,741		36:	2,002,102	244—	2:	2,002,095		243:	2,002,426		54:	2,002,284		144:	2,002,246
197—	27:	2,002,395	219—	4:	2,002,007		19:	2,002,287		244:	2,000,832	268—	72:	2,002,304			

U. S. GOVERNMENT PRINTING OFFICE: 1935

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Advance Aluminum Castings Corporation, Chicago, Ill. Cooking utensils. Serial No. 352,412; May 28. Class 13.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Sleds. Serial Nos. 363,840–1; May 28. Class 22.

Allied Beauty Products Mfg. Co., Chicago, Ill. Hair waving solutions. Serial No. 361,495; May 28. Class 6.

American Building Products Corporation, New York, N. Y. Plaster. Serial No. 359,607; May 28. Class 12.

American Chemical Paint Company, Ambler, Pa. Polishes and detergents for metals. Serial No. 357,886; May 28. Class 4.

American Record Corporation, New York, N. Y. Buttons and buckles. Serial No. 339,341; May 28. Class 40.

Anglo-French Drug Co., (U. S. A.) Inc., New York, N. Y. Medicines for the treatment of constipation. Serial No. 363,544; May 28. Class 6.

Atlantic Refining Company, The, Philadelphia, Pa. Mineral oil for medicinal purposes. Serial No. 363,027; May 28. Class 6.

Atlantic Refining Company, The, Philadelphia, Pa. Mineral oil for medicinal purposes. Serial No. 363,029; May 28. Class 6.

Atlas Publishing Company, Inc., New York, N. Y. Publication. Serial No. 361,834; May 28. Class 38.

Automatic Pearl Button Co., Muscatine, Iowa. Buttons. Serial No. 363,150; May 28. Class 40.

Barr, E. L., doing business as Barr Packing Co., Sanger, Calif. Fresh deciduous fruits. Serial No. 356,098; May 28. Class 46.

Battle Creek Natural Products Corporation, New York, N. Y. Vegetable concentrates. Serial No. 362,659; May 28. Class 46.

Bay City Milling Company, Bay City, Mich. Canned pork and beans, canned corn, canned tomatoes, etc. Serial No. 359,609; May 28. Class 46.

Beebe, A. M., doing business as A. M. Beebe Company, San Francisco, Calif. Canned fruits, canned vegetables. Serial No. 363,795; May 28. Class 46.

Biltmore Textile Company, Inc., Providence, R. I. Shoe laces. Serial Nos. 363,199–200; May 28. Class 40.

Blair Chemical Co., Inc., Long Island City, N. Y. Medicated preparation in liquid form used to restore natural color to gray or faded hair, etc. Serial No. 358,547; May 28. Class 6.

Bowser, S. F., & Company, Inc., Fort Wayne, Ind. Measuring and dispensing pumps and meters. Serial No. 362,508; May 28. Class 26.

Bradley, C. E., Corporation, Brattleboro, Vt. Pen holders. Serial No. 348,628; May 28. Class 37.

Brock, L. M., & Company. (See Enwright, Eleanore V.)

Brothers Corporation, Brooklyn, N. Y. Bulk laxative for constipation. Serial No. 363,551; May 28. Class 6.

Brown Shoe Company, St. Louis, Mo. Shoes. Serial No. 362,220; May 28. Class 39.

Brown Shoe Company, St. Louis, Mo. Shoes. Serial No. 362,663; May 28. Class 39.

Burton-Dixie Corporation, Chicago, Ill. Studio couches. Serial No. 363,577; May 28. Class 32.

Callahan, Bernard E., Chicago, Ill. Books. Serial No. 362,866; May 28. Class 38.

Candy-Crafters, Inc., Lansdowne, Pa. Candy. Serial No. 348,868; May 28. Class 46.

Carnrick, G. W., Co., Newark, N. J. Aqueous solution of the anterior pituitary like sex hormone. Serial No. 363,424; May 28. Class 6.

Cataract-Sharpe Mfg. Co., Buffalo, N. Y. Tableware, flatware, and stemware. Serial No. 360,575; May 28. Class 33.

Chalmers, Arthur R., Kansas City, Mo. Preparation for the treatment of diseases of the mouth. Serial No. 362,867; May 28. Class 6.

Charles, W. & R., Co., Inc., New York, N. Y. Viable acidophilus preparations. Serial No. 362,906; May 28. Class 6.

Celanese Corporation of America, New York, N. Y. Solvent for cellulose derivatives. Serial No. 362,994; May 28. Class 6.

Ceylola Tea Company. (See Rawlins, Cleophas J.)

Clay-Adams Co., Inc., New York, N. Y. Electrically illuminated examining devices. Serial No. 360,431; May 28. Class 44.

Colin, Joe, New York, N. Y. Ladies' hats. Serial No. 358,806; May 28. Class 39.

Crown Fabrics Corporation, New York, N. Y. Cotton, silk, and rayon fabrics in the piece. Serial No. 363,161; May 28. Class 42.

Dean, Vena, Columbus, Ohio. Card game. Serial No. 363,481; May 28. Class 22.

Debway Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 362,805; May 28. Class 39.

Dilling & Company, Indianapolis, Ind. Candy. Serial No. 362,914; May 28. Class 46.

Draper Hat Corporation, New York, N. Y. Ladies' hats. Serial No. 362,675; May 28. Class 39.

Ellias, Albert T., Detroit, Mich. Blank post cards. Serial No. 362,814; May 28. Class 37.

Enwright, Eleanore V., doing business as L. M. Brock & Company, Lynn, Mass. Tooth powders. Serial No. 363,627; May 28. Class 6.

Epstein, Hyman J., doing business as Mystic Novelty Mills, Malden, Mass. Cotton cords or twine. Serial No. 360,953; May 28. Class 7.

Feldstein, Isidore, doing business as Morris Feldstein & Son, New York, N. Y. Cut sole leather. Serial No. 363,498; May 28. Class 1.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Heels. Serial No. 363,389; May 28. Class 39.

Fixler Bros., Inc., Chicago, Ill. Stamped pieces for embroidery. Serial No. 360,585; May 28. Class 40.

Foodland, Inc., Cleveland, Ohio. Wheat flour, coffee, spices, etc. Serial No. 363,094; May 28. Class 46.

Franco Corset Company, New York, N. Y. Corsets, corselets, and girdles. Serial No. 359,581; May 28. Class 39.

Freydberg Bros., Inc., New York, N. Y. Seam-bindings. Serial No. 362,779; May 28. Class 40.

Frontenac Breweries, Limited, Montreal, Quebec, Canada. Ale and beer. Serial No. 358,434; May 28. Class 48.

Fusco, Sam. E., doing business as S. E. Fusco Fruit Co., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. Serial No. 363,751; May 28. Class 46.

Gans, Henry, Inc., New York, N. Y. Dresses. Serial No. 361,167; May 28. Class 39.

Gem-Dandy Garter Co., Madison, N. C. Garters, suspenders, brassières, etc. Serial No. 361,839; May 28. Class 39.

General Food Products Co., Los Angeles, Calif. Table-syrup, jellies, and peanut butter. Serial No. 363,754; May 28. Class 46.

Glemby Company, Inc., The, New York, N. Y. Salts used in bathing. Serial No. 363,657; May 28. Class 6.

Glida Company of America, New York, N. Y. Slide fasteners. Serial No. 362,820; May 28. Class 13.

Gold Recovery & Refining Corp., New York, N. Y. Jewelry for personal wear, goods of precious metals and plated with precious metals. Serial No. 357,730; May 28. Class 28.

Gossard, H. W., Co., The, Chicago, Ill. Brassières. Serial No. 362,781; May 28. Class 39.

Granat, Seymour, New York, N. Y. Human wigs and wigs for dolls and manequins. Serial No. 362,782; May 28. Class 40.

Grandn & Rawlins. (See Rawlins, Cleophas J.)

Growers Produce Dispatch, Salinas, Calif. Fresh vegetables. Serial Nos. 362,616–7; May 28. Class 46.

Gulf Refining Company, Pittsburgh, Pa. Gasoline and lubricating oils. Serial No. 362,569; May 28. Class 15.

Hanan & Son, Inc., New York, N. Y. Boots, shoes, and slippers. Serial No. 363,392; May 28. Class 39.

Hassler, W. S., Chicago, Ill. Non-alcoholic maltless flavored powder. Serial No. 360,886; May 28. Class 45.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits, canned fruit juices. Serial No. 362,310; May 28. Class 46.

Honeymead Products Company, Cedar Rapids, Iowa. Corn sugar molasses. Serial No. 360,360; May 28. Class 46.

Hoskins Manufacturing Company, Detroit, Mich. Electric-resistor materials such as wire for use in electric heating devices. Serial No. 362,620; May 28. Class 21.

Howse, Mead & Sons, Inc., New York, N. Y. Worsted piece goods. Serial No. 362,621; May 28. Class 42.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 362,998; May 28. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 362,825; May 28. Class 39.

James, Charles C., New York, N. Y. Maltless beverage, syrup, and extract for making the same. Serial No. 362,517; May 28. Class 45.

Jauregnizar y Goyena, Isidoro, Habana, Cuba. Rum. Serial No. 1,276 (Inter-American Series); May 28. Class 49.

Jauregnizar y Goyena, Isidoro, Habana, Cuba. Liquors and creams. Serial No. 1,277 (Inter-American Series); May 28. Class 49.

Johnson Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 363,102; May 28. Class 39.

Joss Equipment and Service Corporation, New York, N. Y. Beer pipe cleaning compound. Serial No. 362,826; May 28. Class 6.

Kay Tee Products Company. (See Klein, Charles.)

Kenny, C. D., Company, Baltimore, Md. Coffee. Serial No. 363,221; May 28. Class 46.

Kienzler Company, Inc., New York, N. Y. Olive oil. Serial No. 354,208; May 28. Class 46.

Kinnear Manufacturing Company, The, Columbus, Ohio. Doors. Serial Nos. 362,690–1; May 28. Class 12.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Klein, Charles, doing business as Kay Tee Products Company, Brooklyn, N. Y. Preparation for cleaning tile, porcelain, enamel, etc. Serial No. 363,710; May 28. Class 4.

Kneale, Inc., New York, N. Y. Hats. Serial No. 363,461; May 28. Class 39.

Knott, Wm. T., Company, Inc., New York, N. Y. Carpet sweepers. Serial No. 363,867; May 28. Class 23.

Kretschmar, A. W., Inc., New York, N. Y. Medicinal preparation. Serial No. 362,477; May 28. Class 6.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Wheat flour. Serial No. 363,173; May 28. Class 46.

Lazier, J. F., Manufacturing Co., Inc., St. Louis, Mo. Nonalcoholic maltless extracts and concentrated fruit syrups. Serial No. 363,977; May 28. Class 45.

Leiber, Charles S., doing business as London Pecan Company, Hot Springs, Ark. Candy. Serial No. 362,519; May 28. Class 46.

Leonora Silk Underwear Co. Inc., New York, N. Y. Silk gowns, slips, panties, etc. Serial No. 362,623; May 28. Class 39.

Lissner, H., Company, Inc., New York, N. Y. Golf knickers, sport, riding, riding, and golf trousers, and trousers. Serial No. 362,966; May 28. Class 39.

Loewenstein Bros. Inc., New York, N. Y. Ladies' neckwear and cuffs. Serial No. 360,776; May 28. Class 39.

Loewenstein Bros. Inc., New York, N. Y. Ladies' neckwear and cuffs. Serial No. 360,780; May 28. Class 39.

London Pecan Company. (See Leiber, Charles S.)

Louisville Cement Company, Louisville, Ky. Cement and lime. Serial No. 363,108; May 28. Class 12.

Marks, Walter K., Inc., New York, N. Y. Ladies' hats. Serial No. 361,978; May 28. Class 39.

Marshall Field & Company, Chicago, Ill. Piece goods in cotton, wool, silk, etc. Serial No. 363,041; May 28. Class 42.

Marvel Oil Co., Inc., Philadelphia, Pa. Lubricating oil. Serial No. 356,075; May 28. Class 15.

Marvio Mills, Inc., New York, N. Y. Cotton, linen, artificial, and natural silk goods. Serial No. 361,471; May 28. Class 42.

McManus, Charles E., doing business as Spring Hills Farm, Cockeysville, Md. Eggs. Serial No. 363,712; May 28. Class 46.

Mercirex Company, The, Milford, Del. Preparation for the relief of hemorrhoids. Serial Nos. 362,747–8; May 28. Class 6.

Messing Bakeries Incorporated, Brooklyn, N. Y. Bread. Serial No. 363,225; May 28. Class 46.

Miller, George W., Long Beach, Calif. Capsule preparation. Serial No. 362,035; May 28. Class 6.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. Serial No. 363,937; May 28. Class 46.

Morgan, John C., Co., Inc., Traverse City, Mich. Cider. Serial No. 363,562; May 28. Class 45.

Munro, Walter J., New York, N. Y. Stroller bag, and sleeping garment for children. Serial Nos. 350,592–4; May 28. Class 39.

Munro, Walter J., New York, N. Y. Stroller bag, and sleeping garment for children. Serial No. 350,596; May 28. Class 39.

Mystic Novelty Mills. (See Epstein, Hyman J.)

Nelson, B. F., Manufacturing Company, The, Minneapolis, Minn. Composition sheet roofing for buildings. Serial No. 359,754; May 28. Class 12.

Neo Ped, Inc., Jersey City, N. J. Shoes and slippers. Serial No. 363,056; May 28. Class 39.

Neon Shoe Dye Mfg. Co., Warren, Ohio. White shoe polish and dressings and other shoe polish and dressings. Serial No. 362,433; May 28. Class 4.

Nestle-Lemur Company, The, New York, N. Y. Hair waving pads. Serial No. 361,534; May 28. Class 44.

Nestle-Lemur Company, The, New York, N. Y. Shampoo tint. Serial No. 363,635; May 28. Class 6.

Neumann, R., & Company, Hoboken, N. J. Leather. Serial No. 363,717; May 28. Class 1.

Niles & Moser Cigar Company, Kansas City, Mo. Cigars. Serial No. 363,762; May 28. Class 17.

Ordin, Philip H., doing business as Wavart Manufacturing Co., Los Angeles, Calif. Hair drying, hair curling, and hair waving machines and apparatus. Serial No. 361,554; May 28. Class 44.

Ordway, A. P., & Co., New York, N. Y. Sulphur bitters. Serial No. 362,482; May 28. Class 6.

Pacific Fruit & Produce Company, Seattle, Wash. Fresh deciduous fruits. Serial No. 360,901; May 28. Class 46.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. Serial No. 363,601; May 28. Class 22.

Pittsburgh and Midway Coal Mining Company, The, Kansas City, Mo. Coal. Serial No. 362,125; May 28. Class 1.

Precision Pharmaceutical Co. (See Talber, Edwin E.)

Progressive Coat Co., Inc., New York, N. Y. Men's top coats, overcoats, sport coats, etc. Serial No. 361,188; May 28. Class 39.

Rallet Corporation of America, New York, N. Y. Face powder, dusting powder, face creams, etc. Serial No. 363,138; May 28. Class 6.

Rawlins, Cleophas J., doing business as Granda & Rawlins and as Ceynola Tea Company, Philadelphia, Pa. Tea and coffee. Serial No. 363,469; May 28. Class 46.

Renu Parts Corporation, Holland, Mich. Piston rings. Serial No. 363,719; May 28. Class 35.

Ross, Robert, & Company, Limited, Southampton, England. Games. Serial No. 361,820; May 28. Class 22.

Safety Mining Company, Chicago, Ill. Non-destructible cartridges used for blasting purposes and parts thereof. Serial No. 362,926; May 28. Class 9.

Safety Mining Company, Chicago, Ill. Non-destructible cartridges used for blasting purposes and parts thereof. Serial No. 362,929; May 28. Class 9.

Sageser, Eugene M., doing business as Standard Pharmacal Co., Lexington, Ky. Nerve tonic. Serial No. 362,712; May 28. Class 6.

Sale and Company, Limited, Tokyo, Japan. Canned and preserved beef and pork and fowl; canned fish, etc. Serial No. 361,851; May 28. Class 46.

Sampliner, Henry S., Atlantic City, N. J. Cigarette holders. Serial No. 356,968; May 28. Class 8.

Sanford Manufacturing Co., Chicago, Ill. Semi-liquid adhesive. Serial No. 357,104; May 28. Class 5.

Sanitized, Inc., New York, N. Y. Antiseptic chemical compound. Serial No. 355,984; May 28. Class 6.

Sea Island Mills, Inc., New York, N. Y. Cotton broadcloth. Serial No. 361,821; May 28. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Silver plated tableware. Serial No. 363,641; May 28. Class 28.

Selberling Latex Products Company, Akron and Barberton, Ohio. Hot water bottles, fountain syringes, etc. Serial No. 360,111; May 28. Class 44.

Selberling Latex Products Company, Akron and Barberton, Ohio. Hot water bottles, fountain syringes, etc. Serial No. 360,683; May 28. Class 44.

Shafer, Loyd L., Council Bluffs, Iowa. Sweeping compound. Serial No. 363,121; May 28. Class 4.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. Serial No. 362,636; May 28. Class 39.

Sierchio, Jerry, Nutley, N. J. Shoe whitening. Serial No. 362,490; May 28. Class 4.

Silent Salesman Company, Incorporated, Indianapolis, Ind. Games. Serial No. 363,902; May 28. Class 22.

Simplex Wire & Cable Company, Cambridge, Mass. Insulated electrical conducting wire. Serial No. 363,642; May 28. Class 21.

Smith, Joseph C., doing business as Smith Laboratories, Kansas City, Kans. Hygienic vaginal jelly. Serial No. 360,086; May 28. Class 6.

Smith, J. P., Shoe Company, Chicago, Ill. Men's and women's leather shoes. Serial No. 363,440; May 28. Class 39.

Societe Anonyme des Etablissements Vermorel, Villefranche, France. Machines and apparatus used in the cultivation and treatment of vineyards, etc. Serial No. 359,324; May 28. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax composition for polishing automobiles, etc. Serial No. 363,188; May 28. Class 16.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. Serial No. 363,725; May 28. Class 15.

Spring Hills Farm. (See McManus, Charles E.)

Standard Pharmacal Co. (See Sageser, Eugene M.)

Steinberger Bros. Glove Corp., New York, N. Y. Gloves. Serial No. 362,196; May 28. Class 39.

Steinberger Bros. Glove Corp., New York, N. Y. Gloves. Serial No. 362,445; May 28. Class 39.

Strohmeyer & Arpe Company, New York, N. Y. Olive oil. Serial No. 362,979; May 28. Class 46.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 360,735; May 28. Class 42.

Sweet, E. A., Company, Inc., Binghamton, N. Y. Amusement and educational kits, consisting of pieces of leather or other material, a cutting block, etc. Serial No. 363,190; May 28. Class 50.

Talber, Edwin E., doing business as Precision Pharmaceutical Co., New York, N. Y. Preparation for coughs, sore throat, hoarseness, etc. Serial No. 360,836; May 28. Class 6.

Tattoo, Inc., Chicago, Ill. Soaps. Serial No. 363,443; May 28. Class 4.

Toledo Porcelain Enamel Products Company, The, Toledo, Ohio. Metal store shelving, metal show cases, and bins, etc. Serial No. 362,056; May 28. Class 32.

Tonk Bros. Co., Chicago, Ill. Concertinas and accordions, their casings, fittings, and parts. Serial No. 363,772; May 28. Class 36.

Trautman, August, Brooklyn, N. Y. Insecticides, disinfectants, deodorants, etc. Serial No. 362,199; May 28. Class 6.

Tuthill Pump Company, Chicago, Ill. Oil pumps. Serial No. 362,387; May 28. Class 23.

U. S. Hame Company, Buffalo, N. Y. Hames. Serial No. 363,678; May 28. Class 3.

Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. Serial No. 356,554; May 28. Class 15.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Van Ella, A. R., doing business as A. R. Van Ella, Not Inc., Chicago, Ill. Oil shampoo, tonic for oily hair, powder base, etc. Serial No. 362,980; May 28. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Preparation for use in the treatment of gastro-intestinal disorders. Serial No. 363,021; May 28. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Preparation for use in the treatment of "secondary" or "hypochromic" anemia. Serial No. 363,022; May 28. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Preparation for use in the treatment of angina pectoris and other cardiovascular ailments. Serial No. 363,023; May 28. Class 6.

Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts, etc. Serial No. 361,643; May 28. Class 39.

Washington Manufacturing Company, Nashville, Tenn. Dress shirts. Serial No. 363,131; May 28. Class 39.

Wavart Manufacturing Co. (See Ordin, Philip H.)

Weideman Co., The, Cleveland, Ohio. Coffee. Serial No. 360,508; May 28. Class 46.

Weinstein, Sarah, New York, N. Y. Platinum finger rings, earrings, etc. Serial No. 362,499; May 28. Class 28.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. Serial No. 363,475; May 28. Class 47.

Winchester Repeating Arms Company, New Haven, Conn. Revolver cartridges. Serial No. 362,131; May 28. Class 9.

Woods, Bessie L., Chicago, Ill. Rubber bath sponges. Serial No. 362,648; May 28. Class 50.

Younghusband, James L., Chicago, Ill. Lipsticks, rouge, and face powder. Serial No. 353,101; May 28. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Adlanco X-Ray Corporation, New York, N. Y. Physiotheraphy and short wave diathermic machines. 324,641; May 28; Serial No 359,937; published Mar. 19, 1935. Class 44.

Amtorg Trading Corporation, New York, N. Y. Safety matches. 324,759; May 28; Serial No. 354,399; published Sept. 11, 1934. Class 9.

Auburn Rubber Corporation, Auburn, Ind. Rubber heels. 324,692; May 28; Serial No. 360,305; published Mar. 19, 1935. Class 39.

B. V. D. Company, Inc., The, Baltimore, Md. Pajamas and night robes. 324,686; May 28; Serial No. 360,750; published Mar. 19, 1935. Class 39.

Bair, John M. (See Tuvin, J. H.)

Baker Furniture Factories, Inc., Grand Rapids, Mich. Furniture. 324,734; May 28; Serial No. 346,760; published Mar. 19, 1935. Class 32.

Barnes, Albert O., Anderson, Ind. Files. 324,697; May 28; Serial No. 360,265; published Mar. 19, 1935. Class 23.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. 324,776–8; May 28. Class 26.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Contractors' shovels, hammers, hatchets, etc. 324,707; May 28; Serial No. 360,204; published Mar. 19, 1935. Class 23.

Belmont Radio Corporation, Chicago, Ill. Radio receiving sets. 324,757; May 28; Serial No. 355,009; published Mar. 19, 1935. Class 21.

Bird & Son, Inc., East Walpole, Mass. Floor covering. 324,779; May 28. Class 20.

Blair Corset Co. Inc., Chicago, Ill. Foundation garments for stout women. 324,766; May 28; Serial No. 358,716; published Mar. 19, 1935. Class 39.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 324,719; May 28; Serial No. 361,046; published Mar. 12, 1935. Class 42.

Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston castings. 324,728; May 28; Serial No. 357,589; published Mar. 19, 1935. Class 14.

Bonney Vise & Tool Works Inc., Philadelphia, Pa.; New York, N. Y.; and Allentown, Pa., by change of name to Bonney Forge and Tool Works, Allentown, Pa. Vises and lathe dogs. 104,199; renewed May 11, 1935.

Booth, J. Harold, Chicago, Ill. Mushroom spawn. 324,750; May 28; Serial No. 358,087; published Mar. 19, 1935. Class 1.

Borgfeldt, Geo., Corporation, New York, N. Y. Toy figures and toy dishes. 324,647; May 28; Serial No. 359,775; published Mar. 19, 1935. Class 22.

Boswell, J. Stewart, doing business as the Julep Company, Chicago, Ill. Powder for making a soft drink. 324,770; May 28. Class 45.

Bruckner Chemicals, Dallas, Tex. Preparation for the treatment of sick stomach, halitosis, etc. 324,655; May 28; Serial No. 359,122; published Mar. 12, 1935. Class 6.

Buday, Thomas. (See Speed-Kleen Manufacturing Company, assignor.)

Buhl, Peer & Keefe, New York, N. Y. Watch crystals. 324,773; May 28. Class 33.

Burt, E. W., & Company, Incorporated, Boston, Mass., assignor, by mesne assignments, to Orthopedic Shoes, Inc., New York, N. Y. Leather heels, rubber heels, etc. 105,783; renewed Aug. 17, 1935.

Busch, Emil, Aktiengesellschaft Optische Industrie, Rathenow, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Eyeglasses. 105,313; renewed July 20, 1935.

Caley, Wendell J., Philadelphia, Pa. Non-electrical hair curlers. 324,771; May 28. Class 40.

California Medicinal Wine Co. (See Padre Vineyard Co.)

California Pea Products, Inc., Fullerton, Calif. Canned vegetables. 324,715; May 28; Serial No. 361,254; published Mar. 19, 1935. Class 46.

California Tea Company, Fresno, Calif. Medicinal tea. 324,660; May 28; Serial No. 359,942; published Mar. 19, 1935. Class 6.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. 324,663; May 28; Serial No. 360,396; published Mar. 19, 1935. Class 42.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Completely denatured ethanol. 324,710; May 28; Serial No. 360,129; published Mar. 19, 1935. Class 6.

Certified Shoe Corporation. (See Stonefield-Evans Shoe Co., assignor.)

Charis Corporation, Allentown, Pa. Corsets, combination corset brassières, girdles, etc. 324,738; May 28; Serial No. 360,699; published Mar. 12, 1935. Class 39.

Chemical Foundation, Incorporated, The. (See Busch, Emil, Aktiengesellschaft Optische Industrie, assignor.)

Chemical Foundation, Incorporated, The. (See Chemische Fabrik Düsseldorf Aktiengesellschaft, assignor.)

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)

Chemical Foundation, Incorporated, The. (See Gebruder Siemens & Company, assignor.)

Chemische Fabrik Düsseldorf Aktiengesellschaft, Leipzig, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Cleaning and polishing preparations. 104,930; renewed June 29, 1935.

Cherniak, Meyer, New York, N. Y. Lighting globe fixtures. 324,732; May 28; Serial No. 349,069; published Aug. 28, 1934. Class 33.

Chipman's, Chas., Sons Co. Inc., New York, N. Y. Hosiery. 324,658; May 28; Serial No. 358,966; published Mar. 19, 1935. Class 39.

Clair & Co. (See Republic Food Products Co.)

Clayton, Ortencia S., Alexandria, Va. Lotion for athlete's foot disease. 324,733; May 28; Serial No. 361,040; published Mar. 12, 1935. Class 6.

Cleveland Cleaner and Paste Company, The, Cleveland, Ohio. Wall paper cleaner. 324,662; May 28; Serial No. 360,432; published Mar. 12, 1935. Class 4.

Cole Baking Company, Bluefield, W. Va., assignor to Quality Bakers of America, Inc., New York, N. Y. Bread, rolls, cake, etc. 324,696; May 28; Serial No. 360,266; published Mar. 19, 1935. Class 46.

Collegiate World Publishing Company, The, Chicago, Ill. Magazine. 324,668; May 28; Serial No. 200,809; published Sept. 23, 1924. Class 38.

Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Husler Flour Mills, Salt Lake City, Utah. Wheat flour. 324,749; May 28; Serial No. 358,199; published Mar. 19, 1935. Class 46.

Coloroglo Products, Whittier, Calif. Lustre cream and polish for automobiles, etc. 324,756; May 28; Serial No. 355,140; published Mar. 19, 1935. Class 16.

Conmar Products Corporation, New York, N. Y. Slide fasteners. 324,689; May 28; Serial No. 360,665; published Mar. 19, 1935. Class 13.

Conrad, Paul, Millville, Fla. Newspaper column. 324,672; May 28; Serial No. 360,926; published Mar. 19, 1935. Class 38.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. 324,653; May 28; Serial No. 359,510; published Mar. 19, 1935. Class 39.

Corno Mills Company, The, East St. Louis, Ill. Rolled oats. 106,072; renewed Oct. 5, 1935.

Crane Packing Company, Chicago, Ill. Stilt, stilt steps, and supports. 324,714; May 28; Serial No. 361,258; published Mar. 19, 1935. Class 22.

Cucamonga Wine Company, Cucamonga, Calif. Wines. 324,760; May 28; Serial No. 354,367; published Mar. 19, 1935. Class 47.

D'Amico & Chudner, Inc., New York, N. Y. Platinum and gold jewelry. 324,650; May 28; Serial No. 359,574; published Mar. 19, 1935. Class 28.

David, Leopold, & Co., A. G., Hamburg, Germany. Wines. 324,703; May 28; Serial No. 345,379; published Mar. 19, 1935. Class 47.

Day, Horace L., Greenwich, Conn. Preparation for sinusitis, colds, catarrh, etc. 324,642; May 28; Serial No. 359,908; published Mar. 12, 1935. Class 6.

Delacour Brothers, Limited, West Kilburn, London, England. Tobacco-pipes and cigar and cigarette holders. 105,343; renewed July 20, 1935.

Dell Publishing Company, Inc., New York, N. Y. Publication. 324,737; May 28; Serial No. 360,998; published Mar. 19, 1935. Class 38.

Dell Publishing Company, Inc., New York, N. Y. Publication. 324,739-40; May 28; Serial Nos. 360,996-7; published Mar. 19, 1935. Class 38.

Dell Publishing Company, Inc., New York, N. Y. Publication. 324,741; May 28; Serial No. 360,994; published Mar. 19, 1935. Class 38.

Delta Manufacturing Company, Milwaukee, Wis. Periodical publications. 324,722; May 28; Serial No. 360,581; published Mar. 19, 1935. Class 38.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Nitrate of ammonia blasting agent. 324,713; May 28; Serial No. 361,308; published Mar. 19, 1935. Class 9.

Embalming Burial Case Company, Burlington, Iowa. Vaults. 324,775; May 28. Class 2.

Ensemble Manufacturing Company, Washington, D. C. Toilet soap. 324,699; May 28; Serial No. 346,633; published Mar. 19, 1935. Class 4.

Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Remedy for gouty and rheumatic diseases and neuralgic affections. 105,811; renewed Aug. 17, 1935.

Fargo, Frank M., Chicago, Ill., to Frank M. Fargo, Evanston, Ill. Children's shoes. 105,791; renewed Aug. 17, 1935.

Forest City Brewery, Inc., Cleveland, Ohio. Beer. 324,780; May 28. Class 48.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 324,660; May 28; Serial No. 360,438; published Mar. 12, 1935. Class 42.

Frampton Company, The. (See Verran, H. E. Company, Incorporated, assignor.)

Frazar, Nelson A., doing business as Potango Ltd., Los Angeles, Calif. Yerba-mate tea used as a food beverage. 324,654; May 28; Serial No. 359,420; published Mar. 19, 1935. Class 46.

Frierson, Ethel P., Columbia, S. C. Hair grower preparation. 324,736; May 28; Serial No. 361,007; published Mar. 19, 1935. Class 6.

Gebruder Siemens & Company, Berlin-Lichtenberg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Alcohol-measuring apparatus and condenser water-meters. 104,674; renewed June 8, 1935.

Goldenbergs, to The Goldenberg Company, Washington, D. C., successor. Hats and caps. 105,814; renewed Aug. 17, 1935.

Goldfarb, Samuel J., Brooklyn, N. Y. Dresses, skirts, and coats. 324,764; May 28; Serial No. 351,464; published Mar. 19, 1935. Class 39.

Granat, Joseph, San Francisco, Calif. Finger rings. 324,685; May 28; Serial No. 360,772; published Mar. 19, 1935. Class 28.

Grisard Laboratories, Incorporated, The, Winchester, Tenn. Preparation for use in the treatment of cardiac conditions. 324,695; May 28; Serial No. 360,272; published Mar. 12, 1935. Class 6.

Gulf Refining Company, Pittsburgh, Pa. Combination souvenir card and highway map. 324,649; May 28; Serial No. 359,657; published Mar. 19, 1935. Class 38.

Hammermill Paper Company, Erie, Pa. Paper. 324,676; May 28; Serial No. 360,888; published Mar. 19, 1935. Class 37.

Haynes, Justin, & Co., Inc., New York, N. Y. Preparation for the treatment of coughs, etc. 324,671; May 28; Serial No. 360,313; published Mar. 12, 1935. Class 6.

Heirloom Products Company, Pittsburgh, Pa. Depilatory. 324,708; May 28; Serial No. 360,173; published Mar. 19, 1935. Class 6.

Helwith, Alfred L., & Co., Inc., New York, N. Y. Cotton and rayon textile fabrics. 324,651; May 28; Serial No. 359,548; published Mar. 12, 1935. Class 42.

Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf-Holthausen, Germany. Washing preparation. 324,731; May 28; Serial No. 348,439; published Mar. 19, 1935. Class 4.

Hershey Chocolate Corporation, Hershey, Pa. Confectionery. 324,727; May 28; Serial No. 349,930; published Mar. 19, 1935. Class 46.

Holsum Bakery, The. (See Long, W. E., Co., The.)

Husler Flour Mills, The. (See Colorado Milling & Elevator Co., The.)

Inland Manufacturing Company, The, Dayton, Ohio. Protective coating material. 324,765; May 28; Serial No. 351,320; published Mar. 19, 1935. Class 16.

Interstate Distillers, Inc., Baltimore, Md. Whiskey. 324,726; May 28; Serial No. 350,763; published July 17, 1934. Class 49.

Interstate Laboratories. (See Lattner, Muriel L.)

Isaly Dairy Company, The, Youngstown, Ohio. Ice-cream. 324,695; May 28; Serial No. 360,388; published Mar. 19, 1935. Class 46.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfumery, face-powder, and talcum powder. 105,852; renewed Aug. 24, 1935.

Jordeau, Jean, Inc. (See Zip Sales Corporation of New York.)

Julep Company, The. (See Boswell, J. Stewart.)

Juvenile Shoe Corporation of America, The. (See Kaut-Reith Shoe Company, The, assignor.)

Karpas-Leiterman Corporation, New York, N. Y. Ladies' and misses' coats, suits, and dresses. 324,691; May 28; Serial No. 359,993; published Mar. 19, 1935. Class 39.

Kaut-Reith Shoe Company, The, Carthage, Mo., assignor to The Juvenile Shoe Corporation of America, Aurora and St. Louis, Mo. Boots and shoes. 105,732; renewed Aug. 17, 1935.

Keasbey & Mattison Company, Ambler, Pa. Asbestos cement boards, composition boards, etc. 324,720; May 28; Serial No. 360,592; published Mar. 19, 1935. Class 12.

Kelp-A-Malt Laboratories. (See Tuvin, J. H.)

Kelvinator Corporation. (See Northern Refrigerator Company, assignor.)

Knapp-Monarch Company, Belleville, Ill. Electric toasters, waffle irons, fans, etc. 324,768; May 28. Class 21.

Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Rubber erasers. 324,688; May 28. Serial No. 360,718; published Mar. 19, 1935. Class 37.

Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory brick. 324,687; May 28; Serial No. 360,719; published Mar. 19, 1935. Class 12.

Lambert, Marion, Inc., St. Louis, Mo. Finger nail polish. 324,670; May 28; Serial No. 360,363; published Mar. 12, 1935. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Casein paints and calimines. 324,725; May 28; Serial No. 360,542; published Mar. 19, 1935. Class 16.

Laucks, I. F., Inc., Seattle, Wash. Outside cold water paints. 324,743; May 28; Serial No. 360,968, published Mar. 19, 1935. Class 16.

Lattner, Muriel L., doing business as Interstate Laboratories, Detroit, Mich. Cleaning compound. 324,761; May 28; Serial No. 354,124; published Mar. 19, 1935. Class 4.

Leathercraft Corporation, The, New York, N. Y. Artificial leather. 324,762; May 28; Serial No. 352,745; published Mar. 19, 1935. Class 50.

Lederle Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. 324,742; May 28; Serial No. 360,969; published Mar. 19, 1935. Class 6.

Lily Mills Company, Shelby, N. C. Crochet cotton. 324,646; May 28; Serial No. 359,854; published Mar. 5, 1935. Class 43.

Long, W. E., Co., The, doing business as The Holsum Bakery, Chicago, Ill. Bread. 324,684; May 28; Serial No. 360,781; published Mar. 19, 1935. Class 46.

Mallard, Albert E., Detroit, Mich. Halibut-liver oil. 324,730; May 28; Serial No. 348,886; published May 1, 1934. Class 6.

Manhattan Shirt Co., The, New York, N. Y. Towels. 324,729; May 28; Serial No. 357,016; published Mar. 19, 1935. Class 42.

Manitowoc Manufacturing Co. (See Morgan, J. T.)

Marshall Field & Company, Chicago, Ill. Roller skates. 324,717; May 28; Serial No. 361,165; published Mar. 19, 1935. Class 22.

McVitie & Price, Limited, Edinburgh, Scotland, London and Manchester, England. English wheaten biscuits and chocolate. 324,754; May 28; Serial No. 355,486; published Mar. 19, 1935. Class 46.

Morgan, J. T., doing business as Manitowoc Manufacturing Co., Manitowoc, Wis. Aluminum combined grills, griddles and cookers. 324,753; May 28; Serial No. 356,010; published Mar. 19, 1935. Class 13.

Neilson, Howard R., doing business as Neilson Chemical Company, Detroit, Mich. Chemical preparation for cleaning metals. 324,746; May 28; Serial No. 358,562; published Mar. 12, 1935. Class 6.

Northern Refrigerator Company, Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerators. 103,910; renewed Apr. 20, 1935.

Official Detective Stories, Inc., Chicago, Ill. Magazine. 324,748; May 28; Serial No. 358,294; published Mar. 19, 1935. Class 38.

Orthopedic Shoes, Inc. (See Burt, E. W., & Company, Incorporated, assignor.)

Pacific Knitting Mills, Los Angeles, Calif. Swim suits, swimming trunks, and sweaters. 324,735; May 28; Serial No. 361,024; published Mar. 19, 1935. Class 39.

Padre Vineyard Co., doing business as Val Bros. and California Medicinal Wine Co., Los Angeles, Calif. Wines. 324,682-3; May 28; Serial Nos. 360,784-5; published Mar. 19, 1935. Class 47.

Parrish, Jesse J., Titusville, Fla. Oranges, grape-fruit, and tangerines. 104,475; renewed June 1, 1935.

Penola Inc., Pittsburgh, Pa. Lubricating oils and greases. 324,745; May 28; Serial No. 360,939; published Mar 19, 1935. Class 15.

Pharmaco Products Co., Sacramento, Calif. Preparation to aid digestion. 324,645; May 28; Serial No. 359,858; published Mar. 19, 1935. Class 6.

Pictorial Review Pattern Company, Inc., New York, N. Y. Publication. 324,657; May 28; Serial No. 358,999; published Mar. 19, 1935. Class 38.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Flat glass. 324,678; May 28; Serial No. 360,857; published Mar. 19, 1935. Class 33.

Porter, T. G., (Printers) Limited, Leeds, England. Card game. 324,718; May 28; Serial No. 361,148; published Mar. 19, 1935. Class 22.

Potango Ltd. (See Frazar, Nelson A.)

Potomac Paint Co. (See Winslow, W. R., Co.)

Quality Bakers of America, Inc. (See Cole Baking Company.)

Ray Burner Company, San Francisco, Calif. Metal conduits, liquid control valves and pipe and pipe fittings. 324,644; May 28; Serial No. 359,860; published Mar. 19, 1935. Class 13.

Republic Food Products Co., doing business as Clair & Co., Chicago, Ill. Canned food for dogs, cats, etc. 324,767; May 28; Serial No. 358,571; published Mar. 19, 1935. Class 46.

Ridgways, Inc., New York, N. Y. Tea. 324,669; May 28; Serial No. 360,374; published Mar. 19, 1935. Class 46.

Rosenlicht, Joseph P., Brooklyn, N. Y. Glass and metal polish. 324,712; May 28; Serial No. 360,078; published Mar. 19, 1935. Class 4.

S-P Laboratories. (See Superior Products Company.)

Salient Flavoring Corp., New York, N. Y. Maltless beverages and sirups, extracts and concentrates for making the same. 324,716; May 28; Serial No. 361,219; published Mar. 19, 1935. Class 45.

Schenley Import Corporation, New York, N. Y. Wines. 324,667; May 28; Serial No. 360,379; published Mar. 19, 1935. Class 47.

Schenley Products Company, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc. Whiskey and other potable distilled spirits. 324,704; May 28; Serial No. 344,989; published Feb. 6, 1934. Class 49.

Schering Corporation, Bloomfield, N. J. Medicinal preparations. 324,677; May 28; Serial No. 360,858; published Mar. 19, 1935. Class 6.

Scheuer, Samuel, New York, N. Y. Hats and caps. 324,701; May 28; Serial No. 346,325; published Apr. 24, 1934. Class 39.

Schlossman, Samuel, & Sons, Inc., New York, N. Y. Suits, overcoats, hosiery, dresses, etc. 324,711; May 28; Serial No. 360,110; published Mar. 19, 1935. Class 39.

Schoenhofen, Peter, Brewing Company, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Malt tonic. 103,794; renewed Apr. 13, 1935.

Seagram, Joseph E., & Sons, Inc. (See Schenley Products Company, assignor.)

Security Oil Company, The, Wichita, Kans. Gasoline, kerosene, and distillates. 324,675; May 28; Serial No. 360,909; published Mar. 19, 1935. Class 15.

Sherwin-Williams Co., The, Cleveland, Ohio. Insulating varnish. 104,808; renewed June 15, 1935.

Shewan-Jones, Inc., San Francisco, Calif. Wines. 324,674; May 28; Serial No. 360,911; published Mar. 19, 1935. Class 47.

Simplex Products Co. Inc., Newark, N. J. Cosmetics. 324,705; May 28; Serial No. 349,755; published Mar. 19, 1935. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Anti-freezing liquid. 324,694; May 28; Serial No. 360,294; published Mar. 12, 1935. Class 6.

Soussa, Edmond, Paris, France. Preparations for the treatment of hair. 324,755; May 28; Serial No. 355,329; published Mar. 19, 1935. Class 6.

Southwestern Petroleum Company, Inc., Fort Worth, Texas. Lubricating oils and greases. 324,680-1; May 28; Serial Nos. 360,803-4; published Mar. 19, 1935. Class 15.

Speed-Kleen Manufacturing Company, Seaford, Long Island, N. Y., assignor to Thomas Buday, doing business as Speed-Kleen Manufacturing Co., New York, N. Y. Paste soap. 324,747; May 28; Serial No. 358,339; published Mar. 19, 1935. Class 4.

Standard Brewing Company, Inc., Rochester, N. Y. Ale. 324,763; May 28; Serial No. 352,555; Published Jan. 8, 1935. Class 48.

Standard Distillers Products, Inc., Baltimore, Md. Wines. 324,725; May 28; Serial No. 360,500; Published Mar 19, 1935. Class 47.

Standard Oil Company of New Jersey, Wilmington, Del. Fenerating oil, separator oil, machine oil, etc. 324,744; May 28; Serial No. 360,942; published Mar. 19, 1935. Class 15.

Standard Romper Co., Inc., New York, N. Y. Knitted and woven piece goods. 324,656; May 28; Serial No. 359,057; published Mar. 12, 1935. Class 42.

Stonefield-Evans Shoe Co., assignor to Certified Shoe Corporation, Rockford, Ill. Shoe. 103,830; renewed Apr. 13, 1935.

Sunbeam Specialty Company, The, doing business as Sunbeam Laboratories, Cleveland, Ohio. Cleaner for garments, rugs, etc. 324,673; May 28; Serial No. 360,918; Published Mar. 12, 1935. Class 4.

Sunrise Brewing Company, The, Cleveland, Ohio. Beer and ale. 324,751; May 28; Serial No. 356,784; published Mar. 19, 1935. Class 48.

Superior Products Company, doing business as S-P Laboratories, Dallas, Tex. Skin lotion. 324,679; May 28; Serial No. 360,808; published Mar. 12, 1935. Class 6.

Surpass Chemical Co., Inc., Menands and Albany, N. Y., to Surpass Chemical Co., Inc., Albany, N. Y. Bleaching salts and sodas, cleaning and dyeing preparations. 105,765; renewed Aug. 17, 1935.

Textilife Corporation, The, Baltimore, Md., and Philadelphia, Pa. Preparation for preventing runs in hosiery. 324,706; May 28; Serial No. 360,250; published Mar. 19, 1935. Class 6.

Treet Safety Razor Corporation, Newark, N. J. Shaving brushes. 324,721; May 28; Serial No. 360,650; published Mar. 19, 1935. Class 29.

Tungsten Repair Parts, Inc., Long Island City, N. Y. Ignition repair parts. 324,778; May 28; Serial No. 354,585; published Mar. 19, 1935. Class 21.

Tuvin, J. H., doing business as Kelp-A-Malt Laboratories, assignor to John M. Bair, New York, N. Y., doing business as The Kelpamalt Co. Tonic preparation. 324,661; May 28; Serial No. 338,171; published July 25, 1933. Class 6.

Universal Engineering Co., Ltd., Los Angeles, Calif. Oil well tools and parts therefor. 324,774; May 28; Class 23.

Val Bros. (See Padre Vineyard Co.)

Van Raalte Company, New York, N. Y. Women's pajamas. 324,659; May 28; Serial No. 358,595; published Mar. 19, 1935. Class 39.

Verran, H. E., Company, Incorporated, assignor to The Frampton Company, New York, N. Y. Threads and yarns and combinations thereof. 104,918; renewed June 22, 1935.

Vince Laboratories, Inc., New York, N. Y. Medicated preparation for the treatment of the teeth and mouth, medicinal mouth wash, etc. 324,693; May 28; Serial No. 360,208; published Mar. 12, 1935. Class 6.

Wagner, John, & Sons, Philadelphia, Pa. Orange bitters. 324,724; May 28; Serial No. 360,507; published Mar. 12, 12, 1935. Class 6.

Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts and pajamas. 324,752; May 28; Serial No. 356,239; published Mar. 19, 1935. Class 39.

Wellesley Modes, Inc., New York, N. Y. Ladies' dresses. 324,664; May 28; Serial No. 358,797; published Mar. 19, 1935. Class 39.

Wells-Lamont-Smith Corporation, Minneapolis, Minn. Work gloves. 324,700; May 28; Serial No. 346,333; published Mar. 19, 1935. Class 39.

Wells-Lamont-Smith Corporation, Minneapolis, Minn. Work gloves. 324,702; May 28; Serial No. 346,269; published Mar. 12, 1935. Class 39.

Welsbach Company, Gloucester City, N. J. Incandescent gas-lamps, including burners and other metal lamp parts, and incandescent mantles. 105,882; renewed Aug. 24, 1935.

West Bend Aluminum Co., West Bend, Wis. Drip coffee makers. 324,773; May 28. Class 13.

West Virginia Macaroni Company, Clarksburg, W. Va. Macaroni and other alimentary paste products. 324,709; May 28; Serial No. 360,154; published Mar. 19, 1935. Class 46.

White & Wyckoff Mfg. Company, Holyoke, Mass. Blank books. 324,643; May 28; Serial No. 359,872; published Mar. 19, 1935. Class 37.

Wilbur, Ralph H., Boston, Mass. Gummed bands, strips or tapes of paper or fabric. 324,769; May 28. Class 37.

Winslow, W. R., Co., doing business as Potomac Paint Co., Washington, D. C. Paints, varnishes, and stains. 324,698; May 28; Serial No. 330,186; published Mar. 19, 1935. Class 16.

Wortendyke Manufacturing Company, Richmond, Va. Gummed paper tape. 324,690; May 28; Serial No. 360,658; published Mar. 19, 1935. Class 37.

Yardley & Co., Limited, London, England. Liquid perfumes, talcum powder and bath salts. 324,652; May 28; Serial No. 359,529; published Mar. 12, 1935. Class 6.

Zip Sales Corporation of New York, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J. Pharmaceutical preparations. 324,648; May 28; Serial No. 359,761; published Feb. 26, 1935. Class 6.

LIST OF REGISTRANTS OF LABELS

Aldrich, Victor, Los Angeles, Calif. Period Furniture Polish. For Furniture Polish. 45,616; May 28.

Beebe, A. M., doing business as A. M. Beebe Company, San Francisco, Calif. Calirose. For Canned Tomatoes with Puree. 45,617; May 28.

Beldner, A. E., New York, N. Y. Screenland Fashions For Wearing Apparel. 45,618; May 28.

Briggs Manufacturing Company, Detroit, Mich. Briggs Manufacturing Company, Ill Gloss Black Lacquer. For Black Lacquer. 45,619; May 28.

Bruton Brewing Company, Baltimore, Md. Bruton. For Beer. 45,620; May 28.

Castle Products, Inc., Newark, N. J. Caspro Brand. For an Orange Cocktail Mixer. 45,621; May 28.

Crown Cork & Seal Company, Inc., Baltimore, Md. Mason Caps. For Caps for Mason Jars. 45,622; May 28.

Delile, Paul R., New York, N. Y. Old Sugar Mill. For Rum. 45,623; May 28.

Dimitroff, Ivan, and Robert J. Kasmer, doing business as Dr. Dimitroff's & Kasmer's Medicinal Laboratory, Amsterdam, N. Y. For Terminative Compound for the Treatment of Gall-Stone, Gravel, Gonorrhea, Leucorrhea, Varicose Veins, Bronchitis, Thrombosis, Gastritis, Vaginismus, Vaginitis and Common Cold. 45,624; May 28.

Dox-O Products Co., Ottumwa, Iowa. Dox-O. For Dog Feed. 45,625; May 28.

Drucker, Austin E., Co., San Francisco, Calif. Revelation. For Tooth Powder. 45,626; May 28.

Factor, Max, & Co., Los Angeles, Calif. Max Factor Facial Soap. For Facial Soap. 45,627; May 28.

Fernald, Keene and True Company, Poland, to Fernald, Keene and True Company, West Poland, Maine. Canned corn. 13,697; renewed July 30, 1935.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Samson Brau Lager. For Beer. 45,628; May 28.

Gilbert, A. C., Company, The, Baltimore, Md., and New Haven, Conn., The Great New Erector. For Construction Toys. 45,629; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Fore Style Shoes. For Boxes. 45,630; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Sport Shoes. For Boxes. 45,631; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Beautiful Shoes. For Boxes. 45,632; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Clicky. For Boxes. 45,633; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Collegiate Sports. For Boxes. 45,634; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Shoes Moderne. For Boxes. 45,635; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Lion. For Boxes. 45,636; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Air-O Cushion Tread. For Boxes. 45,637; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Spor-Tee Strutters. For Boxes. 45,638; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Drothy May. For Boxes. 45,639; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Franklin Shoes. For Boxes. 45,640; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Model Mode Footwear. For Boxes. 45,641; May 28.

Hoague-Sprague Corporation, Lynn, Mass. The Bradford Shoe. For Boxes. 45,642; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Hannah. For Boxes. 45,643; May 28.

Hoague-Sprague Corporation, Lynn, Mass. The P and S Shoe for Men. For Boxes. 45,644; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Truman Supersport Deluxe. For Boxes. 45,645; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Park Avenue. For Boxes. 45,646; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Miss America. For Boxes. 45,647; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Levey Brothers Shoe Co. For Boxes. 45,648; May 28.

Hoague-Sprague Corporation, Lynn, Mass. New Era. For Boxes. 45,649; May 28.

Hoague-Sprague Corporation, Lynn, Mass. The Waltz Pump. For Boxes. 45,650; May 28.

Hoague-Sprague Corporation, Lynn, Mass. Betty Wales De Luxe Footwear. For Boxes. 45,651; May 28.

Hodgson, D. B., Guatemala City, Guatemala. Pacayal Coffee. For Coffee. 45,652; May 28.

Indiana Peony Sales Corporation, Inc., Evansville, Ind. Hoosier Peonies. For Peonies. 45,653; May 28.

Liberty Distilleries, Inc., Baltimore, Md. State House. For a Blend of Straight Rye Whiskies. 45,654; May 28.

Loewenthal, Siegfried, Company, Cleveland, Ohio. Hunting Valley. For Straight Rye Whiskey. 45,655; May 28.

Loewenthal, Siegfried, Company, Cleveland, Ohio. Wolverine. For Straight Rye Whiskey. 45,656; May 28.

Lyon, A., Los Angeles, Calif. Diamond Jim. For Blended Whiskey. 45,657; May 28.

Mail-Well Envelope Company, Portland, Oreg. Mail-Well Certified Envelopes. For Envelopes. 45,658; May 28.

Mann, Charles, Jr., doing business as Mann Produce Co., Los Duranes and Albuquerque, N. Mex. Blue Ribbon Grown in the Heart of the Sunshine State. For Celery. 45,659; May 28.

Mann, Charles, Jr., doing business as Mann Product Co., Los Duranes and Albuquerque, N. Mex. Blue Ribbon, Grown in the Heart of the Sunshine State. For Celery. 45,660; May 28.

Meyer, Frank C., Co., Inc., Brooklyn, N. Y. Palmer "Vanity" Slippers. For Slippers. 45,661; May 28.

Meyer, Frank C., Co., Inc., Brooklyn, N. Y. Cutler's Fashion Footwear. For Footwear. 45,662; May 28.

Mueller Electric Company, Cleveland, Ohio. Universal Battery Clips. For Battery Clips. 45,663; May 28.

Myer Products, Inc., New York, N. Y. Sparkling Club Soda. For Carbonated Sparkling Water. 45,664; May 28.

Oswald & Hess Co., Inc., Pittsburgh, Pa. Norfolk. For Han. 45,665; May 28.

Palmer, I. E., Company, The, Middletown, Conn. Arawana Mills, Aranet. For Net Goods. 45,666; May 28.

Palmer, I. E., Company, The, Middletown, Conn. Aranet. For Net Goods. 45,667; May 28.

Palmer, I. E., Company, The, Middletown, Conn. Arawana Mills Mosquinette. For Net Goods. 45,668; May 28.

Palmer, I. E., Company, The, Middletown, Conn. Mosquinette. For Net Goods. 45,669; May 28.

Pender, David, Grocery Company, Norfolk, Va. Colonial. For Waxed Paper. 45,670; May 28.

Personal Seal Chocolates Co., Boston, Mass. Personal Seal Chocolates. For Chocolates. 45,671; May 28.

Pollock Paper & Box Company, Dallas, Tex. Mattingly's Butter-Nut Bread-Sliced. For Bread. 45,672; May 28.

Quinby, W. S., Company, Boston, Mass. Coffee—Design A 1. For Coffee. 45,673; May 28.

Quinby, W. S., Company, Boston, Mass. Coffee—Design A–2. For Coffee. 45,674; May 28.

Quinby, W. S., Company, Boston, Mass. Coffee—Design A–3. For Coffee. 45,675; May 28.

Quinby, W. S., Company, Boston, Mass. Coffee—Design A–4. For Coffee. 45,676; May 28.

Quinby, W. S., Company, Boston, Mass. Coffee—Design A–5. For Coffee. 45,677; May 28.

Salem Brewery Association, Salem, Oreg. Frank T. Schmidt's Salem Beer. For Beer. 45,678; May 28.

Santillippo, Thomas, New Castle, Pa. T. S. Dandruff Remover. For Preparation for Removing Dandruff. 45,679; May 28.

Standard Medical Products, Incorporated, Long Beach, Calif. Enzymogen. For a Preparation for the Treatment of Digestive Disorders and Related Ailments. 45,680; May 28.

Standard Toycraft Products, Inc., New York, N. Y. Little Mother's Patchwork Outfit. For Children's Patchwork Outfits. 45,681; May 28.

Strauch, Mahlon L., Benton, Pa. Country Bread. For Bread. 45,682; May 28.

Sweet, E. A., Co., Inc., Binghamton, N. Y. Enjoy Leather Craft for Boys and Girls—Craftsman No. 1. For Leather Craft Kits for Boys and Girls. 45,683; May 28.

Underwood Elliott Fisher Company, New York, N. Y. Last Line Indicator, Multiple Sheet Inserter, Cylinder Protector. For Carbon Paper. 45,684; May 28.

Union Bag & Paper Corporation, New York, N. Y. Design 108. For Coffee. 45,685; May 28.

United Importers & Distillers, Inc., New Haven, Conn. Speed King. For a Blend of Straight Whiskies. 45,686; May 28.

United Importers & Distillers, Inc., New Haven, Conn. State House. For Straight Whiskey. 45,687; May 28.

United Importers & Distillers, Inc., New Haven, Conn. Pinochle Club. For Blended Whiskey. 45,688; May 28.

Victory Packing Company, Oakland, Calif. Prize Brand Dog & Cat Food. For Dog and Cat Food. 45,689; May 28.

Weiner, A. J., Cleveland, Ohio. A. J.'s Old Time Brand Straight Distilled Apple Brandy. For Apple Brandy. 45,690; May 28.

Weiner, A. J., Cleveland, Ohio. Old Distiller's Pride Brand Straight Whiskey. For Straight Whiskey. 45,691; May 28.

Wenderoth, Charles, Jr., Woodside, N. Y. Best by Test. For Fuel. 45,692–3; May 28.

LIST OF REGISTRANTS OF PRINTS

A C Spark Plug Company, Flint, Mich. Have Your Plugs Cleaned by the New AC Method. For Spark Plug Cleaning Devices. 15,153; May 28.

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. They Put Ideas in your Head! For Carpets and Rugs. 15,154; May 28.

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. So We Dropped in the Big Dipper to Oblige. For Carpets and Rugs. 15,155; May 28.

Chilton Pen Company, Inc., The, New York and Long Island City, N. Y. Chilton Presents Wing-Flow Series. For Fountain Pens and Mechanical Pencils. 15,156; May 28.

Cream of Wheat Corporation, The, Minneapolis, Minn. Beware of Dangerous Upsets Now! For Wheat Breakfast Food. 15,157; May 28.

Electric Storage Battery Company, The, Philadelphia, Pa. When it's an Exide You Start. For Storage Batteries. 15,158; May 28.

Fidello Brewery, Inc., New York, N. Y. Quality Beer and Ale Since 1852. For Beer and Ale. 15,159; May 28.

General Mills, Inc., Minneapolis, Minn. Even Your Most Critical Guest Will Rave About Orange Luncheon Bisquicks Says Mrs. Philip Cushing Hill. For Biscuit Flour. 15,160; May 28.

General Mills, Inc., Minneapolis, Minn. Wanted! Women Whose Husbands Like Strawberry Shortcake to Accept this Friendly Challenge from Me. For Biscuit Flour. 15,161; May 28.

General Mills, Inc., Minneapolis, Minn. Wanted: Every Wife Whose Husband Likes Strawberry Shortcake to Accept this Friendly Challenge from Betty Crocker! For Biscuit Flour. 15,162; May 28.

Goodrich, B. F., Company, The, Akron, Ohio. I Don't Mind Flying Through Smoking Craters, but I'm Afraid of Another Blow-Out (Ad No. GBC–52). For Rubber Tires. 15,163; May 28.

Goodrich, B. F., Company, The, Akron, Ohio. Being Tossed by a Wild Bronco is Tame Compared to a Blow-Out Accident (Ad No. GBC–51). For Rubber Tires. 15,164; May 28.

Keystone Auto Fabric Co., Philadelphia, Pa. An Actual Photograph of a Car Equipped with Keystone Seat Covers. For Automobile Seat Covers. 15,165; May 28.

Original Enamel Range Company, Belleville, Ill. Buck's. For Ranges and Stoves. 15,166; May 28.

Pinaud Incorporated, New York, N. Y. Spring Is Lilac Promotion Time. For Skin Perfume. 15,167; May 28.

Pinaud Incorporated, New York, N. Y. As the Women In Your Town Thrill to the Voice of the Night Singer on Lilac Time. For Combination Boxes Containing Skin Perfume, Mascara and an Eyelash Brush. 15,168; May 28.

Premier-Pabst Corporation, Peoria Heights, Ill. First Call for Dinner Means it's Time for Pabst. For Beer and Ale. 15,169; May 28.

Premier-Pabst Corporation, Peoria Heights, Ill. It's Time for Pabst. For Beer and Ale. 15,170–1; May 28.

Premier-Pabst Corporation, Peoria Heights, Ill. Snapshots of Modern Bakers. For Baker's Malt. 15,172; May 28.

Premier-Pabst Corporation, Peoria Heights, Ill. Lena's Liberal Offer in Celebration of White Banner Malt Week April 14th to 20th. For Malt Extract. 15,173; May 28.

Quality Bakers of America, Inc., New York, N. Y. Look for the Bread in the Orange Wrapper. For Bread. 15,174; May 28.

Sears, Roebuck and Co., Chicago, Ill. Sears Straight-Line Distribution Saves You Money. For General Line of Merchandise Including Curtains, Shoes, Shirts, Hose, Overalls, and Chairs. 15,175; May 28.

United Distributors, Incorporated, Louisville, Ky. Health Beckons You. For a Medicinal Preparation. 15,176; May 28.

United Distributors, Incorporated, Louisville, Ky. Authority Declares Constipation Leads to Forty Ailments. For a Medicinal Preparation. 15,177; May 28.

United Distributors, Incorporated, Louisville, Ky. Indigestion Caused by Hyperacidity. For a Medicinal Preparation. 15,178; May 28.

United Distributors, Incorporated, Louisville, Ky. All Who Suffer: Don't Buy Medicine Until You Read This! For a Medicinal Preparation. 15,179; May 28.

Verley, Albert, Inc., Chicago, Ill. Valen'Ju Orange Drink 5¢. For an Orange Drink. 15,180; May 28.

Westco Pump Corporation, Davenport, Iowa. No Belts Gears No Valve Springs No Pistons Leathers No Pounding Hammering. For Turbine Pumps and Water Systems. 15,181; May 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Mushroom spawn. J. H. Booth. 324,750; May 28; Serial No. 358,087; published Mar. 19, 1935.

CLASS 2

Vaults. Embalming Burial Case Company. 324,775; May 28.

CLASS 4

Cleaner for garments, rugs, etc. Sunbeam Specialty Company. 324,673; May 28; Serial No. 360,913; published Mar. 12, 1935.

Cleaner, Wall paper. Cleveland Cleaner and Paste Company. 324,662; May 28; Serial No. 360,432; published Mar. 12, 1935.

Cleaning and polishing preparations. Chemische Fabrik Düsseldorf Aktiengesellschaft. 104,930; renewed June 29, 1935.

Cleaning compound. M. I. Lattner. 324,761; May 28; Serial No. 354,124; published Mar. 19, 1935.

Polish, Glass and metal. J. P. Rosenlicht. 324,712; May 28; Serial No. 360,078; published Mar. 19, 1935.

Soap, Paste. Speed-Kleen Manufacturing Company. 324,747; May 28; Serial No. 358,339; published Mar. 19, 1935.

Soap, Toilet. Ensemble Manufacturing Company. 324,699; May 28; Serial No. 346,633; published Mar. 19, 1935.

Washing preparation. Henkel & Cie. Gesellschaft mit beschränkter Haftung. 324,731; May 28; Serial No. 348,439; published Mar. 19, 1935.

CLASS 6

Anti-freezing liquid. Socony-Vacuum Oil Company. 324,694; May 28; Serial No. 360,294; published Mar. 12, 1935.

Bitters, Orange. John Wagner & Sons. 324,724; May 28; Serial No. 360,507; published Mar. 12, 1935.

Bleaching salts and sodas, cleaning and dyeing preparations. Surpass Chemical Co. 105,765; renewed Aug. 17, 1935.

Chemical preparation for cleaning metals. H. R. Neilson. 324,746; May 28; Serial No. 358,562; published Mar. 12, 1935.

Cosmetics, Simplex Products Co. Inc. 324,705; May 28; Serial No. 340,755; published Mar. 19, 1935.

Depilatory. Heirloom Products Company. 324,708; May 28; Serial No. 360,173; published Mar. 19, 1935.

Ethanol, Completely denatured. Carbide and Carbon Chemicals Corporation. 324,710; May 28; Serial No. 360,129; published Mar. 19, 1935.

Finger nail polish. Marion Lambert, Inc. 324,670; May 28; Serial No. 360,363; published Mar. 12, 1935.

Hair grower preparation. E. P. Frierson. 324,736; May 28; Serial No. 361,007; published Mar. 19, 1935.

Halibut-liver oil. A. E. Mallard. 324,730; May 28; Serial No. 348,886; published May 1, 1934.

Lotion for athlete's foot disease. O. S. Clayton. 324,733; May 28; Serial No. 361,040; published Mar. 12, 1935.

Lotion, Skin. Superior Products Company. 324,679; May 28; Serial No. 360,808; published Mar. 12, 1935.

Medicated preparation for the treatment of the teeth and mouth. Vince Laboratories, Inc. 324,693; May 28; Serial No. 360,298; published Mar. 12, 1935.

Medicinal preparations. Schering Corporation. 324,677; May 28; Serial No. 360,858; published Mar. 19, 1935.

Medicinal tea. California Tea Company. 324,666; May 28; Serial No. 359,942; published Mar. 19, 1935.

Perfumery, face-powder and talcum powder. Andrew Jergens Company. 105,852; renewed Aug. 24, 1935.

Perfumes, talcum powder, and bath salts, Liquid. Yardley & Co. 324,652; May 28; Serial No. 359,529; published Mar. 12, 1935.

Pharmaceutical preparation in tablet form. Lederle Laboratories, Inc. 324,742; May 28; Serial No. 360,969; published Mar. 19, 1935.

Pharmaceutical preparations. Zip Sales Corporation of New York. 324,648; May 28; Serial No. 359,761; published Feb. 26, 1935.

Preparation for preventing runs in hosiery. Textilife Corporation. 324,706; May 28; Serial No. 360,250; published Mar. 19, 1935.

Preparation for sinusitis, colds, catarrh, etc. H. L. Day. 324,642; May 28; Serial No. 359,908; published Mar. 12, 1935.

Preparation for the treatment of coughs, colds, etc. Justin Haynes & Co. 324,671; May 28; Serial No. 360,313; published Mar. 12, 1935.

Preparations for the treatment of hair. E. Soussa. 324,755; May 28; Serial No. 355,329; published Mar. 19, 1935.

Preparation for the treatment of sick stomach, halitosis, etc. Bruckner Chemicals. 324,655; May 28; Serial No. 359,122; published Mar. 12, 1935.

Preparation for use in the treatment of cardiac conditions. Grisard Laboratories, Incorporated. 324,695; May 28; Serial No. 360,272; published Mar. 12, 1935.

Preparation to aid digestion. Pharmaco Products Co. 324,645; May 28; Serial No. 359,858; published Mar. 19, 1935.

Remedy for gouty and rheumatic diseases and neuralgic affections. Farbwerke vorm. Meister Lucius & Brüning. 105,811; renewed Aug. 17, 1935.

Tonic, Malt. Peter Schuenhofen Brewing Company. 103,794; renewed Apr. 13, 1935.

Tonic preparation. J. H. Tuvin. 324,661; May 28; Serial No. 338,171; published July 25, 1933.

CLASS 8

Tobacco-pipes and cigar and cigarette holders. Delacour Brothers, Limited. 105,343; renewed July 20, 1935.

CLASS 9

Blasting agent, Nitrate of ammonia. E. I. du Pont de Nemours and Company. 324,713; May 28; Serial No. 361,308; published Mar. 19, 1935.

Matches, Safety. Amtorg Trading Corporation. 324,759; May 28; Serial No. 354,399; published Sept. 11, 1934.

CLASS 12

Boards, Composition boards, etc., Asbestos cement. Keasbey & Mattison Company. 324,720; May 28; Serial No. 360,592; published Mar. 19, 1935.

Brick, Refractory. Laclede-Christy Clay Products Company. 324,687; May 28; Serial No. 360,719; published Mar. 19, 1935.

CLASS 13

Coffee makers, Drip. West Bend Aluminum Co. 324,773; May 28.
Conduits, liquid control valves, pipes and pipe fittings, Metal. Hay Burner Company. 324,644; May 28; Serial No. 359,860; published Mar. 19, 1935.
Fasteners, Slide. Conmar Products Corporation. 324,689; May 28; Serial No. 360,665; published Mar. 19, 1935.
Grills, griddles, and cookers, Aluminum combined. J. T. Morgan. 324,753; May 28; Serial No. 356,010; published Mar. 19, 1935.

CLASS 14

Castings, Piston. Bohn Aluminum & Brass Corporation. 324,728; Mar. 28; Serial No. 357,589; published Mar. 19, 1935.

CLASS 15

Gasoline, kerosene, and distillates. Security Oil Company. 324,675; May 28; Serial No. 360,909; published Mar. 19, 1935.
Oil, separator oil, machine oil, etc., Penetrating. Standard Oil Company of New Jersey. 324,744; May 28; Serial No. 360,942; published Mar. 19, 1935.
Oils and greases, Lubricating. Penola Inc. 324,745; May 28; Serial No. 360,939; published Mar. 19, 1935.
Oils and greases, Lubricating. Southwestern Petroleum Company. 324,680–1; May 28; Serial Nos. 360,803–4; published Mar. 19, 1935.

CLASS 16

Coating material, Protective. Inland Manufacturing Company. 324,765; May 28; Serial No. 351,320; published Mar. 19, 1935.
Lustre cream and polish for automobiles, etc. Colorgio Products. 324,756; May 28; Serial No. 355,140; published Mar. 19, 1935.
Paints and calcimines, Casein. I. F. Laucks, Inc. 324,723; May 28; Serial No. 360,542; published Mar. 19, 1935.
Paints, Outside cold water. I. F. Laucks, Inc. 324,743; May 28; Serial No. 360,968; published Mar. 19, 1935.
Paints, varnishes, and stains. W. R. Winslow Co. 324,698; May 28; Serial No. 330,186; published Mar. 19, 1935.

CLASS 20

Floor covering. Bird & Son, Inc. 324,779; May 28.

CLASS 21

Electric toasters, waffle irons, fans, etc. Knapp-Monarch Company. 324,768; May 28.
Ignition repair parts. Tungsten Repair Parts, Inc. 324,758; May 28; Serial No. 354,585; published Mar. 19, 1935.
Insulating varnish. Sherwin-Williams Co. 104,808; renewed June 15, 1935.
Radio receiving sets. Belmont Radio Corporation. 324,757; May 28; Serial No. 355,009; published Mar. 19, 1935.

CLASS 22

Game, Card. T. G. Porter (Printers) Limited. 324,718; May 28; Serial No. 361,148; published Mar. 19, 1935.
Skates, Roller. Marshall Field & Company. 324,717; May 28; Serial No. 361,165; published Mar. 19, 1935.
Stilts, stilt steps, and supports. Crane Packing Company. 324,714; May 28; Serial No. 361,258; published Mar. 19, 1935.
Toy figures and toy dishes. Geo. Borgfeldt Corporation. 324,647; May 28; Serial No. 359,775; published Mar. 19, 1935.

CLASS 23

Files. A. O. Barnes. 324,697; May 28; Serial No. 360,265; published Mar. 19, 1935.
Shovels, hammers, hatchets, etc., Contractors'. Belknap Hardware & Manufacturing Company. 324,707; May 28; Serial No. 360,204; published Mar. 19, 1935.
Tools and parts therefor, Oil well. Universal Engineering Co. 324,774; May 28.
Vises and lathe-dogs. Bonney Vise & Tool Works Inc. 104,199; renewed May 11, 1935.

CLASS 26

Eyeglasses. Emil Busch, Aktiengesellschaft Optische Industrie. 105,313; renewed July 20, 1935.
Measuring apparatus and condenser water-meters, Alcohol. Gebruder Siemens & Company. 104,674; renewed June 8, 1935.
Ophthalmic mountings. Bausch & Lomb Optical Company. 324,776–8; May 28.

CLASS 28

Jewelry, Platinum and gold. D'Amico & Chudner, Inc. 324,650; May 28; Serial No. 359,574; published Mar. 19, 1935.
Rings, Finger. J. Granat. 324,685; May 28; Serial No. 360,772; published Mar. 19, 1935.

CLASS 29

Brushes, Shaving. Treet Safety Razor Corporation. 324,721; May 28; Serial No. 360,650; published Mar. 19, 1935.

CLASS 31

Refrigerators. Northern Refrigerator Company. 103,910; renewed Apr. 20, 1935.

CLASS 32

Furniture. Baker Furniture Factories, Inc. 324,734; May 28; Serial No. 346,760; published Mar. 19, 1935.

CLASS 33

Crystals, Watch. Buhl, Peer & Keefe. 324,772; May 28.
Glass, Flat. Pittsburgh Plate Glass Company. 324,678; May 28; Serial No. 360,857; published Mar. 19, 1935.
Globe fixtures, Lighting. M. Chernlak. 324,732; May 28; Serial No. 349,069; published Aug. 28, 1934.

CLASS 34

Lamps, burners, and parts, and mantles, Incandescent gas. Welsbach Company. 105,882; renewed Aug. 24, 1935.

CLASS 37

Bands, strips or tapes of paper or fabric, Gummed. R. H. Wilbur. 324,769; May 28.
Books, Blank. White & Wyckoff Mfg. Company. 324,643; May 28; Serial No. 359,872; published Mar. 19, 1935.
Erasers, Rubber. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. 324,688; May 28; Serial No. 360,718; published Mar. 19, 1935.
Paper. Hammermill Paper Company. 324,676; May 28; Serial No. 360,888; published Mar. 19, 1935.
Tape, Gummed paper. Wortendyke Manufacturing Company. 324,690; May 28; Serial No. 360,658; published Mar. 19, 1935.

CLASS 38

Card and highway map, Combination, Souvenir. Gulf Refining Company. 324,649; May 28; Serial No. 359,657; published Mar. 19, 1935.
Magazine. Collegiate World Publishing Company. 324,668; May 28; Serial No. 206,809; published Sept. 23, 1924.
Magazine. Official Detective Stories, Inc. 324,748; May 28; Serial No. 358,294; published Mar. 19, 1935.
Newspaper column. P. Conrad. 324,672; May 28; Serial No. 360,926; published Mar. 19, 1935.
Publication. Dell Publishing Company. 324,737; May 28; Serial No. 360,998; published Mar. 19, 1935.
Publication. Dell Publication Company 324,739–40; May 28; Serial Nos. 360,996–7; published Mar. 19, 1935.
Publication. Dell Publishing Company. 324,741; May 28; Serial No. 360,994; published Mar. 19, 1935.
Publication. Pictorial Review Pattern Company. 324,657; May 28; Serial No. 358,999; published Mar. 19, 1935.
Publications. Delta Manufacturing Company. 324,722; May 28; Serial No. 360,581; published Mar. 19, 1935.

CLASS 39

Boots and shoes. Kaut-Reith Shoe Company. 105,732; renewed Aug. 17, 1935.
Coats, suits and dresses, Ladies' and misses'. Karpas-Lederman Corporation. 324,691; May 28; Serial No. 359,993; published Mar. 19, 1935.
Corsets, combination corset brassieres, girdles, etc. Charis Corporation. 324,738; May 28; Serial No. 360,699; published Mar. 12, 1935.
Dresses, Ladies'. Wellesley Modes, Inc. 324,664; May 28; Serial No. 358,797; published Mar. 19, 1935.
Dresses, skirts, and coats. S. J. Goldfarb. 324,704; May 28; Serial No. 351,464; published Mar. 19, 1935.
Garments for stout women, Foundation. Blair Corset Co. Inc. 324,766; May 28; Serial No. 358,716; published Mar. 19, 1935.
Gloves, Work. Wells-Lamont-Smith Corporation. 324,700; May 28; Serial No. 346,333; published Mar. 19, 1935.
Gloves, Work. Wells-Lamont-Smith Corporation. 324,702; May 28; Serial No. 346,269; published Mar. 12, 1935.
Hats and caps. Goldenbergs. 105,814; renewed Aug. 17, 1935.
Hats and caps, Women's. S. Scheuer. 324,701; May 28; Serial No. 346,325; published Apr. 24, 1934.
Heels, Rubber. Auburn Rubber Corporation. 324,692; May 28; Serial No. 360,305; published Mar. 19, 1935.
Heels, rubber heels, and rubber Inserts, Leather. E. W. Burt & Company. 105,783; renewed Aug. 17, 1935.
Hosiery. Chas. Chipman's Sons Co. Inc. 324,658; May 28; Serial No. 358,966; published Mar. 19, 1935.
Hosiery. Cooper, Wells & Company. 324,653; May 28; Serial No. 359,510; published Mar. 19, 1935.
Pajamas and night robes. B. V. D. Company. 324,686; May 28; Serial No. 360,750; published Mar. 19, 1935.
Pajamas, Women's. Van Raalte Company. 324,659; May 28; Serial No. 358,959; published Mar. 19, 1935.
Shirts, shorts, and pajamas, Men's negligee. Wamsutta Mills. 324,752; May 28; Serial No. 356,239; published Mar. 19, 1935.
Shoes. Stonefield-Evans Shoe Co. 103,830; renewed Apr. 13, 1935.
Shoes, Children's. F. M. Fargo. 105,791; renewed Aug. 17, 1935.
Suits, overcoats, hosiery, dresses, etc. Samuel Schlossman & Sons, Inc. 324,711; May 28; Serial No. 360,110; published Mar. 19, 1935.

Suits, swimming trunks, and sweaters, Swim. Pacific Knitting Mills. 324,735; May 28; Serial No. 361,024; published Mar. 19, 1935.

CLASS 40

Hair curlers, Non-electrical. W. J. Caley. 324,771; May 28.

CLASS 42

Cotton and rayon textile fabrics. Alfred L. Helwith & Co. 324,651; May 28; Serial No. 359,548; published Mar. 12, 1935.
Piece goods, Knitted and woven. Standard Romper Co. 324,656; May 28; Serial No. 359,057; published Mar. 12, 1935.
Pile fabrics. Sidney Blumenthal & Co. Inc. 324,719; May 28; Serial No. 361,046; published Mar. 12, 1935.
Sheets and pillow cases. Cannon Mills Company. 324,663; May 28; Serial No. 360,396; published Mar. 19, 1935.
Towels. Manhattan Shirt Co. 324,729; May 28; Serial No. 357,016; published Mar. 19, 1935.
Woolen piece goods. Forstmann Woolen Co. 324,660; May 28; Serial No. 360,438; published Mar. 12, 1935.

CLASS 43

Cotton, Crochet. Lily Mills Company. 324,640; May 28; Serial No. 359,854; published Mar. 5, 1935.
Threads and yarns. H. E. Verran Company. 104,918; renewed June 22, 1935.

CLASS 44

Physotheraphy and short wave diathermic machines. Adlanco X-Ray Corporation. 324,641; May 28; Serial No. 359,937; published Mar. 19, 1935.

CLASS 45

Beverages and sirups, extracts and concentrates for making the same. Salient Flavoring Corp. 324,716; May 28; Serial No. 361,219; published Mar. 19, 1935.
Powder for making a soft drink. J. S. Boswell. 324,770; May 28.

CLASS 46

Biscuits and chocolate, English wheaten. McVitie & Price, Limited. 324,754; May 28; Serial No. 355,486; published Mar. 19, 1935.
Bread. W. E. Long Co. 324,684; May 28; Serial No. 360,781; published Mar. 19, 1935.
Bread, rolls, cake, etc. Cole Baking Company. 324,696; May 28; Serial No. 360,266; published Mar. 19, 1935.
Canned food for dogs, cats, etc. Republic Food Products Co. 324,767; May 28; Serial No. 358,571; published Mar. 19, 1935.
Canned vegetables. California Pea Products, Inc. 324,715; May 28; Serial No. 361,254; published Mar. 19, 1935.
Confectionery. Hershey Chocolate Corporation. 324,727; May 28; Serial No. 349,930; published Mar. 19, 1935.
Flour, Wheat. Colorado Milling & Elevator Co. 324,749; May 28; Serial No. 358,190; published Mar. 19, 1935.
Ice-cream. Isaly Dairy Company. 324,665; May 28; Serial No. 360,388; published Mar. 19, 1935.
Macaroni and other alimentary paste products. West Virginia Macaroni Company. 324,709; May 28; Serial No. 360,154; published Mar. 19, 1935.
Oats, Rolled. Corno Mills Company. 106,072; renewed Oct. 5, 1935.
Oranges, grape-fruit and tangerines. J. J. Parrish. 104,475; renewed June 1, 1935.
Tea. Ridgways, Inc. 324,669; May 28; Serial No. 360,374; published Mar. 19, 1935.
Tea used as a food beverage, Yerba-mate. N. A. Frazar. 324,654; May 28; Serial No. 359,420; published Mar. 19, 1935.

CLASS 47

Wines. Cucamonga Wine Company. 324,760; May 28; Serial No. 354,367; published Mar. 19, 1935.
Wines. Leopold, David, & Co., A. G. 324,703; May 28; Serial No. 345,379; published Mar. 19, 1935.
Wines. Padre Vineyard Co. 324,682–3; May 28; Serial Nos. 360,784–5; published Mar. 19, 1935.
Wines. Schenley Import Corporation. 324,667; May 28; Serial No. 360,379; published Mar. 19, 1935.
Wines. Shewan-Jones, Inc. 324,674; May 28; Serial No. 360,911; published Mar. 19, 1935.
Wines. Standard Distillers Products, Inc. 324,725; May 28; Serial No. 360,500; published Mar. 19, 1935.

CLASS 48

Ale. Standard Brewing Company. 724,763; May 28; Serial No. 352,555; published Jan. 8, 1935.
Beer. Forest City Brewery, Inc. 324,780; May 28.
Beer and ale. Sunrise Brewing Company. 324,751; May 28; Serial No. 356,784; published Mar. 19, 1935.

CLASS 49

Whiskey. Interstate Distillers, Inc. 324,726; May 28; Serial No. 350,763; published July 17, 1934.
Whiskey and other potable distilled spirits. Schenley Products Company. 324,704; May 28; Serial No. 344,989; published Feb. 6, 1934.

CLASS 50

Leather, Artificial. Leathercraft Corporation. 324,762; May 28; Serial No. 352,745; published Mar. 19, 1935.

LIST OF LABELS

A. J.'s Old Time Brand Straight Distilled Apple Brandy. For Apple Brandy. A. J. Weiner. 45,690; May 28.
Air-O Cushion Tread. For Boxes. Hoague-Sprague Corporation. 45,637; May 28.
Aranet. For Net Goods. I. E. Palmer Company. 45,667; May 28.
Arawana Mills, Aranet. For Net Goods. I. E. Palmer Company. 45,666; May 28.
Arawana Mills Mosquinette. For Net Goods. I. E. Palmer Company. 45,668; May 28.
Beautiful Shoes. For Boxes. Hoague-Sprague Corporation. 45,632; May 28.
Best by Test. For Fuel. C. Wenderoth, Jr. 45,692–3; May 28.
Betty Wales De Luxe Footwear. For Boxes. Hoague-Sprague Corporation. 45,651; May 28.
Blue Ribbon Grown in the Heart of the Sunshine State. For Celery. Charles Mann, Jr. 45,659; May 28.
Blue Ribbon, Grown in the Heart of the Sunshine State. For Asparagus. Charles Mann, Jr. 45,660; May 28.
Briggs Manufacturing Company, Hi-Gloss Black Lacquer For Black Lacquer. Briggs Manufacturing Company. 45,619; May 28.
Bruton. For Beer. Bruton Brewing Company. 45,620; May 28.
Calirose. For Canned Tomatoes with Puree. A. M. Beebe. 45,617; May 28.
Caspro Brand. For an Orange Cocktail Mixer. Castle Products, Inc. 45,621; May 28.
Clicky. For Boxes. Hoague-Sprague Corporation. 45,633; May 28.
Coffee—Design A–1. For Coffee. W. S. Quinby Company. 45,673; May 28.
Coffee—Design A–2. For Coffee. W. S. Quinby Company. 45,674; May 28.
Coffee—Design A–3. For Coffee. W. S. Quinby Company. 45,675; May 28.
Coffee—Design A–4. For Coffee. W. C. Quinby Company. 45,676; May 28.
Coffee—Design A–5. For Coffee. W. S. Quinby Company. 45,677; May 28.
Collegiate Sports. For Boxes. Hoague-Sprague Corporation. 45,634; May 28.
Colonial. For Waxed Paper. David Pender Grocery Company. 45,670; May 28.
Country Bread. For Bread. M. L. Strauch. 45,682; May 28.
Cutler's Fashion Footwear. For Footwear. Frank C. Meyer Co. Inc. 45,662; May 28.
Design 108. For Coffee. Union Bag & Paper Corporation. 45,685; May 28.
Diamond Jim. For Blended Whiskey. A. Lyon. 45,657; May 28.
Dorothy May. For Boxes. Hoague-Sprague Corporation. 45,639; May 28.
Dox-O. For Dog Feed. Dox-O Products Co. 45,625; May 28.
Dr. Dimitroff's & Kasmer's Medicinal Laboratory. For Terminative Compound for the Treatment of Gall-Stone, Gravel, Gonorrhea, Leucorrhea, Varicose Veins, Bronchitis, Thrombosis, Gastritis, Vaginitis, and Common Cold. I. Dimitroff and R. J. Kasmer. 45,624; May 28.
Enjoy Leather Craft for Boys and Girls—Craftsman No. 1. For Leather Craft Kits for Boys and Girls. E. A. Sweet Co. Inc. 45,683; May 28.
Enzymogen. For a Preparation for the Treatment of Digestive Disorders and Related Ailments. Standard Medical Products, Incorporated. 45,680; May 28.
Fore Style Shoes. For Boxes. Hoague-Sprague Corporation. 45,630; May 28.
Franklin Shoes. For Boxes. Hoague-Sprague Corporation. 45,640; May 28.
Frank T. Schmidt's Salem Beer. For Beer. Salem Brewery Association. 45,678; May 28.
Hannah. For Boxes. Hoague-Sprague Corporation. 45,643; May 28.
Hoosier Peonies. For Peonies. Indiana Peony Sales Corporation. 45,653; May 28.
Hunting Valley. For Straight Rye Whiskey. Loewenthal Siegfried Company. 45,655; May 28.
Last Line Indicator. Multiple Sheet Inserted. Cylinder Protector. For Carbon Paper. Underwood Elliott Fisher Company. 45,684; May 28.
Levey Brothers Shoe Co. For Boxes. Hoague-Sprague Corporation. 45,648; May 28.
Lion. For Boxes. Hoague-Sprague Corporation. 45,636; May 28.

Little Mother's Patchwork Outfit. For Children's Patchwork Outfits. Standard Toycraft Products, Inc. 45,681; May 28.
Mail-Well Certified Envelopes. For Envelopes. Mail-Well Envelope Company. 45,658; May 28.
Mason Caps. For Caps for Mason Jars. Crown Cork & Seal Company. 45,622; May 28.
Mattingly's Butter-Nut Bread—Sliced Bread. Pollock Paper & Box Company. 45,672; May 28.
Max Factor Facial Soap. For Facial Soap. Max Factor & Co. 45,627; May 28.
Miss America. For Boxes. Hoague-Sprague Corporation. 45,647; May 28.
Model Mode Footwear. For Boxes. Hoague-Sprague Corporation. 45,641; May 28.
Mosquinette. For Net Goods. I. E. Palmer Company. 45,669; May 28.
New Era. For Boxes. Hoague-Sprague Corporation. 45,649; May 28, 1935.
Norfolk. For Ham. Oswald & Hess Co. 45,665; May 28.
Old Distiller's Pride Brand Straight Whiskey. For Straight Whiskey. A. J. Weiner. 45,691; May 28.
Old Sugar Mill. For Rum. P. R. Delile. 45,623; May 28.
Pacayal Coffee. For Coffee. D. B. Hodgsdon. 45,652; May 28.
Palmer "Vanity" Slippers. For Slippers. Frank C. Meyer Co. Inc. 45,661; May 28.
Park Avenue. For Boxes. Hoague-Sprague Corporation. 45,646; May 28.
Period Furniture Polish. For Furniture Polish. V. Aldrich. 45,616; May 28.
Personal Seal Chocolates. For Chocolates. Personal Seal Chocolates Co. 45,671; May 28.
Pinochle Club. For Blended Whiskey. United Importers & Distillers, Inc. 45,688; May 28.
Poland. For Canned Corn. Fernald, Keene and True Company. 13,697; renewed July 30, 1935.
Prize Brand Dog & Cat Food. For Dog and Cat Food. Victory Packing Company. 45,689; May 28.
Revelation. For Tooth Powder. Austin E. Drucker Co. 45,626; May 28.
Screenland Fashions. For Wearing Apparel. A. E. Beldner. 45,618; May 28.
Shoes Moderne. For Boxes. Hoague-Sprague Corporation. 45,635; May 28.
Sparkling Club Soda. For Carbonated Sparkling Water. Myer Products, Inc. 45,604; May 28.
Speed King. For a Blend of Straight Whiskies. United Importers & Distillers, Inc. 45,686; May 28.
Spor-Tee Strutters. For Boxes. Hoague-Sprague Corporation. 45,638; May 28.
Sport Shoes. For Boxes. Hoague-Sprague Corporation. 45,631; May 28.
State House. For Straight Whiskey. United Importers & Distillers, Inc. 45,687; May 28.
State House. For A Blend of Straight Rye Whiskies. Liberty Distilleries, Inc. 45,654; May 28.
T. S. Dandruff Remover. For Preparation for Removing Dandruff. T. Sanillippo. 45,679; May 28.
The Bradford Shoe. For Boxes. Hoague-Sprague Corporation. 45,642; May 28.
The Great New Erector. For Construction Toys. The A. C. Gilbert Company. 45,629; May 28.
The P and S Shoe For Men. For Boxes. Hoague-Sprague Corporation. 45,644; May 28.
The Waltz Pump. For Boxes. Hoague-Sprague Corporation. 45,650; May 28.
Truman Supersport Deluxe. For Boxes. Hoague-Sprague Corporation. 45,645; May 28.
Universal Battery Clips. For Battery Clips. Mueller Electric Company. 45,663; May 28.
Waldorf Samson Bräu Lager. For Beer. Forest City Brewery, Inc. 45,628; May 28.
Wolverine. For Straight Rye Whiskey. Loewenthal Siegfried Company. 45,656; May 28.

LIST OF PRINTS

All who suffer: Don't Buy Medicine Until You Read This! For a Medicinal Preparation. United Distributors, Incorporated. 15,179; May 28.
An Actual Photograph of a Car Equipped with Keystone Seat Covers. For Automobile Seat Covers. Keystone Auto Fabric Co. 15,165; May 28.
Authority Declares Constipation Leads to Forty Ailments. For a Medicinal Preparation. United Distributors, Incorporated. 15,177; May 28.
As the Women in Your Town Thrill to the Voice of the Night Singer on Lilac Time. For Combination Boxes Containing Skin Perfume, Mascara and an Eyelash Brush. Pinaud Incorporated. 15,168; May 28.
Being Tossed by a Wild Broncho is Tame Compared to a Blow-Out Accident (Ad No. GBC–51). For Rubber Tires. B. F. Goodrich Company. 15,164; May 28.
Beware of Dangerous Upsets Now! For Wheat Breakfast Foods. Cream of Wheat Corporation. 15,157; May 28.
Buck's. For Ranges and Stoves. Original Enamel Range Company. 15,166; May 28.
Chilton Presents Wing-Flow Series. For Fountain Pens and Mechanical Pencils. Chilton Pen Company. 15,156; May 28.
Even Your Most Critical Guest Will Rave About Orange Luncheon Bisquicks Says Mrs. Philip Cushing Hill. For Biscuit Flour. General Mills, Inc. 15,160; May 28.
First Call for Dinner Means It's Time for Pabst. For Beer and Ale. Premier-Pabst Corporation. 15,169; May 28.
Have Your Plugs Cleaned by the New AC Method. For Spark Plug Cleaning Devices. A C Spark Plug Company. 15,153; May 28.
Health Beckons You. For a Medicinal Preparation. United Distributors, Incorporated. 15,176; May 28.
I Don't Mind Flying Through Smoking Craters, but I'm Afraid of Another Blow-Out (Ad No. GBC–52). For Rubber Tires. B. F. Goodrich Company. 15,163; May 28.
Indigestion Caused by Hyperacidity. For a Medicinal Preparation. United Distributors, Incorporated. 15,178; May 28.
It's Time for Pabst. For Beer and Ale. Premier-Pabst Corporation. 15,170–1; May 28.
Lena's Liberal Offer in Celebration of White Banner Malt Week April 14th to 20th. For Malt Extract. Premier-Pabst Corporation. 15,173; May 28.
Look for the Bread in the Orange Wrapper. For Bread. Quality Bakers of America, Inc. 15,174; May 28.
No Belts Gears No Valve Springs No Pistons Leathers No Pounding Hammering. For Turbine Pumps and Water Systems. Westco Pump Corporation. 15,181; May 28.
Quality Beer and Ale Since 1852. For Beer and Ale. Fidelio Brewery, Inc. 15,159; May 28.
Sears Straight-Line Distribution Saves You Money. For General Line of Merchandise Including, Curtains, Shoes, Shirts, Hose, Overalls and Chairs. Sears, Roebuck and Co. 15,175; May 28.
Snapshots of Modern Bakers. For Baker's Malt. Premier-Pabst Corporation. 15,172; May 28.
So We Dropped In the Big Dipper to Oblige. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,155; May 28.
Spring is Lilac Promotion Time. For Skin Perfume. Pinaud Incorporated. 15,167; May 28.
They Put Ideas In your Head! For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,154; May 28.
Valen'Ju Orange Drink 5¢. For an Orange Drink. Albert Verley, Inc. 15,180; May 28.
Wanted: Every Wife Whose Husband Likes Strawberry Shortcake to Accept this Friendly Challenge from Betty Crocker. For Biscuit Flour. General Mills, Inc. 15,162; May 28.
Wanted: Women Whose Husbands Like Strawberry Shortcake to Accept this Friendly Challenge from Me. For Biscuit Flour. General Mills, Inc. 15,161; May 28.
When It's an Exide You Start. For Storage Batteries. Electric Storage Battery Company. 15,158; May 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Brass Company, The. (See Coe, James R., assignor.)
Archer, Merton T., assignor, by mesne assignments, to The National-Superior Company, Toledo, Ohio. Casing head. 19,587; May 28.
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Baum, Frank G., deceased, San Francisco, Calif., by Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., assignee. High voltage electrical switch. 19,588; May 28.
Bijur, Joseph, deceased, New York, N. Y., by Auto Research Corporation, Dover, Del., assignee. Lubricating installation. 19,589; May 28.
Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Method and mill for rolling metal. 19,590; May 28.
Crafts, Curtis S., and C. A. Harless, Oak Park, assignors to The Goss Printing Press Company, Chicago, Ill. Folding mechanism. 19,591; May 28.
Gibson, George H., Upper Montclair, N. J. Combustion regulation. 19,592; May 28.
Goss Printing Press Company, The. (See Crafts, C. S., and Harless, assignors.)
Hansen, Hans P., Syracuse, N. Y. Mortuary record container. 19,593; May 28.
Harless, Charles A. (See Crafts, C. S., and Harless.)
Krebs Pigments & Color Corporation. (See Leuchs, Karl, assignor.)
Leuchs, Karl, Berlin-Zehlendorf, Germany, assignor, by mesne assignments, to Krebs Pigments & Color Corporation. Manufacturing titanium oxide suitable for use as a pigment. 19,594; May 28.
National-Superior Company, The. (See Archer, Merton T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baum, Frank G., assignor.)
Williams, Edward T., Pelham Manor, N. Y. Refrigeration apparatus. 19,595; May 28.

LIST OF PLANT PATENTEES

Armstrong Nurseries. (See Robertson, Roy, assignor.)
Buntings' Nurseries et al. (See Hartman, Edgar W., assignor.)
Hartman, Edgar W., Cashtown, Pa., assignor of one-fourth to Buntings' Nurseries, Selbyville, Del., one-fourth to Waynesboro Nurseries, Inc., Waynesboro, Va., and one-fourth to Harrison's Nurseries, Inc., Berlin, Md. Apple. 125; May 28.
Harrisons' Nurseries, Inc. et al. (See Hartman, Edgar W., assignor.)
Robertson, Roy, Redlands, assignor to Armstrong Nurseries, Ontario, Calif. Orange tree. 126; May 28.
Waynesboro Nurseries, Inc. et al. (See Hartman, Edgar W., assignor.)

LIST OF DESIGN PATENTEES

Adaire, William R., Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. 95,723; May 28.
Anderson, Harry W., Chicago, Ill. Beer coil cleaner. 95,724; May 28.
Andrews, Jerome E., Andover, Mass. Shoe. 95,725; May 28.
Andrews, P. L., Corporation. (See Andrews, Stuart M., assignor.)
Andrews, Stuart M., Brooklyn, assignor to P. L. Andrews Corporation, Glendale, Long Island, N. Y. Collapsible carton. 95,726; May 28.
Askew, Charles P., assignor to The Canton Glass Company, Marion, Ind. Fish bowl or similar article. 95,727; May 28.
Batkin, Isaac, New York, N. Y. Lamp shade. 95,728; May 28.
Baylis, A. W., Co. (See Llen, Jean L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)
Borg-Warner Corporation. (See Buchanan, John C., assignor.)
Botany Worsted Mills. (See Schumacher, Albert, assignor.)
Brown, Florence L., Chicago, Ill. Facial support. 95,729; May 28.
Buchanan, John C., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Refrigerator cabinet or similar article. 95,730; May 28.
Cahill, John J., Chicago, and E. F. McClintock, Oak Park, Ill., assignors to The Ruberoid Co., New York, N. Y. Siding. 95,731; May 28.
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Canton Glass Company, The. (See Askew, Charles P., assignor.)
Caradine, James T. (See Duntze, George D., assignor.)
Coldwell, John S. (See Morgan, J. R., and Coldwell.)
Deerfield Glassine Company. (See Scott, Norman E., assignor.)
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 95,732; May 28.
Duncan, George C., Jr., assignor to Duncan No-Noise Valve & Bowl Co., Inc., Los Angeles, Calif. Toilet. 95,733; May 28.
Duncan No-Noise Valve & Bowl Co. (See Duncan, George C., Jr., assignor.)
Duntze, George D., assignor to J. T. Caradine, St. Louis, Mo. Sign. 95,734; May 28.
Eagle Pencil Company. (See Meilner, Joseph, assignor.)
Edson, Bert, Pawtucket, R. I. Lace. 95,735; May 28.
Feldman, Morris, New York, N. Y. Knitted dress. 95,786; May 28.
Fenton, George F. (See Miller, J. M., and Fenton.)
Fishman, Jacob, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,736; May 28.
Fishman, Jacob, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. 95,737; May 28.
Fradkin, Samuel, Lewiston, Maine. Shoe. 95,738; May 28.
Francis, Lynn M., Birmingham, Mich. Smokekr's pipe. 95,739; May 28.
Franklin Simon & Co. Inc. (See Lahn, Blanche, assignor.)
Galter, Jack, Chicago, Ill. Pocket lighter. 95,740; May 28.
Garvis, Gus, Des Moines, Iowa. Barbecue machine casing. 95,741; May 28.
Gehring, Solomon & Birnbaum, Inc. (See Adaire, William R., assignor.)
Gillette Rubber Company. (See Hutchens, Ralph W., assignor.)
Globe-Union Mfg. Co. (See Morgan, J. R., and Coldwell, assignors.)
Goodhand, Oscar G., New York, N. Y. Lady's glove. 95,742; May 28.
Hadley, Harold F., Toledo, Ohio. Heater. 95,743; May 28.
Hein, Gothard G., assignor to Hein-Werner Motor Parts Corporation, Waukesha, Wis. Jack. 95,744; May 28.
Hein-Werner Motor Parts Corporation. (See Hein, Gothard G., assignor.)
Hoffmann, Wolfgang, Chicago, assignor to The W. H. Howell Company, Geneva, Ill. Chair. 95,745; May 28.
Howell, W. H., Company, The. (See Hoffmann, Wolfgang, assignor.)
Hutchens, Ralph W., assignor to Gillette Rubber Company, Eau Claire, Wis. Tire or similar article. 95,746; May 28.
Jaquith, Willard E., Syracuse, N. Y. Burial vault. 95,747; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Creamer. 95,748; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Teapot. 95,749; May 28.

Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Sugar bowl. 95,750; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Cup. 95,751; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,752; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Coffeepot. 95,753; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Creamer. 95,754; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Cooky jar. 95,755; May 28.
Kaiser, Charles, Great Neck, assignor to Morimura Bros. Inc., New York, N. Y. Teapot. 95,756; May 28.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,757; May 28.
Kleinofen, Edward, Evanston, Ill. Top spinning device. 95,758; May 28.
Lahn, Blanche, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. 95,759; May 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,760; May 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 95,761; May 28.
Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Beverage dispenser. 95,762; May 28.
Lewis, Rosemarie, Los Angeles, Calif. Vaginal syringe nozzle. 95,763; May 28.
Lien, Jean L., assignor to A. W. Baylis Co., New York, N. Y. Textile fabric or similar article. 95,764; May 28.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. 95,765; May 28.
Mann, Walter L., Phillipston, Mass. Game scoring device. 95,766; May 28.
Marks, John C., New York, N. Y. Sandal or similar article. 95,767; May 28.
Marlow, Frederick W. (See Peterkin, J. E., and Marlow.)
Marx, Louis, New York, N. Y. Toy locomotive. 95,768; May 28.
Matthews Manufacturing Company. (See Whitney, Edward E., assignor.)
McClintock, Elmer F. (See Cahill, J. J., and McClintock.)
Meilner, Joseph, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Eraser. 95,769; May 28.
Mellon, George R., Kansas City, Mo. Child's vehicle. 95,770; May 28.
Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. 95,771; May 28.
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Mondl, James V., Chicago, Ill. Decanter type bottle. 95,772; May 28.
Morimura Bros. Inc. (See Kaiser, Charles, assignor.)
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Morgan, John R., Chicago, Ill., and J. S. Coldwell, assignors to Globe-Union Mfg. Co., Milwaukee, Wis. Roller skate. 95,773; May 28.
Mross, Edward R., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Motor casing. 95,774; May 28.
Perugia, Andre, Paris, France. Shoe. 95,775; May 28.
Perugia, Andre, Paris, France. Shoe. 95,776; May 28.
Peterkin, Jessie E., and F. W. Marlow, Toronto, Ontario, Canada. Toothbrush spoon. 95,777; May 28.
Peterson, Per A., New York, N. Y. Combined knife, nail file, and pencil clip. 95,778; May 28.
Power, Richard F., Hampstead, London, England. Score sheet. 95,779; May 28.
Progressive Ring Company, The. (See Miller, J. M., and Fenton, assignors.)
Pufeles, Markus, New York, N. Y. Combination advertising display cabinet and clock. 95,780; May 28.
Ruberoid Co., The. (See Cahill, J. J., and McClintock, assignors.)
Scholnick Shoe Co. (See Fishman, Jacob, assignor.)
Schumacher, Albert, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 95,781; May 28.
Scott, Norman E., Atlantic, Mass., assignor to Deerfield Glassine Company, Inc., Monroe Bridge, Mass. Fancy paper, or similar article. 95,782; May 28.
Scovill Manufacturing Company. (See Mross, Edward R., assignor.)
Smith, Maurice A., Jeannettte, Pa. Bowl. 95,783; May 28.
Werner, Frank C., Grand Rapids, Mich. Cooky. 95,784; May 28.
Whitney, Edward E., assignor to Matthews Manufacturing Company, Worcester, Mass. Roller skate. 95,785; May 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aceves, Julius G., and E. V. Amy, New York, assignor to Amy, Aceves & King, Inc., New York, N. Y. Radio receiving system. 2,002,844; May 28.
Achille, Marco D., et al. (See Foti, Charles, assignor.)
Ackerman, William, Towners, N. Y., assignors to Mergenthaler Linotype Company. Tape perforating machine. 2,002,516; May 28.
Addressograph Company. (See Gollwitzer, Walter T., assignor.)
Addressograph Company. (See Hartley, Emmett C., assignor.)
Adlake Company, The. (See Keller, Walter E., assignor.)
Agoos Leather Companies. (See Sart, Gilbert D., assignor.)
Air Reduction Company. (See Deming, George M., assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
Aktiebolaget Kemiska Patenter. (See Nordengren, Sven G., assignor.)
Aktiebolaget Nomy. (See Janson, Carl G., assignor.)
Albersheim, Walter J., assignor to Electrical Research Products, Inc., New York, N. Y. Sound picture system. 2,003,029; May 28.
Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Apparatus for fusing powdered materials. 2,003,167; May 28.
Alexandroff, Peter, London, England, assignor to Shell Development Company, San Francisco, Calif. Road oil and preparing the same. 2,002,652; May 28.
Alfred, Clarence J., Orange, N. J., assignor to The American Sugar Refining Company, New York, N. Y. Carton. 2,002,485; May 28.
Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Centrifugal pump. 2,003,168; May 28.
Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)
Allen, Victor O., Madison, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 2,002,653; May 28.
Almaraz, Edward S., Madrid, and E. C. San Antonio, Guadalajara, Spain. Carburetor. 2,002,928; May 28.
Alterium Kredit-Aktien-Gesellschaft. (See Bartling, F., and Fricke, assignors.)
Amenta, John V., Chicago, Ill. Dental clasp. 2,003,030; May 28.
American Bemberg Corporation. (See Bauriedel, G., and Meyer-Gaus, K., assignors.)
American Bemberg Corporation. (See Hartmann, A., Hoefinghoff, Bauriedel, and Ostermann, assignors.)
American Bemberg Corporation. (See Hartmann, A., Hoefinghoff, Luchtenberg, and Kempf, assignors.)
American Bemberg Corporation. (See Hoefinghoff, W., and Hartmann, assignors.)
American Cast Iron Pipe Company, The. (See Barrington, William N., assignor.)
American Cyanamid Company. (See Kraus, Wilhelm, assignor.)
American Hardware Corporation, The. (See McKinney, James P., Jr., assignor.)
American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
American Machine and Metals, Inc. (See Stein, H., Gross, and Luci, assignors.)
American Meter Company. (See Rockafellow, Edward, assignor.)
American Morgan Company. (See Morgan, Edmund C., assignor.)
American Oxythermic Corporation. (See Fränkl, Mathias, assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Sugar Refining Company, The. (See Alfred, Clarence J., assignor.)
American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
American Telephone and Telegraph Company. (See Sturdy, William W., assignor.)
American Window Glass Company. (See Monro, William L., assignor.)
American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Amy, Aceves & King, Inc. (See Aceves, J. G., and Amy, assignors.)
Amy, Ernest V. (See Aceves, J. G., and Amy.)
Anchor Cap & Closure Corporation. (See Pahls, John J., assignor.)
Anderson, Bert J., Hammond, Ind. Saddle. 2,002,920; May 28.
Anderson, Torval J., Chicago, Ill. Window. 2,002,683; May 28.
Andren, Karl H., assignor to Artos Engineering Company, Milwaukee, Wis. Portable drilling machine. 2,002,727; May 28.
Andrew, William K., and J. B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control. 2,002,728; May 28.
Apex Electrical Manufacturing Company, The. (See Orr, William V., assignor.)
Apple, Edward M., et al., executors. (See Apple, Vincent G.)
Apple, Herbert F., et al., executors. (See Apple, Vincent G.)
Apple, Vincent G., deceased, by H. F. and E. M. Apple, and G. Darroch, executors, Dayton, Ohio. Tool for making dynamo electric machine elements. 2,002,562; May 28.
Armitage, Joseph B. (See Andrew, W. K., and Armitage.)
Armstrong, Charles E., assignor to Armstrong Heat Control Corporation, Corvallis, Oreg. Automatically controlled multiple valve for steam lines. 2,002,761; May 28.
Armstrong Heat Control Corporation. (See Armstrong, Charles E., assignor.)
Arnold, Arthur A. (See Gilbert, A. C., and Arnold.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Cigar lighter. 2,002,845; May 28.
Aronson, Louis V., Newark, N. J. Pyrophoric lighting mechanism. 2,002,846; May 28.
Arpin, Leonard G., assignor of one-half to H. C. Jelks, Fort Lauderdale, Fla. Luggage bag. 2,003,099; May 28.
Arpin, Leonard G., assignor of one-half to H. C. Jelks, Fort Lauderdale, Fla. Luggage bag. 2,003,100; May 28.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Artcraft Silk Hosiery Mills, Inc. (See Strauch, G. A., Richter, and Garrett, assignors.)
Arter Grinding Machine Company. (See Arter, H., and Fraser, assignors.)
Arter, Harry, Worcester, and W. F. Fraser, Westboro, assignors to Arter Grinding Machine Company, Worcester, Mass. Automatic grinding machine. 2,003,269; May 28.
Artos Engineering Company. (See Andren, Karl H., assignor.)
Asman, Arthur W., Lombard, Ill. Flower holder. 2,003,101; May 28.
Associated Patents, Inc. (See De Vlieg, Charles B., assignor.)
Atti, Raphael, Union City, N. J. Golf ball printing machine. 2,002,847; May 28.
Automobile Ventilation, Inc. (See Crowell, William D., assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Aynsoe, Thorkild, Bellerose, assignor to International Cement Corporation, New York, N. Y. Apparatus for making Portland cement. 2,002,972; May 28.
Badeon, Eber W., assignor to Resilent Hammer, Inc., Seattle, Wash. Electric hammer. 2,002,762; May 28.
Baer, Emanuel H. (See Ernest, William, assignor.)
Baer, Julius, Munich, Germany. Traveling set. 2,003,102; May 28.
Bailes, Bob B., Stigley, Okla. Muzzle. 2,003,229; May 28.
Bair, Edward J., New Hartford, assignor to Utica Radiator Corporation, Utica, N. Y. Heating convector. 2,002,763; May 28.
Baisch, Carl F., and J. W. White; said Baisch assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Braking mechanism. 2,002,876; May 28.
Baker, John G., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Capacitor motor. 2,003,031; May 28.
Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Antivibration boat construction. 2,002,517; May 28.
Baldwin, Frank A., Yonkers, N. Y. Armature winding machine. 2,003,169; May 28.
Baldwin, James H., New Milford, Conn. Power driven vehicle. 2,002,518; May 28.
Balke, Hans. (See Kaiser, W., and Balke.)
Ball, Albert P., assignor to Square D Company, Detroit, Mich. Electrical switch. 2,002,623; May 28.
Ballard, Milton H. (See Seely, T. H., and Ballard.)

Barber, Homer M., Reno, Nev. High vapor expansion turbine. 2,002,497; May 28.

Barks, Frank S., St. Louis, and A. P. Fox, University City, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,003,032; May 28.

Barrett, Arthur, Bellevue, Pa. Apparatus for softening water. 2,003,230; May 28.

Barrett Company, The. (See Miller, Stuart P., assignor.)

Barrington, William N., assignor to The American Cast Iron Pipe Company, Birmingham, Ala. Welding equipment and welding. 2,002,877; May 28.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 2,003,231; May 28.

Bartholomew, Robert J., Germantown, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Shuttle motion. 2,002,973; May 28.

Bartling, Friedrich, deceased, Hugling, and H. Fricke, Munich, J. Bartling, Hugling, executrix, assignors to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Preparing potassium carbonate or potassium hydroxide. 2,002,684; May 28.

Bartling, Jenny, executrix. (See Bartling, F., and Fricke.)

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake rigging. 2,002,930; May 28.

Basson, Joseph D., New York, N. Y. Projecting machine and the optical system therefor. 2,002,498; May 28.

Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Follow-up system for magnetic compasses. 2,003,270; May 28.

Bath, Cyril J., Shaker Heights, Ohio. Bulldozer. 2,002,563; May 28.

Batle, Joseph E., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Brake dum construction. 2,003,063; May 28.

Batson, Hatton N. (See Bryant, John R., assignor.)

Bauriedel, Gotthard. (See Hartmann, A., Hoefinghoff, Bauriedel, and Ostermann.)

Bauriedel, Gotthard, Barmen, and K. Meyer-Gaus, Wuppertal-Elberfeld, Germany, assignors to American Bemberg Corporation, New York, N. Y. Process of and apparatus for the production of artificial silk and the like. 2,003,170; May 28.

Bautista, Leonides S., San Francisco, Calif. "Nides" twin toy. 2,002,685; May 28.

Bayley, Colin H. (See Cambron, A., and Bayley.)

Beard, Leslie C., Jr. (See Rather, J. B., Beard, and Reiff.)

Beauchamp, Wilfred A., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,003,033; May 28.

Becker, Bernard C., York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,002,624; May 28.

Bedell, Carl E., assignor to Mesta Machine Company, Pittsburgh, Pa. Control device for rolling mills. 2,003,129; May 28.

Beeson, Arthur W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Cage for parison molds. 2,003,064; May 28.

Bedford, Arthur J., Littlestown, Pa. Machine for slitting welts. 2,002,486; May 28.

Beimann, Wilhelm, and J. Hagenbeck, Bochum, Germany. Hurdle washer. 2,003,271; May 28.

Belaef, Nikolai, assignor to E. Macleod, F. A. Morrison, C. Macleod, L. Soule, and S. A. Sargent, Jr., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Multiple pen recorder. 2,002,686; May 28.

Belber, Aaron S., Woodbury, N. J. Traveling bag. 2,002,878; May 28.

Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bozorth, R. M., and Dillinger, assignors.)

Bell Telephone Laboratories, Incorporated. (See Callahan, Vincent T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Carr, James A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kelsall, George A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Locke, George A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Norman, Nathaniel C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Werring, W. W., and Hixham, assignors.)

Beloit Iron Works. (See Berry, Earl E., assignor.)

Bender, Robert C., Davenport, Iowa. Returnable shipping container. 2,002,625; May 28.

Bendix Aviation Corporation. (See Urfer, Adolf, assignor.)

Bendix Brake Company. (See Carroll, Eugene G., assignor.)

Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Hollow articles, such as pipe fittings and the like, and making the same. 2,003,232; May 28.

Benjafield, Walter O., New York, N. Y. Lady's hand bag. 2,003,130; May 28.

Benner, Raymond C., P. H. Walker, and W. G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for manufacturing articles of bonded granules. 2,003,131; May 28.

Bennett, Charles A., Stoneville, Miss., and G. E. Gaus, Washington, D. C., dedicated to the free use of the Public. Fractionation device and method for employing the same. 2,002,974; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Manufacturing high viscosity index oils. 2,003,233; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Producing high viscosity index oils. 2,003,234; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Manufacturing high viscosity index oils. 2,003,235; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Producing high viscosity index oils. 2,003,236; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Treating mineral oils with selective solvents. 2,003,237; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Separating mineral oils. 2,003,238; May 28.

Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Separating constituents of mineral oils. 2,003,239; May 28.

Bennett, John M., Joliet, Ill. Dredge hoisting apparatus. 2,002,599; May 28.

Benson, Arthur E., Indian Orchard, assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass. Tire building drum. 2,002,687; May 28.

Bergman, Renold, Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Quick-opening can top. 2,002,564; May 28.

Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Stringing a Fourdrinier wire. 2,003,103; May 28.

Berkow, Bernhard M., Miami Beach, Fla. Hair waving appliance. 2,002,487; May 28.

Bethlehem Steel Company. (See Kinney, James A., assignor.)

Bethlehem Steel Company. (See Shimer, W. R. Kinney, and Kichline, assignors.)

Bethlehem Steel Company. (See Stevens, Richard H., assignor.)

Bethlehem Steel Company. (See Underwood, Charles E., assignor.)

Betz, William G., Hammond, Ind. Massaging device. 2,003,272; May 28.

Bickell, Charles H., trustee. (See Sparks, Stanley W., assignor.)

Bierbaum, Harry E., Long Beach, assignor to General Salt Company, Ltd., Los Angeles, Calif. Purification of halogen-containing solutions. 2,002,634; May 28.

Black, Harold S., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,002,490; May 28.

Blackhawk Manufacturing Co. (See Pfauser, Edward M., assignor.)

Blakeman, James, assignor of fifty percent to W. Kennedy, Vancouver, British Columbia, Canada. Fuel saver. 2,002,879; May 28.

Blank, Ralph R., Fremont, Nebr. Electrically controlled steam engine. 2,002,488; May 28.

Blaw-Knox Company. (See Dorfan, Morton L., assignor.)

Blaw-Knox Company. (See French, Alfred W., assignor.)

Bliss, John, assignor to C. C. Wakefield & Company, Limited, London, England. Air-line oiler. 2,003,132; May 28.

Block, Richard J., New York, N. Y., and G. R. Cowgill, Hamden, Conn., assignors to S. J. Dannenberg, New York, N. Y. Isolation of water-soluble vitamins. 2,002,519; May 28.

Brocksedt, Theophile E., San Francisco, Calif., assignor to Washington Institute of Technology, Inc. Method of and apparatus for radiodynamic steering control. 2,003,240; May 28.

Boehringer, C. F., & Soehne, G. m. b. H. (See Müller, R., Schenck, and Wirbatz, assignors.)

Brogdex Company. (See Brogden, Ernest M., assignor.)

Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Method of and apparatus for treating fruit and other articles. 2,003,275; May 28.

Boiling, Robert P., Detroit, Mich. Bake oven. 2,002,655; May 28.

Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Fluid pressure distribution system. 2,003,034; May 28.

Bone, Herbert L., Swissvale, and J. W. Logan, Jr., Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,003,035; May 28.

Bontrager, Daniel J., Portland, Oreg. Scooter. 2,002,520; May 28.

Booth, Clement and A. Strom, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,002,489; May 28.

Booth, Ralph D., Brookline, Mass., assignor of one-half to Jackson & Moreland, and one-half to Standard Oil Development Company. Utilization of high pressure gas. 2,002,565; May 28.

Borberg, Adolf, Short Hills, N. J., assignor to Dortmund Hoerder Huetten-verein Aktiengesellschaft, Dortmund, Germany. Box piling. 2,002,521; May 28.

Borden Company, The. (See Green, Lee B., assignor.)

Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High tension contact protection. 2,002,688; May 28.

Bowman, Henry V., Minneapolis, assignor to Bowman Products, Incorporated, St. Paul, Minn. Bottle crate. 2,003,133; May 28.

Bowman, Henry V., Minneapolis, assignor to Bowman Products, Incorporated, St. Paul, Minn. Bottle crate. 2,003,134; May 28.

Bowman, Henry V., Minneapolis, assignor to Bowman Products, Incorporated, St. Paul, Minn. Bottle crate. 2,003,135; May 28.

Bowman, Myrtle A., Rochester, Minn. Colostomy belt. 2,002,931; May 28.

Bowman Products, Incorporated. (See Bowman, Henry V., assignor.)

Boyce, Charles M., Cedar Rapids, Iowa, assignor to John R. Ditmars, New York, N. Y. Composition for coating sheets, fibrous stocks, and the like. 2,003,065; May 28.

Boyertown Burial Casket Company. (See Strunk, Lester N., assignor.)

Bozorth, Richard M., Short Hills, and J. F. Dillinger, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material and treating magnetic materials. 2,002,689; May 28.

Brace, Edwin T., assignor to The Buckeye Incubator Manufacturing Company, Springfield, Ohio. Humidifier. 2,002,880; May 28.

Bragg-Kliesrath Corporation. (See Sanford, Roy S., assignor.)

Brennan, Joseph B., Fort Wayne, Ind., assignor to The Magnavox Company, Chicago, Ill. Heat circulator for motor vehicles. 2,002,626; May 28.

Bretselmeider, Erich, Dresden, Germany. Track. 2,002,881; May 28.

Briggs & Stratton Corporation. (See Liss, Samuel A., assignor.)

Brillo Manufacturing Company. (See Field, Crosby, assignor.)

Brindby, Fridtjof N., Oslo, Norway. Firearm of the gas reloading type. 2,003,066; May 28.

Brooks, Winfred M., West Orange, N. J. Twisted strands and producing same. 2,002,975; May 28.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for roughing shoe parts. 2,002,522; May 28.

Brown, Alexander, New York, N. Y. Bed tray table. 2,003,241; May 28.

Brown, Charles E. (See Melott, John M., assignor.)

Brune, William H., Chicago Heights, Ill. Excavating dipper construction. 2,003,067; May 28.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Arc lamp. 2,003,104; May 28.

Bryant, John R., Springfield, Tenn., assignor of one-half to H. N. Batson, Bowling Green, Ky. Buckle. 2,002,490; May 28.

Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Preventing corrosion. 2,002,523; May 28.

Buchholtz, Herbert, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Steel for railroad rails, wheel tires, plank piles, and other objects. 2,002,932; May 28.

Buckeye Incubator Manufacturing Company, The. (See Brace, Edwin T., assignor.)

Bucklein, Frank P., Los Angeles, Calif., assignor to Bucklein Manufacturing Corporation, Ltd. Brake testing machine. 2,002,764; May 28.

Bucklein Manufacturing Corporation. (See Bucklein, Frank P., assignor.)

Budd Wheel Company. (See Farr, Warren H., assignor.)

Buell, Earl P. (See Robart, B. L., and Buell.)

Buell, Timothy B., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Tool relief mechanism. 2,002,933; May 28.

Buffalo Bolt Company. (See McLaughlin, John J., assignor.)

Bull, James P., San Diego, Calif. Target. 2,002,600; May 28.

Burger, William J. (See Lange, M. E., and Burger.)

Burrell, Edward P., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Telescope. 2,003,171; May 28.

Burt, Carleton W., Philadelphia, Pa. Geometrical instrument. 2,003,172; May 28.

Butcher, Edwin G., Wahroonga, and W. E. Jupe, Eastwood, New South Wales, Australia. Railway and tramway rail and wheel flange lubrication. 2,003,242; May 28.

Byron, Ralph, assignor to J. O. Ross Engineering Corporation, New York, N. Y. Baking oven. 2,002,976; May 28.

Cabaniss, Jelks H., et al executors. (See McWane, James B.)

Callahan, Michael J., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Protective finish. 2,003,068; May 28.

Callahan, Vincent T., Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 2,003,036; May 28.

Cambron, Adrien, and C. H. Bayley, Ottawa, Ontario, Canada. Thermal treatment of gases and vapors. 2,002,524; May 28.

Cambron, Adrien, and C. H. Bayley, Ottawa, Ontario, Canada. Thermal treatment of gases and vapors. 2,002,525; May 28.

Campbell, Lawrence W., and W. P. Watson; said Watson assignor to Ann Watson, Clarksburg, W. Va. Toothbrush. 2,003,243; May 28.

Canon, Frank A., New Brunswick, N. J., assignor to E. I. du Pont de Nemours and Company, Inc., Wilmington, Del. Oxidation process. 2,002,627; May 28.

Caplan, Benjamin, Philadelphia, Pa. Repair lining for shoes. 2,003,105; May 28.

Caputo, James V., Crafton, Pa. Frequency control system for electric welders. 2,003,136; May 28.

Carboni, Ralph J., New Orleans, La. Combined advertising and display device. 2,003,244; May 28.

Carborundum Company, The. (See Benner, R. C., Walker, and Soley, assignors.)

Carburetted Gas, Inc. (See Nagel, Theodore, assignor.)

Carey, Charles O., Miami, Fla. Device for restoring the lay to twisted textile lines. 2,003,245; May 28.

Carlotti, Charles F., Brussels, Belgium. Windscreen. 2,003,106; May 28.

Carlston, Henry F., Daly City, Calif. Pincushion advertising device. 2,002,766; May 28.

Caro, Nikodem, Berlin-Dahlem, A. R. Frank, Berlin-Halensee, and H. H. Franck, Berlin-Charlottenburg, Germany. Production of calcium carbamate. 2,002,656; May 28.

Carpenter, James W., assignor to The McKay Company, Pittsburgh, Pa. Chair. 2,002,765; May 28.

Carr, Charles W., Lancaster, N. H. Window fastener. 2,003,246; May 28.

Carr, James A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dynamometer. 2,002,977; May 28.

Carroll, Eugene G., Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Hydraulic brake apparatus. 2,003,247; May 28.

Carter, Frederick S., Cardiff, Wales. Steam trap, and apparatus for controlling or maintaining the supply of water or other fluid. 2,003,069; May 28.

Carter, Herbert F., Roselle Park, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating moving matter. 2,002,690; May 28.

Catto, Albert R. (See Harper, G. W., and Catto.)

Celander, Philip A., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigeration cabinet. 2,003,274; May 28.

Certain-Teed Products Corporation. (See Hoggatt, Gilbert A., assignor.)

Chalmers, James. (See Elliott, J., and Chalmers.)

Chambers, Isaac M., Altoona, Pa. Door operating mechanism. 2,003,037; May 28.

Chance, Albert B., Centralia, Mo. Earth anchor. 2,002,628; May 28.

Chant, Christopher W. (See French, H., and Welbeloved, assignors.)

Chappell, Marvin L., Watson, Calif. Producing motor fuels from hydrocarbon oils. 2,002,729; May 28.

Chemical Foundation, Inc., The. (See Osterberg, Arnold E., assignor.)

"Chemical Works formerly Sandoz". (See Kreis, Walter, assignor.)

Chilowsky, Constantin, Paris, France. Control of glare shields of vehicles. 2,003,248; May 28.

Christie, Hans L., Los Angeles, Calif. Floating fish trap. 2,002,882; May 28.

Chrysler Corporation. (See Spurr, Robert E., assignor.)

Ciba Products Corporation. (See Gams, A., and Frey, assignors.)

Cincinnati Grinders Incorporated. (See Booth, C., and Strom, assignors.)

Cincinnati Grinders Incorporated. (See Nenninger, Lester F., assignor.)

Cincinnati Milling Machine Company, The. (See Isler, Herman R., assignor.)

Cincinnati Milling Machine Company, The. (See Romaine, M., and Roehm, assignors.)

Clark, Jesse H., Cicero, assignor to Walker Dishwasher Corporation, Chicago, Ill. Fluid valve. 2,003,173; May 28.

Claude Neon Electrical Products Corporation. (See Erickson, Ellis O., assignor.)

Claude Neon Electrical Products Corporation. (See Hyde, R. C., and Erickson, assignors.)

Clay, Oscar, South Bend, Ind. Caster. 2,003,249; May 28.

Cleveland Cliffs Iron Company, The. (See Olson, Edgar T., assignor.)

Cline, Charles T. (See Melling, Joseph, assignor.)

Clutter, Bird C. (See Ginasner, Joseph J., assignor.)

Cobb, Henry Z., Providence, and R. S. Francis, Rumford, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Spindle drive mechanism. 2,002,629; May 28.

Coberly, Clarence J. (See Mendenhall, E., Van Horn, and Coberly.)

Cofrin, Austin E., Green Bay, Wis. Folded napkin. 2,002,691; May 28.

Cohen, Harry, Gallon, assignor to The Perfection Steel Body Company, Gallon, Ohio. Producing finishes imitative of stone. 2,002,848; May 28.

Cohen, Harry, assignor to The Perfection Steel Body Company, Gallon, Ohio. Masking apparatus for finishing articles of manufacture. 2,002,849; May 28.

Cohen, Moses, et al. (See Wallace, Alexander, assignor.)

Collins, Carl F., Winterhaven, Fla. Truck. 2,003,038; May 28.
Collins, George R., Kansas City, Mo. Building construction. 2,002,934; May 28.
Colt, Samuel S., Orange, N. J. Concrete form holding means. 2,002,526; May 28.
Columbia Axle Company, The. (See Harper, G. W., and Catto, assignors.)
Conigrave, Mostyn R., Subiaco, Western Australia, Australia. Hanger for supporting towels, cloths, and other articles. 2,002,566; May 28.
Connecticut Telephone & Electric Corporation. (See Garrigues, Frederic L., assignor.)
Connor, Kirke W., assignor to Micromatic Hone Corporation, Detroit, Mich. Honing tool. 2,002,567; May 28.
Consolidated Safety Pin Company. (See Richter, George F., assignor.)
Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)
Continental Motors Corporation. (See Hartley, Alfred J., assignor.)
Cooper, Jesse E., assignor, by mesne assignments, to National Venetian Blind Co., Los Angeles, Calif. Venetian blind. 2,003,174; May 28.
Corning Glass Works. (See Leibig, Edward C., assignor.)
Corning Glass Works. (See Woods, William J., assignor.)
Correll, William K., Jackson, Miss. Windshield wiper. 2,002,657; May 28.
Coubrough, George B., Long Beach, Calif., assignor to The Lummus Company, New York, N. Y. Condensing petroleum fractions. 2,002,731; May 28.
Cowgill, George R., (See Block, R. J., and Cowgill.)
Creative Displays, Inc. (See Ferrill, Harve, assignor.)
Cross, Frank L., Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass. Paper feeding machine. 2,002,850; May 28.
Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
Crossen, Robert W., Jr., Plainfield, assignor to Farrell Manufacturing Company, Joliet, Ill. Safety means for tanks. 2,002,935; May 28.
Crossley, Alfred, and H. E. Meinema, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill. High-frequency coupling device. 2,002,500; May 28.
Crowell, William D., St. Louis, Mo., assignor to Automobile Ventilation, Inc., Detroit, Mich. Ventilating apparatus for vehicle bodies. 2,002,730; May 28.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 2,003,089; May 28.
Culp, Jay S., assignor to Monarch Governor Company, Detroit, Mich. Carburetor. 2,002,732; May 28.
Cummings, William P., Woodside, N. Y. Reenforced concrete construction slab. 2,003,251; May 28.
Curtiss Aerocar Company. (See Robinson, Harold H., assignor.)
Curtiss Aeroplane & Motor Company. (See Hathorn, Charles E., assignor.)
Curtiss Candy Company, The. (See Karasik, Samuel, assignor.)
Cutler-Hammer, Inc. (See Kollath, Francis C., assignor.)
Dahl, Edward T., Randolph, Mass., assignor by mesne assignments, to E. Macleod, Westwood, F. A. Morrison, Newton, Mass., C. Macleod, Berwyn, Pa., L. Soule, Dedham, S. A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Control mechanism. 2,002,692; May 28.
Dahl, Edward T., Randolph, Mass., assignor by mesne assignments, to E. Macleod, Westwood, F. A. Morrison, Newton, Mass., C. Macleod, Berwyn, Pa., L. Soule, Dedham, S. A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Draft control. 2,002,693; May 28.
Dales, Benton. (See Williams, I., and Dales.)
Daly, Loretta M., Pittsfield, Mass., assignor to General Eletric Company. Electric heater. 2,003,175; May 28.
Daly, Loretta M., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 2,003,176; May 28.
Dannenberg, Simon J. (See Block, R. J., and Cowgill, assignors.)
Darman, Joseph, assignor to Utica Towel Cabinet Corp., Utica, N. Y. Towel vending cabinet. 2,002,568; May 28.
Darroch, Gourley, et al., executors. (See Apple, Vincent G.)
Davenport, Frank A. (See Willshaw, H., and Davenport.)
Davies, Charles, New York, N. Y. Filter. 2,002,936; May 28.
Davis, Edward W., Minneapolis, Minn. Apparatus for concentrating ores. 2,002,978; May 28.
Day, Leonard, New York, N. Y., assignor to Polytechnic Development Corporation. Producing uniform motion in a sound film. 2,003,276; May 28.
Dayton Rubber Manufacturing Company, The. (See Kremer, Edward H., assignor.)
Deere, John, Tractor Company. (See Lesser, Nathan, assignor.)
Defiance Spark Plugs, Inc. (See Dutterer, Rex J. L., assignor.)
De Flores, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,003,137; May 28.
De Fries, Walter, assignor to The William B. Pollock Company, Youngstown, Ohio. Metallic structure and making the same. 2,003,138; May 28.
Dehn, George J., Chicago, Ill. Grease trap. 2,003,139; May 28.
Dehn, George J., Chicago, Ill., Grease trap. 2,003,140; May 28.
De Lange, Hendrik B. M., Nijmegen, Netherlands. Track shifting device. 2,003,252; May 28.
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Seat leak indicator for pressure regulators. 2,002,883; May 28.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas regulator. 2,002,884; May 28.
Denbow, Clarence E. (See Voke, C. E., and Denbow.)
Dennis, William J., Chicago, Ill. Weather strip. 2,002,569; May 28.
De Saint-Martin, Charles V., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Plow for electrical signaling of railways. 2,003,209; May 28.
Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wiring apparatus. 2,002,491; May 28.
Dess, Ben, Chicago, Ill. Cigarette lighter. 2,002,492; May 28.
Detwiler, James G., New York, N. Y., T. C. Heisig, Bayonne, J. E. Rosnell, Bound Brook, N. J. and F. W. Hall, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Textile fiber spraying oils. 2,002,885; May 28.
Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. (See Quenfurth, Wilhelm, assignor.)
Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. (See Wiesler, Karl, assignor.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Schrauth, Walther, assignor.)
Deutsch, Joseph B., Boulder City, Nev. Pie cutter. 2,003,253; May 28.
De Vlieg, Charles B., Jackson, Mich. assignor to Associated Patents, Inc., Cincinnati, Ohio. Backlash remover. 2,002,991; May 28.
Diamond Match Company, The. (See Farrelly, Joseph, assignor.)
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Piston. 2,003,071; May 28.
Dictaphone Corporation. (See Renholdt, John E., assignor.)
Dillinger, Joy F. (See Bozorth, R. M., and Dillinger.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Shift control for telegraph printers. 2,003,177; May 28.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. 2,003,040; May 28.
Ditmars, John R. (See Boyce, Charles M., assignor.)
Divney, Raymond P., assignor to The Perfection Steel Body Company, Galion, Ohio. Extension axle unit for trucks. 2,002,851; May 28.
Divney, Raymond P., assignor to The Perfection Steel Body Company, Galion, Ohio. Third axle unit for trucks. 2,002,852; May 28.
Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,003,107; May 28.
Dodge, Adiel Y., South Bend, Ind. Variable speed transmission. 2,003,108; May 28.
Donahue, A. J., Corporation. (See Jacobs, Joseph, assignor.)
Donato, Giuseppe, Philadelphia, Pa. Combination writing implement. 2,002,501; May 28.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Television method and apparatus. 2,002,992; May 28.
Donovan, Joseph L., Duluth, Minn. Jar or bottle holder. 2,002,767; May 28.
Dorfan, Morton L., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Apparatus for separating granular material. 2,003,141; May 28.
Döring, Fritz. (See Müller, K., Döring, and Wantosch.)
Dorogi, István and L., assignors to Magyar Ruggyantaarugyár Részvénytársaság, Budapest, Hungary. Securing a preformed and continuous sheet of unvulcanized rubber to a portion of a fabric upper. 2,002,527; May 28.
Dorogi, Lajos. (See Dorogi, István, and L.)
Dorr Company, The. (See Lund, Nels B., assignor.)
Dortmund Hoerder Huettenverein Aktiengesellschaft. (See Borberg, Adolf, assignor.)
Douglas, Harry A., Bronson, Mich. Swaging machine. 2,002,502; May 28.
Douglas, Harry A., Bronson, Mich. Aeroplane steering mechanism. 2,002,528; May 28.
Dowsett, Harry M., Winchmore Hill, London, England, assignor to Radio Corporation of America. Television system. 2,002,937; May 28.
Drexel, Adolph E., Palatka, Fla. X-ray cassette. 2,003,254; May 28.
Driver, John M., Wynnewood, Pa. Container. 2,003,182; May 28.
Drug Products Co. Inc., The. (See Torigian, John, assignor.)
Duby, John F., Boston, Mass. Vehicle steering arm gauge. 2,003,178; May 28.

Duff, Elmo E., Jennings, Okla. Wire line shock absorber. 2,003,255; May 28.
Dumser, Leo A., and O. W. Floody, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,002,938; May 28.
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Duplan Silk Corporation. (See Lewin, I., and Geier, assignors.)
Dunlop Tire and Rubber Corporation. (See Willshaw, H., and Davenport, assignors.)
Du Pont, E. I., de Nemours & Company. (See Callahan, Michael J., assignor.)
Du Pont, E. I., de Nemours and Company. (See Canon, Frank A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Williams, assignors.)
Du Pont, E. I., de Nemours & Company. (See Spiegler, Louis, assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Dales, assignors.)
Durafer (Inc.). (See Sargent, William D., assignor.)
Duraloy Company, The. (See Menough, Paul S., assignor.)
Dutterer, Rex J. L., assignor to Defiance Spark Plugs, Inc., Toledo, Ohio. Spark plug. 2,002,529; May 28.
Eagle Foundry Company. (See Fischer, Henry L., assignor.)
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 2,003,041; May 28.
Earle, Francis, assignor to The Mearl Corporation, Montclair, N. J. Screen for receiving projected images. 2,002,733; May 28.
Eastwood-Nealley Corporation. (See Specht, Harry G., assignor.)
Eaton Detroit Metal Company. (See Halkett, James N., assignor.)
Eckhard, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, Permanent Trustee. Gripper mechanism. 2,002,853; May 28.
Eckhouse, Edgar A., Cleveland Heights, Ohio. Shampoo fixture. 2,002,630; May 28.
Edson, Frank H., Westfield, N. J., assignor to Standard Oil Development Company. Recycling process for cracking oil. 2,002,530; May 28.
Edwards, William F. M., London, and R. F. May, Middlesex, assignors to Filter Tips Limited, London, England. Apparatus for the production of cigarettes. 2,002,886; May 28.
Ehrick, William F., and R. A. Garverick, assignors to The Marion Steel Body Company, Marion, Ohio. Refuse-collection device. 2,002,993; May 28.
Elnson-Freeman Co. (See Elnson, Morris M., assignor.)
Elnson, Morris M., Yonkers, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Display container or receptacle. 2,002,493; May 28.
Elsenberg, William, Minneapolis, Minn. Cigarette holder. 2,002,494; May 28.
Electric Furnace, The. (See Vaughan, Arthur H., assignor.)
Electrical Research Products, Inc. (See Albersheim, Walter J., assignor.)
Electrolux Corporation. (See Lynger, Erik S., assignor.)
Electrolux Servel Corporation. (See Maluri, Guido, assignor.)
Elliett, E. Vernon, Pocahontas, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit breaker system. 2,003,042; May 28.
Elliett, E. Vernon, Pocahontas, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit breaker system. 2,003,043; May 28.
Ellington, Paul B. (See Potts, C. M., and Ellington.)
Elliott, Joseph, and J. Chalmers, Winnipeg, Manitoba, Canada. Coupler. 2,002,658; May 28.
Elster, Ernst, Vienna, Austria. Automatically acting ski fastening. 2,002,694; May 28.
Endowment Foundation. (See McLean, H. C., and Weber, assignors.)
Engle, George D., Logan, Ohio. Safety device. 2,003,256; May 28.
Erickson, Ellis, O. (See Hyde, R. C., and Erickson.)
Erickson, Ellis O., Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Producing hot cathode tubes. 2,002,768; May 28.
Erickson, Ellis O., Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Electrical control circuit. 2,002,769; May 28.
Ernest, William, Martinez, assignor of one-half to E. H. Boer, Associated, Calif. Stencil and marking ink. 2,002,939; May 28.
Esselen, Gustavus J. (See Parkhurst, F. A., and Esselen.)
Estate Stove Company, The. (See Kuhn, Bertrand B., assignor.)
Estey, J. Royden, et al. (See Fisher, Franklin C., assignor.)
Ewing, Hugh W., Chicago, Ill. Incinerator control. 2,002,659; May 28.
Eynon, Thomas A., Scranton, Pa. Puzzle frame. 2,003,072; May 28.
Faber, Guy S., assignor to General Regulator Corporation, Chicago, Ill. Propeller. 2,003,073; May 28.
Fageol, Frank R. and W. B., Kent, Ohio. Fare collection method and apparatus. 2,003,257; May 28.
Fageol, William B. (See Fageol, Frank R., and W. B.)
Fain, Jacob M. (See Hixson, A. W., and Fain.)
Fairbanks, Morse & Co. (See Lack, Arnold S., assignor.)
Fairbanks, Morse & Co. (See Straube, Raymond C., assignor.)
Falk, Stig L. E., Vasterns, Sweden. Apparatus for the determination of Brinell numbers. 2,002,495; May 28.
Faltlhauser, Willy. (See Remy, Rudolf, assignor.)
Faries, Robert, St. Davids, and J. B. McWilliams, Pittsburgh, Pa. Shipping container. 2,002,570; May 28.
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system. 2,003,110; May 28.
Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel structure. 2,003,109; May 28.
Farrell Manufacturing Company. (See Crossen, Robert W., Jr., assignor.)
Farrelly, Joseph, Pelham, assignor to The Diamond Match Company, New York, N. Y. Advertising book matches and the like. 2,002,571; May 28.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Magnetic compass. 2,003,179; May 28.
Fedders Manufacturing Company. (See Przyborowski, Stanislaus, assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Ferguson, Robert W., Trenton, and H. P. Sparkes, Newark, N. J., assignor of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and one-half to The Star Porcelain Company, Trenton, N. J. Frangible seal. 2,003,183; May 28.
Ferrill, Harve, assignor to Creative Displays, Inc., Chicago, Ill. Display article and producing the same. 2,002,734; May 28.
Fiberloid Corporation, The. (See Parkhurst, F. A., and Esselen, assignors.)
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Wire testing machine and method. 2,002,770; May 28.
Filter Tips Limited. (See Edwards, W. F. M., and May, assignors.)
Fiondella, Jean A., East Haven, Conn. Game. 2,002,631; May 28.
Firth, Cyril. (See Mirfield, G. E., Lewis, Firth, and Neale.)
Fischer, Henry L., East St. Louis, assignor to Eagle Foundry Company, Belleville, Ill. Oil burner. 2,003,111; May 28.
Fisher, Franklin C., Los Angeles, assignor of twenty per cent to A. W. Knight, San Marino, twenty per cent to W. R. Freeman, twenty per cent to L. B. Girard, Los Angeles, and twenty per cent to J. R. Estey, South Pasadena, Calif. Clutch. 2,002,979; May 28.
Fisher, Joseph S., New York, N. Y. Advertising calendar. 2,003,142; May 28.
Fisk, Gustaf L., Pittsburgh, assignor to Mesta Machine Company, Homestead, Pa. Rolling mill. 2,002,531; May 28.
Fisk Rubber Corporation, The. (See Benson, Arthur E., assignor.)
Flatley, Richard E., Elizabeth, N. J., assignor to Standard Oil Development Company. Thermocouple. 2,002,532; May 28.
Fletcher Works, Incorporated. (See Bartholomew, Robert J., assignor.)
Floody, Oscar W. (See Dumser, L. A., and Floody.)
Flory, Tom W., Ottawa, Kans. Route file. 2,002,887; May 28.
Folmer Graflex Corporation. (See Hinelline, Edson S., assignor.)
Food Machinery Corporation. (See Sharma, Jagan N., assignor.)
Food Machinery Corporation. (See Vickery, George P., assignor.)
Foothorap, Harry A., Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Control mechanism for typewriting machines. 2,002,695; May 28.
Forbes, Thomas C., Hopkins, and O. R. Hedberg, Minneapolis, Minn. Minnow pail. 2,002,572; May 28.
Ford Instrument Company. (See Rothwell, J. J., Jr., and Stuart, assignors.)
Foss, Benjamin Q. P., deceased, by C. G. Foss, executrix, San Francisco, said B. Q. P. Foss assignor of sixty per cent to L. McDonald, Bakersfield, Calif. Burner. 2,002,660; May 28.
Foss, Clarinda G., executrix. (See Foss, Benjamin Q. P.)
Foti, Charles, assignor of one-third to J. Speranza, and one-third to M. D. Achille, Arnold, Pa. Direction signal for automobiles. 2,002,503; May 28.
Fox, Alexander P. (See Barks, F. S., and Fox.)
Francis, Raymond S. (See Cobb, H. Z., and Francis.)
Franck, Hans Heinrich. (See Caro, N., Frank, and Franck.)

Frank, Albert R. (See Caro, N., Frank, and Franck.)
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Resolution of gas mixtures. 2,002,940; May 28.
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Separating gas mixtures. 2,002,941; May 28.
Fraser, Warren F. (See Arter, H., and Fraser.)
Freeman, Horace, Montreal, Quebec, Canada, assignor to Nichols Engineering & Research Corporation of Canada, Limited. Roasting sulphide ore. 2,002,496; May 28.
Freeman, Washington R., et al. (See Fisher, Franklin C., assignor.)
French, Alfred W., Chicago, Ill., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Machine for paving highways. 2,002,661; May 28.
French, Hartly, and W. F. Welbelored, assignors to C. W. Chant, Toronto, Ontario, Canada. Sealing compound for pneumatic tires and making the same. 2,003,112; May 28.
Fricke, Hermann. (See Bartling, F., and Fricke.)
Friedberg, Leo, New Brunswick, N. J. Flashing. 2,002,810; May 28.
Friedrich, Wilhelm, Berlin-Lichterfelde, Germany. Producing foam for fire extinction. 2,003,184; May 28.
Frolich, Per K., Cambridge, Mass., and J. W. Pugh, Breckenridge, Tex., assignors to Standard Oil Development Company. Separation of hydrocarbons and their oxygen-containing derivatives. 2,002,533; May 28.
Frolich, Per K., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of normally liquid hydrocarbons from gaseous or lower boiling hydrocarbon materials. 2,002,534; May 28.
Frey, Karl. (See Gams, A., and Frey.)
Fuchs, Carl, Mergelstetten, near Heidenheim-on-the-Brenz, Germany. Adjustable blade runner. 2,002,735; May 28.
Fulton Company, The. (See Grotenbuis, William J., assignor.)
Fulton Company, The. (See Thorp, Joel R., assignor.)
Gage, Benjamin E., assignor to Kellogg Huntington, Evanston, Ill. Golf playing field. 2,003,074; May 28.
Gagnier, George E., Detroit, Mich. Grip for handles. 2,002,535; May 28.
Galante, Antonio, Medford, Mass. Dispensing cabinet. 2,003,044; May 28.
Gams, Alphonse and K. Frey, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Synthetic resins and making same. 2,002,601; May 28.
Gardiner, Herman B., assignor of forty-nine per cent to Harry J. Lurie, Chicago, Ill. Operating mechanism for motion picture projectors and phonographs. 2,003,075; May 28.
Garverick, Ralph A. (See Ehrick, W. F., and Garverick.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Ornamental toe reenforcement for stockings. 2,002,888; May 28.
Gaus, George E. (See Bennett, C. A., and Gaus.)
Geer, Paul L., Bellevue, H. A. Moore, Wilkinsburg, and W. A. Morton, Pittsburgh, Pa. Suction glass gathering device. 2,002,889; May 28.
Geier, Conrad W. (See Lewin, I. and Geier.)
General Aniline Works, Inc. (See Neelmeier, W., and Meiser, assignors.)
General Aniline Works, Inc. (See Orthner, L., and Keppler, assignors.)
General Electric Company. (See Alexander, Peter P., assignor.)
General Electric Company. (See Daly, Loretta M., assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Holm-Hansen, Osmund, assignor.)
General Electric Company Limited, The. (See Ryde, John W., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Regulator Corporation. (See Faber, Guy S., assignor.)
General Salt Company. (See Bierbaum, Harry E., assignor.)
Gensecke, Wilhelm, Gonzenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Heat treatment of oils and fats, more particularly for the purpose of bleaching and hardening same. 2,003,076; May 28.
George, Enoch, Jr. (See Regan, W. J., and George, Jr.)
Gerlich, Hermann E. G. T., Bexley, Kent, England. Riffling machine. 2,003,185; May 28.
Gibson Refrigerator Company. (See Smith, Russell T., assignor.)
Gieskieng, Marion W., Denver, Colo., assignor to Radio Corporation of America, New York, N. Y. Telephony. 2,002,942; May 28.
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
Gilbert, A. C., Company, The. (See Gilbert, A. C., and Arnold, assignors.)
Gilbert, Alfred C., North Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Truck for toy locomotive. 2,003,258; May 28.
Gilbert, Alfred C., North Haven, and A. A. Arnold, New Haven, assignors to The A. C. Gilbert Company, New Haven, Conn. Kitchen utility device. 2,003,259; May 28.
Gilbert, William L., Clock Company. (See Jauch, Christian, assignor.)
Gilpin, Garth G., Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill. Buffer spring for railway passenger cars. 2,002,632; May 28.
Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Gondola car roof. 2,003,113; May 28.
Girard, Louis B., et al. (See Fisher, Franklin C., assignor.)
Glassner, Joseph J., assignor of one-half to B. C. Clutter, Akron, Ohio. Scraper. 2,003,180; May 28.
Glezen, William M., Detroit, Mich. Shock absorber. 2,002,980; May 28.
Globe Brick Company, The. (See Porter, Sidney C., assignor.)
Globe Machinery & Supply Company. (See Johnston, Frank R., assignor.)
Goddemeyer, Eduard, Lippstadt, Germany. Suspensible clew holder for thread or the like. 2,003,143; May 28.
Goldsmith, Samuel J., Chicago, Ill. Garment protector. 2,003,114; May 28.
Gollwitzer, Walter T., assignor to Addressograph Company, Chicago, Ill. Printing machine. 2,002,771; May 28.
Gollwitzer, Walter T., assignor to Addressograph Company, Chicago, Ill. Printing machine. 2,002,772; May 28.
Gollwitzer, Walter T., assignor to Addressograph Company, Chicago, Ill. Printing machine. 2,002,773; May 28.
Good, Francis R., Wynnewood, assignor of fifty one-hundredths to F. H. Shaw, Glenside, Pa. Automobile radio device. 2,003,187; May 28.
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Goodrich B. F., Company, The. (See Griffiths, Roy H., assignor.)
Gould Coupler Company, The. (See Richards, Willard F., assignor.)
Graham, Frank F., Jr., Cardiff, Md. Broaching tool. 2,003,144; May 28.
Graham, George A., and G. O. Tapper, Fort Monmouth, Oceanport, N. J. Telephone handset switch. 2,002,504; May 28.
Graubner, Herman G., New York, N. Y., assignor to National Carbon Company, Inc. Flash light of candle type. 2,002,602; May 28.
Grauer, John, Whitestone, N. Y. Game apparatus. 2,003,145; May 28.
Gray, George W. (See Levy, S. I., and Gray.)
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Program distribution system. 2,002,603; May 28.
Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Control for gyrator-type washing machines. 2,002,573; May 28.
Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Circuit controller. 2,003,260; May 28.
Greenberg, Louis, Chicago, Ill. Mechanical movement. 2,002,890; May 28.
Greene, Thomas P., Obion, Tenn. Machine for papering houses, etc., and for washing windows. 2,002,633; May 28.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Griffiths, Roy H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot water heater for automobiles. 2,003,045; May 28.
Grohn, Henry P., Chicago, Ill. Load limiting device. 2,003,115; May 28.
Gross, Carl G. (See Stein, H., Gross, and Luck.)
Grotenbuis, William J., Chicago, Ill., assignor to The Fulton Company, West Allis, Wis. Windshield. 2,002,736; May 28.
Groth, Gustav C., Watertown, Wis. Scroll. 2,002,697; May 28.
Gruse, William A. (See Martin, S. M., Jr., and Gruse.)
Gubring, Eugen. (See Hagedorn, M., Reichert, and Gubring.)
Gulf Refining Company. (See Martin, S. M., Jr., and Gruse, assignors.)
Gurley, Thomas J. (See North, S. N., and Gurley.)
Gurney Elevator Co., The. (See Rubin, Samuel N., assignor.)
Gutberlett, Helmut, Wuppertal-Barmen, Germany. Apparatus for arranging the fastener members of sliding-clasp fasteners in rows. 2,003,146; May 28.
Hadley, Edwin J., Brooklyn, N. Y. Selective transmission for motion picture and sound projectors. 2,002,854; May 28.
Hagedorn, Max, Dessau in Anhalt, O. Reichert, Dessau-Ziebigk in Anhalt and E. Gubring, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose derivatives containing an inorganic substituent. 2,002,811; May 28.
Hagenbeck, Johann. (See Reimann, W., and Hagenbeck.)

Halkett, James N., Cleveland Heights, assignor, by mesne assignments, to Eaton Detroit Metal Company, Cleveland, Ohio. Closure. 2,003,046; May 28.
Hall, Everett J., H. L. Hall, executrix of said E. J. Hall, deceased, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Bronze, bronze powders, and making the same. 2,002,891; May 28.
Hall, Frank W. (See Detwiler, J. G., Heisig, Rosnell, and Hall.)
Hall, Harriet L., executrix. (See Hall, Everett J.)
Halladay, Joseph R., Alliance, Ohio, assignor to James R. Kearney Corporation, St. Louis, Mo. Wire connecter tool. 2,002,981; May 28.
Hammer, Sigwald M., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Power supply circuit. 2,002,774; May 28.
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Hammond, Laurens, assignor to The Hammond Clock Company, Chicago, Ill. Electric clock motor. 2,003,116; May 28.
Hanna, Clinton R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photophone apparatus. 2,003,048; May 28.
Hansen, John, Bettendorf, Iowa. Producing cutter blades for slicing machines. 2,002,812; May 28.
Hardcastle, Jess, et al. (See King, Walter E., assignor.)
Harper, George W., and A. R. Catto, assignor to The Columbia Axle Company, Cleveland, Ohio. Brake for automotive vehicles. 2,002,813; May 28.
Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)
Harrold, Charles W., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Printing press. 2,002,814; May 28.
Harrold, Charles W., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Dampening mechanism for printing-presses. 2,002,815; May 28.
Hart, George T., Jr., and E. E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Area measuring machine. 2,002,574; May 28.
Hartley, Alfred J., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 2,002,943; May 28.
Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 2,002,737; May 28.
Hartmann, August. (See Hoefinghoff, W., and Hartmann, assignors.)
Hartmann, August, Berlin-Lichterfelde, W. Hoefinghoff, Hohenlimburg Obernahmer, and G. Bauriedel and W. Ostermann, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Continue process and apparatus. 2,002,994; May 28.
Hartmann, August, Berlin-Lichterfelde, W. Hoefinghoff, Hohenlimburg Obernahmer, and A. Luchtenberg and H. Kempf, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Continue process and apparatus. 2,002,995; May 28.
Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Access opening for use in aircraft construction. 2,002,944; May 28.
Hauer, Arthur W., Cicero, Ill. Toe protector. 2,002,662; May 28.
Haug, Richard J., Nashua, N. H. Storm window and screen hanger. 2,002,738; May 28.
Hazel-Atlas Glass Company. (See Beeson, Arthur W., assignor.)
Hazel-Atlast Glass Co. (See Stenhouse, Thomas, assignor.)
Heckert, Ernest L. (See Thomas, William S., assignor.)
Hedberg, Oscar R. (See Forbes, T. C., and Hedberg.)
Heid, Frank P., Erie, Pa. Gauge. 2,003,188; May 28.
Heideman, Frederick J., Rochester, N. Y. Compressor unit. 2,002,575; May 28.
Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Stocking made in a single operation and making same. 2,003,189; May 28.
Heisig, Theodore C. (See Detwiler, J. G., Heisig, Rosnell, and Hall.
Henninger, Andrew F., Jr., Chicago, Ill. Cathode glow-lamp. 2,002,775; May 28.
Henton, Stuart C., Akron, and M. B. Rankin, Cuyahoga Falls, Ohio. Control system. 2,003,047; May 28.
Heppenstall, Thomas E., Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo. Material testing apparatus. 2,003,077; May 28.
Hercules Powder Company. (See Rankin, Lanning P., assignor.)
Herkenberg, Karl, Oberbarmen-Heckinghausen, Germany. Extensible electric conductor. 2,002,739; May 28.
Herold, Paul, and H. Kaufmann, Leuna, Germany, assignors to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous material. 2,002,997; May 28.
Hewitt, Ellis E., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 2,002,892; May 28.
Hickey, Henri J., Los Angeles, Calif. Internal combustion engine. 2,002,663; May 28.
Hild, Frederic W., Los Angeles, Calif. Drilling machine. 2,003,078; May 28.
Hild, Frederick W., Denver, Colo. Drilling machine. 2,003,079; May 28.
Hildenbrand, Glenn W. (See Parks, R. D., and Hildenbrand.)
Hiler, Edward E., Bloomfield, N. J. Electric wave amplifying system. 2,002,855; May 28.
Hineline, Edson S., assignor to Folmer Graflex Corporation, Rochester, N. Y. Apparatus for making contact prints or enlargements from developed negatives. 2,003,190; May 28.
Hinrichs, Wilhelm J. H., Hamburg, and H. Wittkowski, Lockstedt-Niendorf, near Hamburg, Germany. Preserving fruit. 2,003,191; May 28.
Hinrichs, Wilhelm J. H., Hamburg, and H. Wittkowski, Lockstedt-Niendorf, near Hamburg, Germany. Producing moistureproof and air tight coatings. 2,003,192; May 28.
Hirose, Yuzaburo, Los Angeles, Calif. Toy. 2,003,193; May 28.
Hixson, Arthur W., Leonia, N. J., and J. M. Fain, Brooklyn, N. Y. Preparation of emulsions of thermoplastic materials. 2,002,505; May 28.
Hochstetter, Frederick W., Pittsburgh, Pa., assignor to Treesdale Laboratories, Inc. Compounding flame and waterproofing compositions for aqueous cellulosic media. 2,003,148; May 28.
Hoe, R., & Co. (See Eckhard, William K., assignor.)
Hoefinghoff, Walter. (See Hartmann, A., Hoefinghoff, Bauriedel, and Ostermann.)
Hoefinghoff, Walter. (See Hartmann, A., Hoefinghoff, Luchtenberg, and Kempf.)
Hoefinghoff, Walter, Hohenlimburg, Obernahmer, and A. Hartmann, Berlin-Lichterfelde, Germany, assignors to American Bemberg Corporation, New York, N. Y. Continue process and apparatus. 2,002,996; May 28.
Hoffman Combustion Engineering Company. (See Hoffman, Jerome A., assignor.)
Hoffman, Jerome A., assignor to Hoffman Combustion Engineering Company, Detroit, Mich. Heat absorbing device for the protection of stokers. 2,003,194; May 28.
Hoggatt, Gilbert A., Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y. Producing cementitious material. 2,002,945; May 28.
Hojnowski, Jakob, Nekoosa, Wis. Aeroplane. 2,002,740; May 28.
Holland, Alfred H. (See Holland, Robert A., and A. H.)
Holland, Robert A., and A. H., Winston-Salem, N. C. Extension table. 2,002,576; May 28.
Holm-Hansen, Osmund, Stratford, Conn., assignor to General Electric Company. Electric vacuum cleaner. 2,003,147; May 28.
Holt, Charles K., Santa Barbara, I. B. Marsh, Ventura, and J. B. Merritt, Santa Barbara, Calif. Drill pipe protector. 2,002,893; May 28.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanized asphalt oil and product containing it. 2,002,634; May 28.
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Klitto, William H., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Seal. 2,002,850; May 28.
Hubbell, Harvey, Incorporated. (See Von Holtz, Charles T., assignor.)
Hudson, Edwin B., Middletown, Ohio. Self-adjusting valve-operating transmission device. 2,002,982; May 28.
Hull, George K., Fredonia, N. Y. Apparatus for cutting or beveling edges of metal plates. 2,003,049; May 28.
Hunt, Emma F., Brooklyn, N. Y. Screw fastening means. 2,002,741; May 28.
Huntington, Kellogg. (See Gage, Benjamin E., assignor.)
Huston, Sanford K., Jr., Chicago, Ill. Glazing construction. 2,002,536; May 28.
Huxham, Trevor S. (See Werring, W. W., and Huxham.)
Hyde, Ralph C., Los Angeles, and E. O. Erickson, Pasadena, Calif., assignors to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Safety system for therapeutic lamps. 2,002,776; May 28.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., Reichert, and Guhring, assignors.)
Ice, Herbert H., Muskogee, Okla. Hydraulic safety pipe line repair device. 2,002,577; May 28.
I. G. Farbenindustrie Aktiengesellschaft. (See Mahn, H., Meyer, and Pfannenstiel, assignors.)
Ingersoll, Ella I. (See Tatter, John W., assignor.)
Institute of American Meat Packers. (See Regensburger, Richard W., assignor.)
International Cement Corporation. (See Aynsoe, Thorkild, assignor.)
International Projector Corporation. (See Kindelmann, A., and Ragot, assignors.)
Irving Air Chute Company Incorporated. (See Kuhlemann, Stig O. C., assignor.)
Irving Trust Company, permanent trustee. (See Eckhard, William K.)
Iselin, Harry, Racine, Wis. Beer container and cooler. 2,003,050; May 28.
Isler, Herman R., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool drive. 2,002,816; May 28.

Ivor Power Specialty Company. (See Moses, Richard I., assignor.)
Jackson, Honel A., Detroit, Mich. Welding electrode holder. 2,003,196; May 28.
Jackson, Luther M., and C. A. Prescott, Middletown, Pa. Combined cigarette dispenser and igniter. 2,003,195; May 28.
Jackson & Moreland, et al. (See Booth, Ralph D., assignor.)
Jackson, Ollie C., Bryn Mawr, Pa. Butter-molding device. 2,003,197; May 28.
Jacobs, Joseph, Bridgeport, assignor to A. J. Donahue Corporation, Milford, Conn. Buckle and making same. 2,002,946; May 28.
Jacobs, Joseph, Bridgeport, assignor to A. J. Donahue Corporation, Milford, Conn. Slide bar for men's garters. 2,002,947; May 28.
Jameson, Charles M., Pasadena, Calif. Antiback roll mechanism for cars. 2,002,857; May 28.
Janson, Carl G., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,003,080; May 28.
Jauch, Christian, assignor to W. L. Gilbert Clock Company, Winsted, Conn. Alarm clock. 2,002,998; May 28.
Jeffrey Manufacturing Company, The. (See Levin, N. D., and Lewis, assignors.)
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jelks, Howard C. (See Arpin, Leonard G., assignor.)
Jenkins, Bryan, Flemington, W. Va. Clutch brake. 2,003,198; May 28.
Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Relay for synchronizing systems. 2,002,664; May 28.
Jenler, Hubert, Zurich, Switzerland. Valve mechanism. 2,003,041; May 28.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,003,149; May 28.
Johnson, Charles, assignor to Mattison Machine Works, Rockford, Ill. Abrading machine. 2,002,665; May 28.
Johnson, Charles, and C. L. Mattison, Rockford, assignors to Mattison Machine Works, Rockford, Ill. Abrading or polishing machine. 2,002,666; May 28.
Johnson, David E., Rockford, Ill. Ornamental knob and the formation thereof. 2,002,817; May 28.
Johnson, Frank J., and G. Johnson, Glenside, Pa. Automatic coal stoker. 2,003,199; May 28.
Johnson, Frank L., Brattleboro, Vt. Rack for holding twist drills. 2,002,983; May 28.
Johnson, Gerald. (See Johnson, Frank J., and G.)
Johnson, Henry C., Colton, Calif. Service station. 2,002,777; May 28.
Johnson, Joseph E., Boston, Mass. Weather strip. 2,002,944; May 28.
Johnson Laboratories, Inc. (See Crossley, A., and Meinema, assignors.)
Johnson, Louis H., assignor to Southern Equipment Company, San Antonio, Tex. Steering device for trailers. 2,002,604; May 28.
Johnston, Frank R., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Wheel freeing attachment for automobile lifts. 2,002,578; May 28.
Jones, Clarence M., Tulsa, assignor to F. V. Maddin, Muskogee, Okla. Tank theft prevention device. 2,002,818; May 28.
Jones, Helen H., Cranston, R. I. Clasp. 2,002,999; May 28.
Jones, Joseph H., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,002,778; May 28.
Joriot, Camille, Lac-ou-Villers, France. Device for placing protective coverings automatically on the seats of water closets. 2,002,948; May 28.
Junkers & Co., Gesellschaft mit beschrankter Haftung. (See Stockmeyer, F. W., and Römmelt, assignors.)
Jupe, William E. (See Butcher, E. G., and Jupe.)
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,002,894; May 28.
Kaiser, Wilhelm, and H. Balke, Lichtenberg, Berlin, Germany, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Automatic coupling for pipe lines, electric lines on railway and other vehicles and the like. 2,003,082; May 28.
Karasik, Samuel, Oak Park, assignor to The Curtiss Candy Company, Chicago, Ill. Container. 2,002,742; May 28.
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Attachment for sewing machines. 2,003,200; May 28.
Kaufmann, Ary. (See Lee, M. L., and Kaufmann.)
Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Grease and its manufacture. 2,002,810; May 28.
Kaufmann, K., & Co. Inc. (See Lee, M. L., and Kaufmann, assignors.)
Kaufmann, Hermann. (See Herold, P., and Kaufmann.)
Kaynee Company, The. (See Oathout, Charles E., assignor.)
Kearney, James R., Corporation. (See Halladay, Joseph R., assignor.)
Kearney & Trecker Corporation. (See Andrew, W. K., and Armitage, assignors.)
Kearney & Trecker Corporation. (See Pohl, Walter M., assignor.)
Keller, Walter E., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Lock construction. 2,003,083; May 28.
Kellogg Switchboard and Supply Company. (See Hammer, Sigwald M., assignor.)
Kelly, Eugene J., Kalamazoo, Mich. Printing ink. 2,002,537; May 28.
Kelpe, Walter F., St. Louis County, assignor to Wagner Electric Corporation, St. Louis, Mo. Seal for dynamo electric machines. 2,003,000; May 28.
Kelsall, George A., Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 2,002,696; May 28.
Kelsey-Hayes Wheel Company. (See Balsch, C. F., and White, assignors.)
Kelsey-Hayes Wheel Company, The. (See Batle, Joseph E., assignor.)
Kelsey-Hayes Wheel Company, The. (See Sinclair, Charles W., assignor.)
Kempf, Hubert. (See Hartmann, A., Hoefinghoff, Luchtenberg, and Kempf.)
Kennedy, William. (See Blakeman, James, assignor.)
Kenler, Herman I., New York, N. Y. Hand bag. 2,002,949; May 28.
Kent, Horace L., Brooklyn, N. Y. Safety razor. 2,003,201; May 28.
Keplar, James M., Elkhart, Ind. Filing system. 2,003,202; May 28.
Keppler, Helmut. (See Orthner, L., and Keppler.)
Kichline, Frank O. (See Shimer, W. R., Kinney, and Kichline.)
Kim, Young W., Santa Barbara, Calif. Game. 2,003,203; May 28.
Kimball, C. M., Co. (See Wood, Allen H., Jr., assignor.)
Kincaid, Thomas C., Jr., Steubenville, Ohio. Truck. 2,002,605; May 28.
Kindelmann, Albert, Floral Park, and C. L. Ragot, New York, assignors to International Projector Corporation, New York, N. Y. Supporting pedestal. 2,002,538; May 28.
King, Walter E., assignor to R. L. Waxler and J. Hardcastle, Houston, Tex. Control head. 2,002,539; May 28.
Kinney, Brewster P., Cleveland Heights, Ohio. Dispensing device. 2,002,635; May 28.
Kinney, James A. (See Shimer, W. R., J. A. Kinney, and Kichline.)
Kinney, James A., Lebanon, Pa., assignor to Bethlehem Steel Company. Making nut blanks. 2,003,084; May 28.
Kistner, Herman H., Baltimore, Md. Piston. 2,002,606; May 28.
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,003,085; May 28.
Klein, Maximilian, assignor to United States Gauge Company, Sellersville, Pa. Pressure gauge. 2,002,950; May 28.
Knight, Alfred W., et al. (See Fisher, Franklin C., assignor.)
Knight, Nelson M., Weymouth Heights, Mass. Pulp screening machine. 2,003,150; May 28.
Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,002,667; May 28.
Knox, William H., Jr., Nashville, Tenn., assignor to Victor Chemical Works. Purification of strong phosphoric acid. 2,003,051; May 28.
Koehring Company. (See Lichtenberg, Erich H., assignor.)
Kokanour, Elmer L., Fort Lauderdale, Fla. Article of printer's furniture. 2,002,895; May 28.
Kolath, Francis C., Chicago, Ill., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Connecter cap. 2,002,779; May 28.
Kopetz, Josef, Vienna, Austria. Manufacturing of helically grooved endless hose and tubing. 2,002,896; May 28.
Kraus, Wilhelm, Vienna, Austria, assignor, by mesne assignments, to America Cyanamid Company. Plastic masses and process of making same. 2,002,540; May 28.
Krels, Walter, assignor to firm, "Chemical Works formerly Sandoz," Basel, Switzerland. Cardio-active glucosides of digitalis lanata and of making same. 2,003,204; May 28.
Kremer, Edward H., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt connecter. 2,002,897; May 28.
Kristensson, August. (See Thorssell, C. T., and Kristensson.)
Kruczek, Andrew B., Detroit, Mich. Printing device. 2,002,698; May 28.
Kuhlemann, Stig O. G., Stockholm, Sweden, assignor, by mesne assignments, to Irving Air Chute Company, Incorporated, Buffalo, N. Y. Quick release fastener for parachute harness. 2,003,205; May 28.
Lack, Arnold S., Beloit, assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal combustion engine. 2,002,668; May 28.
Lamson Company, The. (See Pevear, Chase K., assignor.)
Lamson Company, The. (See Taylor, William J., assignor.)
Lang, Rose, Buffalo, N. Y. Baking pan. 2,003,151; May 28.

Lange, Max E., Cleveland Heights, and W. J. Burger, Shaker Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio. Stock feeding and gripping device. 2,003,152; May 28.
Larsen, Elner W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch. 2,002,699; May 28.
Laurent, Milton P., assignor to W-K-M Company, Inc., Houston, Tex. Gate valve. 2,002,780; May 28.
Leaper, Percy J. (See Meuser, L. and Leaper.)
Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Vacuum-broom. 2,002,636; May 28.
Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Suction cleaner. 2,002,637; May 28.
Lee, Dwight B., Detroit, Mich. Vehicle ventilating window. 2,002,898; May 28.
Lee, Dwight B., Detroit, Mich. Vehicle ventilating apparatus. 2,002,899; May 28.
Lee, Martin L., Brooklyn, N. Y. and A. Kaufmann, South Orange, N. J., assignors to K. Kaufmann & Co., Inc., Newark, N. J. Traveling bag. 2,002,638; May 28.
Lee, Thomas L., assignor to North East Appliance Corporation, Rochester, N. Y. Electrical condenser. 2,003,002; May 28.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Voltage regulating device. 2,003,001; May 28.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Key support. 2,002,858; May 28.
Lelbig, Edward C., assignor to Corning Glass Works, Corning, N. Y. Decorated glass article. 2,002,900; May 28.
Leighton, John W., Port Huron, Mich. Hinged joint. 2,002,781; May 28.
Lemoyne, Raymond A., Rochester, N. H. Baseball game. 2,003,207; May 28.
Lerch, William G., Akron, and A. W. Stoner, Findlay, Ohio, said Lerch assignor of one-half of his entire right and said Stoner assignor of his entire right to Master Tire and Rubber Corporation, Akron, Ohio. Tire retread vulcanizer. 2,002,579; May 28.
Lesser, Nathan, Moline, Ill., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 2,002,669; May 28.
Lester, Robert G., Chicago, Ill. Opera glass. 2,002,782; May 28.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material handling mechanism. 2,002,952; May 28.
Levin, Nils D., and E. G. Lewis, assignors to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine control mechanism. 2,002,951; May 28.
Levy, Stanley L., Kingston Hill, England. Treatment of iron pyrites for recovery of sulphur and formation of iron oxide. 2,002,860; May 28.
Levy, Stanley L., Surrey, and G. W. Gray, London, England. Production of ferric compounds. 2,002,859; May 28.
Lewin, Irving, and C. W. Geier, Hazleton, Pa., assignors to Duplan Silk Corporation, New York, N. Y. Adjusting device for looms and controlling the beating-up operation. 2,002,953; May 28.
Lewis, Edward G. (See Levin, N. D., and Lewis.)
Lewis, Robert E. (See Mirfield, G. E., Lewis, Firth, and Neale.)
Lewis, William L., Los Angeles, Calif. Aircraft. 2,003,206; May 28.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Fluid dispensing apparatus. 2,003,153; May 28.
Lincoln Engineering Company. (See Barks, F. S., and Fox, assignors.)
Lindgren, Frank A., Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,002,743; May 28.
Lindgren, Hans O., Appelviken, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,002,954; May 28.
Lipson, William, Brookline, Mass. Detachable-hood garment. 2,002,955; May 28.
Liptak, Michael, St. Paul, Minn. Fire wall. 2,002,820; May 28.
Liss, Samuel A., Philadelphia, Pa., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Cylinder lock. 2,003,086; May 28.
Lissauer, Adolph W., assignor to Louisville Drying Machinery Co., Louisville, Ky. Manifold for tubular driers. 2,002,956; May 28.
Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic printing telegraph exchange system. 2,002,985; May 28.
Locke Insulator Corporation. (See Vrooman, Edward C., assignor.)
Logan, John W., Jr. (See Bone, H. L., and Logan.)
Lomar, Louis L., Houston, Tex. Shock absorber. 2,002,700; May 28.
Long-Bell Lumber Company, The. (See Heppenstall, Thomas E., assignor.)
Long, Jon R., Fort Worth, Tex. Valve. 2,002,783; May 28.
Longobardi, Cesare, Rome, Italy. Explosion and combustion motor. 2,002,957; May 28.
Lord, Edward E., assignor of one-half to J. D. Ross, Pasadena, Calif. Sprinkler head. 2,003,052; May 28.
Loudenback, Clarence F. (See Loudenback, Hamilton L., assignor.)
Loudenback, Hamilton L., assignor of one-third to C. F. Loudenback, Sidney, Ohio. Truss structure. 2,002,500; May 28.
Loudenslager, Charles S. (See Voke, C. E., assignor, and Denbow.)
Louisville Drying Machinery Co. (See Lissauer, Adolph W., assignor.)
Lowe, Albert L. (See North, S. N., assignor, and Gurley.)
Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)
Lubs, Herbert A., Wilmington, Del., and I. Williams, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 2,002,639; May 28.
Luchtenberg, Alex. (See Hartmann, A., Hoefinghoff, Luchtenberg, and Kempf.)
Lucl, Warner S. (See Stein, H., Gross, and Lucl.)
Lucich, Giovanni, assignor to firm "Società Anonima Carburatori Olii Pesanti (S. A. M. C. O.)", Trieste, Italy. Carbureting heavy liquid fuels. 2,003,180; May 28.
Lucich, Giovanni, assignor to firm "Società Anonima Carburatori Olii Pesanti (S. A. M. C. O.)", Trieste, Italy. Burner for heavy liquid fuels. 2,003,181; May 28.
Ludwig, Louis, Brooklyn, N. Y. Electrotherapeutic element. 2,002,744; May 28.
Lummus Company, The. (See Coubrough, George B., assignor.)
Lund, Nels B., Seaford, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Thickener. 2,003,281; May 28.
Lurie, Harry J. (See Gardner, Herman B., assignor.)
Luse, Gordon B., Big Spring, Tex. Device for expanding pistons. 2,002,821; May 28.
Lyngfer, Erik S., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Sprayer. 2,003,087; May 28.
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare tires of automobiles. 2,002,784; May 28.
Lyon Incorporated. (See Lyon, George A., assignor.)
MacDonald, Ada A., Ithaca, N. Y. Combined electric stove and ironing device. 2,002,608; May 28.
MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making lasts. 2,002,580; May 28.
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making magnesium carbonate. 2,003,208; May 28.
Mack, Carl F., Philadelphia, Pa. Fabric guiding and seaming mechanism. 2,002,861; May 28.
Macleod, Cameron, et al., trustees. (See Belaef, Nikolai, assignor.)
Macleod, Cameron, et al., trustees. (See Dahl, Edward T., assignor.)
Macleod, Eldon, et al., trustees. (See Belaef, Nikolai, assignor.)
Macleod, Eldon, et al., trustees. (See Dahl, Edward T., assignor.)
Maddin, Fred V. (See Jones, Clarence M., assignor.)
Madge, Norman G., Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Making rubber thread. 2,002,640; May 28.
Magnavox Company, The. (See Brennan, Joseph B., assignor.)
Magyar Ruggyantaarugyár Részvénytársaság. (See Dorogi, István, and L.)
Mahn, Herbert, H. Meyer, and H. Pfannenstiel, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial products of regenerated cellulose. 2,002,822; May 28.
Main, David W., assignor to Transportation Systems, Inc., Oklahoma City, Okla. Vehicle and pilot means therefor. 2,002,901; May 28.
Maluri, Guido, London, England, assignor, by mesne assignments, to Electrolux Servel Corporation. Absorption refrigerating apparatus and method. 2,002,958; May 28.
Mallinckrodt Chemical Works. (See Westerbeck, Frederick, assignor.)
Mallory, Henry R., Rye, and S. Ruben, New Rochelle, N. Y., said Ruben assignor to said Mallory. Remote control of electrical devices. 2,002,541; May 28.
Marathon Paper Mills Company. (See Bergman, Renold, assignor.)
Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dishwasher. 2,003,003; May 28.
Marion Steel Body Company, The. (See Ehrick, W. F., and Garverick, assignors.)
Marsh, Ira B. (See Holt, C. K., Marsh, and Merritt.)
Martin, Samuel M., Jr., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Removing gum and gum forming constituents from cracked petroleum distillates. 2,002,902; May 28.
Marvel, Alvin L., Seaford, Del., and D. E. Semon, St. Pauls, N. C. Motor vehicle chassis frame. 2,002,823; May 28.
Mason-Neilan Company. (See Belaef, Nikolai.)

Mason-Neilan Regulator Company. (See Dahl, Edward T.)
Master Tire and Rubber Corporation. (See Lerch, W. G., and Stober, assignors.)
Matters, Helen M., Omaha, Nebr. Liquid dispensing receptacle. 2,002,959; May 28.
Mattison, Carl L. (See Johnson, C., and Mattison.)
Mattison Machine Works. (See Johnson, C., and Mattison, assignors.)
Mattison Machine Works. (See Johnson, Charles, assignor.)
May, Rowland F. (See Edwards, W. F. M., and May.)
Mayer, Bruno, Nuremberg, Germany. Roll film camera. 2,002,824; May 28.
McBride, Eugene A., assignor to Thompson Products Incorporated, Cleveland, Ohio. Two material extruded valve and making the same. 2,002,641; May 28.
McCarthy, Edward F., assignor of one-half to C. H. McCarty, Chicago, Ill. Fluid displacing pump. 2,003,117; May 28.
McCarty, Charles H. (See McCarthy, Edward F., assignor.)
McClendon, S. S., Jr., trustee. (See Nixon, Jeddy D., assignor.)
McConnell, Elliott B., assignor to The Standard Oil Company, Cleveland, Ohio. Making asphalt. 2,002,670; May 28.
McConway & Torley Company, The. (See Regan, W. J., and George, Jr., assignors.)
McDaniel, Henry, New London, Wis. Folding crib. 2,002,607; May 28.
McDonald, Lester. (See Foss, Benjamin Q. P., assignor.)
McDonald, Robert E., San Antonio, Tex., dedicated to the free use of the Public. Machine and method for detecting pink bollworm in cotton seed. 2,002,745; May 28.
McGuire, Archie G., Fort Dodge, Iowa. Semiautomatic transmission. 2,003,088; May 28.
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Apparatus for making radiators. 2,002,903; May 28.
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Apparatus for making radiators. 2,002,904; May 28.
McKay Company, The. (See Carpenter, James W., assignor.)
McKinney, James P., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn. Latch and lock mechanism. 2,002,542; May 28.
McLaughlin, John J., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Screw and trunnion nut device and making it. 2,002,671; May 28.
McLean, Harry C., and A. L. Weber, assignors to Endowment Foundation, New Brunswick, N. J. Removing spray residue from fruit. 2,003,005; May 28.
McMurry, Ralph B., Kalama, Wash. Abdominal support. 2,003,210; May 28.
McNutt, Joseph D., assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 2,002,960; May 28.
McQuaid, James W., Overton, Tex. Hydraulic pumping unit. 2,003,004; May 28.
McWane, A. T., et al executors. (See McWane, James R.)
McWane Cast Iron Pipe Co. (See McWane, James R., assignor.)
McWane, James R., deceased, Birmingham, Ala., A. T. McWane, W. McWane and J. H. Cabaniss, Executors, assignors to McWane Cast Iron Pipe Co., Birmingham, Ala. Method of and apparatus for lining metal pipes. 2,002,701; May 28.
McWane, William, et al., executors. (See McWane, James R.)
McWhirter, Mark H, assignor of one-half to E. G. Stafford, McCamey, Tex. Two-piece four-in-hand necktie. 2,002,829; May 28.
McWilliams, James B. (See Faries, R., and McWilliams.)
Mearl Corporation, The. (See Earle, Francis, assignor.)
Meinema, Herbert E. (See Crossley, A. and Meinema.)
Meiser, Wilhelm. (See Neelmeier, W., and Meiser.)
Melling, Joseph, Jackson, Mich. Clutch or brake, or like mechanism. 2,002,785; May 28.
Melling, Joseph, Jackson, Mich., assignor of one-half to C. T. Cline, Jackson, Mich. Brake. 2,002,786; May 28.
Melott, John M., assignor to C. E. Brown, Los Angeles, Calif. Valve for slush pumps. 2,002,672; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Bearing structure. 2,002,908; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Submersible structure. 2,002,909; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Submersible motor with mercury-sealed balancing means. 2,002,910; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Inverted motor for pumps. 2,002,911; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Control device for pumping systems. 2,002,912; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Submersible motor structure with mechanical seal. 2,002,913; May 28.
Mendenhall, Earl, Los Angeles, and J. B. Van Horn, Alhambra, assignors to Menhorn, Inc., Los Angeles, Calif. Construction for submersible motors and the like. 2,002,914; May 28.
Mendenhall, Earl, Los Angeles, and J. B. Van Horn, Alhambra, assignors to Menhorn, Inc., Los Angeles, Calif. Submersible motor construction. 2,002,916; May 28.
Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Sealing device. 2,002,917; May 28.
Mendenhall, Earl, J. B. Van Horn, and C. J. Coberly; said Mendenhall and said Van Horn assignors to Menhorn, Inc., Los Angeles, Calif. Motor construction. 2,002,915; May 28.
Mendenhall, Earl, J. B. Van Horn, and C. J. Coberly, said Mendenhall and said Van Horn assignors to Menhorn, Inc., Los Angeles, Calif. Fluid-packed seal. 2,002,918; May 28.
Menhorn, Inc. (See Mendenhall, E., and Van Horn, assignors.)
Menhorn, Inc. (See Mendenhall, E., and Van Horn, assignors, and Coberly.)
Menhorn, Inc. (See Sessions, Charles R., assignor.)
Menough, Paul S., Mount Lebanon, assignor to The Duraloy Company, Pittsburgh, Pa. Fabricated damper. 2,003,154; May 28.
Mergenthaler Linotype Company. (See Ackerman, William, assignor.)
Merrill, David R., Long Beach and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Extraction process. 2,002,702; May 28.
Merritt, John B. (See Holt, C. K., Marsh and Merritt.)
Mesta Machine Company. (See Bedell, Carl E., assignor.)
Mesta Machine Company. (See Fisk, Gustaf L., assignor.)
Metals Disintegrating Company. (See Hall, Everett J., assignor.)
Metals Research Syndicate. (See Sparks, Stanley W., assignor.)
Mettler, Hans W., Geneva, Switzerland. Jigger. 2,002,703; May 28.
Meuser, Ludwig, and P. J. Leaper, Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Reaction product of ketones and amines. 2,002,642; May 28.
Meyer-Gaus, Karl. (See Bauriedel, G. and Meyer-Gaus, assignors.)
Meyer, Harry. (See Mahn, H., Meyer and Pfannenstiel.)
Meyrowitz, E. B., Inc. (See Meyrowitz, Emil B., assignor.)
Meyrowitz, Emil B., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggles. 2,002,543; May 28.
Michelin et Cie. (See de Saint-Martin, Charles V., assignor.)
Michelsen, William O., Long Island, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,003,211; May 28.
Michelson, Barnett S., Boston, Mass. Water tank cover. 2,003,006; May 28.
Michigan Tool Company. (See Munn, Henry Q., assignor.)
Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)
Mid-Continent Petroleum Corporation. (See Bennett, Harry T., assignor.)
Miessner, Benjamin F., Milburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Electromagnetic translating system. 2,002,919; May 28.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller, Edward S. (See Townsend, A. J. and Miller.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Steering gear. 2,002,746; May 28.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of tar acids, etc. 2,002,704; May 28.
Millican, Roy E., Dallas, Tex., and W. R. Millican, Parsons, Kans. Power transmission. 2,003,212; May 28.
Millican, Word R. (See Millican, Roy E., and W. R.)
Mills, Oscar L., Los Angeles, Calif. Body treating band or article. 2,002,673; May 28.
Minutillo, Frank, Manahawkin, N. J. Automobile jack. 2,003,213; May 28.
Mirfield, George E., R. E. Lewis, and C. Firth, Youngstown, and J. E. Neale, Girard, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Electric welding apparatus. 2,003,118; May 28.
Mitchell, Orville, Dallas, Tex. Saw cylinder for cotton extracting machines. 2,003,262; May 28.
Mole-Richardson, Inc. (See Richardson, Elmer C., assignor.)
Moller, Kasper F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 2,002,705; May 28.
Monarch Governor Company. (See Culp, Jay S., assignor.)
Mong, Fern, Greenville, Ohio. Ice creeper. 2,002,706; May 28.
Monro, William L., assignor to American Window Glass Company, Pittsburgh, Pa. Annealing sheet glass. 2,002,544; May 28.
Moore, Chester M., Wakefield, Mass. Shoe shank stiffener. 2,002,707; May 28.
Moore, Harold A. (See Geer, P. L., Moore, and Morton.)

Moore, John M., New York, N. Y. Day and night illuminated plate for signs. 2,003,089; May 28.
Moorman, Charles L., Chicago, Ill. Refrigerator. 2,002,643; May 28.
Moran, Archibald A., Mendham, N. J. Rotary pump. 2,002,862; May 28.
Moran, Matthew F., Kansas City, Mo. Filter. 2,002,826; May 28.
Moray, Virgil, New York, N. Y. Water heating system. 2,002,545; May 28.
Morch, Jacob J., Port Credit, Ontario, Canada. Rotary compressor. 2,002,827; May 28.
Morency, Henry L., Boulder, Colo. Milking device. 2,002,920; May 28.
Morgan, Edmund C., deceased, late of New York, N. Y., by O. E. Morgan, New York, N. Y., executrix, assignor to American Morgan Company. Material handling system for mines. 2,003,007; May 28.
Morgan, Olive E., Executrix. (See Morgan, Edmund C.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,002,747; May 28.
Morrison, Frank A., et al., trustees. (See Belaef, Nikolai, assignor.)
Morrison, Frank A., et al., trustees. (See Dahl, Edward T., assignor.)
Morton, William A. (See Geer, P. L., Moore, and Morton.)
Moses, Richard I., Stockton-on-Tees, England. Fluid pressure operated blower for cleaning the tubes of steam generators and the like. 2,002,787; May 28.
Moses, Richard I., Langley, assignor to Ivor Power Specialty Company, Limited, London, England. Fluid pressure operated blower for cleaning the tubes of steam generators and the like. 2,002,788; May 28.
Mueller, Emilie P., administratrix. (See Mueller, John G.)
Mueller, John G., deceased, Dayton, Ohio, E. P. Mueller, administratrix. Rail stabilising device for railway tracks. 2,002,708; May 28.
Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Device for indicating whether a clock is running. 2,002,905; May 28.
Mullan, John H., San Francisco, Calif. Can top remover. 2,002,906; May 28.
Müller, Konrad, Berlin-Siemensstadt, F. Döring, Berlin-Frohnau, and J. Wantosch, Berlin-Reinickendorf-O., Germany, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric motor and control therefor. 2,002,546; May 28.
Müller, Richard, and M. Schenck, Mannheim, and W. Wirbatz, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Treating cellulose acetate. 2,002,674; May 28.
Multigraph Company. (See Wescott, William B., assignor.)
Munn, Henry Q., Walkerville, Ontario, Canada, assignor to Michigan Tool Company. Adjustable work carrying table. 2,003,263; May 28.
Murphy, Edward J., Lynbrook, N. Y. Freezing apparatus. 2,003,214; May 28.
Murphy, P. H., Company. (See Gilpin, Garth G., assignor.)
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Mygland, Arne, Fjotland, near Flekkefjord, Norway. Ring shuttle reel for sewing machines. 2,002,609; May 28.
N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
Nachod & United States Signal Co. (See Richterkessing, Frank H., assignor.)
Nadig, Francis H., Chicago, Ill. Floor cleaner. 2,003,215; May 28.
Nadig, Francis H., Chicago, Ill. Floor cleaning machine. 2,003,216; May 28.
Nagel, Theodore, Brooklyn, N. Y., assignor to Carburetted Gas, Inc. Producing fuel gas. 2,002,863; May 28.
Nall, Elmer L., Chicago, Ill. Fluid dispensing device. 2,002,610; May 28.
Nall, Elmer L., Chicago, Ill. Liquid dispensing device. 2,002,611; May 28.
National Carbon Company. (See Graubner, Herman G., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National Malleable and Steel Castings Company. (See Kaiser, W., and Balke, assignors.)
National Vending Company. (See Parks, R. D., and Hildenbrand, assignors.)
National Venetian Blind Co. (See Cooper, Jesse E., assignor.)
Naugle, Harry M., et al. (See Townsend, A. J., and Miller, assignors.)
Naugle, John J. (See Wickenden, L., and Naugle.)
Neale, John E. (See Mirfield, G. E., Lewis, Firth, and Neale.)
Neelmeier, Wilhelm, and W. Meiser, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. N-substituted derivative of sulphoanilines. 2,002,612; May 28.
Nenninger, Lester F., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 2,002,921; May 28.
Netzsch, Fritz. (See Von Issendorff, Jürgen and Netzsch.)
Neuland, Alfons H., Irvington, N. J. Gear damper for engine drive transmission systems. 2,002,828; May 28.
Neveling, Aloys, Chicago, Ill. Hydraulic dredge. 2,002,748; May 28.
Neveling, Aloys, Sr., Chicago, Ill. Hydraulic dredge. 2,002,749; May 28.
Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Expansible bellows. 2,003,119; May 28.
Nichols Engineering & Research Corporation of Canada, Limited. (See Freeman, Horace, assignor.)
Nichols, Ralph, Elyria, Ohio. Traction device for athletic shoes or the like. 2,002,864; May 28.
Niedecken, Edward F., Milwaukee, Wis. Shower bath cabinet. 2,002,789; May 28.
Niederhauser, Jakob, Wettingen, Switzerland, assignor of one-half to Richard Suter, Cleveland, Ohio. Transmission mechanism. 2,002,709; May 28.
Nixon, Jeddy D., assignor to S. S. McClendon, Jr., Houston, Tex., trustee. Method and apparatus for producing liquid from wells. 2,003,009; May 28.
Nixon, Jeddy D., assignor to S. S. McClendon, Jr., Houston, Tex., trustee. Fluid elevator. 2,003,010; May 28.
Noble, Minnie E., Berkeley, Calif. Jig saw puzzle. 2,002,750; May 28.
Nordengren, Sven G., assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden. Decomposing raw phosphates. 2,002,547; May 28.
Nordstrom, Nels F., Minneapolis, Minn. Plow. 2,002,751; May 28.
Norman, Nathaniel C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,002,961; May 28.
North East Appliance Corporation. (See Lee, Thomas L., assignor.)
North East Appliance Corporation. (See Sullivan, Raymond H., assignor.)
North, Samuel N., Rising Sun, and T. J. Gurley, Patriot, said North assignor to A. L. Lowe, Patriot, Ind. Milk strainer. 2,002,865; May 28.
Oathout, Charles E., Shaker Heights, assignor to The Kaynee Company, Cleveland, Ohio. Garment. 2,003,217; May 28.
Olson, Edgar T., Marquette, Mich., assignor to The Cleveland Cliffs Iron Company, Cleveland, Ohio. Activated carbon. 2,003,277; May 28.
Olson, Edgar T., New York, N. Y., assignor to The Cleveland Cliffs Iron Company, Cleveland, Ohio. Preparation of activated carbon. 2,003,278; May 28.
Onken, Herman A., Webster City, Iowa. Coupling for pump rods, trailer hitches and the like. 2,002,922; May 28.
Optical Research Corporation. (See Singer, Nathaniel, assignor.)
Orr, William V., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 2,002,790; May 28.
Orthner, Ludwig, Leverkusen I. G. Werk, and H. Keppler, Leverkusen-Schlebusch, Germany, assignors to General Analine Works, Inc., New York, N. Y. Reaction product of an organic acid amide and an alkylene oxide. 2,002,613; May 28.
Osten, Joseph W., Chicago, Ill. Golf bag. 2,002,581; May 28.
Osterberg, Arnold E., Rochester, Minn., assignor to The Chemical Foundation, Incorporated, New York, N. Y. Medicinal preparation. 2,002,829; May 28.
Ostermann, Walter. (See Hartmann, A., Hoefinghoff, Bauriedel, and Ostermann.)
Otis, Herbert C., Shreveport, La. Method of and means for flowing oil wells. 2,002,791; May 28.
Otto, Edward A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Fastener. 2,002,710; May 28.
Outcault, Richard F., Flossmoor, Ill. Advertising device. 2,002,675; May 28.
Owens, William B., assignor of one-half to J. C. Steele, Santa Monica, Calif. Stone cutter gauge. 2,002,676; May 28.
Palik, John J., St. Louis, Mo., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Applicator cap. 2,002,762; May 28.
Palmer, Oscar C., Phoenix, Ariz. Radiator fin construction. 2,002,923; May 28.
Park, Robert N., Los Angeles, assignor to J. M. Roberts, Wilmar, Calif. Electric motor construction 2,002,793; May 28.
Parkhurst, Frederic A., Bethesda, Md., and G. J. Esselen, Swampscott, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Manufacture of thin sheets of cellulose. 2,002,711; May 28.
Parks, Robert D., and G. W. Hildenbrand, Lohrville, Iowa, assignors to National Vending Company, Burnside, Pa. Vending machine. 2,002,753; May 28.
Pass & Seymour, Inc. (See Despard, Victor, R., assignor.)
Patriarche, Valance H., Winnipeg, Manitoba, Canada. Variable diameter propeller. 2,002,712; May 28.
Pavlovic, Frank, and J. G. Sintic, Cleveland, Ohio. Storage battery terminal connecter. 2,003,053; May 28.
Pearson, William J., Los Angeles, Calif. Adjustable printing mechanism. 2,003,218; May 28.
Pearson, William J., Los Angeles, Calif. Dating device. 2,003,219; May 28.
Pearson, William J., Los Angeles, Calif. Type-setting device. 2,003,220; May 28.

Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)
Penick, Arthur J., and K. T. Penick, Houston, Tex. Pump. 2,002,713; May 28.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Penniman, William B. D., Lawyer's Hill, Md. Oil seal and dust guard for journal boxes. 2,003,120; May 28.
Perfection Steel Body Company, The. (See Cohen, Harry, assignor.)
Perfection Steel Body Company, The. (See Divney, Raymond P., assignor.)
Perl, Albert H. F., Birmingham, England. Hinging-locking mechanism. 2,003,008; May 28.
Pesci, Thomas, Raritan, N. J. Clamp. 2,003,090; May 28.
Petrocelli, Anastasio. (See Rossi, Pasquale, assignor.)
Petsch, Hermann, assignor to the firm Carl Still, Recklinghausen, Germany. Process and apparatus for compressing coal in a chamber oven, retorts and the like. 2,002,614; May 28.
Peavear, Chase K., New York, assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 2,002,830; May 28.
Pfannenstiel, Hugo. (See Mahn, H., Meyer, and Pfannenstiel.)
Pfauser, Edward M., Wauwatosa, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Reversible friction clutch. 2,003,155; May 28.
Phillips, Edward W., Flint, Mich. Electric heater. 2,002,714; May 28.
Plevyak, Joseph B., Carbondale, Pa. Tensioning device for shuttles. 2,002,866; May 28.
Pohl, Walter M., Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Adjustable worm gearing. 2,002,644; May 28.
Pollard, John H. (See Wyatt, J. W., and Pollard.)
Pollock, William B., Company, The. (See de Fries, Walter, assignor.)
Polytechnic Development Corporation. (See Day, Leonard, assignor.)
Porter, Sidney C., Newell, assignor to The Globe Brick Company, Kenilworth, W. Va. Coating apparatus. 2,002,507; May 28.
Potter, Howard M., Youngstown, Ohio. Knock-down basket. 2,002,582; May 28.
Potts, Curran M., and P. B. Ellington, Winter Haven, Fla. Locking means for valves. 2,002,615; May 28.
Powers, Frank T., Douglaston, N. Y. Viewing cabinet. 2,002,867; May 28.
Prange, Alfons F., St. Louis County, Mo. Machine for making springs. 2,002,754; May 28.
Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
Prescott, Clyde A. (See Jackson, L. M., and Prescott.)
Praydorowski, Stanislaus, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Immersing machine. 2,002,795; May 28.
Public, Free use of the. (See Bennett, C. A., and Gaus.)
Public, Free use of the. (See McDonald, Robert E., assignor.)
Pugh, James W. (See Frolich, P. K., and Pugh.)
Purkett, Edward D., assignor to Purkett Laundry Company, Joplin, Mo. Laundry shake-out tumbler. 2,002,796; May 28.
Purkett Laundry Company. (See Purkett, Edward D., assignor.)
Quadrex Corporation, The. (See Leathers, Ward, assignor.)
Querfurth, Wilhelm, Constance, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of ketones. 2,002,794; May 28.
Radio Corporation of America. (See Allen, Victor O., assignor.)
Radio Corporation of America. (See Dowsett, Harry M., assignor.)
Radio Corporation of America. (See Farnham, Paul O. assignor.)
Radio Corporation of America. (See Gleskieng, Marion W. assignor.)
Radio Corporation of America. (See Jenkins, Charles F., assignor.)
Radio Corporation of America. (See Whitaker, Alfred, assignor.)
Radio Inventions, Inc. (See Donle, Harold P., assignor.)
Ragan, Ralph, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Support for heddle bars. 2,002,548; May 28.
Regan, William J., Wilkinsburg, and E. George, Jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 2,003,221; May 28.
Ragot, Charles L. (See Kindelmann, A., and Ragot.)
Rainey, Austin E. Titusville and W. J. Rainey, Grove City, Pa. Scissors sharpener. 2,002,868; May 28.
Rainey, William J. (See Rainey, Austin E. and W. J.)
Ramsey, George, Brooklyn, N. Y. Method and apparatus for volume control. 2,002,831; May 28.
Rankin, Lansing P., Norton, Kans., assignor to Hercules Powder Company, Wilmington, Del. Ozonization products of terpene alcohols and producing. 2,002,583; May 28.
Rankin, Melville B. (See Henton, S. C., and Rankin.)
Ratcliff, Francis G., Birmingham, England. Cleaning and feeding of metal strips to rolls or rolling mills. 2,003,064; May 28.
Rather, James B., and L. C. Beard, Jr., Brooklyn, and O. M. Reiff, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Distillate petroleum product and treating same. 2,002,645; May 28.
Rawson, Harry H., assignor to Washington Machinery and Supply Company, Spokane, Wash. Printing press roll shifting means. 2,002,584; May 28.
Raynolds, John F., and F. C., Wilhelm, Minneapolis, Minn., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Burn guard. 2,002,715; May 28.
Regensburger, Richard W., assignor by mesne assignments to Institute of American Meat Packers, Chicago, Ill. Stunning tongs. 2,002,755; May 28.
Reich, Gustave T., Philadelphia, Pa. Alkali metal compound recovery from waste organic mixtures. 2,002,797; May 28.
Reichert, Otto. (See Hagedorn, M., Reichert and Guhring.)
Reichter, Emil F. (See Strauch, G. A., Richter, and Garrett.)
Reiff, Orland M. (See Rather, J. B., Beard, and Reiff.)
Realistic Permanent Wave Machine Company, The. (See Steinbach, Paul R., assignor.)
Remy, Rudolf, assignor to W. Falthauser, Munich, Germany. Method of and device for closing up vessels, especially bottles. 2,003,091; May 28.
Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Control device. 2,002,798; May 28.
Resilient Hammer, Inc. (See Badcon, Eber W., assignor.)
Rice, Joel A., New York, N. Y. Stud-and-eye clasp for corsets and the like. 2,003,222; May 28.
Richards, Antonia, Providence, R. I. Apparatus for molding a liquid bag. 2,003,092; May 28.
Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler. 2,002,508; May 28.
Richardson, Elmer C., assignor to Mole-Richardson, Inc., Los Angeles, Calif. Arc lamp. 2,002,549; May 28.
Richter, George F., Bogota, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Cosmetic holder. 2,002,716; May 28.
Richterkessing, Frank H., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky. Railway crossing signal. 2,003,264; May 28.
Richterkessing, Frank H., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky. Railway signaling system. 2,003,265; May 28.
Richterkessing, Frank H., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky. Control for railway signals systems. 2,003,266; May 28.
Riddell, John T., Evanston, Ill. Sole reenforcing plate. 2,002,869; May 28.
Riebel, Frederick, Jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 2,002,509; May 28.
Ritscher, Freidrich A., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Device for introducing cigarettes or similar articles into pocket-like packages. 2,002,616; May 28.
Robart, Braxton L., and E. P. Buell, Jackson, Mich., assignors to The Robuell Company. Reducing valve. 2,002,717; May 28.
Roberts, Jess M. (See Park, Robert N., assignor.)
Robertshaw, George A., Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Valve. 2,002,550; May 28.
Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
Robertshaw Thermostat Company. (See Robertshaw, George A., assignor.)
Robertson, Oliver T., Terrace Park, Ohio. Smoking pipe. 2,003,156; May 28.
Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opalocka, Fla. Guard system for tractor-trailer combinations. 2,002,832; May 28.
Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opalocka, Fla. Alarm system for tractor-trailer combinations. 2,002,833; May 28.
Robinson, Roy, Portland, Oreg. Drip catcher for containers. 2,002,677; May 28.
Robison, Merritt D., San Francisco, Calif. Cover bag for cages. 2,002,925; May 28.
Robuell Company, The. (See Robart, B. L., and Buell, assignors.)
Rockafellow, Edward, San Francisco, Calif., assignor to American Meter Company. Meter bellows. 2,002,870; May 28.
Roehm, Erwin G. (See Romaine, M., and Roehm.)
Rolen, Carl R., Waukesha, Wis. Apparatus for injecting graphite into engines. 2,002,834; May 28.
Romaine, Millard, Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Broaching machine. 2,002,924; May 28.
Römmelt, Wilhelm. (See Stockmeyer, F. W., and Römmelt.)
Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Treating-out transformer. 2,003,011; May 28.
Rose, William H., Jersey City, N. J. Siphon device. 2,002,835; May 28.
Rose, William K., New York, N. Y. Airplane. 2,003,223; May 28.

Roselle, Walter A., New York, N. Y. Collapsible tube construction. 2,002,718; May 28.
Rosenblatt, Maurice C., Philadelphia, Pa. Building construction. 2,002,510; May 28.
Rosnell, John E. (See Detwiler, J. G., Heisig, Rosnell, and Hall.)
Ross, J. D. (See Lord, Edward E., assignor.)
Ross, J. O., Engineering Corporation. (See Byron, Ralph, assignor.)
Ross, Oscar A., New York, N. Y. Scanning and apparatus therefor. 2,002,678; May 28.
Rossi, Pasquale, New York, N. Y., assignor of one-half to A. Petrocelli, Hoboken, N. J. Baggage carrier. 2,002,836; May 28.
Rothwell, John J., Jr., Flushing, and L. M. Stuart, Brooklyn, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Variable speed mechanism. 2,002,585; May 28.
Royal Typewriter Company. (See Michelsen, William O., assignor.)
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,002,799; May 28.
Ruben, Samuel. (See Mallory, H. R., and Ruben.)
Rubin, Samuel N., Astoria, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. System of control for elevators. 2,002,986; May 28.
Ryberg, Harry, Jr., San Francisco, Calif. Myogenic foot manipulator. 2,002,586; May 28.
Ryde, John W., assignor to The General Electric Company Limited, London, England. Electric discharge tube. 2,002,837; May 28.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling mechanism. 2,002,587; May 28.
Saeger, Henry, Rochester, N. Y. Morris chair construction. 2,003,157; May 28.
San Antonio, Edmond C. (See Almaraz, E. S., and San Antonio.)
Sanford, Roy S., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Control mechanism. 2,002,511; May 28.
Saper, Lewis H., et al. (See Wallace, Alexander, assignor.)
Sargent & Company. (See Voight, Henry G., assignor.)
Sargent, Sullivan A., Jr., et al., trustees. (See Belaef, Nikolai, assignor.)
Sargent, Sullivan A., Jr., et al, trustees. (See Dahl, Edward T., assignor.)
Sargent, William D., Newark, N. J., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugal casting machine and method. 2,002,962; May 28.
Sart, Gilbert D., Salem, assignor of one-half to Agoos Leather Companies, Inc., Boston, Mass. Ornamented leather and making the same. 2,002,792; May 28.
Sashoff, Stephan P., Gainesville, Fla., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid glow tube structure. 2,003,012; May 28.
Schade, Floyd L., Kansas City, Kans. Frozen confection. 2,002,903; May 28.
Schenck, Martin. (See Müller, R., Schenck, and Wirbatz.)
Schleicher, George B. (See Wagner, W. C., and Schleicher.)
Schmierer, Michael, Berlin, Germany. Glow discharge device. 2,002,551; May 28.
Schoettle, Edwin J., assignor to Edwin J. Schoettle Company, Philadelphia, Pa. Container. 2,003,224; May 28.
Schoettle, Edwin J., Company. (See Schoettle, Edwin J., assignor.)
Schoof, Arthur W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging and adjusting articles. 2,002,079; May 28.
Schorle, Herman J., Astoria, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool valve. 2,003,121; May 28.
Schrauth, Walther, Berlin-Dahlem, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Plastic materials. 2,002,800; May 28.
Schreyer, Oscar, assignor to H. Stoffel and F. L. Stoffel, Horn Thurgau, Switzerland, trading as Stoffel & Sohn. Machine for affixing two-part seals to string. 2,002,588. May 28.
Schroeder, Clarence A., Appleton, Wis. Food cooking device. 2,002,801; May 28.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Reenforcement for tubular and like structures. 2,002,987; May 28.
Schwarz, August, Chicago, Ill. Apparatus for heating, power, and refrigeration purposes. 2,003,122; May 28.
Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Specimen supporting device. 2,002,552; May 28.
Scott, Henry L., Company. (See Scott, David C., assignor.)
Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring electrical quantities. 2,002,680; May 28.
Screen Advertising, Incorporated. (See Wyatt, J. W., and Pollard, assignors.)
Seeley, Herbert B., New York, N. Y. Tooth powder dispenser. 2,003,093; May 28.
Seely, Thomas H., Melrose, and M. H. Ballard, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel breasting machine. 2,002,512; May 28.
Segelhorst, George, Stowe, Ohio. Marker. 2,002,756; May 28.
Semon, David E. (See Marvel, A. L. and Semon.)
Sessions, Charles R., San Francisco, assignor, by mesne assignments, to Menhorn, Inc., Los Angeles, Calif. Motor pump. 2,002,907; May 28.
Shand, Reginald C., Piedmont, Calif. Liquid dispensing system. 2,002,757; May 28.
Sharma, Jagan N., Berkeley, assignor to Food Machinery Corporation, San Jose, Calif. Fruit treating composition and treating fruit. 2,002,589; May 28.
Sharp, John, Cleveland, Ohio. Vibrating mechanism. 2,002,871; May 28.
Shaw, Frederick H. (See Good, Francis R., assignor.)
Sheeler, Walter L., Vancouver, British Columbia, Canada. Venturi flotation method. 2,002,964; May 28.
Shell Development Company. (See Alexandroff, Peter, assignor.)
Shimer, William R., Bethlehem, J. A. Kinney and F. O. Kichline, Lebanon, Pa., assignors to Bethlehem Steel Company. Metal article and preparing same. 2,003,094; May 28.
Shinn, Franklin H., Norwood, N. C. Twisting and winding apparatus. 2,002,590; May 28.
Siegrist, George R., Port Huron, Mich. Vehicle chassis lubricating mechanism. 2,003,013; May 28.
Siegrist, George R., Port Huron, Mich. Combined lubricating and shock absorbing mechanism for motor vehicles. 2,003,014; May 28.
Siemens & Halske Aktiengesellschaft. (See Müller, K., Döring and Wantosch, assignors.)
Simmons, Elizabeth D., executrix. (See Simmons, Ralph C.)
Simmons, Ralph C., deceased, by E. D. Simmons, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe supporting jack. 2,003,015; May 28.
Sinclair, Charles W., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Hub cap. 2,002,872; May 28.
Sinclair, Charles W., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum construction. 2,003,055; May 28.
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer, Nathaniel, assignor to Optical Research Corporation, New York, N. Y. Ophthalmic lens. 2,002,719; May 28.
Sintic, Joseph G. (See Pavlovic, F., and Sintic.)
Smith, Arthur W. (See Smith, Herbert E. and A. W.)
Smith, Benjamin H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Demand meter. 2,003,016; May 28.
Smith, Colman. (See Smith, Gabriel, and C.)
Smith, Frank J., Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill. Throttle valve. 2,002,965; May 28.
Smith, Gabriel, and C. Smith, Leyton, London, England. Machine for dusting sheet materials. 2,003,267; May 28.
Smith, Herbert E., and A. W., Gloucester, Mass. Apparatus for conditioning air. 2,002,802; May 28.
Smith, Russel M., Baltimore, Md. Apparatus for drying sheet material. 2,002,720; May 28.
Smith, Russel T., assignor to Gibson Refrigerator Company, Greenville, Mich. Mounting of motors. 2,002,646; May 28.
Smith, Walter H., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus for car connecters. 2,003,017; May 28.
Smith, William A., Hamburg, N. Y. Motor fuel and method of manufacture. 2,003,158; May 28.
Sneed, Stephen P. F., Atlanta, Ga. Box opening device. 2,002,591; May 28.
"Societa Anonima Carburatori Olii Pesanti, (S. A. M. C. O.)". (See Lucich, Giovanni, assignor.)
Socony-Vacuum Oil Company. (See Rather, J. B., Beard, and Reiff, assignors.)
Soderholm Per August, Bridgeport, Conn. Bread baking pan. 2,002,838; May 28.
Soley, William G. (See Benner, R. C., Walker and Soley.)
Somers, Herbert J., Detroit, Mich. Humidifier and air washer. 2,002,553; May 28.
Sorensen, Sam, Houston, Tex. Valve. 2,002,647; May 28.
Soule, Leslie, et al., trustees. (See Belaef, Nikolai, assignor.)
Soule, Leslie, et al., trustees. (See Dahl, Edward T., assignor.)
Southern Equipment Company. (See Johnson, Louis H., assignor.)
Southgate, George T., Forest Hills, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Electric power converter. 2,003,056; May 28.

Southgate, George T., Forest Hills, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Arc-welding power unit. 2,003,057; May 28.

Sparkes, Harry P. (See Ferguson, R. W., and Sparkes.)

Sparks, Stanley W., Norwalk, Conn., assignor to C. H. Bickell, Trustee, representing Metals Research Syndicate, New York, N. Y. Method of and apparatus for extruding tubes and other elongated shapes. 2,002,966; May 28.

Specht, Harry G., Montclair, assignor to Eastwood-Nealley Corporation, Belleville, N. J. Woven wire belt for paper making machines. 2,003,123; May 28.

Specht, Harry G., Montclair, assignor to Eastwood-Nealley Corporation, Belleville, N. J. Woven wire belt for paper making machines. 2,003,124; May 28.

Spencer, John A., Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass. Thermostat. 2,003,018; May 28.

Speranza, John et al. (See Fotl, Charles, assignor.)

Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)

Spiegler, Louis, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of methyl-anthraquinone. 2,002,988; May 28.

Spurr, Robert E., assignor to Chrysler Corporation, Detroit, Mich. Grinding apparatus. 2,002,967; May 28.

Square D Company. (See Ball, Albert P., assignor.)

Stafford, Edwin G. (See McWhirter, Mark H., assignor.)

Standard-I G. Company. (See Herold, P., and Kaufmann, assignors.)

Standard Oil Company, The. (See McConnell, Elliott B., assignor.)

Standard Oil Company. (See Smith, Frank J., assignor.)

Standard Oil Development Company, et al. (See Booth, Ralph D., assignor.)

Standard Oil Development Company. (See Buc, Hyym E., assignor.)

Standard Oil Development Company. (See Edson, Frank H., assignor.)

Standard Oil Development Company. (See Flatley, Richard E., assignor.)

Standard Oil Development Company. (See Frolich, Per K., assignor.)

Standard Oil Development Company. (See Frolich, P. K., and Pugh, assignors.)

Star Porcelain Company, The, et al. (See Ferguson, R. W., and Sparkes, assignors.)

Stecher, Henry D., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,002,839; May 28.

Steel Heddle Manufacturing Company. (See Ragan, Ralph, assignor.)

Steele, John C. (See Owens, William B., assignor.)

Stein, Hermann, South Ozone Park, C. G. Gross, Mount Vernon, N. Y., and W. S. Luci, Linden, N. J., assignors, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Hair waving. 2,002,840; May 28.

Steinbach, Paul R., Lakewood, assignor to The Realistic Permanent Wave Machine Company, Cincinnati, Ohio. Hair waving method. 2,002,980; May 28.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass feeder. 2,003,058; May 28.

Stevens, Richard H., Baltimore, Md., assignor to Bethlehem Steel Company. Piling device for sheet mill tables. 2,003,125; May 28.

Stewart-Warner Corporation. (See Williamson, Peter, Jr., assignor.)

Still, Firm Carl. (See Petsch, Hermann, assignor.)

Stockmeyer, Friedrich W., and W. Römmelt, Stuttgart, assignors to Junkers & Co., Gesellschaft mit beschrankter Haftung, Dessau, Germany. Controlling arrangement for a gas burner. 2,002,513; May 28.

Stoffel, Frans L., et al. (See Schreyer, Oscar, assignor.)

Stoffel, Hans, et al. (See Schreyer, Oscar, assignor.)

Stoffel & Sohn. (See Schreyer, Oscar, assignor.)

Stoner, Arthur W. (See Lerch, W. G., and Stoner.)

Stoody Company. (See Strobel, Karl, assignor.)

Straube, Raymond C., Three Rivers, Mich., assignor to Fairbanks Morse & Co., Chicago, Ill. Control mechanism for belt driven apparatus. 2,002,648; May 28.

Strauch, George A., Rockledge, E. F. Richter, and J. E. Garrett, assignors to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Full fashioned knitting machine. 2,003,095; May 28.

Stremel, Joseph, assignor of two-thirds to N. Stremel and one-third to G. E. Syp, Spokane, Wash. Dispensing device. 2,002,592; May 28.

Stremel, Nellie, et al. (See Stremel, Joseph, assignor.)

Strobel, Karl, assignor to Stoody Company, Whittier, Calif. Protectively facing surfaces with abrasion resisting material. 2,003,019; May 28.

Strobel, Karl, assignor to Stoody Company, Whittier, Calif. Welding rod for applying protective abrasion resisting facings. 2,003,020; May 28.

Strom, Andrew. (See Booth, C., and Strom.)

Strunk, Lester N., assignor to Boyertown Burial Casket Company, Boyertown, Pa. Burial casket. 2,003,096; May 28.

Stuart, Lemuel M. (See Rothwell, J. J., Jr., and Stuart.)

Studebaker Corporation, The. See Jones, Joseph H., assignor.)

Sturdy, William W., Tarrytown, N. Y., assignor to American Telephone and Telegraph Company. Surge limiting circuit. 2,002,617; May 28.

Subkow, Philip. (See Merrill, D. R., and Subkow.)

Sullivan, Raymond H., assignor to North East Appliance Corporation, Rochester, N. Y. Electromagnetic switch. 2,003,021; May 28.

Sundstrand Machine Tool Co. (See Buell, Timothy B., assignor.)

Sundstrand Machine Tool Co. (See Dumser, L. A., and Floody, assignors.)

Sunnen, Joseph, Kirkwood, Mo. Grinding machine guide block. 2,002,649; May 28.

Surface Combustion Corporation. (See Weller, Harvey C., assignor.)

Suter, Richard. (See Niederhauser, Jacob, assignor.)

Sutter, Louis M., Oakland, Calif. Display box. 2,002,618; May 28.

Symington Company, The. (See Barrows, Donald S., assignor.)

Syp, Glen E., et al. (See Stremel, Joseph, assignor.)

Tapper, George O. (See Graham, G. A., and Tapper.)

Tatter, John W., Detroit, assignor, by mesne assignments, of one-half to E. I. Ingersoll, Dearborn, Mich. Clutch. 2,002,841; May 28.

Taylor, William J., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 2,003,159; May 28.

Teuhen, James M., Detroit, Mich. Apparatus for molding water closet rims. 2,002,873; May 28.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)

Teller, Jacob, New Rochelle, and A. P. Schulz, New York, assignors to Teller Stove Designing Corporation, New York, N. Y. Cooking range. 2,003,059.

Teller Stove Designing Corporation. (See Teller, J., and Schulz, assignors.)

Tetlow, Lewis J., Holyoke, Mass. Spark plug. 2,002,803; May 28.

Texas Company, The. (See De Florez, Luis, assignor.)

Texas Company, The. (See Detwiler, J. G., Heisig, Rossnell, and Hull, assignors.)

Texas Company, The. (See Kaufman, Gus, assignor.)

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Thomas, William S., assignor of one-half to E. L. Heckert, Montoursville, Pa. Thermostatic controlling device. 2,003,060; May 28.

Thomasma, Harry, Grand Rapids, Mich. Seat cover holder. 2,002,721; May 28.

Thompson, Henry H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Beacon. 2,003,022; May 28.

Thompson, Lincoln, Naugatuck, Conn. Electro-dynamic loud speaker. 2,002,926; May 28.

Thompson Products, Incorporated. (See McBride, Eugene A., assignor.)

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Frost shield. 2,002,722; May 28.

Thorssell, Carl T., and A. Kristensson, Cassel, Germany. Production of potassium carbonate. 2,002,681; May 28.

Torigian, John, Queens Village, assignor to The Drug Products Co. Inc., Long Island City, N. Y. Therapeutic agent and making colloidal calcium malate. 2,002,842; May 28.

Torstenson, Elmer L., Evanston, Ill. Sign. 2,003,126; May 28.

Townley, William, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for splicing strips of paper. 2,002,554; May 28.

Townsend, Arthur J., and E. S. Miller, assignors, by mesne assignments to H. M. Naugle and A. J. Townsend, Canton, Ohio. Method and apparatus for rolling uniform gauge stock. 2,003,160; May 28.

Townsend, Arthur J., et al. (See Townsend, A. J., and Miller, assignors.)

Transportation Systems, Inc. (See Main, David W., assignor.)

Treesdale Laboratories, Inc. (See Hochstetter, Frederick W., assignor.)

Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Protective system. 2,002,555; May 28.

Truesdell, Arthur E., Pittsfield, Mass. Thread or yarn cleaner. 2,002,843; May 28.

Truscon Steel Company. (See Schulz, Walter F., assignor.)

Truscon Steel Company. (See White, Herbert E., assignor.)

Tubbs, Ira I., Superior, Wis. Shoe cleat. 2,002,556; May 28.

Tupper, Earl S., Shirley, Mass. Removable rumble seat top. 2,002,514; May 28.

Turner, Richard H., Beverly, Mass. Bow for stringed instruments. 2,003,161; May 28.

Ulmer, Donald L., Binghamton, N. Y. Adjustable dolly. 2,003,162; May 28.

Underwood, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Ejector for saturators. 2,002,557; May 28.

Underwood Elliott Fisher Company. (See Foothorap, Harry A., assignor.)

Union Carbide and Carbon Research Laboratories, Inc. (See Southgate, George T., assignor.)

Union Metal Products Company. (See Gilpin, Garth G., assignor.)

Union Oil Company of California. (See Merrill, D. R., and Subkow, assignors.)

Union Special Machine Company. (See Rubel, Charles F., assignor.)

Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)

Union Switch & Signal Company, The. (See Bone, H. L., and Logan, assignors.)

Unipress Company, The. (See Raynolds, J. F., and Wilhelm, assignors.)

United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)

United Shoe Machinery Corporation. (See Hart, G. T., Jr., and Winkley, assignors.)

United Shoe Machinery Corporation. (See MacDonald, Clifford K., assignor.)

United Shoe Machinery Corporation. (See Secly, T. H., and Ballard, assignors.)

United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)

United Shoe Machinery Corporation. (See Whitaker, Carl F., assignor.)

United States Gauge Company. (See Klein, Maximilian, assignor.)

United States Gypsum Company. (See Balduf, Bruno E., assignor.)

United States Gypsum Company. (See Townley, William, assignor.)

United States Radiator Corporation. (See McIntire, James F., assignor.)

United States Rubber Company. (See Cobb, H. Z., and Francis, assignors.)

United States Rubber Company. (See Madge, Norman G., assignor.)

United States Rubber Company. (See Meuser, L., and Leaper, assignors.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Ritscher, Friedrich A., assignor.)

Urfer, Adolf, Richmond Hill, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Altimeter. 2,002,874; May 28.

Utica Radiator Corporation. (See Bair, Edward J., assignor.)

Utica Towel Cabinet Corp. (See Darman, Joseph, assignor.)

Van Horn, Junius B. (See Mendenhall, E., and Van Horn.)

Van Horn, Junius B. (See Mendenhall, E., Van Horn, and Coberly.)

Vaughan, Arthur H., assignor to The Electric Furnace Company, Salem, Ohio. Stretching machine and operating the same. 2,003,127; May 28.

Vazquez, Alejo V., New York, N. Y. Adjustable lock for windows. 2,003,128; May 28.

Venters, Keith L., Eugene, Oreg. Shoe sole-cementing machine. 2,002,650; May 28.

Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,002,927; May 28.

Vereinigte Stahlwerke Aktiengesellschaft. (See Buchholtz, Herbert, assignor.)

Vickery, George P., Glendora, assignor to Food Machinery Corporation, San Jose, Calif. Fruit sizer. 2,003,097; May 28.

Victor Chemical Works. (See Gnox, William H., Jr., assignor.)

Vila y Colombo, Juan A., Habana, Cuba. Radio receiving set. 2,003,250; May 28.

Vitreous Enameling Company, The. (See Weierich, Andrew C., assignor.)

Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Doorlock. 2,002,619; May 28.

Voke, Carl E., and C. E. Denbow, said Voke, assignor of one-tenth to C. S. Londenslager, Columbus, Ohio. Closure. 2,002,723; May 28.

Von Holtz, Charles T., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Interlocking connection. 2,002,558; May 28.

Von Issendorff, Jürgen, Berlin-Siemensstadt, and F. Netzsch, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Mercury vapor or noble gas rectifier with arc control. 2,003,023; May 28.

Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Guy insulating and grading means. 2,003,225; May 28.

W-K-M Company. (See Laurent, Milton P., assignor.)

Wagner Electric Corporation. (See Dick, Burns, assignor.)

Wagner Electric Corporation. (See Kelpe, Walter F., assignor.)

Wagner, Walter C., Ardmore, Pa., and G. B. Schleicher, Clementon, N. J. Antitampering meter. 2,002,968; May 28.

Wakefield, C. C., & Company. (See Bliss, John, assignor.)

Walgreen, Charles R., Jr., assignor to Walgreen Co., Chicago, Ill. Card playing device. 2,002,593; May 28.

Walgreen Co. (See Walgreen, Charles R., Jr., assignor.)

Walker, Brooks, Piedmont, Calif. Motor vehicle lifting and traversing device. 2,002,724; May 28.

Walker Dishwasher Corporation. (See Clark, Jesse H., assignor.)

Walker, Prescott H. (See Benner, R. C., Walker, and Soley.)

Wallace, Alexander, New Rochelle, assignor of two-fifths to L. H. Saper and M. Cohen, New York, N. Y. Tool. 2,003,061; May 28.

Wallace, Charles F., Westfield, assignor to Wallace & Tierman Products, Inc., Belleville, N. J. Circuit controlling device. 2,002,804; May 28.

Wallace & Tierman Products, Inc. (See Wallace, Charles F., assignor.)

Wantosch, Josef. (See Müller, K., Döring, and Wantosch.)

Wappler, Frederick C., New York, N. Y. Surgical resection. 2,002,559; May 28.

Wappler, Frederick C., executor. (See Wappler, Reinhold H. and F. C.)

Wappler, Reinhold H., deceased, Yonkers, and F. C. Wappler, New York, N. Y., F. C. Wappler, executor. Instrument for electro-surgical treatment of tissue. 2,002,594; May 28.

Wappler, Frederick C., New York, N. Y. Telescopic instrument. 2,002,595; May 28.

Warner & Swasey Company, The. (See Burrell, Edward R., assignor.)

Warner & Swasey Company, The. (See Lange, M. E., and Burger, assignors.)

Warren, Henry E., Ashland, Mass., assignor to Warren Telechron Company. Drive from sealed gear casing. 2,003,163; May 28.

Warren Telechron Company. (See Warren, Henry E., assignor.)

Washington Institute of Technology, Inc. (See Brockstedt, Theophile E., assignor.)

Washington Machinery and Supply Company. (See Rawson, Harry H., assignor.)

Watling Manufacturing Company. (See Watling, Thomas W. B., assignor.)

Watling, Thomas W. B., assignor to Watling Manufacturing Company, Chicago, Ill. Coin chute. 2,002,560; May 28.

Watson, Ann. (See Campbell, L. W., and Watson, assignor.)

Watson, Wilber P. (See Campbell, L. W., and Watson.)

Waxler, Reuben L., et al. (See King, Walter E., assignor.)

Weatherhead Company, The. (See Stecher, Henry D., assignor.)

Weber, Albert L. (See McLean, H. C., and Weber.)

Webster, Hugh G., assignor of one-half to J. W. G. Winnett, London, Ontario, Canada. Polymerization of nickel carbonyl. 2,002,805; May 28.

Weierich, Andrew C., assignor to The Vitreous Enameling Company, Cleveland, Ohio. Producing ornamental enameled ware. 2,002,806; May 28.

Welbeloved, William F. (See French, H., and Welbeloved.)

Weller, Harvey C., Salem, assignor to Surface Combustion Corporation, Toledo, Ohio. Burning fuel gas. 2,003,226; May 28.

Werring, Walter W., Brooklyn, N. Y., and T. S. Huxham, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Number plate for telephone dials. 2,002,969; May 28.

Wescott, William B., Dover, Mass., assignor to Multigraph Company, Wilmington, Del. Etching planographic plates, composition therefor, and resulting product. 2,003,268; May 28.

West, Charles P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current control apparatus. 2,003,024; May 28.

Westerbeck, Frederick, University City, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Closure. 2,003,025; May 28.

Western Electric Company. (See Carter, Herbert F., assignor.)

Western Electric Company. (See Larsen, Einer W., assignor.)

Western Electric Company. (See Moller, Kasper F., assignor.)

Western Electric Company. (See Otto, Edward A., assignor.)

Western Electric Company. (See Schoof, Arthur W., assignor.)

Western Electric Company. (See Scott, Kenneth L., assignor.)

Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)

Westhoff, Ernest W., Detroit, Mich. Manufacturing an aluminum alloy. 2,002,758; May 28.

Westinghouse Air Brakes Company, The. (See Hewitt, Ellis E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baker, John G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Eames, William F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ellett, E. Vernon, assignor.)

Westinghouse Electric & Manufacturing Company, et al. (See Ferguson, R. W., and Sparkes, assignors.)

Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sashoff, Stephan P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Henry H., assignor.)
Westinghouse Electric & Manufacturing Company. (See von Isendorff, Jürgen, and Netzsch, assignors.)
Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wright, Ralph H., assignor.)
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body. 2,002,596; May 28.
Whitaker, Alfred, West Drayton, England, assignor to Radio Corporation of America, New York, N. Y. Photographic sound record. 2,002,620; May 28.
Whitaker, Carl F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,003,026; May 28.
White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,003,098; May 28.
White, Herbert E., Cleveland, assignor to Truscon Steel Company, Youngstown, Ohio. Vehicle brake. 2,002,990; May 28.
White, John W. (See Balsch, C. F., and White.)
White Motor Company, The. (See Wise, Karl M., assignor.)
Whitson, John W., San Francisco, Calif. Card selecting apparatus. 2,002,807; May 28.
Whitson, John W., San Francisco, Calif. Card filing and segregating apparatus. 2,002,808; May 28.
Wickenden, Leonard, Manhasset, and J. J. Naugle, New York, N. Y. Preparing activated vegetable carbons. 2,002,651; May 28.
Wickwire Brothers. (See Wickwire, Charles C., assignor.)
Wickwire, Charles C., assignor to Wickwire Brothers, Cortland, N. Y. Combined staple and strap. 2,003,062; May 28.
Wiesler, Karl, Konstans, Badenia, assignor to Deutsche Gold-und Silber-Scheidenanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Generation and maintenance of constant gas pressure in closed systems. 2,002,621; May 28.
Wike, Reginald E., Detroit, Mich. Starter construction. 2,002,841; May 28.
Wilhelm, Fred C. (See Raynolds, J. F., and Wilhelm.)
Williams, Ira. (See Lube, H. A., and Williams.)
Williams, Ira, Woodstown, N. J., and B. Dales, Chadds Ford, Pa., assignors to E. I. duPont de Nemours & Company, Wilmington, Del. Natural and artificial rubber latex. 2,002,622; May 28.
Williams Oil-O-Matic Heating Corporation. (See Celander, Philip A., assignor.)
Williams, William D., Atwood, Ontario, Canada. Apparatus for making cheese. 2,002,597; May 28.
Williamson, Peter, Jr., Everett, Mass., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating system and method. 2,002,809; May 28.
Willshaw, Harry, Wylde Green, and F. A. Davenport, Erdington, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for the manufacture of pneumatic tires. 2,002,910; May 28.
Wilson, Carrol J., Jonesboro, Tex. Foot operable playing attachment for pianos. 2,003,227; May 28.
Wilson, Walter G., Martyr Worthy, Winchester, England. Fluid transmission of power. 2,002,760; May 28.
Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)
Winkley, Erastus E. (See Hart, G. T., Jr., and Winkley.)
Winnett, John W. (See Webster, Hugh G, assignor.)
Wirbatz, Wilhelm. (See Müller, R., Schenck, and Wirbatz.)
Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
Wise, Karl M., Buffalo, N. Y., assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle. 2,003,164; May 28.
Wittkowski, Hermann. (See Hinrichs, W. J. H., and Wittkowski.)
Wood, Allen H., Jr., Winchester, assignor to C. M. Kimball Co., Everett, Mass. Applicator for liquids. 2,002,598; May 28.
Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Method of and apparatus for drawing glass. 2,002,875; May 28.
Wootten, George B., Sudbury, Ontario, Canada. Orthoptic instrument. 2,003,165; May 28.
Workman, Esau, Corcoran, Calif. Internal combustion engine. 2,002,759; May 28.
Worrall, Robert H., Washington, D. C. Producing color in television. 2,002,515; May 28.
Worthington Pump and Machinery Corporation. (See Schorle, Herman J., assignor.)
Wright, Ralph H., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control for shearing apparatus. 2,003,027; May 28.
Wyatt, James W., and J. H. Pollard, assignors to Screen Advertising, Incorporated, Dallas, Tex. Combination doorcheck and display. 2,002,725; May 28.
Wyman, Edward H., Aiken, S. C. Combined safety razor and sharpener. 2,002,682; May 28.
Ylla-Conte, José, Barcelona, Spain. Construction of lenses for concentrating the heat of the sun. 2,003,070; May 28.
Young, Leonard A., Detroit, Mich. Golf ball. 2,002,726; May 28.
Youngstown Sheet & Tube Company, The. (See Mirfield, G. E., Lewis, Firth, and Neale, assignors.)
Youngstown Steel Door Company. (See Beauchamp, Wilfred A., assignor.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Zaiger, Louis, Lynn, Mass. Windshield heater. 2,003,028; May 28.
Zancan, Ottavio, New York, N. Y. Front drive for motor cars. 2,003,166; May 28.
Zara, Florentino E., Maasin, Leyte, P. I. Lamp. 2,003,228; May 28.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Reamer sharpener. 2,002,971; May 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Casing head. M. T. Archer. 19,587; May 28.
Combustion regulation. G. H. Gibson. 19,592; May 28.
Electrical switch, High voltage. F. G. Baum. 19,588; May 28.
Folding mechanism. C. S. Crafts and C. A. Harless. 19,591; May 28.
Lubricating installation. J. Bijur. 19,589; May 28.
Metal, Method and mill for rolling. J. R. Coe. 19,590; May 28.
Mortuary record container. H. P. Hansen. 19,593; May 28.
Refrigeration apparatus. E. T. Williams. 19,595; May 28.
Titanium oxide suitable for use as a pigment, Manufacturing. K. Leuchs. 19,594; May 28.

LIST OF PLANT INVENTIONS

Apple. E. W. Hartman. 125; May 28.
Tree, Orange. R. Robertson. 126; May 28.

LIST OF DESIGN INVENTIONS

Barbecue machine casing. G. Garvis. 95,741; May 28.
Beer coil cleaner. H. W. Anderson. 95,724; May 28.
Beverage dispenser. O. J. Leins. 95,762; May 28.
Bottle, Decanter type. J. V. Mondi. 95,772; May 28.
Bowl. M. A. Smith. 95,783; May 28.
Bowl or similar article, Fish. C. P. Askew. 95,727; May 28.
Bowl, Sugar. C. Kaiser. 95,750; May 28.
Bracelet or similar article of jewelry. J. M. Miller and G. F. Fenton. 95,771; May 28.
Cabinet and clock, Combination advertising display. M. Pufelea. 95,780; May 28.
Carton, Collapsible. S. M. Andrews. 95,726; May 28.
Chair. W. Hoffmann. 95,745; May 28.
Coffeepot. C. Kaiser. 95,753; May 28.
Cooky. F. C. Werner. 95,784; May 28.
Creamer. C. Kaiser. 95,748; May 28.
Creamer. C. Kaiser. 95,754; May 28.
Cup. C. Kaiser. 95,751; May 28.
Dress. B. Lahn. 95,759; May 28.
Dress, Ensemble. J. Kirschner. 95,757; May 28.
Eraser. J. Meilner. 95,769; May 28.
Facial support. F. L. Brown. 95,729; May 28.
Game scoring device. W. L. Mann. 95,766; May 28.
Glove, Lady's. O. G. Goodhand. 95,742; May 28.
Heater. H. F. Hadley. 95,743; May 28.
Jack. G. G. Hein. 95,744; May 28.
Jar, Cooky. C. Kaiser. 95,755; May 28.
Knife, nail file, and pencil, Combined. P. A. Peterson. 95,778; May 28.
Knitted dress. M. Feldman. 95,786; May 28.
Lace. W. R. Adaire. 95,723; May 28.
Lace. B. Edson. 95,735; May 28.
Lighter, Pocket. J. Galter. 95,740; May 28.
Motor casing. E. R. Mross. 95,774; May 28.
Nozzle, Vaginal syringe. R. Lewis. 95,763; May 28.
Paper, or similar article, Fancy. N. E. Scott. 95,782; May 28.
Plate or similar article. C. Kaiser. 95,752; May 28.
Plate or similar article. C. W. Leigh. 95,760–1; May 28.
Refrigerator cabinet or similar article. J. C. Buchanan. 95,730; May 28.
Sandal or similar article. J. C. Marks. 95,767; May 28.
Score sheet. R. F. Power. 95,779; May 28.
Shade, Lamp. I. Batkin. 95,728; May 28.
Shoe. J. E. Andrews. 95,725; May 28.
Shoe. E. W. Dunbar. 95,732; May 28.
Shoe. J. Fishman. 95,736–7; May 28.
Shoe. S. Fradkin. 95,738; May 28.
Shoe. A. Perugia. 95,775–6; May 28.
Siding. J. J. Cahill and E. F. McClintock. 95,731; May 28.
Sign. G. D. Duntze. 95,734; May 28.
Skate, Roller. J. R. Morgan and J. S. Coldwell. 95,773; May 28.
Skate, Roller. E. E. Whitney. 95,785; May 28.
Smoker's pipe. L. M. Francis. 95,739; May 28.
Spoon, Toothbrush. J. E. Peterkin and F. W. Marlow. 95,777; May 28.
Stand for a hand telephone, Desk. G. R. Lum. 95,765; May 28.
Teapot. C. Kaiser. 95,749; May 28.
Teapot. C. Kaiser. 95,756; May 28.
Textile fabric or similar article. J. L. Lien. 95,764; May 28.
Textile fabric or similar article of manufacture. A. Schumacher. 95,781; May 28.
Tire or similar article. R. W. Hutchens. 95,746; May 28.
Toilet. G. C. Duncan, Jr. 95,733; May 28.
Top spinning device. E. Kleinofen. 95,758; May 28.
Toy locomotive. L. Marx. 95,768; May 28.
Vault, Burial. W. E. Jaquith. 95,747; May 28.
Vehicle, Child's. G. R. Mellon. 95,770; May 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abdominal support. R. B. McMurry. 2,003,210; May 28.
Abrading machine. C. Johnson. 2,002,665; May 28.
Abrading or polishing machine. C. Johnson and C. L. Mattison. 2,002,666; May 28.
Acid, Purification of strong phosphoric. W. H. Knox, Jr. 2,003,051; May 28.
Adjustable work carrying table. H. Q. Munn. 2,003,263; May 28.
Adjusting device for looms and controlling the beating-up operation. I. Lewin and C. W. Geler. 2,002,953; May 28.
Advertising and display device, Combined. R. J. Carboni. 2,003,244; May 28.
Advertising device. R. F. Outcault. 2,002,675; May 28.
Advertising device, Pincushion. H. F. Carlston. 2,002,756; May 28.
Aeroplane. J. Hojnowski. 2,002,740; May 28.
Aeroplane steering mechanism. H. A. Douglas. 2,002,528; May 28.
Air, Apparatus for conditioning. H. E. Smith and A. W. Smith. 2,002,802; May 28.
Air chuck. J. C. Crowley. 2,003,039; May 28.
Aircraft. W. L. Lewis. 2,003,206; May 28.
Airplane. W. K. Rose. 2,003,223; May 28.
Alarm system for tractor-trailer combinations. H. H. Robinson. 2,002,833; May 28.
Alkali metal compound recovery from waste organic mixtures. G. T. Reich. 2,002,797; May 28.
Altimeter. A. Urfer. 2,002,874; May 28.
Aluminum alloy, Manufacturing an. E. W. Westhoff. 2,002,758; May 28.
Anchor, Earth. A. B. Chance. 2,002,628; May 28.
Antitampering meter. W. C. Wagner and G. B. Schleicher. 2,002,948; May 28.
Applicator cap. J. J. Pahls. 2,002,752; May 28.
Applicator for liquids. A. H. Wood, Jr. 2,002,598; May 28.
Arc lamp. H. J. Brunk. 2,003,104; May 28.
Arc lamp. E. C. Richardson. 2,002,549; May 28.
Area measuring machine. G. T. Hart, Jr., and E. E. Winkley. 2,002,574; May 28.
Armature winding machine. F. A. Baldwin. 2,003,169; May 28.
Articles, Apparatus for forming. K. F. Moller. 2,002,705; May 28.
Articles, Apparatus for gauging and adjusting. A. W. Schoof. 2,002,679; May 28.
Articles of bonded granules, Method and apparatus for manufacturing. R. C. Benner, P. H. Walker and W. G. Soley. 2,003,131; May 28.
Artificial products of regenerated cellulose. H. Mahn, H. Meyer and H. Pfannenstiel. 2,002,822; May 28.
Asphalt, Making. E. B. McConnell. 2,002,670; May 28.
Automobile jack. F. Minutillo. 2,003,213; May 28.
Axle unit for trucks, Extension. R. P. Divney. 2,002,851; May 28.
Axle unit for trucks, Third. R. P. Divney. 2,002,852; May 28.
Back lash remover. C. B. De Vlieg. 2,002,991; May 28.
Bag: *See*—
Golf bag. Luggage bag.
Hand bag. Traveling bag.
Lady's hand bag.
Bag, Apparatus for molding a liquid. A. Richards. 2,003,062; May 28.
Baggage carrier. P. Rossi. 2,002,836; May 28.
Ball, Golf. L. A. Young. 2,002,726; May 28.
Band or article, Body treating. O. L. Mills. 2,002,673; May 28.
Basket, Knock-down. H. M. Potter. 2,002,582; May 28.
Battery terminal connecter, Storage. F. Pavlovic and J. G. Sistic. 2,003,053; May 28.
Beacon. H. H. Thompson. 2,003,022; May 28.
Bearing. C. G. Janson. 2,003,080; May 28.
Bearing structure. E. Mendenhall and J. B. Van Horn. 2,002,908; May 28.
Bed tray table. A. Brown. 2,003,241; May 28.
Bellows, Expansible. R. E. Newell. 2,003,119; May 28.
Bellows, Meter. E. Rockafellow. 2,002,870; May 28.
Belt, Colostomy. M. A. Bowman. 2,002,931; May 28.
Belt connecter. E. H. Kremer. 2,002,897; May 28.
Belt for paper making machines, Woven wire. H. G. Spechat. 2,003,123–4; May 28.
Blade runner, Adjustable. C. Fuchs. 2,002,735; May 28.
Blind, Venetian. J. E. Cooper. 2,003,174; May 28.
Block: *See*—
Grinding machine guide block.
Blower for cleaning the tubes of steam generators and the like, Fluid pressure operated. R. I. Moses. 2,002,787–8; May 28.
Boat construction, Antivibration. B. E. Baldut. 2,002,517; May 28.
Bow for stringed instruments. R. H. Turner. 2,003,161; May 28.
Box: *See*—
Display box.
Box opening device. S. P. F. Sneed. 2,002,591; May 28.
Box piling. A. Borberg. 2,002,521; May 28.
Brake: *See*—
Clutch brake. Vehicle brake.
Electropneumatic brake.
Brake. J. Melling. 2,002,786; May 28.
Brake apparatus, Hydraulic. E. G. Carroll. 2,003,247; May 28.
Brake drum construction. J. E. Batle. 2,003,063; May 28.
Brake drum construction. C. W. Sinclair. 2,003,055; May 28.
Brake for automotive vehicles. G. W. Harper and A. R. Catto. 2,002,813; May 28.
Brake rigging. W. H. Baselt. 2,002,930; May 28.
Brake testing machine. F. P. Bucklein. 2,002,764; May 28.
Braking apparatus, Railway. H. L. Bone and J. W. Logan, Jr. 2,003,035; May 28.
Braking mechanism. C. F. Balsch and J. W. White. 2,002,876; May 28.
Brinell-numbers, Apparatus for the determination of. S. L. E. Falk. 2,002,495; May 28.
Broaching machine. M. Romaine and E. G. Roehm. 2,002,924; May 28.
Broaching tool. F. F. Graham, Jr. 2,003,144; May 28.
Bronze, bronze powders and making the same. E. J. Hall. 2,002,891; May 28.
Broom, Vacuum. W. Leathers. 2,002,636; May 28.
Buckle. J. R. Bryant. 2,002,490; May 28.
Buckle and making same. J. Jacobs. 2,002,946; May 28.
Buffer spring for railway passenger cars. G. G. Gilpin. 2,002,632; May 28.
Building construction. G. R. Collins. 2,002,934; May 28.
Building construction. M. C. Rosenblatt. 2,002,510; May 28.
Building construction. F. M. Venzie. 2,002,927; May 28.
Bulldozer. C. J. Bath. 2,002,563; May 28.
Burner: *See*—
Oil burner.
Burner. B. Q. P. Foss. 2,002,660; May 28.
Burner for heavy liquid fuels. G. Lucich. 2,003,181; May 28.
Butter-molding device. O. C. Jackson. 2,003,197; May 28.
Cabinet, Dispensing. A. Galante. 2,003,044; May 28.
Cabinet, Refrigeration. P. A. Celander. 2,003,274; May 28.
Cabinet, Shower bath. E. F. Niedecken. 2,002,789; May 28.
Cabinet, Towel vending. J. Darman. 2,002,568; May 28.
Cabinet, Viewing. F. T. Powers. 2,002,867; May 28.
Cage for parison molds. A. W. Beeson. 2,003,064; May 28.
Calcium carbamate, Production of. N. Caro, A. R. Frank, and H. H. Franck. 2,002,656; May 28.
Calendar, Advertising. J. S. Fisher. 2,003,142; May 28.
Camera, Roll film. B. Mayer. 2,002,824; May 28.
Can top, Quick-opening. R. Bergman. 2,002,564; May 28.
Can top remover. J. H. Mullan. 2,002,906; May 28.
Capacitor motor. J. G. Baker. 2,003,031; May 28.
Car, House. F. Ditchfield. 2,003,040; May 28.
Cars, Antiback roll mechanism for. C. M. Jameson. 2,002,857; May 28.
Carbon, Activated. E. T. Olson. 2,003,277; May 28.
Carbonaceous material, Destructive hydrogenation of. P. Herold and H. Kaufmann. 2,002,997; May 28.
Carbons, Preparing activated vegetable. L. Wickenden and J. J. Naugle. 2,002,651; May 28.
Carburetor. E. S. Almaraz and E. C. San Antonio. 2,002,928; May 28.
Carburetor. J. S. Culp. 2,002,732; May 28.
Card filing and segregating apparatus. J. W. Whitson. 2,002,808; May 28.
Card playing device. C. R. Walgreen, Jr. 2,002,593; May 28.
Card selecting apparatus. J. W. Whitson. 2,002,807; May 28.
Carrier: *See*—
Baggage carrier.
Carton. C. J. Alfred. 2,002,485; May 28.
Casket, Burial. L. N. Strunk. 2,003,096; May 28.
Caster. O. Clay. 2,003,249; May 28.

Casting machine and method, Centrifugal. W. D. Sargent. 2,002,962; May 28.
Cathode glowlamp. A. F. Henninger, Jr. 2,002,775; May 28.
Cellulose acetate, Treating. R. Müller, M. Schenck, and W. Wirbatz. 2,002,674; May 28.
Cellulose derivatives containing an inorganic substituent. M. Hagedorn, O. Reichert, and E. Guhring. 2,002,811; May 28.
Cement, Apparatus for making Portland. T. Avnsoe. 2,002,972; May 28.
Cementitious material, Producing. G. A. Hoggatt. 2,002,945; May 28.
Centrifugal pump. F. B. Allen. 2,003,168; May 28.
Centrifugal separator. H. O. Lindgren. 2,002,954; May 28.
Chair. J. W. Carpenter. 2,002,765; May 28.
Chair construction, Morris. H. Saeger. 2,003,157; May 28.
Cheese, Apparatus for making. W. D. Williams. 2,002,597; May 28.
Chute, Coin. T. W. B. Watling. 2,002,560; May 28.
Cigarette dispenser and igniter, Combined. L. M. Jackson and C. A. Prescott. 2,003,195; May 28.
Cigarette holder. W. Eisenberg. 2,002,494; May 28.
Cigarettes, Apparatus for the production of. W. F. M. Edwards and R. F. Mayo. 2,002,886; May 28.
Cigarettes or similar articles into pocket-like packages, Device for introducing. F. A. Ritscer. 2,002,616; May 28.
Circuit breaker system, Automatic reclosing. E. V. Ellett. 2,003,042–3; May 28.
Circuit, Control. V. T. Callahan. 2,003,036; May 28.
Circuit controller. S. S. Green. 2,003,260; May 28.
Circuit controlling device. C. F. Wallace. 2,002,804; May 28.
Circuit controlling mechanism, Electric. J. Sachs. 2,002,587; May 28.
Circuit, Electrical control. E. O. Erickson. 2,002,769; May 28.
Circuit, Power supply. S. M. Hammer. 2,002,774; May 28.
Circuit, Surge limiting. W. W. Sturdy. 2,002,617; May 28.
Clamp. T. Pesel. 2,003,090; May 28.
Clasp. H. H. Jones. 2,002,939; May 28.
Clasp, Dental. J. V. Amenta. 2,003,030; May 28.
Clasps for corsets and the like, Stud-and-eye. J. A. Rice. 2,003,222; May 28.
Cleaner: *See*—
Electric vacuum cleaner. Suction cleaner.
Floor cleaner. Thread or yarn cleaner.
Cleat, Shoe. I. I. Tubbs. 2,002,556; May 28.
Clock Alarm. C. Jauch. 2,002,998; May 28.
Closet rims, Apparatus for molding water. J. M. Teahen. 2,002,873; May 28.
Closure. J. N. Halkett. 2,003,046; May 28.
Closure. C. E. Yoke and C. E. Denbow. 2,002,723; May 28.
Closure. F. Westerbeck. 2,003,025; May 28.
Clutch: *See*—
Friction clutch.
Clutch. F. C. Fisher. 2,002,979; May 28.
Clutch. A. J. Hartley. 2,002,943; May 28.
Clutch. E. W. Larsen. 2,002,699; May 28.
Clutch. J. W. Tatter. 2,002,841; May 28.
Clutch brake. B. Jenkins. 2,003,198; May 28.
Clutch or brake, or like mechanism. J. Melling. 2,002,785; May 28.
Coal in a chamber oven; retorts and the like, Process and apparatus for compressing. H. Petsch. 2,002,614; May 28.
Coating apparatus. S. C. Porter. 2,002,507; May 28.
Coatings, Producing moistureproof and air tight. W. J. H. Hinrichs and H. Wittkowski. 2,003,192; May 28.
Color in television, Producing. R. H. Worrall. 2,002,515; May 28.
Compass, Magnetic. H. T. Faus. 2,003,179; May 28.
Compasses, Follow-up system for magnetic. M. F. Bates. 2,003,270; May 28.
Composition for coating sheets, fibrous stocks, and the like. C. M. Boyce. 2,003,065; May 28.
Compressor, Rotary. J. J. Morch. 2,002,827; May 28.
Compressor unit. F. J. Heldeman. 2,002,575; May 28.
Concrete form holding means. S. S. Colt. 2,002,526; May 28.
Condenser: *See*—
Electrical condenser.
Conductor, Extensible electric. K. Herkenberg. 2,002,739; May 28.
Confection, Frozen. F. L. Schade. 2,002,963; May 28.
Connecter: *See*—
Battery terminal connecter Belt connecter.
Connecter cap. F. C. Kollath. 2,002,779; May 28.
Connection, Interlocking. C. T. Von Holtz. 2,002,558; May 28.
Constituents of mineral oils, Separating. H. T. Bennett. 2,003,239; May 28.
Container: *See*—
Mortuary record container. Shipping container.
Container. J. M. Driver. 2,003,182; May 28.
Container. S. Karasik. 2,002,742; May 28.
Container. E. J. Schoettle. 2,003,224; May 28.
Container and cooler, Beer. H. Iselin. 2,003,050; May 28.
Container or receptacle, Display. M. M. Einson. 2,002,493; May 28.
Continue process and apparatus. A. Hartmann, W. Roefinghoff, G. Bauriedel, and W. Ostermann. 2,002,994; May 28.
Continue process and apparatus. W. Hoefinghoff and A. Hartmann. 2,002,996; May 28.
Continue process apparatus. A. Hartmann, W. Hoefinghoff, A. Luchtenberg, and H. Kempf. 2,002,995; May 28.
Control apparatus for car connecters. W. H. Smith. 2,003,017; May 28.
Control device. J. E. Renholdt. 2,002,798; May 28.
Control device for pumping systems. E. Mendenhall and J. B. Van Horn. 2,002,912; May 28.
Control device for rolling mills. C. E. Bedell. 2,003,129; May 28.
Control for gyrator-type washing machines. L. B. Green. 2,002,573; May 28.
Control for elevators, System of. S. N. Rubin. 2,002,986; May 28.
Control for railway signal systems. F. H. Richterkessing. 2,003,266; May 28.
Control for shearing apparatus. R. H. Wright. 2,003,027; May 28.
Control head. W. E. King. 2,002,539; May 28.
Control mechanism. E. T. Dahl. 2,002,692; May 28.
Control mechanism. R. S. Sanford. 2,002,511; May 28.
Control mechanism for belt driven apparatus. R. C. Straube. 2,002,648; May 28.
Control mechanism for typewriting machines. H. A. Foothorap. 2,002,695; May 28.
Control of electrical devices, Remote. H. R. Mallory and S. Ruben. 2,002,541; May 28.
Control system. W. F. Eames. 2,003,041; May 28.
Control system. S. C. Henton and M. B. Rankin. 2,003,047; May 28.
Controlling arrangement for a gas burner. F. W. Stockmeyer and W. Römmelt. 2,002,513; May 28.
Conveyer. C. K. Pevear. 2,002,830; May 28.
Corrosion, Preventing. H. E. Buc. 2,002,523; May 28.
Cosmetic holder. G. F. Richter. 2,002,716; May 28.
Coupler. J. Elliott and J. Chalmers. 2,002,658; May 28.
Coupler. W. F. Richards. 2,002,508; May 28.
Coupling: *See*—
Hose coupling.
Coupling device, High-frequency. A. Crossley and H. E. Melnema. 2,002,500; May 28.
Coupling for pipe lines, electric lines on railway and other vehicles and the like, Automatic. W. Kaiser and H. Balke. 2,003,082; May 28.
Coupling for pump rods, trailer hitches and the like. H. A. Onken. 2,002,922; May 28.
Cover: *See*—
Water tank cover.
Cover bag for cages. M. D. Robison. 2,002,925; May 28.
Cover for spare tires of automobiles. G. A. Lyon. 2,002,784; May 28.
Coverings automatically on the seats of water closets, Device for placing protective. C. Jorlot. 2,002,948; May 28.
Crate, Bottle. H. V. Bowman. 2,003,133–5; May 28.
Crib, Folding. H. McDaniel. 2,002,607; May 28.
Current control apparatus. C. P. West. 2,003,024; May 28.
Cutter: *See*—
Pie cutter.
Cutter blades for slicing machines, Producing. J. Hansen. 2,002,812; May 28.
Cylinder lock. S. A. Liss. 2,003,086; May 28.
Dampening mechanism for printing-presses. C. W. Harrold. 2,002,815; May 28.
Damper, Fabricated. P. S. Menough. 2,003,154; May 28.
Dating device. W. J. Pearson. 2,003,219; May 28.
Demand meter. B. H. Smith. 2,003,016; May 28.
Device for indicating whether a clock is running. B. F. Muldoon. 2,002,905; May 28.
Diameter propeller, Variable. V. H. Patriarche. 2,002,712; May 28.
Dipper construction, Excavating. W. H. Brune. 2,003,067; May 28.
Dishwasher. R. E. Marbury. 2,003,003; May 28.
Dispenser: *See*—
Tooth powder dispenser.
Dispensing device. B. P. Kinney. 2,002,635; May 28.
Dispensing device. J. Stremel. 2,002,592; May 28.
Display article and producing the same. H. Ferrill. 2,002,734; May 28.
Display box. L. M. Sutter. 2,002,618; May 28.
Dolly, Adjustable. D. L. Ulmer. 2,003,162; May 28.
Door, Car. W. A. Beauchamp. 2,003,033; May 28.
Doorcheck and display, Combination. J. W. Wyatt and J. H. Pollard. 2,002,725; May 28.
Doorlock. H. G. Voight. 2,002,619; May 28.
Door operating mechanism. I. M. Chambers. 2,003,037; May 28.
Draft appliance, Railway. W. J. Regan and E. George, Jr. 2,003,221; May 28.
Draft control. E. T. Dahl. 2,002,693; May 28.
Draft rigging. D. S. Barrows. 2,003,231; May 28.
Dredge hoisting apparatus. J. M. Bennett. 2,002,599; May 28.
Dredge, Hydraulic. A. Neveling, Sr. 2,002,748–9; May 28.

Drill pipe protector. C. K. Holt, I. B. Marsh, and J. B. Merritt. 2,002,893; May 28.
Drilling machine. F. W. Hild. 2,003,078; May 28.
Drilling machine. F. W. Hild. 2,003,079; May 28.
Drilling machine, Portable. K. H. Andren. 2,002,727; May 28.
Drip catcher for containers. R. Robinson. 2,002,677; May 28.
Drive for motor cars, Front. O. Zancau. 2,003,166; May 28.
Drive from sealed gear casing. H. E. Warren. 2,003,163; May 28.
Drive, Machine tool. H. R. Isler. 2,002,816; May 28.
Drum, Tire building. A. E. Benson. 2,002,687; May 28.
Dynamometer. J. A. Carr. 2,002,977; May 28.
Edges of metal plates, Apparatus for cutting or beveling. G. K. Hull. 2,003,049; May 28.
Ejector for saturators. C. E. Underwood. 2,002,557; May 28.
Electric clock motor. L. Hammond. 2,003,116; May 28.
Electric discharge tube. J. W. Ryde. 2,002,837; May 28.
Electric heater. L. M. Daly. 2,003,175–6; May 28.
Electric heater. E. W. Phillips. 2,002,714; May 28.
Electric vacuum cleaner. O. Holm-Hansen. 2,003,147; May 28.
Electric wave amplifying system. E. E. Hiler. 2,002,855; May 28.
Electric wiring apparatus. V. R. Despard. 2,002,491; May 28.
Electrical condenser. T. L. Lee. 2,003,002; May 28.
Electrical quantities, Apparatus for measuring. K. L. Scott. 2,002,980; May 28.
Electrical switch. A. P. Ball. 2,002,623; May 28.
Electromagnetic switch. R. H. Sullivan. 2,003,021; May 28.
Electromagnetic translating system. B. F. Miessner. 2,002,919; May 28.
Electron discharge device. V. O. Allen. 2,002,653; May 28.
Electron discharge device. M. Knoll. 2,002,667; May 28.
Electropneumatic brake. E. E. Hewitt. 2,002,892; May 28.
Electrotherapeutic element. L. Ludwig. 2,002,744; May 28.
Elevator: *See*—
Fluid elevator.
Emulsions of thermoplastic materials, Preparation of. A. W. Hixson and J. M. Fain. 2,002,505; May 28.
Engine: *See*—
Internal combustion engine. Steam engine.
Explosion and combustion motor. C. Longobardi. 2,002,957; May 28.
Extension table. R. A. and A. H. Holland. 2,002,576; May 28.
Extraction process. D. R. Merrill and P. Subkow. 2,002,702; May 28.
Fabric guiding and seaming mechanism. C. F. Mack. 2,002,851; May 28.
Fare collection method and apparatus. F. R. and W. B. Fageol. 2,003,257; May 28.
Fastener: *See*—
Window fastener.
Fastener. E. A. Otto. 2,002,710; May 28.
Fastener for parachute harness, Quick release. S. O. C. Kuhlemann. 2,003,205; May 28.
Fastener members of sliding-clasp fasteners in rows, Apparatus for arranging the. H. Gutherlett. 2,003,196; May 28.
Feeder: *See*—
Glass feeder.
Ferric compounds, Production of. S. I. Levy and G. W. Gray. 2,002,859; May 28.
File, Route. T. W. Flory. 2,002,887; May 28.
Filing system. J. M. Keplar. 2,003,202; May 28.
Film, Producing uniform motion in a sound. L. Day. 2,003,276; May 28.
Filter. C. Davies. 2,002,936; May 28.
Filter. M. F. Moran. 2,002,826; May 28.
Finish, Protective. M. J. Callahan. 2,003,068; May 28.
Finishes imitative of stone, Producing. H. Cohen. 2,002,848; May 28.
Firearm of the gas reloading type. F. N. Bröndby. 2,003,086; May 28.
Fire wall. M. Liptak. 2,002,820; May 28.
Flame and waterproofing compositions for aqueous cellulosic media, Compounding. F. W. Hochstetter. 2,003,188; May 28.
Flashing. L. Friedberg. 2,002,810; May 28.
Flash light of candle type. H. G. Graubner. 2,002,602; May 28.
Floating fish trap. H. L. Christie. 2,002,882; May 28.
Floor cleaner. F. H. Nadig. 2,003,215; May 28.
Floor cleaning machine. F. H. Nadig. 2,003,216; May 28.
Flower holder. A. W. Asman. 2,003,101; May 28.
Fluid dispensing apparatus. E. H. Lichtenberg. 2,003,153; May 28.
Fluid dispensing device. E. L. Nall. 2,002,610; May 28.
Fluid displacing pump. E. F. McCarthy. 2,003,117; May 28.
Fluid elevator. J. D. Nixon. 2,003,010; May 28.
Fluid pressure distribution system. H. L. Bone. 2,003,034; May 28.
Fluid valve. J. H. Clark. 2,003,173; May 28.
Foam for fire extinction, Producing. W. Friedrich. 2,003,184; May 28.
Food cooking device. C. A. Schroeder. 2,002,801; May 28.
Foot manipulator, Myogenic. H. Ryberg, Jr. 2,002,586; May 28.
Fourdrinier wire, Stringing a. E. E. Berry. 2,003,103; May 28.
Fractionation device and method for employing the same. C. A. Bennett and G. E. Gans. 2,002,974; May 28.
Frame: *See*—
Puzzle frame. Vehicle chassis frame.
Freezing apparatus. E. J. Murphy. 2,003,214; May 28.
Frequency control system for electric welder. J. V. Caputo. 2,003,136; May 28.
Friction clutch, Reversible. E. M. Pfauser. 2,003,155; May 28.
Fruit and other articles, Method of and apparatus for treating. E. M. Brogden. 2,003,275; May 28.
Fruit, Preserving. J. H. Hinrichs and H. Wittkowski. 2,003,191; May 28.
Fruit sizer. G. P. Vickery. 2,003,097; May 28.
Fruit treating composition and process of treating fruit. J. N. Sharma. 2,002,589; May 28.
Fuel and method of manufacture, Motor. W. A. Smith. 2,003,158; May 28.
Fuel, Carbureting heavy liquid. G. Lucich. 2,003,180; May 28.
Fuel saver. J. Blakeman. 2,002,879; May 28.
Fuels from hydrocarbon oils, Producing motor. M. L. Chappell. 2,002,729; May 28.
Furniture, Article of printer's. E. L. Kokanour. 2,002,895; May 28.
Game. J. A. Flondella. 2,002,631; May 28.
Game. Y. W. Kim. 2,003,203; May 28.
Game apparatus. J. Graner. 2,003,145; May 28.
Game, Baseball. R. A. Lemoyne. 2,003,207; May 28.
Garment. C. E. Oathout. 2,003,217; May 28.
Garment, Detachable-hood. W. Lipson. 2,002,955; May 28.
Garment protector. S. J. Goldsmith. 2,003,114; May 28.
Gas, Burning fuel. H. C. Weller. 2,003,220; May 28.
Gas mixtures, Resolution of. M. Fränko. 2,002,940; May 28.
Gas mixtures, Separating. M. Fränkl. 2,002,941; May 28.
Gas pressure in closed systems, Generation and maintenance of constant. K. Wiesler. 2,002,621; May 28.
Gas, Producing fuel. T. Nagel. 2,002,863; May 28.
Gas regulator. G. M. Deming. 2,002,884; May 28.
Gas, Utilization of high pressure. R. D. Booth. 2,002,565; May 28.
Gate valve. M. P. Laurent. 2,002,780; May 28.
Gauge: *See*—
Pressure gauge. Stone cutter gauge.
Steering arm gauge.
Gauge. F. P. Held. 2,003,188; May 28.
Gauge stock, Method and apparatus for rolling uniform. A. J. Townsend and E. S. Miller. 2,003,160; May 28.
Gear damper for engine drive transmission systems. A. H. Neuland. 2,002,828; May 28.
Gear, Steering. E. W. Miller. 2,002,746; May 28.
Gearing, Adjustable worm. W. M. Pohl. 2,002,644; May 28.
Geometrical instrument. C. W. Burt. 2,003,172; May 28.
Glare shields of vehicles, Control of. C. Chilowsky. 2,003,248; May 28.
Glass, Annealing sheet. W. L. Monro. 2,002,544; May 28.
Glass article, Decorated. E. C. Leibig. 2,002,900; May 28.
Glass feeder. T. Stenhouse. 2,003,058; May 28.
Glass gathering device, Suction. P. L. Geer, H. A. Moore, and W. A. Morton. 2,002,889; May 28.
Glass, Method of and apparatus for drawing. W. J. Woods. 2,002,875; May 28.
Glazing construction. S. K. Huston. 2,002,536; May 28.
Glow discharge device. M. Schmilerer. 2,002,551; May 28.
Glucosides of digitalis lapata and making same, Cardioactive. W. Kreis. 2,003,204; May 28.
Goggles. E. R. Meyrowitz. 2,002,543; May 28.
Golf bag. J. W. Osten. 2,002,581 May 28.
Golf ball printing machine. R. Attl. 2,002,847; May 28.
Golf playing field. B. E. Gage. 2,003,074; May 28.
Granular material, Apparatus for separating. M. I. Dorfan. 2,003,141; May 28.
Graphite into engines, Apparatus for injecting. C. R. Boden. 2,002,834; May 28.
Grease and its manufacture. G. Kaufman. 2,002,819; May 28.
Grease trap. G. J. Dehn. 2,003,139–40; May 28.
Grid glow tube structure. S. P. Sashoff. 2,003,012; May 28.
Grinding apparatus. R. E. Spurr. 2,002,967; May 28.
Grinding machine. C. Booth and A. Strom. 2,002,489; May 28.
Grinding machine, Automatic. H. Arter and W. F. Fraser. 2,003,209; May 28.
Grinding machine guide block. J. Sunnen. 2,002,649; May 28.
Grinding machinery. L. F. Nenninger. 2,002,921; May 28.
Grip for handles. G. E. Gagnier. 2,002,535; May 28.
Gripper mechanism. W. K. Eckhard. 2,002,853; May 28.

Guard, Burn. J. F. Raynolds and F. C. Wilhelm. 2,002,715; May 28.
Guard system for tractor-trailer combinations. H. H. Robinson. 2,002,832; May 28.
Gum and gum forming constituents from cracked petroleum distillates, Removing. S. M. Martin and W. A. Gruse. 2,002,902; May 28.
Guy insulating and grading means. E. C. Vrooman. 2,003,225; May 28.
Hair waving. H. Stein, C. G. Gross, and W. S. Luci. 2,002,840; May 28.
Hair waving appliance. B. M. Beskow. 2,002,487; May 28.
Hair waving method. P. R. Steinbach. 2,002,980; May 28.
Halogen-containing solutions, Purification of. H. E. Bierbaum. 2,002,654; May 28.
Hammer, Electric. E. W. Badcon. 2,002,762; May 28.
Hand bag. H. I. Kenler. 2,002,949; May 28.
Hanger: *See*—
Window and screen hange
Hanger for supporting towels, cloths, and other articles. M. R. Conigrave. 2,002,500; May 28.
Heat absorbing device for the protection of stokers. J. A. Hoffman. 2,003,194; May 28.
Heat circulator for motor vehicles. J. B. Brennan. 2,002,626; May 28.
Heat treatment of oils and fats, more particularly for the purpose of bleaching and hardening same. W. Gensecke. 2,003,076; May 28.
Heater: *See*—
Electric heater. Windshield heater.
Heater for automobiles, Hot water. R. H. Griffiths. 2,003,045; May 28.
Heating convector. E. J. Bair. 2,002,763; May 28.
Heating, power, and refrigeration purposes, Apparatus for. A. Schwarz. 2,003,122; May 28.
Heel breasting machine. T. H. Seely and M. H. Ballard. 2,002,512; May 28.
High tension contact protection. A. Bouwers. 2,002,688; May 28.
Hinged joint. J. W. Leighton. 2,002,781; May 28.
Hinging-locking mechanism. A. H. F. Perl. 2,003,008; May 28.
Holder: *See*—
Cigarette holder. Jar or bottle holder.
Cosmetic holder. Seat cover holder.
Flower holder. Welding electrode holder.
Holder for thread and the like, Suspensible clew. E. Goddemeyer. 2,003,143; May 28.
Hollow articles, such as pipe fittings and the like, and making the same. F. H. Benge. 2,003,232; May 28.
Honing tool. K. W. Connor. 2,002,567; May 28.
Hose and tubing, Manufacturing of helically groved endless. J. Kopetz. 2,002,896; May 28.
Hose coupling. H. D. Stecher. 2,002,839; May 28.
Hospital corridor light. F. L. Garrigues. 2,003,273; May 28.
Hub cap. C. W. Sinclair. 2,002,872; May 28.
Humidifier. E. T. Brace. 2,002,880; May 28.
Humidifier and air washer. H. J. Somers. 2,002,553; May 28.
Hurdle washer. W. Belmann and J. Hagenbeck. 2,003,271; May 28.
Hydrocarbons and their oxygen-containing derivatives, Separation of. P. K. Frolich and J. W. Pugh. 2,002,533; May 28.
Hydrocarbons from gaseous or lower boiling hydrocarbon materials, Production of normally liquid. P. K. Frolich. 2,002,534; May 28.
Ice creeper. F. Mong. 2,002,706; May 28.
Immersing machine. S. Przyborowski. 2,002,795; May 28.
Incinerator control. H. W. Ewing. 2,002,659; May 28.
Indicator for pressure regulators, Seat leak. G. M. Deming. 2,002,883; May 28.
Ink, Printing. E. J. Kelly. 2,002,537; May 28.
Ink, Stencil and marking. W. Ernest. 2,002,939; May 28.
Instrument for electro-surgical treatment of tissue. R. H. Wappler and F. Charles. 2,002,594; May 28.
Internal combustion engine. H. J. Hickey. 2,002,663; May 28.
Internal combustion engine. A. S. Lack. 2,002,668; May 28.
Internal combustion engine. E. Workman. 2,002,759; May 28.
Iron pyrites for the recovery of sulphur and formation of iron oxide, Treatment of. S. I. Levy. 2,002,860; May 28.
Jack: *See*—
Automobile jack. Shoe supporting jack.
Jar or bottle holder. J. L. Donovan. 2,002,767; May 28.
Jigger. H. W. Mettler. 2,002,703; May 28.
Joint: *See*—
Hinged joint.
Ketones, Production of. W. Querfurth. 2,002,794; May 28.
Key support. R. C. Legat. 2,002,858; May 28.
Kitchen utility device. A. C. Gilbert and A. A. Arnold. 2,003,259; May 28.
Knitting machine, Full fashioned. G. A. Strauch, E. F. Richter, and J. E. Garrett. 2,003,095; May 28.
Knob and the formation thereof, Ornamental. D. E. Johnson. 2,002,817; May 28.
Lady's hand bag. W. O. Benjafield. 2,003,130; May 28.
Lamp: *See*—
Arc lamp.
Lamp. F. E. Zara. 2,003,228; May 28.
Lasts, Making. C. K. MacDonald. 2,002,580; May 28.
Latch and lock mechanism. J. P. McKinney, Jr. 2,002,542; May 28.
Leather and making the same, Ornamented. G. D. Sart. 2,002,792; May 28.
Lens, Ophthalmic. N. Singer. 2,002,719; May 28.
Lenses for concentrating the heat of the sun, Construction of. J. Ylla-Conte. 2,003,070; May 28.
Light: *See*—
Hospital corridor light.
Lighter, Cigar. L. V. Aronson. 2,002,845; May 28.
Lighter, Cigarette. B. Dess. 2,002,492; May 28.
Lining for shoes, Repair. B. Caplun. 2,003,105; May 28.
Liquid dispensing device. E. L. Nall. 2,002,611; May 28.
Liquid dispensing receptacle. H. M. Matters. 2,002,959; May 28.
Liquid dispensing system. R. C. Shand. 2,002,757; May 28.
Liquid from wells, Method and apparatus for producing. J. D. Nixon. 2,003,009; May 28.
Load-limiting device. H. P. Grohn. 2,003,115; May 28.
Loading machine control mechanism. N. D. Levin and E. G. Lewis. 2,002,951; May 28.
Lock: *See*—
Cylinder lock.
Lock construction. W. E. Keller. 2,003,083; May 28.
Lock for windows, Adjustable. A. V. Vazquez. 2,003,128; May 28.
Locking means for valves. C. M. Potts and P. B. Ellington. 2,002,615; May 28.
Loud speaker, Electro-dynamic. L. Thompson. 2,002,926; May 28.
Lubricating and shock absorbing mechanism for motor vehicles, Combined. G. R. Siegrist. 2,003,014; May 28.
Lubricating apparatus. F. S. Barks and A. P. Fox. 2,003,032; May 28.
Lubricating device. A. Y. Dodge. 2,003,107; May 28.
Lubricating system and method. P. Williamson, Jr. 2,002,809; May 28.
Lubrication, Railway and tramway rail and wheel flange. E. G. Butcher and W. E. Jupe. 2,003,242; May 28.
Luggage bag. L. G. Arpin. 2,003,099–100; May 28.
Machine and method for detecting pink bollworm in cotton seed. R. E. McDonald. 2,002,745; May 28.
Machine for affixing two-part seals to string. O. Schreyer. 2,002,588; May 28.
Machine for dusting sheet materials. G. and C. Smith. 2,003,267; May 28.
Machine for making springs. A. F. Prange. 2,002,754; May 28.
Machine for papering houses, etc., and for washing windows. T. P. Greene. 2,002,633; May 28.
Machine for paving highways. A. W. French. 2,002,661; May 28.
Machine for roughing shoe parts. C. G. Brostrom. 2,002,522; May 28.
Machine for slitting welts. A. J. Beford. 2,002,486; May 28.
Machine tool. L. A. Dumser and O. W. Floody. 2,002,938; May 28.
Magnesium carbonate, Making. W. H. MacIntire. 2,003,208; May 28.
Magnetic material. G. A. Kelsall. 2,002,696; May 28.
Magnetic material and treating. R. M. Bozorth and J. F. Dillinger. 2,002,689; May 28.
Manifold for tubular driers. A. W. Lissauer. 2,002,956; May 28.
Manifolding. A. A. Johnson. 2,003,149; May 28.
Marker. G. Segelhorst. 2,002,756; May 28.
Masking apparatus for finishing articles of manufacture. H. Cohen. 2,002,849; May 28.
Massaging device. W. G. Betz. 2,003,272; May 28.
Matches and the like, Advertising book. J. Farrelly. 2,002,571; May 28.
Material handling mechanism. N. D. Levin. 2,002,952; May 28.
Material handling system for mines. E. C. Morgan. 2,003,007; May 28.
Material testing apparatus. T. E. Heppenstall. 2,003,077; May 28.
Mechanical movement. L. Greenberg. 2,002,890; May 28.
Medicinal preparation. A. E. Osterberg. 2,002,829; May 28.
Metal article and preparing same. W. R. Shimer, J. A. Kinney, and F. O. Kichline. 2,003,094; May 28.
Metal strips to rolls or rolling mills, Cleaning and feeding of. F. G. Ratcliff. 2,003,054; May 28.
Metallic structure and making the same. W. de Fries. 2,003,138; May 28.
Meter: *See*—
Antitampering meter. Demand meter.
Methyl-anthraquinone, Preparation of. L. Spiegler. 2,002,988; May 28.
Milking machine. H. L. Moreney. 2,002,920; May 28.
Mill: *See*—
Rolling mill.
Mining machine. F. A. Lindgren. 2,002,743; May 28.

Motor: *See*—
Capacitor motor. Explosion and combustion motor.
Electric clock motor. motor.
Motor and control therefor, Electric. K. Müller, F. Döring, and J. Wantosch. 2,002,546; May 28.
Motor construction. E. Mendenhall, J. B. Van Horn, and C. J. Coberly. 2,002,915; May 28.
Motor construction, Electric. R. N. Park. 2,002,793; May 28.
Motor construction, Submersible. E. Mendenhall and J. B. Van Horn. 2,002,916; May 28.
Motor for pumps, Inverted. E. Mendenhall and J. B. Van Horn. 2,002,911; May 28.
Motor pump. C. E. Sessions. 2,002,907; May 28.
Motor structure with mechanical seal, Submersible. E. Mendenhall and J. B. Van Horn. 2,002,913; May 28.
Motor with mercury-sealed balancing means, Submersible. E. Mendenhall and J. B. Van Horn. 2,002,910; May 28.
Motors and the like, Construction for submersible. E. Mendenhall and J. B. Van Horn. 2,002,914; May 28.
Mounting of motors. R. T. Smith. 2,002,646; May 28.
Moving matter, Method of and apparatus for treating. H. F. Carter. 2,002,690; May 28.
Muzzle. B. B. Bailes. 2,003,229; May 28.
N-substituted derivative of sulphoanilines. W. Neelmeier and W. Meiser. 2,002,612; May 28.
Napkin, Folded. A. E. Cofrin. 2,002,691; May 28.
Necktie, Two-piece four-in-hand. M. H. McWhirter. 2,002,828; May 28.
Nickel carbonyl, Polymerization of. H. G. Webster. 2,002,805; May 28.
Number plate for telephone dials. W. W. Werring and T. S. Hukham. 2,002,969; May 28.
Nut blanks, Making. J. A. Kinney. 2,003,084; May 28.
Nut device and making it, Screw and trunnion. J. J. McLaughlin. 2,002,671; May 28.
Oil and preparing the same, Road. P. Alexandroff. 2,002,652; May 28.
Oil and product containing it, Vulcanized asphalt. H. S. Holt. 2,002,634; May 28.
Oil burner. H. L. Fischer. 2,003,111; May 28.
Oil wells, Method of and means for flowing. H. C. Otis. 2,002,791; May 28.
Oils, Manufacturing high viscosity index. H. T. Bennett. 2,003,233; May 28.
Oils, Manufacturing high viscosity index. H. T. Bennett. 2,003,235; May 28.
Oils, Producing high viscosity index. H. T. Bennett. 2,003,234; May 28.
Oils, Producing high viscosity index. H. T. Bennett. 2,003,236; May 28.
Oils, Separating mineral. H. T. Bennett. 2,003,238; May 28.
Oils, Textile fiber spraying. J. G. Detwiler, T. C. Heisig, J. E. Rounell, and F. W. Hall. 2,002,885; May 28.
Oils, Treatment of hydrocarbon. L. de Florez. 2,003,137; May 28.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,002,747; May 28.
Oils with selective solvents, Treating mineral. H. T. Bennett. 2,003,237; May 28.
Oiler, Air-line. J. Bliss. 2,003,132; May 28.
Opening for use in aircraft construction, Access. C. E. Hathorn. 2,002,944; May 28.
Opera glass. R. G. Lester. 2,002,782; May 28.
Operating mechanism for motion picture projectors and phonographs. H. B. Gardner. 2,003,075; May 28.
Ore, Roasting sulphide. H. Freeman. 2,002,496; May 28.
Ores, Apparatus for concentrating. E. W. Davis. 2,002,979; May 28.
Orthoptic instrument. G. B. Wootten. 2,003,165; May 28.
Oven, Bake. R. P. Bolling. 2,002,655; May 28.
Oven, Baking. R. Byron. 2,002,976; May 28.
Oxidation process. F. A. Canon. 2,002,627; May 28.
Osonization products of terpene alcohols and producing. L. P. Rankin. 2,002,583; May 28.
Pail, Minnow. T. C. Forbes and O. R. Hedberg. 2,002,572; May 28.
Pan, Baking. R. Lang. 2,003,151; May 28.
Pan, Bread baking. P. A. Soderholm. 2,002,838; May 28.
Paper feeding machine. F. L. Cross. 2,002,850; May 28.
Pedestal, Supporting. A. Kindelmann and C. L. Ragot. 2,002,533; May 28.
Pen recorder, Multiple. N. Belaef. 2,002,686; May 28.
Percussive tool valve. H. J. Schorle. 2,003,121; May 28.
Petroleum fractions, Condensing. G. B. Coubrough. 2,002,731; May 28.
Petroleum product and treating same, Distillate. J. B. Rather, L. C. Beard, Jr., and O. M. Reiff. 2,002,645; May 28.
Phosphates, Decomposing raw. S. G. Nordengren. 2,002,547; May 28.
Photophone apparatus. C. R. Hanna. 2,003,048; May 28.
Pianos, Foot operable playing attachment for. C. J. Wilson. 2,003,227; May 28.
Picture system, Sound. W. J. Albersheim. 2,003,029; May 28.
Pie cutter. J. B. Deutsch. 2,003,253; May 28.
Piling device for sheet mill tables. R. H. Stevens. 2,003,122; May 28.
Pipe: *See*—
Smoking pipe.
Pipe line repair device, Hydraulic safety. H. H. Ice. 2,002,577; May 28.
Pipes, Method of and apparatus for lining metal. J. R. McWane. 2,002,701; May 28.
Piston. B. Dick. 2,003,071; May 28.
Piston. H. H. Kistner. 2,002,606; May 28.
Pistons, Device for expanding. G. B. Lose. 2,002,821; May 28.
Planographic plates, composition therefor, and resulting product, Etching. W. B. Wescott. 2,003,268; May 28.
Plastic masses and making same. W. Kraus. 2,002,540; May 28.
Plastic materials. W. Schrauth. 2,002,800; May 28.
Plate for signs, Day and night illuminated. J. M. Moore. 2,003,089; May 28.
Plow. N. F. Nordstrom. 2,002,751; May 28.
Plow for electrical signaling of railways. C. V. de Saint-Martin. 2,003,209; May 28.
Plug: *See*—
Spark plug.
Pneumatic dispatch system. W. J. Taylor. 2,003,159; May 28.
Potassium carbamate, Production of. C. T. Thorssell and A. Kristensson. 2,002,681; May 28.
Potassium carbonate or potassium hydroxide, Preparing. F. Bartling and H. Fricke. 2,002,684; May 28.
Powdered materials, Apparatus for fusing. P. P. Alexander. 2,003,167; May 28.
Power converter, Electric. G. T. Southgate. 2,003,056; May 28.
Power, Fluid transmission of. W. G. Wilson. 2,002,760; May 28.
Power transmission. R. E. and W. R. Millican. 2,003,212; May 28.
Power unit, Arc-welding. G. T. Southgate. 2,003,057; May 28.
Press: *See*—
Printing press.
Press roll shifting means, Printing. H. H. Rawson. 2,002,584; May 28.
Pressure gauge. M. Klein. 2,002,950; May 28.
Preparation of activated carbon. E. T. Olson. 2,003,278; May 28.
Priming mixture. J. D. McNutt. 2,002,960; May 28.
Printing device. A. B. Kruczek. 2,002,698; May 28.
Printing machine. W. T. Gollwitzer. 2,002,771-3; May 28.
Printing machine. E. C. Hartley. 2,002,737; May 28.
Printing mechanism, Adjustable. W. J. Pearson. 2,003,218; May 28.
Printing-press. C. W. Harrold. 2,002,814; May 28.
Prints or enlargements from developed negatives, Apparatus for making contact. E. S. Hineline. 2,003,190; May 28.
Program distribution system. E. I. Green. 2,002,603; May 28.
Projecting machine and the optical system therefor. J. D. Basson. 2,002,498; May 28.
Propeller. G. S. Faber. 2,003,073; May 28.
Protective system. A. M. Trogner. 2,002,555; May 28.
Protector: *See*—
Drill pipe protector. Toe protector.
Garment protector.
Pulp screening machine. N. M. Knight. 2,003,150; May 28.
Pump: *See*—
Centrifugal pump. Motor pump.
Fluid displacing pump. Rotary pump.
Pump. A. J. and K. T. Penick. 2,002,713; May 28.
Pumping unit, Hydraulic. J. W. McQuaid. 2,003,004; May 28.
Puzzle frame. T. A. Eynon. 2,003,072; May 28.
Puzzle, Jig saw. M. E. Noble. 2,002,750; May 28.
Pyrophoric lighting mechanism. L. V. Aronson. 2,002,846; May 28.
Rack for holding twist drills. F. L. Johnson. 2,002,983; May 28.
Radiator fin construction. O. C. Palmer. 2,002,923; May 28.
Radiators, Apparatus for making. J. F. McIntire. 2,002,903-4; May 28.
Radio device, Automobile. F. R. Good. 2,003,187; May 28.
Radio receiving set. J. A. Vila y Colombo. 2,003,250; May 28.
Radio receiving system. J. G. Aceves and E. V. Amy. 2,002,844; May 28.
Radio receiving system. P. O. Farnham. 2,003,110; May 28.
Rail stabilizing device for railway tracks. J. G. Mueller. 2,002,708; May 28.
Railway crossing signal. F. H. Richterkessing. 2,003,264; May 28.
Range, Cooking. J. Teller and A. P. Schulz. 2,003,059; May 28.
Razor and sharpener, Combined safety. E. H. Wyman. 2,002,682; May 28.
Razor, Safety. H. L. Kent. 2,003,201; May 28.
Reaction product of an organic acid amide and an alkylene oxide. L. Orthner and H. Keppler. 2,002,613; May 28.
Reaction product of ketones and amines. L. Meuser and P. J. Leaper. 2,002,642; May 28.
Receptacle: *See*—
Liquid dispensing receptacle.
Record, Photographic sound. A. Whitaker. 2,002,620; May 28.

Rectifier with arc control, Mercury vapor or noble gas. J. von Issendorff and F. Netzsch. 2,003,023; May 28.
Recycling process for cracking oil. F. H. Edson. 2,002,530; May 28.
Reducing valve. B. L. Robart and E. P. Buell. 2,002,717; May 28.
Reenforcement for tubular and like structures. W. F. Schulz. 2,002,987; May 28.
Refrigerating apparatus and method, Absorption. G. Maiuri. 2,002,958; May 28.
Refrigerator. C. L. Moorman. 2,002,643; May 28.
Refuse-collection device. W. F. Ehrick and R. A. Garverick. 2,002,993; May 28.
Regulator: *See*—
Gas regulator.
Relay for synchronizing systems. C. F. Jenkins. 2,002,664; May 28.
Resins and making same, Synthetic. A. Gams and K. Frey. 2,002,601; May 28.
Riffling machine. H. E. G. T. Gerlich. 2,003,185; May 28.
Rolling mill. G. L. Fisk. 2,002,531; May 28.
Roof, Gondola car. G. G. Gilpin. 2,003,113; May 28.
Rotary pump. A. A. Moran. 2,002,802; May 28.
Rubber latex, Natural and artificial. I. Williams and B. Dales. 2,002,622; May 28.
Rubber vulcanization. H. A. Lubs and I. Williams. 2,002,639; May 28.
Saddle. B. J. Anderson. 2,002,929; May 28.
Safety device. G. D. Engle. 2,003,256; May 28.
Safety means for tanks. R. W. Crossen, Jr. 2,002,935; May 28.
Safety system for therapeutic lamps. R. C. Hyde and E. O. Erickson. 2,002,776; May 28.
Saw cylinder for cotton extracting machines. O. Mitchell. 2,003,262; May 28.
Scanning and apparatus therefor. O. A. Ross. 2,002,678; May 28.
Scooter. D. J. Bontrager. 2,002,520; May 28.
Scraper. J. J. Glassmer. 2,003,186; May 28.
Screen for receiving projected images. F. Earle. 2,002,733; May 28.
Screw fastening means. E. F. Hunt. 2,002,741; May 28.
Scroll. G. C. Groth. 2,002,697; May 28.
Seal. S. N. Hope. 2,002,856; May 28.
Seal and dust guard for journal boxes, Oil. W. B. D Penniman. 2,003,120; May 28.
Seal, Fluid packed. E. Mendenhall, J. B. Van Horn, and C. J. Coberly. 2,002,918; May 28.
Seal for dynamo electric machines. W. F. Kelpe 2,003,000; May 28.
Seal, Frangible. R. W. Ferguson and H. P. Sperkes. 2,003,183; May 28.
Sealing compound for pneumatic tires and making the same. H. French and W. F. Welbeloved. 2,003,112; May 28.
Sealing device. E. Mendenhall and J. B. Van Horn. 2,002,917; May 28.
Seat cover holder. H. Thomasma. 2,002,721; May 28.
Seat top, Removable rumble. E. S. Tupper. 2,002,514; May 28.
Separator: *See*—
Centrifugal separator.
Service station. H. C. Johnson. 2,002,777; May 28.
Sewing machine. C. F. Ruhel. 2,002,799; May 28.
Sewing machine, Shoe. C. F. Whitaker. 2,003,026; May 28.
Sewing machines, Attachment for. J. D. Karle. 2,003,200; May 28.
Sewing machines, Ring shuttle reel for. A. Mygland. 2,002,609; May 28.
Shampoo fixture. E. A. Eckhouse. 2,002,630; May 28.
Sharpener, Reamer. H. W. Zimmerman. 2,002,971; May 28.
Sharpener, Scissors. A. E. and W. J. Rainey. 2,002,868; May 28.
Sheet material, Apparatus for drying. R. M. Smith. 2,002,720; May 28.
Sheet of unvulcanized rubber to a portion of a fabric upper, Securing a preformed and continuous. I. and L. Dorogi. 2,002,527; May 28.
Sheets of cellulose, Manufacture of thin. F. A. Parkhurst and G. J. Esselen. 2,002,711; May 28.
Shield, Frost. J. R. Thorp. 2,002,722; May 28.
Shift control for telegraph printers. R. F. Dirkes. 2,003,177; May 28.
Shipping container. R. Faries and J. B. McWilliams. 2,002,570; May 28.
Shipping container, Returnable. R. C. Bender. 2,002,625; May 28.
Shock absorber. W. M. Glezen. 2,002,980; May 28.
Shock absorber. L. L. Lomar. 2,002,700; May 28.
Shock absorber, Wire line. E. E. Duff. 2,003,255; May 28.
Shoe shank stiffener. C. M. Moore. 2,002,707; May 28.
Shoe sole-cementing machine. K. L. Venters. 2,002,650; May 28.
Shoe supporting jack. R. C. Simmons. 2,003,015; May 28.
Shuttle motion. R. J. Bartholomew. 2,002,973; May 28.
Sign. E. L. Torstenson. 2,003,126; May 28.
Signal: *See*—
Railway crossing signal.
Signal for automobiles, Direction. C. Foti. 2,002,503; May 28.
Signalling system, Railway. F. H. Richterkessing. 2,003,265; May 28.
Silk and the like, Process of and apparatus for the production of artificial. G. Bauriedel and K. Meyer-Gans. 2,003,170; May 28.
Siphon device. W. H. Rose. 2,002,835; May 28.
Ski fastening, Automatically acting. E. Elster. 2,002,694; May 28.
Slab, Reenforced concrete construction. W. P. Cummings. 2,003,251; May 28.
Slide bar for men's garters. J. Jacobs. 2,002,947; May 28.
Smoking pipe. O. T. Robertson. 2,003,156; May 28.
Sole reenforcing plate. J. T. Riddell. 2,002,869; May 28.
Spark plug. R. J. L. Butterer. 2,002,529; May 28.
Spark plug. L. J. Tetlow. 2,002,803; May 28.
Specimen supporting device. D. C. Scott. 2,002,552; May 28.
Speed mechanism, Variable. J. J. Rothwell, Jr., and L. M. Stuart. 2,002,585; May 28.
Speed transmission, Variable. A. Y. Dodge. 1,003,108; May 28.
Spindle drive mechanism. H. Z. Cobb and R. S. Francis. 2,002,629; May 28.
Spray residue from fruit, Removing. H. C. McLean and A. L. Weber. 2,003,005; May 28
Sprayer. E. S. Lynger. 2,003,087; May 28.
Sprinkler head. E. E. Lord. 2,003,052; May 28.
Staple and strap, Combined. C. C. Wickwire. 2,003,062; May 28.
Starter construction. R. E. Wike. 2,002,561; May 28.
Steam engine, Electrically controlled. R. R. Blank. 2,002,488; May 28.
Steam trap and apparatus for controlling or maintaining the supply of water or other fluid. F. S. Carter. 2,003,069; May 28.
Steel for railroad rails, wheel tires, plank piles, and other objects. H. Buchholtz. 2,002,932; May 28.
Steering arm gauge. Vehicle. J. F. Duby. 2,003,178; May 28.
Steering control, Method of and apparatus for radiodynamic. T. E. Brockstedt. 2,003,240; May 28.
Steering device for trailers. L. H. Johnson. 2,002,604; May 28.
Stock feeding and gripping device. M. E. Lange and W. J. Burger. 2,003,152; May 28.
Stocking made in a single operation and making same. W. Heinitz. 2,003,189; May 28.
Stockings, Ornamental toe reenforcement for. G. Gastrich. 2,002,888; May 28.
Stoker, Automatic coal. F. J. and G. Johnson. 2,003,199; May 28.
Stone cutter gauge. W. B. Owens. 2,002,676; May 28.
Stove. B. B. Kahn. 2,002,894; May 28.
Stove and ironing device, Combined electric. A. A. Macdonald. 2,002,608; May 28.
Strainer, Milk. S. N. North and T. J. Gurley. 2,002,865; May 28.
Strands and producing same, Twisted. W. M. Brooks. 2,002,975; May 28.
Stretching machine and operating the same. A. H. Vaughan. 2,003,127; May 28.
Strips of paper, Apparatus for splicing. W. Townley. 2,002,554; May 28.
Submersible structure. E. Mendenhall and J. B. Van Horn. 2,002,909; May 28.
Suction cleaner. B. C. Becker. 2,002,624; May 28.
Suction cleaner. W. H. Kitto. 2,003,085; May 28.
Suction cleaner. W. Leathers. 2,002,637; May 28.
Suction cleaner. F. Riebbel, Jr. 2,002,509; May 28.
Suction cleaner. H. B. White. 2,003,098; May 28.
Support: *See*—
Abdominal support. Key support.
Support for heddle bars. R. Ragan. 2,002,548; May 28.
Surfaces with abrasion resisting material, Protectively facing. K. Strobel. 2,003,019; May 28.
Surgical resection. F. C. Wappler. 2,002,559; May 28.
Swaging machine. H. A. Douglas. 2,002,502; May 28.
Switch: *See*—
Electrical switch. Telephone handset switch.
Electromagnetic switch.
Table: *See*—
Adjustable work carrying table. Red tray table.
Extension table.
Tank theft prevention device. C. M. Jones. 2,002,818; May 28.
Tape perforating machine. W. Ackerman. 2,002,516; May 28.
Tar acids, etc., Recovery of. S. P. Miller. 2,002,704; May 28.
Target. J. P. Bull. 2,002,600; May 28.
Telegraph exchange system, Automatic printing. G. A. Locke. 2,002,985; May 28.
Telephone handset switch. G. A. Graham and G. O. Tapper. 2,002,504; May 28.
Telephony. M. W. Gleskieng. 2,002,942; May 28.
Telescope. E. P. Burrell. 2,003,171; May 28.
Telescopic instrument. F. C. Wappler. 2,002,595; May 28.

Television method and apparatus. H. P. Donle. 2,002,992; May 28.
Television system. H. M. Dowsett. 2,002,937; May 28.
Tensioning device for shuttles. J. B. Plevyak. 2,002,866; May 28.
Textile lines. Device for restoring the lay to twisted. C. O. Carey. 2,003,245; May 28.
Therapeutic agent and process for making colloidal calcium malate. J. Torikian. 2,002,842; May 28.
Thermal treatment of gases and vapors. A. Cambron and C. H. Bayley. 2,002,524–5; May 28.
Thermocouple. R. E. Flatley. 2,002,532; May 28.
Thermostat. J. A. Spencer. 2,003,018; May 28.
Thermostatic controlling device. W. S. Thomas. 2,003,066; May 28.
Thickener. N. B. Lund. 2,003,261; May 28.
Thread, Making rubber. N. G. Madge. 2,002,640; May 28.
Thread or yarn cleaner. A. E. Truesdell. 2,002,843; May 28.
Throttle valve. F. J. Smith. 2,002,965; May 28.
Tires, Apparatus for the manufacture of pneumatic. H. Willshaw and F. A. Davenport. 2,002,970; May 28.
Toe protector. A. W. Hauer. 2,002,662; May 28.
Tongs, Stunning. R. W. Regensburger. 2,002,755; May 28.
Tool: *See*—
Broaching tool. Machine tool.
Honing tool. Wire connecter tool.
Tool. A. Wallace. 2,003,061; May 28.
Tool for making dynamo electric machine elements. V. G. Apple. 2,002,562; May 28.
Tool relief mechanism. T. B. Buell. 2,002,933; May 28.
Tool transmission and control, Machine. W. K. Andrew and J. B. Armitage. 2,002,728; May 28.
Toothbrush. L. W. Campbell and W. P. Watson. 2,003,243; May 28.
Tooth powder dispenser. H. B. Seeley. 2,003,093; May 28.
Toy. Y. Hirose. 2,003,193; May 28.
Toy, "Nides" twin. L. S. Bautista. 2,002,685; May 28.
Track. E. Bretschneider. 2,002,881; May 28.
Track shifting device. H. B. M. de Lange. 2,003,252; May 28.
Traction device for athletic shoes or the like. R. Nichols. 2,002,864; May 28.
Tractor. N. Lesser. 2,002,669; May 28.
Transformer, Treating-out. H. A. Rose. 2,003,011; May 28.
Transmission. J. H. Jones. 2,002,778; May 28.
Transmission control in signalling systems. N. C. Norman. 2,002,961; May 28.
Transmission device, Self-adjusting valve-operating. E. H. Hudson. 2,002,982; May 28.
Tranmission for motion picture and sound projectors, Selective. E. J. Hadley. 2,002,854; May 28.
Transmission mechanism. J. Niederhauser. 2,002,709; May 28.
Transmission, Semiautomatic. A. G. McGuire. 2,003,088; May 28.
Trap: *See*—
Floating fish trap. Grease trap.
Traveling bag. A. S. Beller. 2,002,878; May 28.
Traveling bag. M. L. Lee and A. Kaufmann. 2,002,638; May 28.
Traveling set. J. Baer. 2,003,102; May 28.
Truck. C. F. Collins. 2,003,038; May 28.
Truck. T. C. Kincaid, Jr. 2,002,605; May 28.
Truck for toy locomotive. A. C. Gilbert. 2,003,258; May 28.
Truss structure. H. L. Loudenback. 2,002,506; May 28.
Tube: *See*—
Electric discharge tube.
Tube construction, Collapsible. W. A. Roselle. 2,002,718; May 28.
Tubes and other elongated shapes, Method of and apparatus for extruding. S. W. Sparks. 2,002,966; May 28.
Tubes, Producing hot cathode. E. O. Erickson. 2,002,768; May 28.
Tumbler, Laundry shake-out. E. D. Purkett. 2,002,796; May 28.
Turbine, High vapor expansion. H. M. Barber. 2,002,497; May 28.
Twisting and winding apparatus. F. H. Shinn. 2,002,590; May 28.
Typewriting machine. W. O. Michelsen. 2,003,211; May 28.
Type-setting device. W. J. Pearson. 2,003,220; May 28.
Valve: *See*—
Fluid valve. Reducing valve.
Gate valve. Throttle valve.
Percussive tool valve.
Valve. J. R. Long. 2,002,783; May 28.
Valve. G. A. Robertshaw. 2,002,550; May 28.
Valve. S. Sorensen. 2,002,647; May 28.
Valve and making the same, Two material extruded. E. A. McBride. 2,002,641; May 28.
Valve for slush pumps. J. M. Melott. 2,002,672; May 28.
Valve for steam lines, Automatically controlled multiple. C. E. Armstrong. 2,002,761; May 28.
Valve mechanism. H. Jezler. 2,003,081; May 28.
Vehicle and pilot means therefor. D. W. Main. 2,002,901; May 28.
Vehicle body. F. J. Westrope. 2,002,596; May 28.
Vehicle brake. H. E. White. 2,002,990; May 28.
Vehicle chassis frame, Motor. A. L. Marvel and D. E. Semon. 2,002,823; May 28.
Vehicle chassis lubricating mechanism. G. R. Siegrist. 2,003,013; May 28.
Vehicle lifting and traversing device, Motor. B. Walker. 2,002,724; May 28.
Vehicle, Motor. K. M. Wise. 2,003,164; May 28.
Vehicle, Power driven. J. H. Baldwin. 2,002,518; May 28.
Vehicle ventilating apparatus. D. B. Lee. 2,002,899; May 28.
Vending machine. R. D. Parks and G. W. Hildenbrand. 2,002,753; May 28.
Ventilating apparatus for vehicle bodies. W. D. Crowell. 2,002,730; May 28.
Venturi flotation method. W. L. Sheeler. 2,002,904; May 28.
Vessels, especially bottles, Method of and device for closing up. R. Remy. 2,003,091; May 28.
Vibrating mechanism. J. Sharp. 2,002,871; May 28.
Vitamins, Isolation of water-soluble. R. J. Block and G. R. Cowgill. 2,002,519; May 28.
Voltage regulating device. B. M. Leece. 2,003,001; May 28.
Volume control, Method and apparatus for. G. Ramsey. 2,002,831; May 28.
Vulcanizer, Tire retread. W. G. Lerch and A. W. Stoner. 2,002,579; May 28.
Ware, Producing ornamental enameled. A. C. Weierich. 2,002,806; May 28.
Washer: *See*—
Hurdle washer.
Washing machine. W. V. Orr. 2,002,790; May 28.
Water, Apparatus for softening. A. Barrett. 2,003,230. May 28.
Water heating system. V. Moray. 2,002,545; May 28.
Water tank cover. B. S. Michelson. 2,003,006; May 28.
Wave translation system. H. S. Black. 2,002,499; May 28.
Weather strip. W. J. Dennis. 2,002,569; May 28.
Weather strip. J. E. Johnson. 2,002,984; May 28.
Welding apparatus, Electric. G. E. Mirfield, R. E. Lewis, C. Firth, and J. E. Neale. 2,003,118; May 28.
Welding electrode holder. H. A. Jackson. 2,003,196; May 28.
Welding equipment and welding. W. N. Barrington. 2,002,877; May 28.
Welding rod for applying protective abrasion resisting facings. K. Strobel. 2,003,020; May 28.
Wheel freeing attachment for automobile lifts. P. R. Johnston. 2,002,578; May 28.
Wheel structure. W. H. Farr. 2,003,109; May 28.
Window. T. J. Anderson. 2,002,683; May 28.
Window and screen hanger, Storm. R. J. Haug. 2,002,738; May 28.
Window fastener. C. W. Carr. 2,003,246. May 28.
Windows, Vehicle ventilating. D. B. Lee. 2,002,898; May 28.
Windscreen. C. F. Carlotti. 2,003,106; May 28.
Windshield. W. J. Grotenhuis. 2,002,736; May 28.
Windshield heater. L. Zaiger. 2,003,028. May 28.
Wiper, Windshield. W. K. Correll. 2,002,657; May 28.
Wire connecter tool. J. R. Halladay. 2,002,981; May 28.
Wire testing machine and method. C. Field. 2,002,770; May 28.
Writing implement, Combination. G. Donato. 2,002,501; May 28.
X-ray cassette. A. E. Drexel. 2,003,254; May 28.

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NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1935

Patents Nos. 2,000,004 to 2,000,896

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Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Apr. 18, 1935.*

Louis M. Furman, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Company, 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Louis M. Furman, 110 Bleeker Street, Brooklyn, N. Y., No. 156,799, dated July 11, 1922, and the notice of such proceeding sent by registered mail to the said Louis M. Furman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Louis M. Furman, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 20, 1935.*

Morris Pober, his assigns or legal representatives take notice:

An application for cancellation having been filed in in this Office by Henry J. Edwards, 61 Hanover Street, Boston, Massachusetts, to effect the cancellation of trade-mark registration of Morris Pober, 16 West 18th Street, New York, N. Y., No. 317,523, dated September 25, 1934, and the notice of such proceeding sent by registered mail to the said Morris Pober at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Morris Pober, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Classification Bulletin No. 67

Classification Bulletin No. 67, July 1 to December 31, 1934, is now available and may be purchased from the Superintendent of Documents, United States Government Printing Office.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,599,389, James Aiken, Transmission mechanism, decided March 25, 1935, claims 1, 3, 4, and 5.

Pat. 1,745,213, W. M. Gray, Track lubricating apparatus, decided February 28, 1935, claim 1.

Pat. 1,788,935, W. H. Wood, Vehicle headlight, decided April 16, 1935, claims 4 and 5.

Pat. 1,796,198, C. L. Gehnrich, Oven safety control, decided March 27, 1935, claims 1, 2, and 3.

Pat. 1,870,101, W. J. Davey, Wall and ceiling structure, decided March 27, 1935, claims 1, 2, 3, 4, 5, 7, 8, 10, and 11.

Pat. 1,919,452, W. L. Semon, Rubber composition and method of preserving rubber, decided April 13, 1935, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.

Pat. 1,943,139, P. A. Myers, Power head for a pump, decided April 16, 1935, claim 14.

Design Pat. 93,142, Frasier Smith, Design for jar, decided April 18, 1935, the claim as shown.

Condition of Applications Under Examination at Close of Business April 20, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 34,667; Trade-Mark Division, 1,341. Oldest new case, December 20, 1934; oldest amended, December 20, 1934. The dates given are 1935 except where † indicates 1934.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 28	Feb. 20	319
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Vehicle-poles; Butchering; Bee Culture.	Feb. 6	Feb. 11	451
4008	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 22	Jan. 21	553
7008	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 8	Jan. 19	447
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Jan. 28	Jan. 30	458
4008 C	6. LEWERS, A. M., Carbon Chemistry	Jan. 2	Jan. 8	807
5726	7. JARDON, C. G., Optics; Photography	Jan. 16	Jan. 16	773
3508	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Jan. 31	Feb. 1	513
4604	9. ADAMS, E. E., Pumps; Fluid and Fluid-Current Motors	Feb. 19	Feb. 21	334
6812	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Feb. 11	Feb. 14	358
3067 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Dec. 21	†Dec. 26	570
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	†Dec. 31	Jan. 5	449
3006	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 9	Feb. 9	301
3007	14. BRUMBAUGH, N. J., Furriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 21	Jan. 21	441
4007	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 3	Feb. 3	750
5613	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 12	Jan. 11	608
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 21	Jan. 20	662
4612	18. PORTER, M. F., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 26	Jan. 29	368
4008	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 21	Jan. 21	578
6813	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 2	Feb. 1	273
7723	21. THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 21	Jan. 22	625
5734	22. RINGLE, D., Armaments; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Jan. 8	Jan. 8	643
7003	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	†Dec. 24	†Dec. 20	496
6803	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 23	Jan. 22	600
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 21	Jan. 20	642
3008	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 23	Feb. 26	255
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Jan. 21	Jan. 21	520
6628	28. BENSON, A. R., Internal-Combustion Engines	Jan. 22	Jan. 15	350
3083	29. SHELARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Jan. 21	Jan. 21	539
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 24	†Dec. 24	515
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Jan. 17	Jan. 17	792
4628	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 9	Feb. 13	226
6806	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	†Dec. 31	Jan. 10	599
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 4	Jan. 5	615
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Jan. 21	Jan. 22	603
7024	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Jan. 21	Jan. 18	425
5008 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 22	†Dec. 22	596
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Plastic Compositions.	Jan. 26	Jan. 18	389
4572	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 11	Feb. 8	330
7020	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 31	†Dec. 31	856
6062	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Jan. 21	Jan. 21	550
3562	42. CUTTING, H. O., Electric Signaling	Jan. 31	Jan. 16	489
4806 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 2	Jan. 3	508
4007 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	†Dec. 20	†Dec. 20	818
7007	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Jan. 30	Jan. 28	371
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	†Dec. 26	†Dec. 29	510
7060	47. BARKER, H., Clutches; Brakes	Feb. 11	Feb. 6	585
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 15	Jan. 15	523
7728	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 28	Jan. 23	504
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 2	Jan. 2	922
5608	51. BACKUS, C. D., Radiant Energy	Jan. 29	Jan. 29	636
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housing; Laminated Packing.	Jan. 21	Feb. 2	540
6807	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 31	Feb. 13	388
5674	54. WAITE, W. F., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Jan. 21	Jan. 20	580
6857	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 21	Feb. 23	405
4726	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	†Dec. 24	†Dec. 24	667
3626	57. NICOLSON, C. D. C., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Feb. 27	Feb. 20	228
5005	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 25	Feb. 19	277
4708	59. RICHARD, V. L., Chemistry; Fertilizers	Jan. 17	Jan. 17	507
5006	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Jan. 24	Jan. 24	337
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Punching and Pulling; Horology; Time-Controlling Apparatus.	†Dec. 28	Jan. 9	369
3570	62. COCHRAN, W. W., Gaming; Geometrical Instruments	Jan. 30	Feb. 4	503
4628	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 7	Jan. 2	598
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Jan. 21	Jan. 21	827
5004	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 30	Jan. 30	389
3000 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Mar. 20	Apr. 8	1,252
		Apr. 8	Apr. 8	89
2006	DESIGNS, H. H. KALUFY (Act.)	Mar. 16	Apr. 5	754

DECISIONS IN PATENT AND TRADE-MARK CASES

Decisions of the Board of Appeals

Ex parte Schwarz

Decided March 28, 1935

1. Patents—Claims—Multiplicity.

"Numerous decisions of this Office and of the Courts condemn the practice of filing an undue multiplicity of claims, not only because of the unnecessary burden it places upon the Office and the Courts, but because it invites controversy and litigation and is harmful to the interests of the patentee in any suit in which he becomes involved."

2. Same—Same—Same.

"That the rejection upon undue multiplicity of claims upon the ground that they do not meet the requirements of the statutes, is a proper rejection, is well established by a long line of decisions."

3. Same—Same—Same.

Where an application was filed with twenty claims and in response to a rejection ten claims were canceled and eighty-five claims were inserted *Held* that the Examiner properly rejected the claims on the sole ground that so many claims had been presented that the applicant had failed to comply with the requirements of the statute that he particularly point out and distinctly claim his invention; and that it had not been made to appear that more than ten claims, as specified by the Examiner, are necessary to adequately cover the invention.

Appeal from the Examiner. Affirmed.

Mr. R. J. Schwarz and *Mr. George E. Tew* for applicant.

Before Ruckman, Redrow, and Edenburg, Examiners in Chief. Ruckman, Examiner in Chief

This is an appeal from the final rejection of all the claims in the case, 46 in number.

In view of the fact that the claims were rejected on the ground of undue multiplicity, it is unnecessary to quote typical claims. Moreover, since the final rejection was not based on prior art, there is no need of citing the references given in the early Office actions.

The nature of the invention is concisely described in the Examiner's statement. It is sufficient here to refer to the Examiner's statement that "the alleged invention is simple" and to the appellant's concurrence therewith on page 15 of his brief.

In his statement, the Examiner gives the ground of his rejection as follows:

"All the above claims were rejected as a group on the ground of indistinctness due to multiplicity of claims, without applying references, since the number of claims was so excessive that the case was deemed to come within the class mentioned as follows in lines 10 to 14 page 15 of the decision *Ex parte* McCullough, 1927, C. D. 12.

"'There may be applications, such as this one when originally filed, in which it is obvious from even a cursory examination of the application and the prior art, that so many claims have been presented that applicant has failed to comply with the requirement of section 4888 Revised Statutes, that he 'distinctly claim' his invention.'"

The record discloses the following prosecution of the case: the application was filed with 20 claims, all of which were rejected on references in the first Office action. In response to this rejection, appellant cancelled 10 claims, amended the other 10 claims and inserted 85 new claims. In his next action, the Examiner rejected the 95 claims on the ground that they did not comply with the statutes in particularly pointing out and distinctly claiming the invention and held that the number of claims presented was so unreasonable as to bring the case within the general class condemned in the third paragraph, page 15 of the McCullough decision, 1927, C. D. 12. The Examiner added that "in view of the references cited, 10 claims would be more than enough". Applicant then cancelled 13 claims whereupon the Examiner finally rejected the 82 claims remaining in the case. The applicant then petitioned the Commissioner to instruct the Examiner to withdraw the final rejection on the ground of multiplicity of claims. The Commissioner denied the petition as follows:

"This is a petition requesting that the Examiner be instructed that the entry of the final rejection without applying the references to the claims and pointing out in what respects the claims do not distinguish patentably from the references or from each other was improper and should be withdrawn.

"At the time the final rejection was made, the application contained eighty-two claims which, in the opinion of the Examiner, was such an excessive number, in view of the nature of the invention and the state of the art as revealed by cited references, that they could not and did not particularly point out and distinctly claim the invention as required by the statutes. The final rejection offers a clear issue which is reviewable by the Board of Appeals and the Courts. It is believed that the Examiner acted within his authority in resorting to a rejection of this character and his action will not be disturbed on petition.

"If, however, the applicant will present an amendment within thirty days to limit the claims to a number regarded by the Examiner as reasonable, the Examiner should enter the restricted amendment and give an action upon the merits of the claims presented therein."

Following this decision the applicant reduced the number of claims to 46. The Examiner then held that

"in view of the Commissioner's decision, applicant should either limit the number of claims to 10 or less, or appeal to the Board".

The present appeal was then filed.

The two main grounds of appellant's appeal are (1) that the Examiner erred in rejecting the claims on the ground that they do not comply with the statutes in that they do not particularly point out and distinctly claim the invention and (2) that the Examiner erred in requiring the appellant to reduce the number of claims to 10, or less, and in finally rejecting the claims without specifically pointing out why he believed the number of claims excessive, or acting on the merits of the claims.

[1] Numerous decisions of this Office and of the courts condemn the practice of filing an undue multiplicity of claims, not only because of the unnecessary burden it places upon the Office and the courts, but because it invites controversy and litigation and is harmful to the interests of the patentee in any suit in which he becomes involved.

[2] That the rejection upon undue multiplicity of claims upon the ground that they do not meet the requirements of the statutes, is a proper rejection, is well established by the long line of decisions cited in the Examiner's statement. That is so well settled that we will refer to but three of these

decisions. The U. S. Supreme Court in the case of *Carlton v. Bokee*, 17 *Wallace*, 463, stated as follows:

"Without deciding that a repetition of substantially the same claim in different words will vitiate a patent, we hold that where a specification by ambiguity and a needless multiplication of nebulous claims is calculated to deceive and mislead the public, the patent is void."

In the case of *In re* Wells, 1932 C. D. 310, 420 O. G. 232; 56 F.(2d) 674; 19 C. C. P. A. 1044, the U. S. Court of Customs and Patent Appeals made the following statement:

"The fourteen claims to cover this comprise about two thousand words, or something more than one-fourth the number which were used in framing the Constitution of the United States. We really feel that appellant could have reduced the number without sacrificing either substance, clarity or protection . . . it seems to us to have been unnecessary to have so many claims."

The same court, *In re* Spencer, 1931 C. D. 224, said:

"Appellant filed his application in the Patent Office for an improvement in thermostats. Attached to his application were a multitude of claims which unnecessarily and vexatiously clouded the issue. The Examiner and the Board of Appeals both referred to this unnecessary duplication, and had it in mind while making allowance of certain claims to the appellant. The practice of filing unnecessary duplicates of claims, differentiated from each other by only the slightest change of language and with no material advantage to the applicant, can not be too strongly condemned and is more often an indication of the inability of the pleader to properly state his case than of anything else."

Concerning the second ground of appellant's appeal, the following decisions are considered pertinent.

The commissioner's decision in *ex parte* McCullough, in the extract quoted above from the Examiner's statement, held that there may be applications in which it is obvious from even a cursory examination of the application and the prior art, that so many claims have been presented that applicant has failed to comply with section 4888 R. S.

In *ex parte* Duncan, 1920 C. D. 36, where the application involved 21 claims, the assistant commissioner held:

"The most emphatic and important requirement of the patent law is that the patentee shall distinctly point out his invention. He has no right to a patent which contains any claim or set of claims which for any reason fail to do this thing. Duplicating claims invariably brings this about, and an entire set of claims should be rejected as indistinct whenever by reason of duplication it is made uncertain to the reader what the invention is. The different claims must be on their face obviously different in substance."

This decision further states that it is the duty of the applicant rather than that of the Examiner to point out how each claim patentably differs from every other one. The appellant in that case was given 30 days in which to file "a small set of claims", each of which, clearly distinguished from every other in a patentable sense. Instead of complying with this requirement the appellant took an appeal to the Court of Appeals of the District of Columbia which affirmed the decision of the Commissioner, *In re* Duncan, 1920 C. D. 197, 49 App. D. C. 372, 265 Fed. Rep. 1012.

In *ex parte* Oswald, 1925 C. D. 20, the application as filed, contained 135 claims. The Examiner rejected the claims under *ex parte* Duncan and stated:

"that if applicant insisted upon retaining more than 15 or 20 claims in the case he should specifically point out how he considered each claim to patentably distinguish from all the other claims."

A petition from the Examiner's action was denied by the Commissioner.

In *ex parte* Chipman, 1910, C. D. 49, the Commissioner gave the applicant the privilege of further prosecution provided he reduced the number of claims by one-half. The decision states, "the Examiner might properly have required the reduction to 6 claims before acting upon the merits".

The case of *In re* Prescott & Rummler, 1922, C. D. 119, 51 App. D. C. 281, 287 Fed. Rep. 590, the Court of Appeals in the District of Columbia found that the invention of the application was not met in the references but held:

"Inasmuch however as claim 28 completely covers applicant's contribution to the art, there is no reason for allowing a large number of claims, and thus inviting controversy and litigation."

We particularly call attention to the decision of the U. S. Court of Customs and Patent Appeals rendered February 25, 1935, 24 U. S. Pat. Q. 375, in the case of *In re* Buttolph, Patent Appeal, No. 3,476, as the most recent and emphatic decision of the court on this subject. The part of said decision dealing with the matter of multiplicity of claims reads as follows:

"With reference to the question of undue multiplicity of claims, the Solicitor for the Patent Office stated in his brief that 'Aside from the electrical circuits and connections to the electrodes, which are involved in the appealed claims only in a broad way, there is left nothing of appellant's device but the tube with electrodes at each end and a gaseous filling therefor.' On this simple subject matter, aside from the ten claims allowed, appellant has seen fit to present the some thirty-four claims involved on the appeal. The statutes require (U. S. C., Title 35, sec. 33) that the applicant, in order to obtain a patent, 'shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery.'"

"In the case of *ex parte* McCullough, supra, the Commissioner of Patents pointed out the difficulties attending the filing of patent applications containing undue multiplicity of claims, and stated that such applications interfered with the work of the Patent Office; that they were unfair to the applicants themselves, to other inventors, and to the public; that they had been condemned by a committee representing the 'Patent Bar Association'; that protracted consideration of such applications by the Patent Office had been criticized by committees of Congress; and that the courts had, at times, expressed disapproval of the issuance of patents containing an unnecessarily large number of claims.

"Obviously, if permanent relief is to be had in the premises, it is necessary for the Patent Office tribunals to enforce compliance with the provisions of section 4888 of the Revised Statutes (U. S. C., Title 35, sec. 33), which read:

'Before any inventor or discoverer shall receive a patent for his invention or discovery, he shall make application therefor, in writing, to the Commissioner of Patents, and shall file in the Patent Office a written description of the same, and of the manner and process of making, constructing, compounding, and using it, *in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same;* and in case of a machine, he shall explain the principle thereof, and the best mode in which he has contemplated applying that principle, so as to distinguish it from other inventions; *and he shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery.* The specification and claim shall be signed by the inventor. No plant patent shall be declared invalid on the ground of noncompliance with this section *if the description is made as complete as is reasonably possible.* [Italics ours.]'

"We are not unmindful of the fact that it is sometimes difficult to define an alleged invention with conciseness and precision. However, such difficulty ought not to be used as an excuse to present an unnecessarily large number of claims, the net result of which is to confuse, rather than to clarify, the issues relative to an alleged improvment, which, it is claimed, involves invention.

"Although we are in entire accord with the specific reasons assigned and discussed by the Board of Appeals in its rejection of the appealed claims, we are of opinion, nevertheless, that they might well have been rejected on the sole ground of undue multiplicity. *In re Duncan*, 49 App. D. C. 372, 265 Fed. 1012, affirming the decision of the Commissioner of Patents in *ex parte Duncan*, 1920 C. D. 36. See also *In re* Dann, supra; *In re* Spencer, supra."

[3] From our examination of the present case, we are clearly of the opinion that so many claims have been presented, that appellant has failed to comply with the requirement of the statutes that he particularly point out and distinctly claim his invention.

By the limitation to 10 claims, we understand in accordance with the Commissioner's decision, *ex parte* Oswald, 1925 C. D. 20, the Examiner means that 10 claims

"seem to him a reasonable number and that it was incumbent upon the applicant to show why a greater number was necessary".

We think the Examiner was justified in view of the simplicity of the invention in requiring the claims to be limited in number and appellant has not satisfied us that more than 10 claims, as specified by the Examiner, are necessary to adequately cover the invention.

The decision of the Examiner rejecting the claims on the ground of undue multiplicity is affirmed.

U. S. Court of Customs and Patent Appeals

ROSSITER v. ELLIS

No. 3,358. Decided December 24, 1934

1. INTERFERENCE—MOTIONS—DELAY IN BRINGING.

R. *Held* not entitled to raise on appeal to the Court of Customs and Patent Appeals the question whether the claims in the renewal application of E. are for a different invention from that originally claimed since he did not make a motion to dissolve on that ground and the mere fact that the court had construed Section 4897 R. S. in a subsequent decision does not excuse the delay in bringing the motion.

2. SAME—SAME—PRIORITY.

Record reviewed and *Held* insufficient to establish that the disclosure of E. is inoperative and that priority was properly awarded to him since the party R. alleged no date of conception as early as E's. filing date.

APPEAL from the Patent Office. Affirmed.

Mr. H. C. Bierman, *Mr. Chas. S. Grindle* and *Mr. Leonard A. Watson* for Rossiter.

Mr. Sol Shappirio for Ellis.

GRAHAM, *P. J.*:

The appellant, Edmund C. Rossiter, filed his application in the United States Patent Office, Serial No. 145,369, on October 30, 1926, for patent upon a process for the manufacture of artificial resins. This application discloses a process wherein thiourea is dissolved in an aqueous solution of formaldehyde and heated to between 60° and 70° C. The specification further discloses that such a solution remains clear for a considerable period, but that the properties of the product obtained after drying render the use of accelerators desirable during the subsequent molding with heat; that with a similar treatment, when urea is used instead of thiourea, the mixture becomes solid and useless for some purposes; that one object of the invention is to obtain resins suitable for molding purposes which are insoluble in water, and that another object is to produce solutions which retain the properties of the thiourea condensation product so far as regards solubility, but—

whose subsequent condensation into the final product takes place more readily than that of the thiourea condensation product alone.

This statement is then made in the specification:

If equivalents of urea are used up to a proportion such that about 25% of the thiourea is replaced, clear solutions are obtained which, on concentration, yield the resin as a clear or nearly clear syrup.

If, however, the thiourea is replaced to the extent of more than 25%, then the products become more and more turbid, as the proportion of urea is increased, which effect may be obviated largely by the addition of a little ammonia.

On September 3, 1924, the appellee, Carleton Ellis, filed his application in the Patent Office for a patent on certain alleged improvements in urea products and processes of making the same, and which application was renewed on April 13, 1929, as Serial No. 735,600.

The Ellis application referred particularly to sheets or other articles of mica, which were formed by cementing together flakes or particles of mica—

with the aid of a resinous product prepared from urea especially from urea and formaldehyde or from derivatives of urea such as thiourea and to the process of making same.

An examination of the specification in this application discloses that it was the object of the inventor—

to obtain a synthetic resin which may be prepared of fairly constant quality that will have satisfactory cementing or binding effect.

The specification discloses that not all resinous phenol formaldehyde products have the ability to "wet" such material, but that the solid compounds obtained by the reaction of formaldehyde with urea do have such a characteristic, and have the further property of hardening or setting when heated. An example of the process is given in these words:

As an example 30 parts by weight of urea are dissolved in 120 parts of aqueous 40 percent formaldehyde and 3 parts of phthalic acid or phthalic anhydride are added. As the urea dissolves in the formaldehyde solution there is a decided lowering of temperature. Then the solution begins to show signs of turbidity which change is accompanied by a gradual rise in temperature. The reaction is exothermic. The solution finally becomes milky about the time the spontaneous temperature rise has reached its maximum. In one case the temperature went from 28 to 67° C. in about 20 minutes. The reaction mixture was allowed to stand for 1 hour during which time the temperature dropped to 42° C. Heat was applied and the temperature was raised over a period of one-half hour to 76° C. and then more gradually over a period of 2 hours to 94° C. After heating for about 45 minutes the mixture began to clear but a longer heating was required to completely clarify the solution. A syrupy solution was obtained having a specific gravity of 1.151 at 25° C. the solid content of which was 44 per cent.

Further in the specification, the appellant stated,

In place of urea, mixtures of the latter and thiourea and the like may be employed in some cases or even the thiourea by itself subjecting it to appropriate treatment with formaldehyde.

On June 10, 1929, an interference was declared between said applications, the counts of this interference being five in number, they being the first five counts in the interference, as it is now before us. The appellant then moved to dissolve the interference on the grounds that Ellis could not make the counts, and that the application of Ellis did not show an operative process. The party Ellis moved to amend by adding proposed counts 6, 8, 9, 10, 11, and 12. Rossiter's motion to dissolve was supported

by two affidavits which purported to show inoperativeness of Ellis' disclosure.

The Law Examiner overruled the motion to dissolve, and allowed the amendment. Thereupon Rossiter, the appellant, being the junior party, was ordered to show cause why an award of priority should not go to Ellis. Rossiter then moved that the order to show cause be vacated, and time be set for the taking of testimony on the question of Ellis' right to make certain of the claims in the issue, it being stated that it was desired to establish, by evidence, that the Ellis application did not disclose an operative process. This was a repetition in part of the said motion to dissolve which had been made by Rossiter on November 4, 1929, and which motion had been supported by affidavits of chemists which, it is claimed by Rossiter, established a *prima facie* case of inoperativeness.

The Examiner of Interferences denied the motion to take testimony, which decision was reversed by the Commissioner of Patents, and testimony was duly taken.

On August 19, 1931, the party Rossiter moved to dissolve on the grounds that "a statutory bar exists against the grant of a patent to him (Ellis)." In the alternative, it was moved that the burden of proof be shifted from Rossiter to Ellis, the ground given being that the present claims of the issue relate to a different subject matter than the subject matter included in the original Ellis application.

The Examiner of Interferences held that the motion period had expired on November 4, 1929, and that the motion of August 19, 1931, to dissolve, was brought too late, and that the affidavits filed in support thereof were not sufficient to support the same, and denied the motion to dissolve.

On final hearing, the Examiner of Interferences held that the burden of establishing that Ellis' disclosure was inoperative, was imposed upon the party Rossiter; that Rossiter had the burden of establishing and sustaining a *prima facie* case, and that—

> such case is not established if in the opinion of the Examiner the disclosure is operative if the matter set out in the disclosure is modified or added to in regard to details within the non-inventive ability of one skilled in the art at the time of filing.

The Examiner of Interferences, after an extended discussion, came to the conclusion that Rossiter had failed to establish the inoperativeness of Ellis' disclosure, and therefore awarded priority to the senior party Ellis.

The Board of Appeals was of opinion that counts 1, 4, 6, 7, and 9 were typical of all the counts of the interference, and discussed them at length. The Board was of the opinion that it might not consider the questions presented, but not directly passed upon, by the Examiner of Interferences. These were the questions arising out of the motion of Rossiter to dissolve, made after the motion-making time had expired. With regard to the holding as to insufficiency of disclosure and inoperativeness, the Board said:

> • • • The Examiner of Interferences, Law Examiner and Primary Examiner have all held that the disclosure is sufficient and we can see no good reason for taking a contrary position. We fail to see why it is necessary after making a statement as above quoted that in each instance an example be given of the process with mixtures as well as individual elements of the mixture set forth. Unless there is something essentially different and unusual about the reactions with the use of urea, thiourea or the mixtures of urea and thiourea in the process, it seems superfluous to give duplicate examples for each of the elements referred to.

Following this, the Board concluded that the disclosure in the Ellis application—

> is a *prima facie* disclosure of an operative process and that appellant has failed to present proofs, satisfactory to us, to the contrary.

Finally, the Board affirmed the decision of the Examiner.

The reasons for appeal filed by the appellant embrace three general subject matters: First, that the Board was in error in finding that the party Rossiter had not established the inoperativeness of the Ellis disclosure; second, and more specifically, that the Board of Appeals was in error in refusing to hold that Ellis' application did not disclose an operative process to produce a solution containing a condensation product of urea with formaldehyde, and a condensation product of thiourea with formaldehyde, the condensation products having substantially the same degree of condensation; third, in general, that the Board was in error in not finding that Ellis was confined to the filing date of his renewal application, as the question was raised by Ellis' last motion to dissolve, and which was filed, as has been stated, after the time for filing such motions had expired.

Counts 1, 4, 6, 7, and 9 are as follows:

> 1. The process for the manufacture of an improved solution for use in preparing moulding products from synthetic resin which consists in causing the intermixing in solution of a condensation product of thiourea and formaldehyde with a condensation product of urea and formaldehyde, the condensation products being of substantially the same degree of condensation.
>
> 4. A solution for use in preparing moulding products from synthetic resin, the solution containing in a dissolved state a condensation product of thiourea and formaldehyde and a condensation product of urea and formaldehyde, the condensation products being of substantially the same degree of condensation.
>
> 6. A resinous complex containing the condensation products of formaldehyde with urea and a formaldehyde with thiourea, the condensation products being of substantially the same degree of condensation.
>
> 7. The method of making a resinous complex which comprises interacting formaldehyde with urea and formaldehyde with thiourea to produce a condensation product of each of the ingredients specified, the condensation products being of substantially the same degree of condensation.
>
> 9. The process for the manufacture of an improved solution for use in preparing molding products from synthetic resin which consists in dissolving urea and thiourea in formaldehyde without heating the solution to the boiling point for any substantial period of time.

[1] In order that the issues may be more precisely defined, attention will be given to the appellant's last motion to dissolve, filed August 19, 1931, and which was filed after the period for filing motions had expired. This motion was based upon the contention that the appellee was claiming in his renewal application herein involved, a different invention than that claimed in his original application. As a reason for not raising this point within the appointed period, the appellant filed affidavits by which it is shown that counsel had just been advised of the holding of this court in *In re Kaisling*, 18 C. C. P. A. (Patents) 740, 44 F.(2d) 863, in which this subject was discussed.

We are unable to conclude that Rossiter has made any showing sufficient to excuse his failure to file this motion to dissolve during the motion period, in conformance with rules 130 and 122 of the office. The concluding language of rule 122 is significant:

> • • • If in the opinion of the Examiner of Interferences the motion be not in proper form, or if it be not brought within the time specified and no satisfactory reason be given for the delay, it will not be considered and the parties will be so notified.

The mere fact that this court, in *In re Kaisling*, supra, may have construed section 4897 Revised Statutes, did not change the rule or the law.

The Examiner of Interferences refused to pass upon the matters raised by this motion, and the Board of Appeals affirmed this holding. We are of opinion there was no reversible error in such holdings.

> It is familiar law that a party challenging the right of his opponent to make the contested claims must do so at the inception of the proceeding by motion to dissolve the interference.
>
> *Rocke* v. *Bogdonoff*, 56 App. D. C. 140, 10 F. (2d) 1005.

This is not such a question as was thought by the majority of the court in *Sundstrand* v. *Gubelmann*, 55 App. D. C. 200, 4 F.(2d) 166, to be a jurisdictional one which could be first raised on appeal.

This holding disposes of the claims of the appellant described in the following language by the Board of Appeals:

> Other grounds of appeal are that the Examiner of Interferences erred in failing to hold that Ellis is barred from obtaining a patent for the subject matter in issue on his renewal application involved in the interferences because under section 4897 Revised Statutes such subject matter is not the same invention as was claimed in the original Ellis application before and at the time the same was originally allowed. It is also urged that the Examiner of Interferences erred in failing to hold on the record that Ellis is not entitled to any date of reduction to practice, constructive or otherwise, before April 13, 1929, the renewal date of his application, Serial No. 735,600, involved in this interference. As another ground it is stated that the Examiner of Interferences erred in failing to hold that the Rossiter British Patent No. 266,028, which is alleged to be patented and received in this country more than two years before Ellis renewed his application, constitutes a statutory bar against Ellis under section 4886 Revised Statutes.
>
> As to these latter grounds for appeal, the Examiner of Interferences refused to consider them inasmuch as they were raised after the motion period had terminated and no sufficient reason given for delay in presenting the motion. It is a well recognized practice in this office that matters not considered by the tribunal of original jurisdiction will not ordinarily be reviewed on appeal. • • •

This leaves for consideration the questions presented by appellant's motion to dissolve filed November 4, 1929. Five specific grounds are therein urged, as follows:

First. That Ellis is entitled to no claims that do not include phthalic acid or its equivalent, because of the limitations of the prior art; that the—

> prior art shows it to be old to heat together urea or thiourea with formaldehyde until condensation takes place, and the only difference between the prior art and the Ellis disclosure, so far as production of a resin solution is concerned, is that Ellis includes phthalic anhydride in his procedure.

Second. That Ellis has stated in his specification that thiourea and mixtures of thiourea and urea are the equivalent of the urea in his specific example, and that Ellis has failed to prove this to be true, and that, in fact, it is not true.

Third. That the counts are limited to a solution of the reaction product of urea, thiourea, and formaldehyde; that Ellis' disclosure, including phthalic anhydride, does not satisfy these counts.

Fourth. That Ellis' application does not disclose a procedure which is operative to produce a resin solution as specified in the counts of the issue.

Fifth. That Ellis' application does not disclose a procedure which would be operative to produce a solution such as defined by the counts of the issue, as shown by experiments and by the affidavits of Barsky and Wohnseidler, but will produce only a "heavy flocculent precipitate."

As to the first ground above alleged, the Law Examiner, in his decision of June 19, 1930, held adversely to the party Rossiter and that specific ground does not again appear of record, nor is it urged as a reason for appeal here. As a matter of fact, the appellant makes no insistence here that Ellis' claims are not patentable.

As to the second and third grounds of said motion, we find ourselves in harmony with the decision of the Law Examiner, where, in discussing these points, he says:

> Ellis states that his invention relates to sheets or other articles of mica formed by cementing together flakes or particles of mica with the aid of a resinous product prepared from urea and formaldehyde or from derivatives of urea such as thiourea and to the process of making the same. He states that the solid compounds obtained by the reaction of formaldehyde with urea have the property of adhering to mica and are therefore useful in making sheets from mica splittings. A formula for making a solution is given in which urea, formaldehyde, and phthalic acid or phthalic anhydride are used. He states "in place of urea, mixtures of the latter and thiourea and the like may be employed in some cases or even the thiourea by itself subjecting it to appropriate treatment with formaldehyde." Ellis' claims first presented covered articles made from mica flakes or sheets cemented together with urea or urea formaldehyde resin and processes of making composite sheets in which a cementing solution of "urea formaldehyde resin" was used.
>
> Count 3 is the broadest of the group and comprises the single step of simultaneously dissolving urea and thiourea in formaldehyde. It is considered that Ellis has sufficient a disclosure to support this count in his statement that mixtures of urea and thiourea may be used, obviously by dissolving in formaldehyde. It is not necessary that Ellis should show he appreciated that the thiourea had an accelerating action on the urea which action is alleged by Rossiter, so long as he appreciated it would produce a solution that would adhere to mica, as evidently he did. Nor should he be confined to the addition of phthalic or other organic catalyst such as phthalic acid and that in other cases an alkaline catalyst such as ammonia may be employed but that his invention contemplates the use of urea resin whether made in acid, alkaline or neutral solution. The neutral solution obviously would exclude phthalic acid.

The controversial question, therefore, arises upon the operability of Ellis' disclosure.

[2] Both parties took testimony on this question. A series of *ex parte* and *inter partes* experiments were conducted and the results include certain physical exhibits, and also a very considerable volume of testimony. As we agree with the conclusions of the Board of Appeals, it seems unnecessary to comment at length upon this testimony. A few suggestions, however, are pertinent. Counts 1, 2, 3, 7, 9, and 11 are for a process, while counts 4, 5, 6, 8, and 10 are for a product. It will also be observed that the first five counts and count 9 of the interference are for a "solution" or process for making the same. The other counts are for "a resinous complex" or synthetic resin, or method of making the same.

The general impression created upon the mind by reading the record is that, in conducting the experiments, the witnesses for the party Rossiter were not so much endeavoring to completely test out the

operativeness of Ellis' disclosure, as to establish the fact that it was not operative. The facts in the record show plainly that urea and thiourea products are extremely sensitive products and that the least alteration of methods of manufacture may, and usually does, produce great changes in the products, ranging all the way from syrupy solutions to flocculent, useless products. Variation in degrees of heat, length of heating, the time of adding, and character of, catalysts or agents such as phthalic anhydride, all effect marked changes in the product.

The appellant insists that the following of Ellis' one example will not produce a syrupy solution, and hence is not operative. This contention is based upon the fact that Ellis recites, in his example, that he obtained "a syrupy solution," after certain processes. As said by the Board:

> We note that counts 1–5, inclusive, and 9 are the only counts which refer to a *solution*, and *not necessarily a syrupy solution*. We also note that there is nothing to indicate in the counts that a permanent solution is obtained in which the resins or resinous complexes exist in permanently soluble form and in which no further conversion to the insoluble form can gradually take place. In fact the counts might be construed to cover soluble resinous complexes which are not completely in solution at ordinary temperatures but will redissolve on heating. It therefore should be proven on behalf of Rossiter that a solution cannot be obtained at any time following the disclosure of the Ellis application.

We agree with these suggestions of the Board.

Furthermore, as we read the record, syrupy solutions were obtained in some of the Rossiter experiments, as well as in those of Slaughter, a witness for the appellee. Practically all the experiments showed a syrupy solution at some time during the experiments. This solution, it was testified, changed, in some cases, into a solid sedimentary deposit, the exact character and nature of which is not clearly shown by the record. What would have happened if the process had been stopped while the materials were in solution, also does not appear. On the whole, there is no preponderating proof that the disclosure of Ellis is inoperative.

The samples of the results obtained, and which are before the court, are of little or no evidentiary value, as it plainly appears of record that such products are not stable and are apt to change from time to time. Furthermore, it is, to say the least, doubtful whether those who conducted the tests on the part of the party Rossiter followed the method disclosed by Ellis, in the time and manner of adding phthalic acid or phthalic anhydride. Obviously, Ellis, in his typical example, intended that this element be added after the urea or thiourea had been dissolved in the formaldehyde.

It is contended by counsel for appellant that certain counts of the interference should be so construed as to cover a process in which a condensation product of urea and formaldehyde was first produced, then, separately, a condensation product of thiourea and formaldehyde, and then a mixing of these resulting condensation products. The counts of the interference, however, are not thus confined, but are broad enough to cover a simultaneous mixing of urea, thiourea, and formaldehyde. As remarked by the Board of Appeals, the one example given by Rossiter discloses just such a simultaneous admixture. It is:

> The invention is illustrated in the following example: 96 lbs. of thiourea and 74 lbs. of urea are dissolved in 271 lbs. of formalin containing 120 lbs. of formaldehyde; the mixture is warmed to 60°–70° C. until all the thiourea and urea has dissolved. A turbid solution is obtained which after remaining a few hours to allow the condensation to take place is evaporated at 70°–80° C. by blowing a brisk current of air through it, until the solution of the condensation product is sufficiently concentrated or until all adhering water is evaporated.

Appellant contends that count 9 will not read on appellee's disclosure, because of the fact that this count provides that the solution may not be heated to the boiling point for any "substantial period of time," and that Ellis does so heat his solution. The Law Examiner points out, we think properly, that this count only limits such heating to the period when the dissolving of the products is occurring. Ellis' one example shows that, during this period, the temperature of the mixture does not rise above 67 degrees centigrade.

We find no error in the decision of the Board of Appeals and it is affirmed.

We have examined those portions of the record brought here by certiorari, after suggestion of a diminution of the record, by appellee. Of these, papers 1 and 2, the preliminary statements of the parties, and paper 106, a supplemental decision by the Board of Appeals, should have been included in the record, and the costs of printing these items are taxed against the appellant. Papers 68, 79, and 88, relating to a motion to suppress and a motion to strike, are not involved in the issues on appeal here, and the costs for printing the same will be taxed to the appellee.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

908,125, F. C. Overbury, Roofing member and the method of making same; 1,410,018, O. P. Kiracofe, Roofing machine, D. C. N. J., Doc. E 1168, *Flintkote Co.* v. *National Asbestos Mfg. Co.* Decree for complainant Mar. 18, 1935.

1,206,742, 1,206,743, J. S. Wheeler, Pipe-bending machine; 1,263,901, 1,462,678, 1,596,903, same, Bending machine; 1,326,999, Wallace & Fox, Work holder, 1,342,363, same, Gear-clutch for bending machines, D. C., N. D. Calif., S. Div., Doc. 2140–K, *J. S. Wheeler* v. *U. S. Pipe Bending Co. et al.* Dismissed without leave to amend Oct. 5, 1928.

1,206,743. (See 1,206,742.) 1,263,901. (See 1,206,742.)

1,297,188 (a), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, D. C., N. D. Ill., E. Div., Doc. 14333, *Radio Corp. of America et al.* v. *Eagle Radio Co., Inc., et al.* Consent decree holding patents valid and infringed Feb. 23, 1935.

1,297,188 (b), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, filed Mar. 28, 1935, D. C., S. D. N. Y., Doc. E 80/77 *Radio Corp. of America et al.* v. *Foo Radio Corp. et al.*

1,326,999. (See 1,206,742.) 1,342,363. (See 1,206,742.)

1,382,157. (See 1,411,227.)

1,383,743, G. W. Graves, Stove; 1,475,587, J. E. Leonard, Kitchenette stove and cabinet; Des. 82,607, 1,817,856, J. Teller, Cabinet gas range; 1,825,373, same, Safety device for gas stoves and ranges; 1,836,782, same, Stove structure; 1,820,849, Des. 85,354, Teller & Schuls, Gas or electric cooking range; Des. 85,962, same, Cabinet cooking range; 1,840,751, same, Gas stove and range; 1,931,334, same, Safety appliance for gas or electric range; 1,935,567, H. H. Heidbreder, Range, filed Mar. 21, 1935, D. C., E. D. Pa., Doc. 3573, *Teller Stove Designing Corp* v. *Roberts & Mander Stove Co.*

1,361,143, D. D. Daniel, Attachment for motion picture machine; 1,618,417, Feeney & Godoy, Fire preventing apparatus for motion picture projecting machines; 1,725,574, same, Dowser unit for motion picture projecting machines; 1,658,594, same, Dowser closing mechanism for motion picture projecting machines; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, filed Mar. 18, 1935, D. C., E. D. Pa., Doc. 3569, *Sentry Safety Control Corp.* v. *E. J. Dech.*

1,377,023, B. S. Nelson, Lubricating device; 1,459,662, C. W. Mansel, Lubricating system; 1,475,980, O. Zerk, Lubricating apparatus, filed Sept. 15, 1934, D. C., N. D. N. Y., Doc. 2856, *Stewart-Warner Corp. et al.* v. *E. J. Scharoun et al.*

1,379,186, J. S. Jennings, Jr., Method of and means for governing explosive engines; 1,461,933, E. R. Pierce, Speed governor for internal combustion engine, D. C., E. D. Mich., S. Div., Doc. 4065, *Monarch Governor Co.* v. *Handy Governor Corp.* Dismissed Mar. 20, 1935. Doc. 4066, *Monarch Governor Co.* v. *Detroit Lubricator Co.* Decree as above.

1,389,067, M. D. Nielson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making garments for women and children, filed Jan. 29, 1935, D. C. Minn. (Minneapolis), Doc. E 2810, *Winget-Kickernick Co. et al.* v. *S. S. Kresge Co.* Doc. E 2811, *Winget-Kickernick Co. et al.* v. *J. C. Penny Co., Inc.*

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 14332, *Radio Corp. of America et al.* v. *Eagle Radio Co., Inc., et al.* Consent decree holding patents valid and infringed Feb. 23, 1935. Same, filed Mar. 2, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 550–C, *Radio Corp of America et al.* v. *J. L. Misrach (United Radio Stores).*

1,403,932. (See 1,403,475.)

1,404,568, A. H. Blackburn, Furnace; 1,544,207, R. L. Beers, Tuyère structure for single-retort stokers; 1,710,260, O. A. Johnson, Tuyère block; 1,836,395, C. H. Rich, Stoker tuyère construction; 1,896,569, J. W. Armour, Tuyère block, filed Mar. 25, 1935, D. C. Minn. (Minneapolis), Doc. E 2826, *Riley Stoker Corp.* v. *Jeffery-Quest Foundry Co.*

1,410,018. (See 908,125.)

1,411,227, L. A. Suckoff, Spring cushion construction; 1,352,157, same, Spring inserting tool, D. C., E. D. N. Y., Doc. E 7219, *Nachman Spring Filled Corp.* v. *Kay Mfg. Corp.* Decree for plaintiff Mar. 22, 1935.

1,414,220, F. K. Singer, Conveying machine; Re. 15,754, F. T. Taylor, Conveying mechanism; 1,501,946, W. F. Hall, Electro plating apparatus; 1,896,070, same, Automatic conveyor for chemical and electro-chemical operations, filed Mar. 16, 1935, D. C., N. D. N. Y., Doc. 2881, *Hanson-Van Winkle Munning Co.* v. *U. S. Galvanising & Plating Equipment Corp.*

1,459,662. (See 1,377,023.) 1,461,933. (See 1,379,186.)

1,462,625, 1,642,827, J. T. Riddell, Athletic shoe; 1,659,666, same, Athletic shoe construction, D. C., S. D. Ohio, W. Div., Doc. E 786, *J. T. Riddell, Inc.* v. *The P. Goldsmith Sons Co.* Dismissed (notice Mar. 25, 1935).

1,462,678. (See 1,206,742.) 1,475,587. (See 1,383,743.)

1,475,980. (See 1,377,023.) 1,482,151. (See 1,545,471.)

1,483,466, Maurer & Maurer, Scenery-forming paper and method of preparing same; 1,650,372, same, Scenery-forming paper, filed Mar. 20, 1935, D. C., W. D. Pa., Doc. E 3056, *C. B. Maurer et al.* v. *W. K. Van Sciver et al.* (*Rocky Mountain Paper Co.*).

1,501,946. (See 1,414,220.)

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system, filed Mar. 28, 1935, D. C., S. D. N. Y., Doc. E 80/76, *Radio Corp. of America et al.* v. *H. F. Lyman.*

1,507,016. (See 1,403,475.)

1,507,017. (See 1,403,475 and 1,507,016.)

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, cards, etc.; 1,739,087, same, Cards and the like for classificatory system, filed Mar. 23, 1935, D. C., N. D. Iowa (Cedar Rapids), Doc. E 177, *The McBee Co.* v. *Lefebure Co., Inc.*

1,544,207. (See 1,404,568.)

1,545,471, 1,482,151, H. Rosenberg, Metallic fastener; 1,912,222, 1,686,468, same, Fastener; 1,978,145, same, Anchorage device, filed Mar. 20, 1935, D. C., E. D. N. Y. Doc. 37541, *H. Rosenberg et al.* v. *Groov-Pin Corp.*

1,555,054, R. Berkowitz, Hexagonal folding box; 1,623,715, same, Hat box, filed Mar. 28, 1935, D. C., E. D. N. Y., Doc. E 7549, *A. Berke et al.* v. *Courtney Folding Box Corp.*

1,573,374. (See 1,297,188 (a) and (b).)

1,598,874, L. A. Phelan, Electrical apparatus; 1,991,350, C. M. Green, Electric connector, filed Mar. 11, 1935, D. C., N. D. N. Y., Doc. 2880, *Arcless Contact Co.* v. *General Electric Co.*

1,598,903. (See 1,206,742.)

1,600,390, Barrett & Bartling, Shaft for golf clubs; 1,918,171, H. G. Barrett, Method of heating and stretching tubes over shafts, filed Mar. 6, 1935, D. C., N. D. Ill. E. Div., Doc. 14,347, *General Automatic Corp.* v. *The Kroydon Co.*

1,618,017. (See 1,403,475 and 1,297,188 (b).)

1,618,417. (See 1,361,143.) 1,623,715. (See 1,555,054.)

1,642,827. (See 1,462,625.) 1,645,741. (See 1,766,016.)

1,647,043. (See 1,876,784.) 1,650,372. (See 1,483,466.)

1,658,421. (See 1,766,016.) 1,658,594. (See 1,361,143.)

1,659,666. (See 1,462,625.) 1,680,267. (See 1,389,067.)

1,680,457. (See 1,876,784.) 1,686,468. (See 1,545,471.)

1,702,833. (See 1,403,475.)

1,707,617. (See 1,297,188 (a) and (b).)

1,707,938. (See 1,876,784.) 1,710,260. (See 1,404,568.)

1,724,266. (See 1,766,016.) 1,725,556. (See 1,361,143.)

1,725,574. (See 1,361,143.) 1,789,087. (See 1,544,172.)

1,766,016, C. J. Ellis, Rail brake for railway cars; 1,866,552, same, Magnetic brake; 1,724,266, 1,645,741, T. Elliott, Rail brake for railway cars; 1,658,421, W. G. Stuck, same, filed Dec. 21, 1935, D. C., N. D. N. Y., Doc. 2873, *Cincinnati Traction Building Co.* v. *General Electric Co.*

1,795,214. (See 1,297,188 (a) and (b).)

1,811,095. (See 1,403,475.) 1,817,856. (See 1,353,743.)

1,820,849. (See 1,353,743.) 1,825,373. (See 1,353,743.)

1,836,395. (See 1,404,568.) 1,836,782. (See 1,353,743.)

1,840,751. (See 1,353,743.)

1,864,265. (See Re. 18,949.)

1,866,552. (See 1,766,016.)

1,876,784, G. W. Stedwell, Liquid dispensing; Re. 17,558 (of 1,647,043), J. J. Hawxhurst, Liquid delivery control; 1,707,938, same, Liquid service station; 1,680,457, same, Liquid delivery apparatus, filed Mar. 22, 1935, D. C., S. D. N. Y., Doc. E 80/16, *Sherwell Controls, Inc.* v. *Aqua Systems, Inc., et al.*

1,894,197. (See 1,207,188 (a) and (b).)

1,896,079. (See 1,414,220.) 1,896,569. (See 1,404,568.)

1,913,222. (See 1,545,471.) 1,918,171. (See 1,600,890.)

1,931,334. (See 1,353,743.) 1,935,567. (See 1,353,743.)

1,949,394, 1,983,984, F. Martin, Auto pit, filed Mar. 19, 1935, D. C., E. D. N. Y., Doc. E 7540, *T. A. Martin, et al. v. H. A. Mogler, et al.*

1,978,143. (See 1,545,471.)

1,978,568, Crowley & Neighbors, High-frequency inductance; 1,983,690, W. J. Polydoroff, Selective radio circuit, filed Mar. 1, 1935, D. C., N. D. Ill., E. Div., Doc. 14,842, *Johnson Laboratories, Inc. v. Meissner Mfg. Co. et al.*

1,982,699. (See 1,978,568.) 1,983,984. (See 1,949,394.)

1,991,359. (See 1,566,874.)

Re. 15,764. (See 1,414,220.)

Re. 17,538. (See 1,876,784.)

Re. 17,998. (See 1,889,067.)

Re. 18,579. (See 1,403,475 and 1,297,188 (b).)

Re. 18,949 (of 1,864,265), W. H. Ve Relle, Tie, filed Mar. 19, 1935, D. C., E. D. Pa., Doc. 8571, *W. H. Ve Relle v. Associated Devices Corp.*

Des. 82,907. (See 1,353,743.)

Des. 85,264. (See 1,353,743.)

Des. 85,962. (See 1,353,743.)

T. M. 21,734, Gordon & Co., Liquors; T. M. 65,077, Tanqueray Gordon & Co., Ltd., Gin and cordials; T. M. 68,640, same, Spirituous liquors and cordials; T. M. 81,924, same, Gin; T. M. 263,635, same, Gin, cocktails, orange bitters, sloe gin, whisky, appeal filed Jan. 17, 1935, C. C. A., 3d Cir., Doc. 5740, *W. Gordon v. Tanqueray Gordon Co., Ltd.*

T. M. 65,077. (See T. M. 21,734.)

T. M. 68,640. (See T. M. 21,734.)

T. M. 81,924. (See T. M. 21,734.)

T. M. 263,635. (See T. M. 21,734.)

Disclaimers

1,911,008.—*William H. Withington*, New York, N. Y. LIQUID CLARIFIER. Patent dated May 23, 1933. Disclaimer filed April 12, 1935, by the patentee, the assignee, *Hardinge Company, Incorporated*, consenting and approving.

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words, to wit: Claims 4, 24, and 37 of my above-identified patent, reading as follows:

"4. In a settling device the combination of a tank, scraper means in said tank, means for moving the scraper over the bottom of the tank in one direction, leverage mechanism operative when the scraper is moved in the opposite direction for raising the scraper away from the bottom of the tank, and means for removing the settled and scraped substances from the tank."

"24. A clarifier for sewage and the like comprising a tank, a carriage movable thereover, sludge scraping means carried by the carriage for scraping sludge from the bottom of the tank, said scraper means being relatively displaceable from a scraping position to a non-scraping position, leverage mechanism for controlling the position of said scraper means, and means at each end of the tank for operating said leverage mechanism."

"37. A clarifier for sewage and the like comprising a tank, a carriage movable thereover, sludge scraping means carried by the carriage for scraping sludge from the bottom of the tank and including a blade movable into and out of sludge scraping position, means for moving the carriage alternately in opposite directions over the tank, means for positioning the sludge scraping means in operation and inoperative positions, and stationary means rendered operative by the movement of the carriage for controlling the positioning of said blade."

1,991,455.—*Christian Gottwald*, Cleveland Heights, Ohio. CONDUIT AND CONDUIT SYSTEM. Patent dated February 19, 1935. Disclaimer filed April 16, 1935, by the assignee, *The Rio-wiL Company*.

They therefore, in compliance with R. S. 4917; 35 U. S. C. 65, severally and jointly enter this disclaimer as follows:

They disclaim from claim number 11 any unit in which a central tube and outer covering are hermetically sealed together at both ends of the covering and intermediate the ends of the central tube to provide an hermetically sealed jacket about a portion of said central tube.

Adjudicated Patents

(D. C. Ill.) Wahl patent, No. 1,487,189, for clipper, claim 2 *Held* valid and infringed. *Wahl v. Brown & Sharpe Co.*, 9 F. Supp. 902.

(C. C. A. Ohio) Wood patent, No. 1,788,935, for lens, claims 1 and 3 *Held* not infringed and claims 5, and 6 *Held* invalid. *Wood v. Peerless Motor Car Corporation*, 75 F.(2d) 554.

(C. C. A. Minn.) Gray patent, No. 1,810,826, for grease service rack *Held* invalid. *Gray v. Texas Co.*, 75 F.(2d) 606.

(D. C. Mass.) Earnshaw patent, No. 1,852,993, for play suit, *Held* invalid and infringed. *Earnshaw Knitting Co. v. William Carter Co.*, 9 F. Supp. 910.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 7, 1935

[VOL. 454 · No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

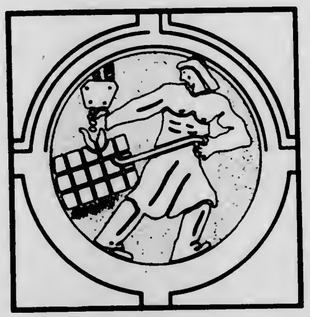
Raw or Partly-Prepared Materials

Ser. No. 337,960. HENRY LAUHOFF CEREAL MILLS, INC., Detroit, Mich. Filed May 18, 1933.

Reishlax

For Rice Flakes and Cereals for Brewers' Grains.
Claims use since June, 1928.

Ser. No. 358,026. PERLSTEIN BROTHERS, New York, N. Y. Filed Nov. 8, 1934.



For Sole Leather.
Claims use since January, 1934.

Ser. No. 362,492. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Mar. 13, 1935.

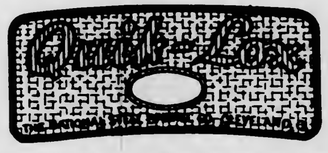
OLD GOLD

For Sheets Made of Regenerated Cellulose.
Claims use since Feb. 26, 1935.

CLASS 2

Receptacles

Ser. No. 362,523. THE NATIONAL STEEL BARREL COMPANY, Cleveland, Ohio. Filed Mar. 14, 1935.



No claim is made to the words "Quik-Lox" and "Cleveland, O." apart from the mark as shown. The drawing is lined for red and gold.

For Metal Shipping and Storing Drums and Barrels of the Removable Head Type.
Claims use since Jan. 26, 1935.

Ser. No. 362,813. ELITE LAUNDRY COMPANY, INC., Philadelphia, Pa. Filed Mar. 21, 1935.

PAK-A-BAG

No claim is made to the word "Bag" apart from the mark.
For Cloth Laundry Bags.
Claims use since Mar. 7, 1935.

Ser. No. 363,370. OLD FAITHFUL CORPORATION, INC., Bloomfield, N. J. Filed Apr. 3, 1935.

GEYSER

For Covered Syphons and Bulbs or Capsules for Compressed or Liquid Gas.
Claims use since Mar. 20, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 358,886. HARRY L. RABINOW, doing business as Alkadent Company, Long Island City, N. Y. Filed Nov. 12, 1934.



For Denture Cleansing Powder.
Claims use since June, 1933.

Ser. No. 359,770. GEORGE W. BEEMAN, Detroit, Mich. Filed Dec. 31, 1934.



The drawing is lined to indicate the color lavender or purple. The white indicates white, this color being an essential part of the mark but claimed only in association with the other features of the mark as shown. No claim is made to the representation of the container.
For Lather Type Shaving Cream.
Claims use since Dec. 15, 1934.

Ser. No. 359,771. GEORGE W. BEEMAN, Detroit, Mich. Filed Dec. 31, 1934.



The drawing is lined to indicate the color green. The white indicates white, this color being an essential part of the mark, but claimed only in association with the other features of the mark as shown. No claim is made to the representation of the container.
For Brushless Shaving Cream.
Claims use since Dec. 15, 1934.

Ser. No. 362,095. THE SNO-KOTE COMPANY, New York, N. Y. Filed Mar. 2, 1935.



The words "Colloidalized" and "Emulsified" are disclaimed apart from the mark as shown.
For Preparation for Cleaning and Whitening All Kinds of White Shoes.
Claims use since Feb. 25, 1935.

Ser. No. 362,166. GEORGE COLOVOS, doing business as Oriental Laboratories, Chicago, Ill. Filed Mar. 6, 1935.

ORIENTAL

For Polish and Dressings for Shoes and Burnishing Inks.
Claims use since June 1, 1924.

Ser. No. 362,174. SAMUEL J. GROSS, Brooklyn, N. Y. Filed Mar. 6, 1935.

MAGIC RUB

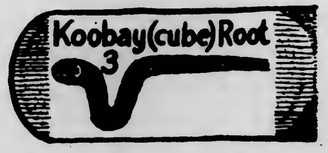


No claim is made to any wording except "Magic" and "A Household Gem" apart from the mark as shown.
For Polishing Powder for Cleaning and Polishing Porcelain, Tile, Mirrors, Windows, Nickel, Brass, Aluminum, Woodwork, Painted Surfaces, White Shoes.
Claims use since Mar. 1, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 357,370. WILLIAM J. DENNIS, Des Moines, Iowa. Filed Oct. 22, 1934.



The words "Koobay (Cube) Root" except in the association shown are disclaimed.
For Cube Roots and Cube Root Extract, Ground Cube, and Insecticide Containing Cube Used as Insecticide and for Making Insecticides.
Claims use since Apr. 1, 1934.

Ser. No. 358,091. JEAN LESTANDI DE VILLANI, Paris, France. Filed Nov. 10, 1934.



All wording except "Bankoo" is disclaimed apart from the mark.
For Beauty Oil.
Claims use since July 19, 1934.

Ser. No. 358,708. JACINTO SOSA, doing business as Sanson Pharmacal Company, Brooklyn, N. Y. Filed Nov. 22, 1934.



For Medicinal Tonic for General Use.
Claims use since Sept. 20, 1934.

Ser. No. 359,098. ARTHUR W. VONDEILEN, doing business as Anodex Laboratories, Ventnor, N. J. Filed Dec. 8, 1934.

ANODEX

For Preparation for the Relief of Distress, Discomfort Attending Dental Operations, and Recommended Particularly for the Relief of Postoperative Pain After the Extraction of Teeth, and Otherwise Recommended for Antiseptic use for Infections in the Oral Cavity and Usable in Gum Sockets as a Hemostatic.
Claims use since Oct. 1, 1933.

Ser. No. 359,344. COTY, INC., Wilmington, Del. Filed Dec. 15, 1934.

"Continentale"

For Lipsticks, Perfumes, Toilet Waters, Face Powders, Sachet Powders, Lotions for the Skin and Hair, Brilliantine, Powder Compacts, Rouge Compacts, Manicure Preparations, including Cuticle Remover, Nail White, Powder Polish, Paste Polish, Cuticle Cream, Cuticle Oil, Liquid Polish and Polish Solvent, Rouges, Talcum Powders, Dusting Powders, Face Creams, and Bath Salts.
Claims use since Dec. 3, 1934.

Ser. No. 359,397. CHARLES E. MUELLER, Cedar Rapids, Iowa. Filed Dec. 17, 1934.

Paramount

T-N-T

For Insecticides.
Claims use since June 15, 1932.

Ser. No. 359,474. THE MARLENE COMPANY OF WASHINGTON, D. C., Washington, D. C. Filed Dec. 19, 1934.

MARLENE

For Face Powder, Cold Cream, Perfume, Honey and Almond Lotion, Tissue Cream, Deodorant, Liquefying Cream, Brilliantine, Talcum Powder, Skin Freshener, Lipstick, Rouge, Vanishing Cream, Liquid Shampoo.
Claims use since Nov. 1, 1934.

Ser. No. 359,896. CHARLOTTE THOMAS, Los Angeles, Calif. Filed Dec. 22, 1934.

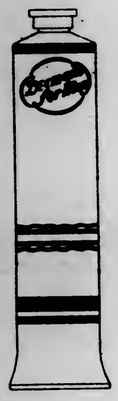
RADIUM THOMAS TRADE MARK CONE

The words "Radium Cone" are disclaimed except as associated with the drawing. The representation of the cone and the words "Trade mark" are disclaimed.

For Radium Cones that are Placed in Water to Improve it for Drinking Purposes by Making it Radio-Active.

Claims use since Nov. 1, 1934.

Ser. No. 359,772. GEORGE W. BEEMAN, Detroit, Mich. Filed Dec. 31, 1934.



The drawing is lined for black. The white indicates white. This being an essential part of the mark, but claimed only in association with the other features of the mark as shown. No claim is made to the notation "for Men" nor to the representation of the container.

For Cream Skin Conditioner.

Claims use since Dec. 15, 1934.

Ser. No. 360,950. CHARLES E. GUTHRIDGE, doing business as Re-Ge-Na Medicine Co., Roanoke, Va. Filed Jan. 29, 1935.

RE-G-NA

For Headache Powders.

Claims use since June 20, 1934.

Ser. No. 361,144. HEPA LABORATORIES INCORPORATED, Cleveland, Ohio. Filed Feb. 7, 1935.

HEPA LABORATORIES INCORPORATED HELPALAX

The term "Trade mark" is disclaimed apart from the mark as shown.

For Laxative Compound.

Claims use since May 4, 1933.

Ser. No. 361,284. MATTHIAS N. PITZ, doing business as The Nen Co., Neenah, Wis. Filed Feb. 11, 1935.

Rx 46

The symbol "R" is disclaimed apart from the mark as shown.

For Preparation for Relief of Ailments and Irritation Due to Sweaty Feet for Treating Bromodrosis and Athlete's Foot.

Claims use since Nov. 10, 1934.

Ser. No. 361,334. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed Feb. 12, 1935.

Subenon

For Medicinal Product which Acts as an Anti-Rheumatic and an Anti-Arthritic.

Claims use since Oct. 31, 1934.

Ser. No. 361,447. THOMAS B. GREENWOOD, San Antonio, Tex. Filed Feb. 15, 1935.

DERMEASE

For Salve for Athlete's Foot and Other Skin Infections.

Claims use since Jan. 1, 1934.

Ser. No. 361,975. STEPHEN A. LORCZAK, doing business as S-L-Herbs, Newark, N. J. Filed Feb. 28, 1935.

S-L-HERBS

The word "Herbs" is disclaimed apart from the mark as shown.

For Medicinal Tea for use in Connection with the Relief of Colds, as a Laxative, and as a General Tonic.

Claims use since Dec. 31, 1934.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 362,025. THE FORD PHARMACAL COMPANY, Cleveland, Ohio. Filed Mar. 1, 1935.

METHYL-GESIC

No claim is made to the word "Methyl" apart from the mark.

For Medicinal Preparation, being a Rubifacient in Ointment Form, for the Treatment of Chest Colds and Muscular Pains, Rheumatic and Arthritic Pains, Headaches, and Congestion of the Bones and Joints, by External Application Upon the Affected Area.

Claims use since Sept. 5, 1934.

Ser. No. 362,071. COWAN AND COWAN, INC., Buffalo, N. Y. Filed Mar. 2, 1935.

CO·LO·NO

For Laxatives.

Claims use since Oct. 1, 1912.

Ser. No. 362,163. KENNETH BELINKER, doing business as Kenbel Products, Philadelphia, Pa. Filed Mar. 6, 1935.

TO CLEAN AND DEODORIZE FUN WILL SUPERVISE

No claim is made to the words "To Clean and Deodorize" apart from the mark shown.

For Liquid Deodorant, Cleaner, and Disinfectant.

Claims use since Jan. 12, 1935.

Ser. No. 362,201. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Mar. 6, 1935.



For Preparation for Exterminating Rats and Mice.

Claims use since May 3, 1934.

Ser. No. 362,205. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Mar. 6, 1935.

ENTORAL

For Preparation Made of Upper Respiratory Organisms, Put Out in Capsules, for the Prevention of Respiratory Infections.

Claims use since Jan. 30, 1935.

Ser. No. 362,211. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Astorit

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting Preparations, Smoothing and Finishing Preparations.

Claims use since July 28, 1934.

Ser. No. 362,212. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Limital

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Penetrating Preparations, Thread and Fibre Protecting Preparations, Smoothing Preparations, and Tanning Preparations.

Claims use since Aug. 15, 1934.

Ser. No. 362,213. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Ondi

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Penetrating Preparations, Thread and Fibre Protecting Preparations, Smoothing Preparations, and Tanning Preparations.

Claims use since Aug. 27, 1934.

Ser. No. 362,214. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Gardul

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting Preparations, Smoothing, Finishing, and Bleaching Preparations for Textile Fabrics and Leather in the Course of Manufacture.

Claims use since Nov. 12, 1934.

Ser. No. 362,215. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Abron

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting Preparations, Smoothing, Finishing, and Bleaching Preparations for Textile Fabrics and Leather in the Course of Manufacture.

Claims use since Nov. 12, 1934.

Ser. No. 362,216. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Nomalit

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting Preparations, Smoothing, Finishing, and Bleaching Preparations for Textile Fabrics and Leather in the Course of Manufacture.

Claims use since Nov. 12, 1934.

Ser. No. 362,217. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Setilon

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting Preparations, Thread and Fibre Penetrating, Smoothing, and Finishing Preparations for Use in the Treatment of Textile-Fabrics and Leather in the Course of Their Manufacture.

Claims use since Dec. 12, 1934.

Ser. No. 362,218. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Mar. 7, 1935.

Florinat

For Chemical Dye Aids—Namely, Thread and Fibre Protecting, Penetrating, Smoothing, Tanning, and Bleaching Preparations for Use in the Treatment of Textile Fabrics and Leather in the Course of Their Manufacture.
Claims use since Dec. 12, 1934.

Ser. No. 362,251. CARDEL, INC., St. Louis, Mo. Filed Mar. 8, 1935.

Londel's

For Toilet Lotions.
Claims use since Feb. 28, 1935.

Ser. No. 362,266. OLD TIMERS REMEDIES, INC., Chicago, Ill. Filed Mar. 8, 1935.



For Foot Powder, a Deodorant Powder, and a Tooth Powder.
Claims use since July, 1934.

Ser. No. 362,270. THE JOHN PUHL PRODUCTS CO., Chicago, Ill. Filed Mar. 8, 1935.

OEHME

For Ammonia.
Claims use since Feb. 18, 1935.

Ser. No. 362,274. JOSEPH SENDECKE, doing business as Senn Laboratories, Chicago, Ill. Filed Mar. 8, 1935.

Vita · E

For Oil Extracted from the Wheat Germ Relatively High in Vitamin E to Correct Vitamin E Deficiency.
Claims use since Jan. 11, 1935.

Ser. No. 362,526. ODORNOKKER COMPANY, Ontario, Calif. Filed Mar. 14, 1935.

Odornokker

For Breath Deodorant.
Claims use since Dec. 1, 1933.

Ser. No. 362,558. CHRIST E. CATEVENIS, doing business as Herb Product Co., Fort Lauderdale, Fla. Filed Mar. 15, 1935.

HP

For Preparation for the Treatment of Piles.
Claims use since January, 1933.

CLASS 7

Cordage

Ser. No. 363,372. PARKER-MEYER-DENNIS COMPANY, Dubuque, Iowa. Filed Apr. 3, 1935.

"SAFLEX"

For Fibrous Cord.
Claims use since May 28, 1934.

CLASS 10

Fertilizers

Ser. No. 362,864. ATKINS & DURROW, INC., New York, N. Y. Filed Mar. 22, 1935.

ANDCO

For Fertilizer and Soil Builder.
Claims use since Mar. 15, 1935.

CLASS 12

Construction Materials

Ser. No. 350,784. EL REY PRODUCTS CO., Los Angeles, Calif. Filed Dec. 31, 1934.

EL REY

For Composition Shingles, Composition Roofing, Composition Sliding Material, Duck Deck Roofing, Damp Course, Felt and Asphalt Saturated Felt Industrial Flooring Material, Asphalt Saturated Sheathing, Roofing Felt, Deadening Felt, Rosin Sized Sheathing, Felt and Asphalt Saturated Felt Car Lining Material, Plaster Board, Felt and Asphalt Saturated Felt House Lining Material, Asbestos Fiber Roof Coating, Plastic Roof Cement, Lap Cement and Asphalt Pipe Covering.
Claims use since Jan. 15, 1926.

Ser. No. 359,785. EL REY PRODUCTS CO., Los Angeles, Calif. Filed Dec. 31, 1934.



The drawing is lined for red and yellow.
For Plastic Roof Cement and Asbestos Fiber Roof Coating.
Claims use since Jan. 31, 1934.

Ser. No. 361,025. THE PARKER-RUSSELL MINING & MANUFACTURING COMPANY, St. Louis, Mo. Filed Feb. 4, 1935.

SILIMULITE

For Fire Clay Products, Being Standard and Special Refractory Brick and Standard and Special Refractory Tile Shapes Used for High Temperature Furnace Work, of High Fusion Point, Resistant to Spalling Under Thermal Shocks, and of High Thermal Conductivity.
Claims use since Dec. 17, 1934.

Ser. No. 361,116. QUIGLEY COMPANY, INC., New York, N. Y. Filed Feb. 6, 1935.

HUSKY

For Refractory Brick.
Claims use since Sept. 21, 1934.

Ser. No. 361,117. QUIGLEY COMPANY, INC., New York, N. Y. Filed Feb. 6, 1935.

HYALOX

For Refractory Brick.
Claims use since Jan. 10, 1935.

Ser. No. 361,381. CAPEX COMPANY, Chicago, Ill. Filed Feb. 14, 1935.

"CAPEX"

For Artificially Constructed Pillars, Backgrounds and the Like for Providing Window Displays and Special Configurations of Material to be Placed Against Backgrounds for Window Displays.
Claims use since Nov. 21, 1934.

Ser. No. 361,492. WILBUR HENRY ADAMS & ASSOCIATES, Cleveland, Ohio. Filed Feb. 18, 1935.

LUMINOUS BUILDINGS

Applicant disclaims the word "Buildings" apart from the mark as shown.
For Lumber, Glass Tile, Finished Building Stone, Wooden and Metal Sash, Sheathing, Structural Steel, Stucco, Veneer, and Wall Board.
Claims use since July, 1934.

Ser. No. 361,805. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Feb. 25, 1935.

AMROC

For Mineral Insulating Material, Also Known as "Rock Wool" Supplied in Forms of Blanket Insulation, Insulating Cements, Loose, Powdered, Granulated, and Pressed, for Insulating Purposes, Thermal Insulation, Hot and Cold Insulation, and for Sound Deadening.
Claims use since July, 1934.

Ser. No. 362,297. CONVERTIBLE DOOR MANUFACTURING COMPANY, Milwaukee, Wis. Filed Mar. 9, 1935.

"MASTER" GoldSeal

For Wood Structures—Namely, Mouldings, Cornice, Rosettes, Plywood, Dowels, Doors, Windows, Screen Doors, Window Screens, Sash, Stairs, Window and Door Frames, Weatherstrip, and Shutters.
Claims use since Feb. 26, 1935.

Ser. No. 362,610. CENTRAL FIBRE PRODUCTS CO., Hutchinson, Kans. Filed Mar. 16, 1935.

Greymont

For Wall Board.
Claims use since Sept. 13, 1932.

Ser. No. 362,661. CARL BLACKSTOCK, doing business as Blackstock Lumber Co., Seattle, Wash. Filed Mar. 18, 1935.

TOTEM

For Shake Lumber.
Claims use since Dec. 10, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 349,357. AZA MFG. CO., Chicago, Ill. Filed Mar. 31, 1934.



For Dancing Shoe Plates.
Claims use since March, 1928.

Ser. No. 362,012. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Mar. 1, 1935.

SILVER STRAND

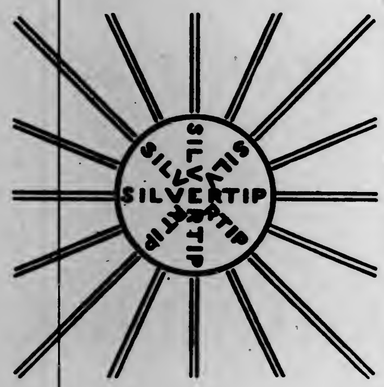
For Wire Bale Ties.
Claims use since Dec. 11, 1934.

Ser. No. 362,014. THE COLORADO FUEL AND IRON PRODUCTS COMPANY, Denver, Colo. Filed Mar. 1, 1935.

SILVERTIP

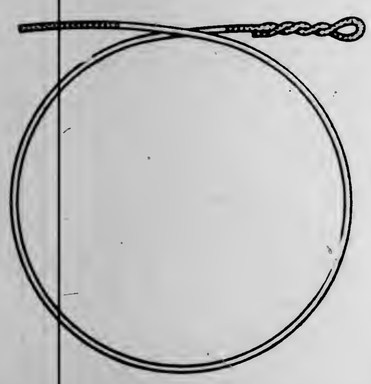
For Metal Strap Ties for Bales and the Like.
Claims use since Nov. 1, 1934.

Ser. No. 362,015. THE COLORADO FUEL AND IRON PRODUCTS COMPANY, Denver, Colo. Filed Mar. 1, 1935.



For Metal Strap Ties for Bales and the Like.
Claims use since Nov. 1, 1934.

Ser. No. 362,017. THE COLORADO FUEL AND IRON PRODUCTS COMPANY, Denver, Colo. Filed Mar. 1, 1935.



Trade-mark consists of a silver band or tip applied to either or both ends of the tie. The representation of the tie is disclaimed.
For Metal Strap Ties for Bales and the Like.
Claims use since Jan. 31, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 358,900. SOCIÉTÉ: TREFILERIES & LAMINOIRS DU HÂVRE (SOCIÉTÉ ANONYME), Paris, France. Filed Dec. 4, 1934.

MAGAL
TLH

For Aluminum and Magnesium Alloys in the Form of Ingots, Bars, Wires, Sheets, and Bands.
Claims use since Dec. 21, 1933.

Ser. No. 362,984. ZIV STEEL & WIRE CO., Chicago, Ill. Filed Mar. 25, 1935.

Cromotung

For Tool Steel.
Claims use since Jan. 10, 1935.

CLASS 15

Oils and Greases

Ser. No. 362,194. THE SECURITY OIL COMPANY, Wichita, Kans. Filed Mar. 6, 1935.



For Lubricating Oils and Lubricating Greases.
Claims use since Dec. 1, 1934.

Ser. No. 362,195. THE SECURITY OIL COMPANY, Wichita, Kans. Filed Mar. 6, 1935.



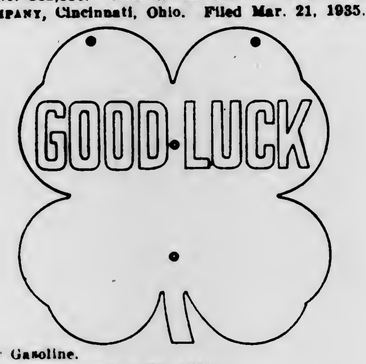
For Lubricating Oils and Lubricating Greases.
Claims use since Dec. 1, 1934.

Ser. No. 362,361. GILMORE OIL COMPANY, Los Angeles, Calif. Filed Mar. 11, 1935.

RECORD BREAKER

For Lubricating Oils, Lubricating Greases, and Gasoline.
Claims use since Jan. 14, 1935.

Ser. No. 362,838. OHIO RIVER REFINING AND TERMINAL COMPANY, Cincinnati, Ohio. Filed Mar. 21, 1935.



For Gasoline.
Claims use since Jan. 26, 1935.

Ser. No. 363,019. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 26, 1935.

TAVERN

For Candles.
Claims use since Mar. 14, 1935.

Ser. No. 363,128. THE TEXAS COMPANY, New York, N. Y. Filed Mar. 28, 1935.

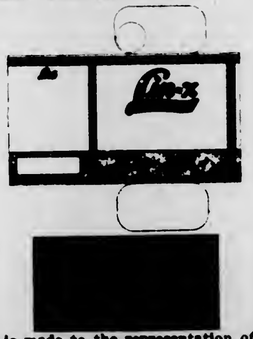
SULTEX

For Cutting Oil.
Claims use since Feb. 27, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 362,330. ACME WHITE LEAD AND COLOR WORKS, Detroit, Mich. Filed Mar. 11, 1935.



No claim is made to the representation of the top and bottom of the can. The drawing is lined for black, yellow, red, tan, and brown.
For Prepared Paints—Namely, Semi-Paste Paints, Paste Paints, Flat Paints, Gloss Paints, Floor Paints, Varnishes, Color Varnishes, Paint and Varnish Enamels, Paint and Enamel Finishes, Lacquers, Waxes and Polishes for Paint, Enamel, Varnish, and Lacquer Surfaces.
Claims use since Nov. 10, 1932.

CLASS 17

Tobacco Products

Ser. No. 362,421. KENT TOBACCO COMPANY, INC., New York, N. Y. Filed Mar. 12, 1935.

MEADOWBROOK
CIGARETTES



The word "Cigarettes" is disclaimed apart from the mark shown.
For Cigarettes.
Claims use since Mar. 4, 1935.

Ser. No. 362,422. KENT TOBACCO COMPANY, INC., New York, N. Y. Filed Mar. 12, 1935.

MEADOWBROOK
CIGARETTES



THE THOROUGHBRED

The word "Cigarettes" is disclaimed apart from the mark shown.
For Cigarettes.
Claims use since Mar. 4, 1935.

Ser. No. 362,423. KENT TOBACCO COMPANY, INC., New York, N. Y. Filed Mar. 12, 1935.

MEADOWBROOK
CIGARETTES

The word "Cigarettes" is disclaimed apart from the mark shown.
For Cigarettes.
Claims use since Mar. 4, 1935.

Ser. No. 362,424. KENT TOBACCO COMPANY, INC., New York, N. Y. Filed Mar. 12, 1935.

MEADOWBROOK HUNT
CIGARETTES

The word "Cigarettes" is disclaimed apart from the mark shown.
For Cigarettes.
Claims use since Mar. 4, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 357,825. CLARENCE M. LUTES, Kalamazoo, Mich. Filed Nov. 2, 1934.

THE KOZY COACH

Applicant disclaims the words "The" [illegible] "Coach" apart from the mark shown.
For Trailers.
Claims use since August, 1933.

Ser. No. 360,264. R. T. BAUMBERGER, doing business as Travel-Ome Trailer Company, Los Angeles, Calif. Filed Jan. 14, 1935.

TRAVEL-OME
MFD. BY
TRAVEL-OME TRAILER CO.
R.T.BAUMBERGER
2106 S. FIGUEROA -- LOS ANGELES

The outline of the plate and the notations "Mfgd. By—2106 S. Figueroa—Los Angeles" are disclaimed apart from the mark.
For Vehicles used as Trailers for Motor Vehicles.
Claims use since July, 1931.

Ser. No. 360,822. CLEMENT TALBOT LIMITED, London, England. Filed Jan. 29, 1935.

TALBOT
LONDON

No claim is made to the name "London" apart from the mark as shown.
For Automobiles.
Claims use since Apr. 16, 1908.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 354,323. THE SILEX COMPANY, Hartford, Conn. Filed July 25, 1934.

Rolsteak

For Electric Broilers, Electric Grilles, Electric Ranges, Electric Stoves, Electric Hot Plates, and Parts Thereof.
Claims use since July 19, 1934.

Ser. No. 362,013. CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Filed Mar. 1, 1935.

FLATOHM

For Variable Resistance Devices Used as Volume Controls for Radio Receiving Sets.
Claims use since Feb. 15, 1935.

Ser. No. 362,350. THE GAMEWELL COMPANY, Newton, Mass. Filed Mar. 11, 1935.

F I P

For Electric Storage Batteries and Parts Thereof.
Claims use since Dec. 14, 1934.

Ser. No. 362,898. GIBRALTAR ELECTRIC CLOCK CO., INC., Jersey City, N. J. Filed Mar. 23, 1935.

JG

For Electric Sockets.
Claims use since July 1, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 360,070. HERBERT E. JACKMAN, Rochester, N. Y. Filed Jan. 9, 1935.

KIM

For Table Board Game Played with Pieces.
Claims use since Dec. 15, 1934.

Ser. No. 362,823. HILLERICH & BRADSBY COMPANY, Louisville, Ky. Filed Mar. 21, 1935.

LOUISVILLE
POWER BILT

For Golf Clubs.
Claims use since Feb. 6, 1935.

Ser. No. 363,240. A. G. SPALDING & BROS., New York, N. Y. Filed Mar. 30, 1935.

ANZAC

For Tennis Rackets.
Claims use since Mar. 11, 1935.

Ser. No. 363,317. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Apr. 2, 1935.

SCAMPER

For Artificial Fish Bait.
Claims use since Mar. 25, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 354,727. HOOF PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 7, 1934.

C.B.H.

For Carburetors and Governors for Internal Combustion Engines.
Claims use since Nov. 24, 1933.

Ser. No. 359,065. GERALD M. ROBBINS, doing business as Tower Blade Company, Minneapolis, Minn. Filed Dec. 7, 1934.

TOWER

For Razor Blades.
Claims use since June 20, 1933.

Ser. No. 359,552. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Dec. 21, 1934.

IMPERIAL

For Rotaries (Machines for Rotating Drill Pipe and Bit in the Process of Drilling), Mud Hog Pumps, Stuffing Boxes, and Swivels.
Claims use since Apr. 20, 1921, on rotaries; since Dec. 5, 1925, on mud hog pumps; since Apr. 6, 1926, on stuffing boxes; since 1920, on swivels.

Ser. No. 360,065. CARBONAIRE BEVERAGE DISPENSER CO. INC., New York, N. Y. Filed Jan. 9, 1935.

CARBONAIRE

For Apparatus for Furnishing Through a Conduit to Cooling Beverage-Containers and the Like the Cold Vapor from Dry Ice the Temperature and Pressure of which Vapor is Controlled by Suitable Valves and Gauges attached to the Conduit and to the Container of the Apparatus in which the Dry Ice is placed for Vaporizing.
Claims use since Aug. 15, 1934.

Ser. No. 361,750. ISAACSON IRON WORKS, Seattle, Wash. Filed Feb. 28, 1935.

RIP-ROOTER

For Ground Breaking Machine.
Claims use since September, 1930.

Ser. No. 362,815. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 21, 1935.

Firestone

For Hose Cutting Knives, Tire Builders' Knives, Tire Repair Knives, and Separate Blades Therefor; Vibration Insulating Mountings for Machinery; Tire Repair and Changing Tools; Vulcanizing Apparatus—Namely, Inner Tube Vulcanizing Plates, Inside Curing Arms, Tire Tread Repair Molds, Spot Patches, and Sectional Airbags; and Machine Tools and Dies for Cutting Metal and/or Rubber.
Claims use since Apr. 20, 1931, on tire repair and changing tools; since July 1, 1924, on Vulcanizing apparatus; since Oct. 19, 1925, on remainder of goods.

Ser. No. 362,927. SAFETY MINING COMPANY, Chicago, Ill. Filed Mar. 23, 1935.

CARDOX

For Charging Plants for Filling Non-Destructible Cartridges Used for Blasting Purposes, and Parts Thereof Including Charging Clamps for Connecting Cartridges to the Charging Plants.
Claims use since Nov. 19, 1927.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 359,036. HOME CINE-CAMERAS LIMITED, London, England. Filed Dec. 7, 1934.

CAMPRO

For Kinematograph Apparatus and Parts Therefor and Kinematograph Films.
Claims use since Oct. 23, 1934.

Ser. No. 360,120. SENDLINGER OPTISCHE GLASWERKE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin-Zehlendorf, Germany. Filed Jan. 9, 1935.

Visolett

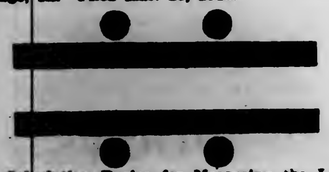
For Magnifying Glasses and Reading Glasses.
Claims use since Apr. 5, 1933.

Ser. No. [illegible]. HAARDT & Co. AKTIENGESELLSCHAFT, Düsseldorf, Germany. Filed Jan. 15, 1935.

Dielkometer

For Measuring Apparatus, Using High Tension Electric Currents, for Determining the Dielectric Constant of Flour, Tobacco, Coal, Paper, and Other Solid Substances.
Claims use since Feb. 14, 1934.

Ser. No. [illegible]. THE ROBERT BRITIGAN CORPORATION, Chicago, Ill. Filed Mar. 23, 1935.



For Calculating Device for Measuring the Length of Goods or the Number of Articles by Weight.
Claims use since Mar. 14, 1935.

CLASS 28

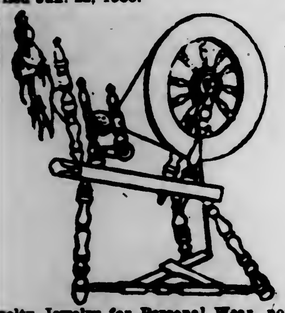
Jewelry and Precious-Metal Ware

Ser. No. [illegible]. HOPKINS & CARLISH INC., New York, N. Y. Filed Dec. 17, 1934.

H&C INC.

For Jewelry for Personal Wear not including Watches.
Claims use since Mar. 1, 1934.

Ser. No. [illegible]. JAMES MCCUTCHEON & CO., New York, N. Y. Filed Jan. 22, 1935.



For Novelty Jewelry for Personal Wear, not including Watches, Vases made of Precious Metal, and Buckles made of or Plated with Precious Metal.
Claims use since May 1, 1866.

Ser. No. [illegible]. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Mar. 22, 1935.

LaPierre

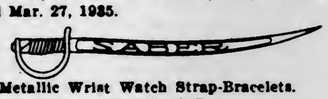
For Sterling Silver and Silver-Plated Articles of Hollow-Ware and Toilet-Ware.
Claims use since Aug. 1, 1934.

Ser. No. 362,925. ABRAHAM SAGER, doing business as Paramount Wedding Ring Company, Chicago, Ill. Filed Mar. 23, 1935.

KAPREE

For Finger Rings and Wedding Rings.
Claims use since Feb. 18, 1935.

Ser. No. 363,036. BRUNER-RITTER, INC., New York, N. Y. Filed Mar. 27, 1935.



For Metallic Wrist Watch Strap-Bracelets.
Claims use since Mar. 12, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 362,936. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Mar. 25, 1935.

ESQUIRE

For Shaving Brushes.
Claims use since Mar. 7, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 361,415. H. GOODMAN INC., Cleveland, Ohio. Filed Feb. 15, 1935.

White Dove

For Mattresses.
Claims use since Feb. 11, 1935.

CLASS 36

Musical Instruments and Supplies

Ser. No. 362,983. THE WOODWIND COMPANY, New York, N. Y. Filed Mar. 25, 1935.

Sparkle··aire

For Mouthpieces for Musical Instruments.
Claims use since Mar. 18, 1935.

CLASS 37

Paper and Stationery

Ser. No. 354,052. HORDER'S INCORPORATED, Chicago, Ill. Filed Aug. 4, 1934.



MARQUETTE

For Lead Pencils and Leads.
Claims use since Jan. 3, 1932.

CLASS 38

Prints and Publications

Ser. No. 354,378. LLOYD & ELLIOTT, INC., New York, N. Y., assignor to Deward & Rich, Inc., New York, N. Y., a corporation of New York. Filed July 27, 1934.



For Advertising Circulars Sold to the Trade as Such.
Claims use since 1924.

Ser. No. 354,689. JOSEPH F. MONTAGUE, New York, N. Y. Filed Aug. 6, 1934.

Fables in Health

For Column of a Newspaper or Magazine and for Booklets Published from Time to Time.
Claims use since Feb. 18, 1934.

Ser. No. 354,691. JOSEPH F. MONTAGUE, New York, N. Y. Filed Aug. 6, 1934.

Good Healthkeeping

For Column of a Newspaper or Magazine and for Booklets Published From Time to Time.
Claims use since Mar. 28, 1934.

Ser. No. 360,046. WILLIAM SCHULHOF, New York, N. Y. Filed Jan. 8, 1935.

Office Economics

For Periodical Publications.
Claims use since Dec. 12, 1934.

Ser. No. 360,095. THE HAIRE PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 10, 1935.

HOUSE FURNISHING SOURCES

For Section of a Periodical Publication.
Claims use since Jan. 1, 1935.

Ser. No. 362,188. JOHN F. RIDER, New York, N. Y. Filed Mar. 6, 1935.

Successful SERVICING

For Publications Published Each Month.
Claims use since September, 1934.

CLASS 39

Clothing

Ser. No. 354,891. CARAFIOL-SILVERMAN COMPANY, St. Louis, Mo. Filed Aug. 11, 1934.

Turnabout

For Wearing Apparel—Namely, Street and Formal-Wear Dresses for Women and Girls.
Claims use since May 1, 1933.

Ser. No. 355,365. MARINETTE KNITTING MILLS, Marinette, Wis. Filed Aug. 23, 1934.



The word "Knits" is disclaimed apart from the mark.
For Wearing Apparel—Namely, Ladies' Dresses, Suits and Frocks.
Claims use since Aug. 1, 1934.

Ser. No. 359,576. DOROTHEA DOCTORS, INC., New York, N. Y. Filed Dec. 22, 1934.

Dorothea Doctors

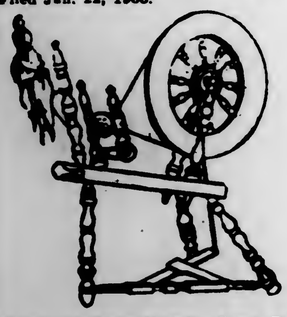
Trade-mark is a facsimile signature of Dorothea Doctors.
For Ladies' Undergarments—Namely, Corsets, Girdles, Corselets, and Brassières.
Claims use since January, 1929.

Ser. No. 360,271. GREENHILL & DANIEL, INC., Brooklyn, N. Y. Filed Jan. 15, 1935.

Nautical Togs

No claim is made to the words "Nautical togs" apart from the mark. The drawing is lined for green.
For Knitted Bathing Suits, Knitted Sweaters, and Knitted Dresses and Skirts for Women, Misses, and Children; Brassières, Corsets, Girdles, and Hosiery.
Claims use since Dec. 10, 1934.

Ser. No. 360,571. JAMES MCCUTCHEON & CO., New York, N. Y. Filed Jan. 22, 1935.



For Women's Clothing—Namely, Sport Dresses, Day Dresses, Suits, Evening Dresses, Underwear, Nightgowns, Pajamas, Hosiery, Blouses, Skirts, Sweaters, Vestees, Corsets, Coselettes, Brassières, Bandeaux, Garter Belts, Sports Girdles, Negligees, Bathrobes, Bed-Sacques, Scarfs, Ties, Jabots, Collar and Cuff Sets, Gloves Made of Leather, Fabric, and Combinations of These Materials, Smocks, Coats, Hats, Garters, Bedroom Slippers, Automobile Foot Muffs, Bathing Suits, Beach Robes and Beach Costumes, Bathing Caps; Maids' Uniforms, Aprons and Caps; Children's and Infants' Wear—Namely, Caps, Hats, Dresses, Suits, Coats, Wrappers, Underwear, Pants, Stockings, Sweaters, Bibs, Sacques and Scarfs; Men's Clothing—Namely, Ties, Gloves Made of Leather, Fabric, and Combinations of These Materials, Scarfs, Pajamas, Underwear, Robes, Smoking Jackets and Golf Trousers.

Claims use since May 1, 1866.

Ser. No. 360,889. H. LOEB & CO., INC., New York, N. Y. Filed Jan. 31, 1935.



Applicant is the owner of T. M. Reg. Nos. 189,298 and 302,176 for the word "Stuttgarter".

For Men's Women's, and Children's Underwear Made of Netted, Knitted, and/or Textile Fabrics, Bathing Suits, Sport Coats, Sweater Suits and Coats, Vests for Under and Outer Wear, Jackets, Petticoats, Nightshirts, Nightgowns, Pajamas, Abdominal Bands, Knee Warmers, Gymnasium Shirts, Trunks, Garters, Polo Shirts, Suspenders, Belts in the Nature of Garment Supporters, Armbands, and Hosiery.

Claims use since Oct. 30, 1930.

Ser. No. 361,103. MAYER & LOWENSTEIN, INC., San Francisco, Calif. Filed Feb. 6, 1935.

Jac-koat

No claim is made to the word "Koat" apart from the mark as shown.

For Men's, Women's, and Children's Coats, Jackets, Vests, and Trousers.

Claims use since Jan. 18, 1935.

Ser. No. 361,111. FRED OSTERMANN CO., Milwaukee, Wis. Filed Feb. 6, 1935.



The word "Mittens" is disclaimed apart from the mark.

For Gloves, Particularly Leather Mittens.

Claims use since Jan. 1, 1935.

Ser. No. 361,211. NANNETTE MANUFACTURING CO., Philadelphia, Pa. Filed Feb. 9, 1935.

DRESS-ALONE

The word "Dress" is disclaimed apart from the mark as shown.

For Children's Dresses, Boys' Suits, Play-Togs, and Children's Beach Wear Including Sun Suits and Play Suits.

Claims use since July 25, 1934.

Ser. No. 361,337. SPORTOGS, INC., New York, N. Y. Filed Feb. 12, 1935.

THE "CONTINENTAL"

For Women's, Misses', and Children's Outer Skirts.

Claims use since Feb. 2, 1935.

Ser. No. 361,798. CHEVETTE, INC., New York, N. Y. Filed Feb. 25, 1935.

Chev-rap

The word "Rap" is disclaimed apart from the mark.

For Ladies' Silk Underwear.

Claims use since Oct. 16, 1934.

Ser. No. 361,892. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y. Filed Feb. 27, 1935.

Fleur de Jour

For Corsets.

Claims use since Feb. 6, 1935.

Ser. No. 361,903. E. P. REED & CO., Rochester, N. Y. Filed Feb. 28, 1935.

HILL BILLY

For Shoes Made of Leather, or Fabric, or of Combinations of Leather and Fabric.

Claims use since Feb. 18, 1935.

Ser. No. 362,036. MILO UNDERGARMENT CO., New York, N. Y. Filed Mar. 1, 1935.

Milco

For Ladies' Slips, Nightgowns, Pajamas, Panties, Chemises, and Dance-Sets.

Claims use since Feb. 11, 1935.

Ser. No. 362,088. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 2, 1935.



No claim is made to the word "Felt" apart from the mark shown.

For Hats for Men and Women.

Claims use since Jan. 5, 1935.

Ser. No. 362,103. DOROTHY BICKUM, New York, N. Y. Filed Mar. 4, 1935.

Girl of to-day

For Corsets, Corselets, Brassieres, Panties, Bandeaux, Garter Belts, Girdles, Underdrawers, Envelope Chemises, Vests, Bloomers, Slips, and Petticoats.

Claims use since Nov. 27, 1934.

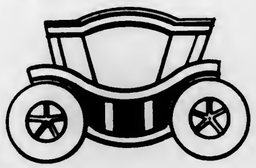
Ser. No. 362,239. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 7, 1935.

Strathmore

For Men's and Young Men's Suits, Overcoats, and Trousers.

Claims use since Jan. 23, 1935.

Ser. No. 362,978. STERN, MERRITT CO. INC., New York, N. Y. Filed Mar. 25, 1935.



For Necktles.

Claims use since Mar. 1, 1933.

Ser. No. 363,110. MAY HOSIERY MILLS, INC., Burlington, N. C. Filed Mar. 28, 1935.

Cameo

For Hosiery.

Claims use since Dec. 5, 1922.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 359,077. BOTANY WORSTED MILLS, Passaic, N. J. Filed Dec. 8, 1934.



No claim is made to the word "Cloth" apart from the mark.

For Woolen and Worsted Piece Goods.

Claims use since Nov. 30, 1934.

Ser. No. 359,533. KOENINGSBERG BROTHERS, doing business as Belle Knitting Mills, New York, N. Y. Filed Dec. 8, 1934.

Shunrun

For Piece Goods Made Wholly or Partially of Cellulosic Derivatives.

Claims use since October, 1934.

Ser. No. 360,736. STROWG HEWAT & CO., INC., New York, N. Y. Filed Jan. 26, 1935.



No claim is made to the word "Tweeds" apart from the mark as shown.
For Woolen Piece Goods.
Claims use since Dec. 3, 1934.

Ser. No. 360,737. STROWG HEWAT & CO., INC., New York, N. Y. Filed Jan. 26, 1935.



No claim is made to the representation of a bolt of cloth apart from the mark as shown.
For Woolen Piece Goods.
Claims use since Dec. 3, 1934.

Ser. No. 360,738. STROWG HEWAT & CO., INC., New York, N. Y. Filed Jan. 26, 1935.



No claim is made to the word "Tweeds" apart from the mark as shown.
For Woolen Piece Goods.
Claims use since Dec. 3, 1934.

Ser. No. 361,657. GOLDBLATT BROS., INC., Chicago, Ill. Filed Feb. 20, 1935.



For Bed Sheets and Pillow Cases.
Claims use since Jan. 3, 1935.

CLASS 43

Thread and Yarn

Ser. No. 362,108. FITCHBURG YARN COMPANY, Fitchburg, Mass. Filed Mar. 4, 1935.

WOOLSASE

For Yarns.
Claims use since May, 1933.

Ser. No. 362,225. J. H. R. GRANT, New York, N. Y. Filed Mar. 7, 1935.





For Tinsel Threads.
Claims use since Feb. 8, 1935.

Ser. No. 362,347. CARON SPINNING COMPANY, Rochelle, Ill. Filed Mar. 11, 1935.

Marietta

For Yarn.
Claims use since Feb. 22, 1935.

Ser. No. 362,579. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Mar. 15, 1935.



ACORN

No claim is made to the words other than "Acorn" apart from the mark as shown.
For Woolen, Worsted, Rayon, and Mohair Yarns, and/or Combinations Thereof.
Claims use since September, 1916.

Ser. No. 362,582. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Mar. 15, 1935.



No claim is made to the word "Yarns" apart from the mark as shown.
For Woolen, Worsted, Rayon, and Mohair Yarns, and/or Combinations Thereof.
Claims use since 1915.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 355,476. HILDING L. JACOBSON, doing business as Jacobson Smelting & Refining Co., Omaha, Nebr. Filed Aug. 27, 1934.

"JaKo"

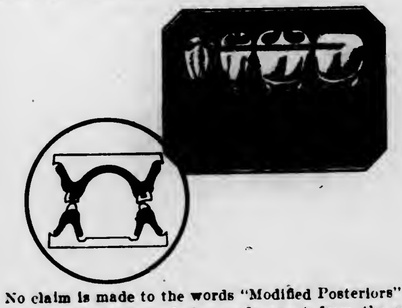
For Dental Golds, Dental Casting, Inlay Gold, Dental Platinum, Dental Plates, Dental and Jewelers Solders.
Claims use since October, 1933.

Ser. No. 355,663. D E G E A AKTIENGESELLSCHAFT (AUERGESELLSCHAFT), Berlin, Germany. Filed Sept. 1, 1934.

Neophan

For Gas Masks, Respirators, Dental Appliances for the Examination of the Gums, Mucous Membrane of the Mouth, and Natural and Artificial Teeth, Medical Appliances for Externally Examining Parts of Human and Animal Bodies, as Exemplified by the Skin, Mouth Cavities, and the Eyes, and Surgical Appliances for Interior Examination, for Surgical Purposes, of Parts of Human and Animal Bodies, as Exemplified by the Larynx, the Stomach, and the Intestines.
Claims use since Apr. 9, 1932.

Ser. No. 356,323. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa. Filed Sept. 22, 1934.



No claim is made to the words "Modified Posteriors" nor to the representation of the goods apart from the mark shown.
For Artificial Teeth.
Claims use since Feb. 15, 1934.

Ser. No. 361,528. LYMANS LIMITED, Montreal, Quebec, Canada. Filed Feb. 18, 1935.

KNABOB BRAND

The word "Brand" is disclaimed apart from the mark as shown.
For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Oct. 2, 1931.

Ser. No. 362,474. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 13, 1935.

SANI-SCANT

For Sanitary Bloomers and Step-Ins.
Claims use since Mar. 8, 1935.

Ser. No. 362,660. FRANK R. BELFRAGE, doing business as LaMarge Products Company, Kansas City, Mo. Filed Mar. 18, 1935.

La Marge

For Syringes and Rubber Water Bags.
Claims use since JAN. 1, 1931.

Ser. No. 362,674. DETROIT DENTAL MANUFACTURING CO., Detroit, Mich. Filed Mar. 18, 1935.

KORECTA

For Dental Waxes.
Claims use since June, 1933.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 360,216. CLYDE COLLINS CHEMICAL CO., INC., doing business as Oh-Boy Beverage Company, Memphis, Tenn. Filed Jan. 14, 1935.

Oh-Boy

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since July 1, 1929.

Ser. No. 362,059. KING KOLA MFG. CO., Granite City, Ill. Filed Feb. 28, 1935.

KING KOLA

No claim is made to the word "Kola" apart from the other features of the mark.
For Nonalcoholic Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.
Claims use since July 20, 1934.

Ser. No. 362,135. BULMERCO, INC., New York, N. Y. Filed Mar. 5, 1935.

Lord Hereford

For Cider.
Claims use since Feb. 28, 1935.

Ser. No. 362,673. COOL MAID CANDY COMPANY, Salt Lake City, Utah. Filed Mar. 18, 1935.

COOL MAID
FRUTOLA

For Nonalcoholic Maltless Powder for Making Soft Drinks.
Claims use since Aug. 3, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 348,201. ERNEST FLOYD SHIELDS, Indio, Calif. Filed Mar. 5, 1934.



Date Crystals

The words "Date Crystals" are disclaimed apart from the mark as shown.
For Shredded Dates That Have Been Ripened, Dried and Hardened Naturally on the Palm Trees, After Which They are Shredded and made ready for use as a Food.
Claims use since Mar. 1, 1933.

Ser. No. 353,086. VITAMIN FOOD CO. INC., New York, N. Y. Filed June 23, 1934.

SAVORY VITAMIN "B" YEAST VITAMIN "G"

Applicant disclaims the words "Savory", "Yeast", "Vitamin 'B'" and "Vitamin 'G'" apart from the mark shown.
For Food Compound Consisting in Part of Yeast Extract Rich in Vitamins B and G in Liquid, Paste, and Granule Form, and Used as an Ingredient of Infants' Foods, Bouillon, and Flavoring, and also in Form to be taken Directly to Supply Diet Deficiences.
Claims use since Mar. 1, 1934.

Ser. No. 354,486. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed July 31, 1934.

OLD MILL

For Canned Fruits, Canned Vegetables.
Claims use since June 22, 1915.

Ser. No. 356,501. THE GOUDEY GUM CO., Boston, Mass. Filed Sept. 27, 1934.

BIG BUBBLE

For Chewing Gum.
Claims use since Aug. 31, 1934.

Ser. No. 356,734. R. L. MILES, doing business as J. H. Miles & Company, Norfolk, Va. Filed Oct. 3, 1934.

SEA-KIST



For Fresh Shucked Raw Oysters.
Claims use since Aug. 23, 1934.

Ser. No. 358,684. ELMER C. OEHLER, Lodi, Calif. Filed Nov. 27, 1934.

PORT STOCKTON

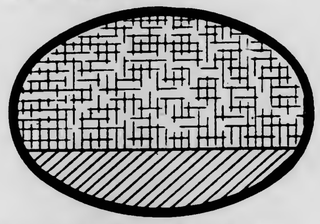
For Fresh Grapes, Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since Nov. 10, 1934.

Ser. No. 358,902. S. HOLST-KNUDSEN, New York, N. Y. Filed Dec. 5, 1934.



No claim is made to the words "Danish Blue Cheese" aside from the mark as shown.
For Cheese.
Claims use since August, 1934.

Ser. No. 360,273. GRISTEDE BROS. INC., New York, N. Y. Filed Jan. 15, 1935.



The drawing is lined for yellow and brown.
For Tomato Juice Cocktail, Chili Sauce, Ketchup.
Claims use since Dec. 15, 1931.

Ser. No. 361,090. A. GERMANO & SONS, New York, N. Y. Filed Feb. 6, 1935.

Susetta

For Canned Fruits, Fish, and Vegetables, including Olive Oil and Mixtures of Olive Oil with Other Vegetable Oils.
Claims use since January, 1932.

Ser. No. 361,569. DAY & YOUNG, Santa Clara, Calif. Filed Feb. 19, 1935.

STREAMLINE

For Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since May 4, 1934.

Ser. No. 361,732. GENERAL MILK COMPANY, INC., New York, N. Y. Filed Feb. 23, 1935.

PRIZE



No claim is made to the word "Prize" apart from the mark as shown.
For Full Cream Sweetened Condensed Milk.
Claims use since Dec. 1, 1934.

Ser. No. 361,740. THE GRAND UNION COMPANY, New York, N. Y. Filed Feb. 23, 1935.

MORNING
LUXURY

For Coffee.
Claims use since Apr. 1, 1931.

Ser. No. 362,039. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Mar. 1, 1935.

Let's Dance

For Bakery Products—Namely, Biscuit.
Claims use since Dec. 1, 1934.

Ser. No. 362,057. THE UNIVERSAL MILK COMPANY, New York, N. Y. Filed Mar. 1, 1935.

SUN BRAND
QUALITY FIRST
EVAPORATED Milk

The words "Brand", "Quality First", and "Evaporated Milk" are disclaimed apart from the mark shown.
For Evaporated Milk.
Claims use since October, 1933.

Ser. No. 362,165. BURRY BISCUIT CORPORATION, Chicago, Ill. Filed Mar. 6, 1935.

Crazy Face

For Cookies.
Claims use since Mar. 4, 1935.

Ser. No. 362,206. ALTO PRODUCTS COMPANY, Philadelphia, Pa. Filed Mar. 7, 1935.

Apco

For Coffee, Salt, Olives, Canned Corn, Canned Peas, Canned Peaches, Canned Tomatoes, Olive Oil, and Canned Pork and Beans.
Claims use since 1932.

Ser. No. 362,698. MCMILLAN BROS., LaConner, Wash. Filed Mar. 18, 1935.

SUNNYMOOR

For Canned Peas.
Claims use since Dec. 30, 1933.

Ser. No. 362,772. CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed Mar. 20, 1935.

EPICARPOD

For Coffee.
Claims use since Mar. 7, 1935.

Ser. No. 362,068. MAX BANGER, doing business as Pride of the Family Products Co., New York, N. Y. Filed Mar. 28, 1935.

PRIDE OF THE FAMILY

For Foods—Namely, Catsup.
Claims use since 1900.

Ser. No. 363,156. CONSOLIDATED PACKING COMPANY, San Francisco, Calif. Filed Mar. 29, 1935.

NORTHERN PRIDE

For Dried Fruits.
Claims use since Jan. 1, 1935.

Ser. No. 363,176. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 29, 1935.

Revel

For Frozen Confections, Ice Creams, Spumoni, Custards, Sherbets, and/or Water-Ices.
Claims use since Jan. 19, 1934.

Ser. No. 363,228. THE NULOMOLINE COMPANY, New York, N. Y. Filed Mar. 30, 1935.

PREP-CO

For Macerated Cocoanut in Puree Form for Use in Food Stuffs and Otherwise.
Claims use since Mar. 12, 1935.

Ser. No. 363,236. SOUTH KAUKAUNA DAIRY COMPANY, Kaukauna, Wis. Filed Mar. 30, 1935.

KAUKAUNA KLUB

For Cheese Sandwich Spread.
Claims use since Jan. 5, 1934.

CLASS 47

Wines

Ser. No. 347,318. PIAT ET CIE, LTD., doing business as Martinet, Piat et Cie, Macon, France. Filed Feb. 17, 1934.

vin des monts

No claim is made to the word "Vin" apart from the mark.
For Wines.
Claims use since Nov. 14, 1911.

CLASS 48

Malt Beverages and Liquors

Ser. No. 354,659. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed Aug. 4, 1934.



No claim is made to the words "Wursburger Style Beer", "Brewed & Bottled By" and "Detroit, Mich." apart from the mark as shown.
For Malt Beverages with Not More Than the Legal Alcoholic Content and Liquid Malt for Making Such Beverages.
Claims use since March, 1889.

Ser. No. 363,214. FORT PITT BREWING COMPANY, INC., Sharpsburg, Pa. Filed Mar. 30, 1935.

Fort Pitt
Pilsener

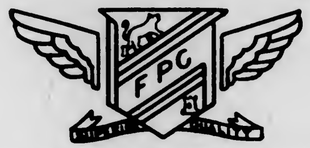
No claim is made to the word "Pilsener" apart from the mark as shown.
For Beer.
Claims use since 1922.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 360,824. JACOB ENGLANDER, doing business as Federal Products Co., East Orange, N. J. Filed Jan. 29, 1935.

ENZO



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 15, 1934.

Ser. No. 360,856. PACIFIC BEVERAGE DISTRIBUTORS, LTD., Los Angeles, Calif. Filed Jan. 30, 1935.

SUTTER'S MILL

For Whiskey.
Claims use since Sept. 26, 1934.

Ser. No. 360,876. BON-TON, INCORPORATED, Chicago, Ill. Filed Jan. 31, 1935.

SMOOTHEST

Applicant makes no claim to the word "Smoothest" apart from the mark as shown.
For Distilled Liquors, viz., Whiskey.
Claims use since Jan. 5, 1935.

Ser. No. 360,988. CENTURY DISTILLING CO., Peoria, Ill. Filed Feb. 4, 1935.

Pride of A Century

For Whiskey.
Claims use since Jan. 29, 1935.

Ser. No. 361,163. CENTURY DISTILLING CO., Peoria, Ill. Filed Feb. 8, 1935.

Centurion

For Whiskey.
Claims use since Jan. 29, 1935.

Ser. No. 361,780. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Filed Feb. 28, 1935.

Old Riverdale



For Whiskey.
Claims use since Nov. 7, 1934.

Ser. No. 361,879. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Feb. 27, 1935.

HARBOR

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 21, 1935.

Ser. No. 361,894. MARYLAND DISTILLERY, INC., Relay, Md. Filed Feb. 27, 1935.

CALVERT AMBER BOTTLE

Applicant disclaims the term "Amber Bottle" except in the combination shown. Applicant is the owner of Trade-Mark Registration No. 317,871 for the word "Calvert."
For Whiskey.
Claims use since Jan. 21, 1935.

Ser. No. 361,895. MARYLAND DISTILLERY, INC., Relay, Md. Filed Feb. 27, 1935.

CALVERT WHITE BOTTLE

For Whiskey.
Claims use since Jan. 21, 1935.

Ser. No. 361,900. PACIFIC BEVERAGE DISTRIBUTORS, LTD., Los Angeles, Calif. Filed Feb. 27, 1935.

SUTTER'S

For Whiskey.
Claims use since Feb. 22, 1935.

Ser. No. 361,902. PARAMOUNT DISTRIBUTING CORP., Brooklyn, N. Y. Filed Feb. 27, 1935.

Sealected Five Horn

No claim is made to the word "Sealected" apart from the mark shown.
For Whiskey.
Claims use since Dec. 21, 1934.

Ser. No. 361,909. E. L. SPELLMAN CO., INC., New York, N. Y. Filed Feb. 27, 1935.

SONORA CLUB

No claim is made to the word "Club" apart from the mark shown.
For Whiskey.
Claims use since Dec. 17, 1934.

Ser. No. 361,953. CHARLES FAUSZ, Jr., doing business as Charles Fausz Jr. & Co., Newport, Ky. Filed Feb. 28, 1935.

BELLE of ORLEANS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 24, 1934.

Ser. No. 361,961. GREENSPAN BROS. COMPANY, Perth Amboy, N. J. Filed Feb. 28, 1935.

GREENDALE

For Brandy, Gin, and Whiskey.
Claims use since Jan. 2, 1935.

Ser. No. 361,963. J. H. HENKES' DISTILLEERDERY, N. V., doing business as J. H. Henkes' Distillery, Rotterdam, Netherlands. Filed Feb. 28, 1935. Under 10 year proviso.

Trade Mark
HONEY SUCKLE
J H
SCHIEDAM
CAUTION—All bottles containing our HONEY SUCKLE GIN will bear the above label and none is genuine without it.
Rectified and Bottled by
J. H. HENKES
ROTTERDAM
HOLLAND

For Gin.
Claims use since 1880.

Ser. No. 361,982. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Feb. 28, 1935.

Downing Street

For Gin, Whiskey, Brandy, Rum and Alcoholic Cordials.
Claims use since Apr. 19, 1934.

Ser. No. 361,983. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Feb. 28, 1935.

Old Collins

For Whiskey, Gin, Brandy and Rum.
Claims use since Oct. 25, 1933.

Ser. No. 362,008. BACON BOTTLING COMPANY, Hartford, Conn. Filed Mar. 1, 1935.

Lord Bacon



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 31, 1934.

Ser. No. 362,067. THE CALVERT DISTILLING COMPANY, Relay, Md. Filed Mar. 2, 1935.

TREVLAC

For Whiskey.
Claims use since Feb. 13, 1935.

Ser. No. 362,078. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



For Gin.
Claims use since January, 1934.

Ser. No. 362,079. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



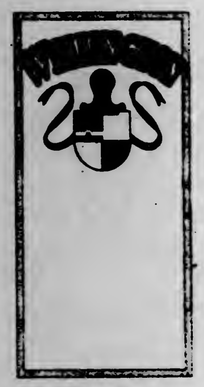
For Whiskey and Gin.
Claims use since January, 1934.

Ser. No. 362,060. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



For Gin.
Claims use since January, 1934.

Ser. No. 362,061. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



For Gin.
Claims use since January, 1934.

Ser. No. 362,062. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



For Whiskey.
Claims use since January, 1934.

Ser. No. 362,119. MAJESTIC DISTILLING COMPANY, Baltimore, Md. Filed Mar. 4, 1935.

BALTIMORE MAID

For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since May 17, 1934.

Ser. No. 362,172. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 6, 1935.

Robin Hood



For Gin.
Claims use since December, 1933.

Ser. No. 362,208. ASTURE TRADING COMPANY, INC., New York, N. Y. Filed Mar. 7, 1935.

NEPTUNO

For Gin, Whiskey and Brandy.
Claims use since Mar. 1, 1935.

Ser. No. 362,255. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 8, 1935.



The picture is that of Chester H. Graves the founder of Chester H. Graves & Sons, applicant's predecessor.
For Gin and Apricot Liqueur.
Claims use since December, 1933.

Ser. No. 362,292. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 9, 1935.

Bell Hop

For Whiskey.
Claims use since Feb. 20, 1935.

Ser. No. 362,293. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 9, 1935.

Dixie Dew

For Whiskey.
Claims use since Feb. 20, 1935.

Ser. No. 362,294. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 9, 1935.

PEGGY

For Whiskey.
Claims use since Feb. 20, 1935.

Ser. No. 362,325. REO DISTILLERS, INC., Newark, N. J. Filed Mar. 9, 1935.

Lucky Play

For Whiskey.
Claims use since Sept. 15, 1934.

Ser. No. 362,352. WEXMAR LIQUOR CO., INC., Chicago, Ill. Filed Mar. 9, 1935.

Golden Years

For Whiskey.
Claims use since Dec. 18, 1934.

Ser. No. 362,390. RUDOLPH WALDNER, INC., New York, N. Y. Filed Mar. 11, 1935.

Melton

For Dry Gin.
Claims use since Aug. 31, 1934.

Ser. No. 362,527. REO DISTILLERS, INC., Newark, N. J. Filed Mar. 14, 1935.

MANHATTAN MERRIE

For Gin.
Claims use since Nov. 14, 1934.

Ser. No. 362,528. REO DISTILLERS, INC., Newark, N. J. Filed Mar. 14, 1935.

KENTUCKY Manor

For Whiskey.
Claims use since July 20, 1934.

Ser. No. 362,542. JOHN A. WATHEN DISTILLERY CO., INC., Louisville, Ky. Filed Mar. 14, 1935.

PLAY-BOY

For Whiskey.
Claims use since Jan. 30, 1935.

Ser. No. 362,544. WERXMAR LIQUOR CO., INC., Chicago, Ill. Filed Mar. 14, 1935.



For Gin.
Claims use since Mar. 16, 1934.

Ser. No. 362,589. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

FIRST CITIZEN

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,590. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

ROMAN HOLIDAY

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,591. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

MILITARY

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,592. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

Old History

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,593. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

Princess Diana

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,594. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 15, 1935.

SEA KING

For Whiskies, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1934.

Ser. No. 362,666. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 18, 1935.

90 GRAND

For Whiskey.
Claims use since Feb. 22, 1935.

Ser. No. 362,667. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 18, 1935.

100 GRAND

For Whiskey.
Claims use since Feb. 22, 1935.

Ser. No. 362,668. CENTURY DISTILLING CO., Peoria, Ill. Filed Mar. 18, 1935.

PARKSIDE

For Whiskey.
Claims use since Feb. 25, 1935.

Ser. No. 362,696. MAJESTIC DISTILLING COMPANY, Baltimore, Md. Filed Mar. 18, 1935.

CROWN of BALTIMORE

For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since May 15, 1934.

Ser. No. 362,743. BARON LONG, doing business as Biltmore Hotel, Los Angeles, Calif. Filed Mar. 19, 1935.

JOHNNIE AGGIE

Applicant is the owner of registration No. 313,202.
For Whiskey.
Claims use since Dec. 10, 1933.

Ser. No. 362,744. A. LYON, Los Angeles, Calif. Filed Mar. 19, 1935.

DIAMOND JIM

For Whiskey.
Claims use since Mar. 1, 1935.

Ser. No. 362,745. A. LYON, Los Angeles, Calif. Filed Mar. 19, 1935.

DIAMOND LIL

For Whiskey.
Claims use since Mar. 1, 1935.

Ser. No. 362,792. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Mar. 20, 1935.

Redwood Blended Whiskey

The applicant disclaims the words "Blended Whiskey" apart from the mark shown.
For Whiskey.
Claims use since Mar. 17, 1934.

Ser. No. 362,803. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Mar. 21, 1935.

FRATERNITY HOUSE

For Whiskey, Gin, Brandy, Alcoholic Cordials and Liqueurs.
Claims use since Mar. 15, 1935.

Ser. No. 362,804. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Mar. 21, 1935.

FREESTONE

For Whiskey, Gin, Brandy, Alcoholic Cordials and Liqueurs.
Claims use since Mar. 14, 1935.

Ser. No. 362,868. FRANCESCO DRIOLI, Zara, Italy. Filed Mar. 22, 1935. Under 10-year proviso.

DRIOLI

ESTABLISHED 1826
MARASCHINO
CALCENIGA
Distilled and bottled BY
FRANCESCO DRIOLI
· ZARA ·
PRODUCE OF ITALY

For Cordials.
Claims use since Feb. 14, 1826.

Ser. No. 362,869. FRANCESCO DRIOLI, Zara, Italy. Filed Mar. 22, 1935. Under 10-year proviso.

DRIOLI

ESTABLISHED 1826
Maraschino
Distilled and bottled BY
FRANCESCO DRIOLI
ZARA
Produce of Italy

For Cordials.
Claims use since Feb. 14, 1826.

Ser. No. 362,880. OLD RELIABLE DISTRIBUTORS, INC., New Orleans, La. Filed Mar. 22, 1935.

SUGAR BOWL

For Gin, Brandy and Whiskey.
Claims use since Jan. 20, 1935.

Ser. No. 363,009. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Mar. 26, 1935. Under 10-year proviso.



For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1890.

Ser. No. 363,010. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Mar. 26, 1935. Under 10-year proviso.



For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1890.

Ser. No. 363,011. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Mar. 26, 1935. Under 10-year proviso.



For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1890.

Ser. No. 363,012. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Mar. 26, 1935. Under 10-year proviso.



For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1890.

Ser. No. 363,018. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Mar. 26, 1935.



No claim is made to the word "Gin" apart from the mark shown.
For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Mar. 1, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 356,752. AMERICAN MEMORIAL COMPANY, Atlanta, Ga. Filed Oct. 4, 1934.

PERMASTONE

For Tombstones and Monuments.
Claims use since July 1, 1933.

Ser. No. 361,979. ANDREW MCLEAN COMPANY, Passaic, N. J., and New York, N. Y. Filed Feb. 28, 1935.

Andrulean

For Paper and Textile Goods in the Piece, Coated with a Resinous Base Plastic Composition.
Claims use since Aug. 27, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 7, 1935

323,835. WHISKEY, RUM, MANHATTAN COCKTAIL, CREME DE MENTHE, GIN, AND APRICOT BRANDY. HEPBURN & MCTAVISH LTD., INC., Los Angeles, Calif.
Filed December 19, 1934. Serial No. 359,467. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,836. PIECE GOODS MADE OF COTTON, WOOL, RAYON, SILK, ARTIFICIAL SILK, ARTIFICIAL FIBERS, AND COMBINATIONS OF THE SAME. FARR ALPACA COMPANY, Holyoke, Mass.
Filed December 19, 1934. Serial No. 359,462. PUBLISHED FEBRUARY 12, 1935. Class 42.

323,837. WHISKEY. MARYLAND DISTILLERS' PRODUCTS CORPORATION, Baltimore, Md.
Filed December 18, 1934. Serial No. 359,433. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,838. SHAMPOO, HAIR POMADE, HAIR GROWER, AND HAIR OIL. ARRIE FRANKLIN JEMISON, doing business as La Gale Co., and La Gale Manufacturing Co., Chicago, Ill.
Filed December 18, 1934. Serial No. 359,429. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,839. SOLUBLE OIL FOR IMPARTING LUSTER, STRENGTH, AND RESILIENCY TO TEXTILE FIBERS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed December 17, 1934. Serial No. 359,409. PUBLISHED FEBRUARY 19, 1935. Class 6.

323,840. MATE. PAN-AMERICAN LABORATORIES, INC., Washington, D. C.
Filed December 17, 1934. Serial No. 359,401. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,841. PREPARATION COMPRISING PROTEIN FOR INTERNAL ADMINISTRATION AND BEING A PRODUCT FOR STIMULATING THE DEFENSIVE MECHANISM OF THE BODY FOR COMBATING INVADING DISEASES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed December 17, 1934. Serial No. 359,396. PUBLISHED FEBRUARY 19, 1935. Class 6.

323,842. METAL BURNER TOP PLATES FOR WEED BURNING APPARATUS. FAIRMONT RAILWAY MOTORS, INCORPORATED, Fairmont, Minn.
Filed December 15, 1934. Serial No. 359,353. PUBLISHED FEBRUARY 26, 1935. Class 34.

323,843. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. GENERAL DISTILLERIES CORP., Hartford, Conn.
Filed December 15, 1934. Serial No. 359,345. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,844. GIN, WHISKEY, AND BRANDY. LIQUOR DEALERS SUPPLY CO., Chicago, Ill.
Filed December 12, 1934. Serial No. 359,336. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,845. WHISKEY. J. SIMON & SONS, INC., St. Louis, Mo.
Filed December 14, 1934. Serial No. 359,322. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,846. WHISKEY. PARAMOUNT DISTRIBUTING CORPORATION, Brooklyn, N. Y.
Filed December 14, 1934. Serial No. 359,316. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,847. WHISKEY. LEROUX AND COMPANY, INC., Philadelphia, Pa.
Filed December 14, 1934. Serial No. 359,311. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,848. MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR RELIEVING HEADACHES, NEURALGIA, NEURITIS, TOOTHACHE, AND SIMILAR MUSCULAR ACHES. REMSEN CORPORATION, New York, N. Y.
Filed December 3, 1934. Serial No. 359,252. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,849. REFINED WHITE GRANULATED SUGARS. SOUTH COAST COMPANY, Wilmington, Del., and New Orleans, La.
Filed November 30, 1934. Serial No. 359,251. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,850. WATER EMULSION OF A SYNTHETIC RESIN FOR USE IN FORMING A PROTECTIVE FILM OR FOR USE AS A BONDING AGENT ON FABRICS. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed December 12, 1934. Serial No. 359,241. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,851. PLASTIC REFRACTORY MORTAR. QUIGLEY COMPANY, INC., New York, N. Y.
Filed December 12, 1934. Serial No. 359,239. PUBLISHED FEBRUARY 26, 1935. Class 12.

323,852. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH & COMPANY, Schenley, Pa.
Filed December 12, 1934. Serial No. 359,221. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,853. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CHARLES FAUSZ, Jr., doing business as Charles Fausz Jr. & Co., Newport, Ky.
Filed December 12, 1934. Serial No. 359,220. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,854. LARD, OLEO STEARINE, OLEO STEARINE OILS, AND ANIMAL SHORTENING ALL FOR FOOD PURPOSES, POULTRY AND STOCK FEEDS; GELATINE, ETC. CONSOLIDATED RENDERING COMPANY, Boston, Mass.
Filed December 12, 1934. Serial No. 359,213. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,855. MATTRESSES. TAYLOR BEDDING MFG. CO., Taylor, Tex.
Filed December 11, 1934. Serial No. 359,190. PUBLISHED FEBRUARY 26, 1935. Class 32.

323,856. LOTION FOR ATHLETE'S FOOT, MOST SKIN ERUPTIONS AND INFECTIONS, ITCHES, RASHES, IVY POISONING, HIVES, SCALP AND FACIAL INFECTIONS, RINGWORM, PIMPLES, BARBERS ITCH, ETC. H. M. SWARTLEY, Philadelphia, Pa.
Filed December 11, 1934. Serial No. 359,180. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,857. WOOLEN PIECE GOODS. LOUIS SHIPMAN & BAKER CO., New York, N. Y.
Filed December 11, 1934. Serial No. 359,186. PUBLISHED FEBRUARY 19, 1935. Class 42.

323,858. GONADOTROPIC SUBSTANCE DERIVED FROM PREGNANCY URINE CLOSELY RESEMBLING THE ANTERIOR PITUITARY GONAD-STIMULATING HORMONE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 11, 1934. Serial No. 359,181. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,859. INSECTICIDES. STANCO INCORPORATED, New York, N. Y.
Filed December 10, 1934. Serial No. 359,153. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,860. INSECTICIDE REPELLANTS. STANCO INCORPORATED, New York, N. Y.
Filed December 10, 1934. Serial No. 359,152. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,861. CHEMICAL LUMINOUS MATERIAL. RADIUM DIAL COMPANY, Pittsburgh, Pa.
Filed December 10, 1934. Serial No. 359,143. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,862. MATERIALS USED FOR REMOVING RUST AND SCALE FROM AQUEOUS-LIQUID-CONTAINING SYSTEMS SUCH AS AUTOMOBILE RADIATORS, HEATERS, AND THE LIKE, AND FOR PREVENTING CORROSION THEREOF. CHICAGO CHEMICAL COMPANY, Chicago, Ill.
Filed December 10, 1934. Serial No. 359,121. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,863. RUM. FELTON & SON, INCORPORATED, Boston and South Boston, Mass.
Filed December 8, 1934. Serial No. 359,084. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,864. FLANNEL PIECE GOODS. ALFRED DE LIAGRE, doing business as Clarence Worsted Company, Passaic, N. J.
Filed December 7, 1934. Serial No. 359,030. PUBLISHED FEBRUARY 5, 1935. Class 42.

323,865. LAUNDRY STARCH. FRANK FENZ, New York, N. Y.
Filed November 13, 1934. Serial No. 358,178. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,866. NATURAL YERBA MATE TEA, A BEVERAGE, NONALCOHOLIC, PREPARED LIKE ORDINARY TEA FOR NONALCOHOLIC BEVERAGE PURPOSES. GEORGE THORNALLY, doing business as The Taber Company, San Francisco, Calif.
Filed November 12, 1934. Serial No. 358,166. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,867. SKIN LOTIONS. ALBERT THIERER, New York, N. Y.
Filed November 6, 1934. Serial No. 357,965. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,868. PREPARATION FOR THE TREATMENT OF COMMON COLDS, FOR MUSCULAR SORENESS DUE TO COLDS AND EXPOSURE AND FOR CLOSELY ALLIED AILMENTS AND PAINS, SAID PRODUCT BEING FOR EXTERNAL USE. NORMAN EDWARDS, Brady, Nebr.
Filed November 6, 1934. Serial No. 357,946. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,869. PERFUMES AND FACE POWDER. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, New York, N. Y.
Filed November 2, 1934. Serial No. 357,817. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,870. GERMICIDE AND ANTISEPTIC PREPARATION USED FOR ATHLETE'S FOOT, ECZEMA, AND OTHER SKIN AILMENTS. K. & J. LABORATORIES, INC., Long Island City, N. Y.
Filed November 5, 1934. Serial No. 357,909. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,871. OINTMENT FOR EXTERNAL APPLICATION TO THE BODY FOR TREATMENT OF MUSCULAR PAINS AND ACHES, CUTS, BURNS, BRUISES, INSECT BITES, IRRITATIONS, AND THE LIKE. THE RO-MAR CHEMICAL CO. INC., Miami Beach, Fla.
Filed November 1, 1934. Serial No. 357,784. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,872. CELLULOSE SAUSAGE CASINGS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed October 31, 1934. Serial No. 357,748. PUBLISHED FEBRUARY 26, 1935. Class 2.

323,873. CELLULOSE SAUSAGE CASINGS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed October 31, 1934. Serial No. 357,747. PUBLISHED FEBRUARY 26, 1935. Class 2.

323,874. COAL. THE POWELL DUFFRYN STEAM COAL COMPANY, LTD., London, England.
Filed October 30, 1934. Serial No. 357,681. PUBLISHED FEBRUARY 26, 1935. Class 1.

323,875. ANTISEPTIC JELLY. CHARLES R. LE CONTE, doing business as The Russell Wallace Company, Philadelphia, Pa., assignor to The Birconjel Corporation, New York, N. Y., a corporation of New York.
Filed October 30, 1934. Serial No. 357,674. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,876. HIGHLY PURIFIED HEMICELLULOSE CONSISTING OF PENTOSANS, HEXOSANS, AND GALACTANS, TO AFFORD BULK AND LUBRICATION INDICATED IN CONSTIPATION. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed October 18, 1934. Serial No. 357,259. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,877. LIQUID MEDICINAL PREPARATION FOR EXTERNAL USE IN THE TREATMENT OF SKIN DISEASES AND THE LIKE. KLARIGON CO., Woodside, N. Y.
Filed December 22, 1934. Serial No. 359,585. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,878. VANISHING CREAM. POND'S EXTRACT COMPANY, New York, N. Y.
Filed December 20, 1934. Serial No. 359,522. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,879. COLD CREAM. POND'S EXTRACT COMPANY, New York, N. Y.
Filed December 20, 1934. Serial No. 359,521. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,880. BELTING FOR POWER TRANSMISSION MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. CONSOLIDATED SEWING MACHINE AND SUPPLY CO., INC., New York, N. Y.
Filed December 20, 1934. Serial No. 359,506. PUBLISHED FEBRUARY 26, 1935. Class 35.

323,881. SKIN FRESHENER AND TONIC, AND LIQUEFYING CREAM. POND'S EXTRACT COMPANY, New York, N. Y.
Filed December 20, 1934. Serial No. 359,520. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,882. NOSE AND THROAT SPRAY, LIQUID PREPARATION FOR THE TREATMENT OF THE RESPIRATORY TRACT, ETC. STANCO INCORPORATED, New York, N. Y.
Filed December 19, 1934. Serial No. 359,487. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,883. BRANDY. MOUNT TIVY WINERY, INC., Fresno, Calif.
Filed December 19, 1934. Serial No. 359,479. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,884. STIMULATING ANTISEPTIC MEDICINAL OINTMENT TO BE USED ON ALL INFECTIONS AND INFECTIOUS SKIN DISEASES, AND TO CLEANSE WOUNDS TO PREVENT INFECTION. JAMES W. BATES, doing business as Nox Chemical Company, Seattle, Wash.
Filed November 28, 1934. Serial No. 358,715. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,885. OIL BURNERS FOR ALL PURPOSES, OIL FUEL INSTALLATION PLANTS, ROTARY AND SEMI-ROTARY FURNACES, GAS AND OIL FIRED INDUSTRIAL FURNACES. WILLIAM FREDERICK WILTSHIRE, Birmingham, England.
Filed November 23, 1934. Serial No. 358,580. PUBLISHED FEBRUARY 26, 1935. Class 34.

323,886. PREPARATION TO BE APPLIED EXTERNALLY FOR THE TREATMENT OF PNEUMONIA, CHEST AND THROAT COLDS, HEAD COLDS, RHEUMATISM, SORE THROAT, CROUP, CUTS, BURNS, CHAPPED HANDS, AND SKIN DISEASES. RANSOM E. STALLINGS, Spartanburg, S. C.
Filed November 23, 1934. Serial No. 358,573. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,887. CHOCOLATE COATED LAXATIVE COLD TABLETS. KASSANTA J. AKLONIS, Elizabeth, N. J.
Filed November 28, 1934. Serial No. 358,542. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,888. WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. PROVINCIAL DISTILLERIES LTD. INC., Brooklyn, N. Y.
Filed November 17, 1934. Serial No. 358,333. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,889. MEDICINAL PREPARATION FOR THE TREATMENT OF DIARRHEA, INFANTILE CHOLERA, ENTERITIS, COLITIS, AND AMOEBIC DISEASES. LABORATOIRES DE L'AMIBIASINE, Paris, France.
Filed November 17, 1934. Serial No. 358,328. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,890. MEDICINAL PREPARATION USED IN THE TREATMENT OF DYSENTERY, ENTERITIS, DIARRHEA, AND AMOEBIC DISEASES. LABORATOIRES DE L'AMIBIASINE, Paris, France.
Filed November 17, 1934. Serial No. 358,327. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,891. MUSICAL STRING INSTRUMENTS CONSISTING OF GUITARS, VIOLINS, UKELELES, MANDOLINS, BANJOS, TENOR BANJOS, BANJO MANDOLINS, AND ACCESSORIES CONSISTING OF STEEL STRINGS, GUT STRINGS, BRIDGES FOR GUITARS, PICKS FOR GUITARS, BRIDGES FOR MANDOLINS, AND PICKS FOR MANDOLINS. TARG AND DINNER, INC., Chicago, Ill.
Filed November 16, 1934. Serial No. 358,300. PUBLISHED FEBRUARY 26, 1935. Class 26.

323,892. MUSICAL WIND INSTRUMENTS CONSISTING OF CLARINETS, BASS AND ALTO CLARINETS, OBOES, BASSOONS, FLUTES, PICCOLOS, ENGLISH HORNS, AND ACCESSORIES CONSISTING OF REEDS, MOUTH PIECES, LIGATURES, LYRES, AND PADS. TARG AND DINNER, INC., Chicago, Ill.
Filed November 16, 1934. Serial No. 358,302. PUBLISHED FEBRUARY 26, 1935. Class 26.

323,893. CANNED VEGETABLES AND FRUITS. BROCTON PRESERVING COMPANY, INC., doing business as Silver Creek Preserving Co., Brocton, N. Y.
Filed November 30, 1934. Serial No. 358,758. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,894. ROBES AND BLANKETS OF TEXTILE MATERIAL. EDGAR B. WALTERS ORGANIZATION INCORPORATED, New York, N. Y.
Filed August 22, 1934. Serial No. 355,341. PUBLISHED NOVEMBER 20, 1934. Class 42.

323,895. EMPTY WRAPPERS AND BAGS MADE OF GLASSINE, VEGETABLE PARCHMENT, PLAIN, AND/OR WAXED PAPER. FROZEN CONFECTIONS, INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,560. PUBLISHED FEBRUARY 26, 1935. Class 2.

323,896. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed January 22, 1935. Serial No. 360,557. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,897. EXERCISING APPARATUS. WILLIAM BOWEN, New York, N. Y.
Filed January 22, 1935. Serial No. 360,522. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,898. GOLF BALLS. ACUSHNET PROCESS COMPANY, Acushnet, Mass.
Filed January 22, 1935. Serial No. 360,516. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,899. COFFEE. RED LINE COMMERCIAL COMPANY, INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,489. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,900. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed January 21, 1935. Serial No. 360,471. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,901. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed January 21, 1935. Serial No. 360,470. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,902. EMPTY WRAPPERS, BAGS, BOXES, AND/OR CARTONS, MADE OF GLASSINE, VEGETABLE PARCHMENT, PLAIN, AND/OR WAXED PAPER. JOE LOWE CORPORATION, New York, N. Y.
Filed January 18, 1935. Serial No. 360,414. PUBLISHED FEBRUARY 26, 1935. Class 2.

323,903. FRESH VEGETABLES AND MELONS. J. A. SIMMONS INC., El Centro, Calif.
Filed January 17, 1935. Serial No. 360,381. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,904. GIN. DENNEHEIM'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed December 6, 1934. Serial No. 358,974. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,905. ELECTRIC INCANDESCENT LAMPS. DURO-TEST CORPORATION, New York, N. Y.
Filed January 15, 1935. Serial No. 360,267. PUBLISHED FEBRUARY 26, 1935. Class 21.

323,906. GIN. DENNEHEIM'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed December 6, 1934. Serial No. 358,971. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,907. WHISKEY. DENNEHEIM'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed December 6, 1934. Serial No. 358,969. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,908. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. S. E. RYKOFF & COMPANY, Los Angeles, Calif.
Filed December 5, 1934. Serial No. 358,949. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,909. ALCOHOL BEVERAGE OF THE CHINESE TYPE KNOWN AS NG KA PY. WONG SHWAI, doing business as Wing Lee Wai Company, San Francisco, Calif.
Filed December 4, 1934. Serial No. 358,896. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,910. EPSOM SALT, BORIC ACID, CREAM OF TARTAR, SODIUM BICARBONATE, CASTOR OIL, AND COD LIVER OIL. THE PENSLAR COMPANY, Detroit, Mich.
Filed December 4, 1934. Serial No. 358,890. PUBLISHED FEBHUARY 12, 1935. Class 6.

323,911. CORDIALS. HERMAN KRAUSS, INCORPORATED, Toledo, Ohio.
Filed December 4, 1934. Serial No. 358,878. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,912. INSECTICIDES. THE BLACK FLAG COMPANY, Baltimore, Md.
Filed December 4, 1934. Serial No. 358,874. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,913. TANDEM DRIVE FOR VEHICLES, TRUCKS, CHASSIS, AND TRAILERS. THORNTON TANDEM COMPANY, Detroit, Mich.
Filed December 3, 1934. Serial No. 358,864. PUBLISHED FEBRUARY 26, 1935. Class 19.

323,914. WHISKEY. LEM MORLOW, doing business as Jack Daniel, Lynchburg, Tenn.
Filed December 3, 1934. Serial No. 358,853. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,915. PREPARATIONS FOR THE TREATMENT OF THE FEET, SPECIFICALLY, POWDER AND CREAM. COPE'S PRODUCTS, INC., Philadelphia, Pa.
Filed December 3, 1934. Serial No. 358,831. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,916. BRANDY. HONOLULU OKOLEHAO CO., LTD., Honolulu, Hawaii.
Filed December 1, 1934. Serial No. 358,809. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,917. WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. PROVINCIAL DISTILLERIES LTD. INC., Brooklyn, N. Y.
Filed November 30, 1934. Serial No. 358,792. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,918. STRAIGHT BOURBON WHISKEY. IRVING PROJANSKY, Chicago, Ill.
Filed November 30, 1934. Serial No. 358,790. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,919. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed November 30, 1934. Serial No. 358,773. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,920. COMPOUND MUSTARD POULTICE. MAX LEVINSTEIN, doing business as Em-El Laboratory, Glendale, N. Y.
Filed December 29, 1934. Serial No. 359,748. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,921. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,212. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,922. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,211. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,923. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,210. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,924. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,209. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,925. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,208. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,926. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,207. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,927. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,206. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,928. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,205. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,929. PHOTOGRAPHIC APPARATUS, NAMELY—ENLARGING APPARATUS, PROJECTION APPARATUS FOR EPISCOPIC PROJECTION, ETC. ZEISS IKON AKTIENGESELLSCHAFT, Dresden, Germany.
Filed January 20, 1934. Serial No. 346,392. PUBLISHED FEBRUARY 26, 1935. Class 26.

323,930. AWNINGS AND TENTS. CRAWFORD MANUFACTURING CO. INC., Richmond, Va.
Filed January 11, 1935. Serial No. 360,132. PUBLISHED FEBRUARY 26, 1935. Class 50.

323,931. PASTE FOR CLEANING THE SKIN, OINTMENT FOR TREATING NASAL CATARRH AND COLDS, SORE AND CHAPPED LIPS AND HANDS, CORNS, CALLOUSES, AND ITCH, A POULTICE FOR BOILS, INFECTIONS AND WOUNDS, A PREPARATION FOR TREATING WEARY ACHING FEET AND CHAFED SKIN, BURNS, SKIN INFECTIONS, TIRED ITCHING EYES, AND DENTAL CREAM. LABBE PRODUCTS MANUFACTURERS, Casper, Wyo.
Filed February 8, 1934. Serial No. 347,144. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,932. ASPHALT ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 14, 1935. Serial No. 360,261. PUBLISHED FEBRUARY 26, 1935. Class 12.

323,933. PLANT PROTECTORS. WALTER R. SCHINDLER, Los Angeles, Calif.
Filed January 14, 1935. Serial No. 360,246. PUBLISHED FEBRUARY 26, 1935. Class 50.

323,934. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. SCHENLEY DISTRIBUTORS, INC., New York, N. Y.
Filed January 14, 1935. Serial No. 360,245. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,935. LADIES' HANDBAGS AND PURSES. JACK ISRAEL, INC., New York, N. Y.
Filed January 14, 1935. Serial No. 360,227. PUBLISHED FEBRUARY 26, 1935. Class 3.

323,936. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH & COMPANY, Schenley, Pa.
Filed January 14, 1935. Serial No. 360,223. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,937. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH & COMPANY, Schenley, Pa.
Filed January 14, 1935. Serial No. 360,222. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,938. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH & COMPANY, Schenley, Pa.
Filed January 14, 1935. Serial No. 360,221. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,939. AUTOMATIC SAFETY LADDERS. AUTOMATIC-SAFETY LADDER CORP., Los Angeles, Calif.
Filed January 14, 1935. Serial No. 360,199. PUBLISHED FEBRUARY 26, 1935. Class 50.

323,940. FABRIC COVERINGS FOR TABLE AND BUFFET GLASSWARE, FINE CHINA, ETC.—NAMELY, HIGHBALL GLASSES, COCKTAIL GLASSES, AND OTHER BEVERAGE GLASSES, BOTTLES, DECANTERS, MIXERS, SHAKERS, FLOWER VASES, BOWLS, CANDLESTICKS, CUPS, SAUCERS, AND PLATES. THE KOVA KNIT CO., New York, N. Y.
Filed January 11, 1935. Serial No. 360,190. PUBLISHED FEBRUARY 26, 1935. Class 50.

323,941. COMPACTS, VANITY CASES, LIPSTICK HOLDERS, AND POWDER CONTAINERS WITH INCIDENTAL COMPARTMENTS FOR COINS AND CIGARETTES, MADE OF BASE METAL OR COMPOSITION MATERIAL, AND SOLD TO THE TRADE UNFILLED. SAKS & COMPANY, New York, N. Y.
Filed January 12, 1935. Serial No. 360,184. PUBLISHED FEBRUARY 26, 1935. Class 2.

323,942. INDUSTRIAL AND AUTOMOTIVE PACKINGS IN RING, SPIRAL OR PLASTIC FORMS. NEVEROIL BEARING COMPANY, Wakefield, Mass.
Filed January 12, 1935. Serial No. 360,180. PUBLISHED FEBRUARY 26, 1935. Class 35.

323,943. WATCHES, WATCH CASES, WATCH MOVEMENTS, AND WATCH DIALS. I. D. WATCH CASE CO., INC., New York, N. Y.
Filed January 12, 1935. Serial No. 360,174. PUBLISHED FEBRUARY 26, 1935. Class 27.

323,944. INDUSTRIAL AND AUTOMOTIVE PACKINGS IN RING, SPIRAL OR PLASTIC FORMS. FEDERAL METALLIC PACKING COMPANY, Wakefield, Mass.
Filed January 12, 1935. Serial No. 360,167. PUBLISHED FEBRUARY 26, 1935. Class 35.

323,945. EXERCISING APPARATUS. WILLIAM BOWER, New York, N. Y.
Filed January 12, 1935. Serial No. 360,165. PUBLISHED FEBRUARY 26, 1935. Class 22.

323,946. RUBBER-COVERED SQUEEZE ROLLS ADAPTED FOR USE IN LAUNDRY AND TEXTILE MACHINES, PAPER MACHINES, PRINTING PRESSES AND OTHER MACHINERY, SUCH AS WRINGER ROLLS, CALENDERING ROLLS, MANGLE ROLLS, PRESSING ROLLS, ETC. AMERICAN WRINGER COMPANY, INC., Woonsocket, R. I.
Filed January 12, 1935. Serial No. 360,162. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,947. CANNED STRAINED CEREAL, STRAINED VEGETABLES—NAMELY, SPINACH, PEAS, TOMATOES, GREEN BEANS, CARROTS; STRAINED VEGETABLE SOUP, STRAINED FRUITS—NAMELY, PRUNES AND APRICOTS. STOKELY BROTHERS & CO., INC., Indianapolis, Ind.
Filed January 11, 1935. Serial No. 360,145. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,948. PAPER PATTERNS FOR GARMENTS. THE NEW YORK PATTERN COMPANY, INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,140. PUBLISHED FEBRUARY 26, 1935. Class 26.

323,949. PAPER PATTERNS FOR GARMENTS. THE NEW YORK PATTERN COMPANY, INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,138. PUBLISHED FEBRUARY 26, 1935. Class 26.

323,950. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH & COMPANY, Schenley, Pa.
Filed December 31, 1934. Serial No. 359,788. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,951. HONEY, JELLIES, CANNED BONELESS CHICKEN, CANNED CHICKEN A LA KING, CHICKEN PIE, CHEESE, BUTTER, AND CANNED FRUIT AND CANNED VEGETABLES. WALTER SCOTT FRASER, Picton, Ontario, Canada.
Filed September 15, 1934. Serial No. 356,074. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,952. MEDICINE, THE SPECIFIC MEDICINAL USE OF WHICH IS IN THE CLINICAL TREATMENT OF DIABETES. NORMAN KENNETH EDGAR, Tenafly, N. J., assignor to New Era Pharmaceutical Lab. Inc., Tenafly, N. J.
Filed August 25, 1934. Serial No. 355,434. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,953. CONCENTRATED FRUIT SYRUPS USED FOR FLAVORING FOODS. REFINED SYRUPS INC., New York, N. Y.
Filed September 7, 1934. Serial No. 355,816. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,954. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,220. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,955. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,221. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,956. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,219. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,957. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,218. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,958. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,217. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,959. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,216. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,960. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KORBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,215. PUBLISHED FEBRUARY 26, 1935. Class 23.

323,961. WINES. SKINNER & EDDY CORPORATION, Seattle, Wash.
Filed January 5, 1935. Serial No. 359,965. PUBLISHED FEBRUARY 26, 1935. Class 47.

323,962. LAXATIVE TABLETS. STERLING REMEDY COMPANY, Wheeling, W. Va.
Filed January 4, 1935. Serial No. 359,931. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,963. BUILDING MATERIAL—NAMELY, A COMPOSITION SUITABLE FOR USE AS PLASTER OR FOR MAKING BLOCKS OR WALL SLABS. R. GUASTAVINO COMPANY, Boston, Mass.
Filed January 4, 1935. Serial No. 359,912. PUBLISHED FEBRUARY 26, 1935. Class 12.

323,964. VEGETABLE FATS FOR FOOD PURPOSES. JOSEPH CROSFIELD & SONS, LIMITED, Warrington, England.
Filed January 4, 1935. Serial No. 359,907. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,965. FOOD BEVERAGE HERBAL TEA. W. E. MONSTAD, doing business as The Mondell Company, Los Angeles, Calif.
Filed January 2, 1935. Serial No. 359,855. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,966. SALVE FOR HEMORRHOIDS. BROTHERS CORPORATION, Brooklyn, N. Y.
Filed January 2, 1935. Serial No. 359,843. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,967. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS PRODUCTS CORP., North Bergen, N. J.
Filed December 31, 1934. Serial No. 359,819. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,968. ANTISEPTIC COMPOSITION. OSTRO RESEARCH LABORATORIES, INC., New York, N. Y.
Filed December 31, 1934. Serial No. 359,810. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,969. WHISKEY, GIN, RUM, AND BRANDY. JOSEPH S. FINCH & COMPANY, Schenley, Pa., assignor to S. M. Flickinger Co., Inc., Buffalo, N. Y., a corporation of New York.
Filed December 31, 1934. Serial No. 359,789. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,970. DRIED BEEF. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed December 31, 1934. Serial No. 359,782. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,971. WOOD SCREWS, SHEET METAL SCREWS, LAG SCREWS, AND HANGER BOLTS. CONTINENTAL SCREW COMPANY, New Bedford, Mass.
Filed December 31, 1934. Serial No. 359,781. PUBLISHED FEBRUARY 26, 1935. Class 13.

323,972. DENTIFRICE. ALBERT L. CALDER COMPANY, INCORPORATED, Providence, R. I.
Filed December 31, 1934. Serial No. 359,778. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,973. GYPSUM PATCHING PLASTER AND GYPSUM DRY FILL INSULATION. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio.
Filed December 31, 1934. Serial No. 359,764. PUBLISHED FEBRUARY 26, 1935. Class 12.

323,974. RUM. FELTON & SON, INCORPORATED, Boston, and South Boston, Mass.
Filed December 29, 1934. Serial No. 359,743. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,975. GRAPE BRANDY AND WHISKEY. LA PERLA VINEYARD COMPANY, Chicago, Ill.
Filed December 28, 1934. Serial No. 359,721. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,976. COTTON PIECE GOODS. CARNAC COTTON, INC., New York, N. Y.
Filed December 28, 1934. Serial No. 359,711. PUBLISHED FEBRUARY 5, 1935. Class 42.

323,977. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed December 26, 1934. Serial No. 359,685. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,978. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed December 26, 1934. Serial No. 359,684. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,979. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed December 26, 1934. Serial No. 359,683. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,980. BEDS, BEDSTEADS, COUCHES, COTS, GLIDERS, PORCH SWINGS, PORCH BEDS, CHAIRS, OTTOMANS, SETTEES, SOFAS, DIVANS, STUDIO COUCHES, RESILIENT SEATS AND SEAT BACKS, SEAT SPRING CONSTRUCTIONS, MATTRESSES, BEDSPRINGS; VEHICLE SEATS, CUSHIONS AND BERTHS; PILLOWS AND CUSHIONS. VI-SPRING PRODUCTS LIMITED, London, England.
Filed December 26, 1934. Serial No. 359,682. PUBLISHED FEBRUARY 26, 1935. Class 32.

323,981. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed December 26, 1934. Serial No. 359,669. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,982. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed December 26, 1934. Serial No. 359,668. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,983. WHISKY. THE OLD MONASTERY COMPANY, Seattle, Wash.
Filed December 26, 1934. Serial No. 359,667. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,984. WHISKY. THE OLD MONASTERY COMPANY, Seattle, Wash.
Filed December 26, 1934. Serial No. 359,666. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,985. WHEAT FLOUR. EAGLE MILLING COMPANY, Edmond, Okla.
Filed December 26, 1934. Serial No. 359,652. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,986. IRON SODIUM CITRATE COMPOUND TO BE USED IN THE TREATMENT OF ANEMIA OR OTHER CONDITIONS WHERE IRON IS INDICATED. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 24, 1934. Serial No. 359,620. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,987. TABLE SALT. MYLES SALT CO., LTD., New Orleans, La.
Filed December 24, 1934. Serial No. 359,627. PUBLISHED FEBRUARY 26, 1935. Class 46.

323,988. STARCH FOR MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed December 24, 1934. Serial No. 359,614. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,989. LUBRICATING OILS. PENN-STATE PETROLEUM COMPANY, Warren, Pa.
Filed January 26, 1935. Serial No. 360,729. Class 15.

323,990. PERFUMES, FACE POWDERS, TOILET WATERS, LIP STICKS, ROUGES, AND COSMETICAL COMPACTS. LOUIS PASKIN, New York, N. Y., assignor to Frank C. Reilly, New York, N. Y.
Filed July 29, 1933. Serial No. 340,234. PUBLISHED OCTOBER 3, 1933. Class 6.

323,991. HYGIENIC VAGINAL POWDER. EVA MOSKOW, doing business as Nonparey Laboratories, Los Angeles, Calif.
Filed June 10, 1933. Serial No. 338,751. PUBLISHED FEBRUARY 12, 1935. Class 6.

323,992. HANDKERCHIEFS. SOUTHERN HANDKERCHIEF MFG. CO., Greenville, S. C.
Filed May 24, 1933. Serial No. 338,175. PUBLISHED FEBRUARY 5, 1935. Class 42.

323,993. GERMICIDAL AND ANTISEPTIC PREPARATION FOR EXTERNAL USE, ADAPTED PARTICULARLY FOR THE TREATMENT OF VENEREAL DISEASES. ESTHER W. HOLLENBECK, Rhinelander, Wis.
Filed January 18, 1933. Serial No. 334,058. PUBLISHED FEBRUARY 26, 1935. Class 6.

323,994. CANDY. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash.
Filed April 28, 1930. Serial No. 299,319. PUBLISHED JUNE 24, 1930. Class 46.

323,995. WHISKEY AND GIN. COLONIAL DISTILLING & DISTRIBUTING CORPORATION, New York, N. Y.
Filed March 16, 1934. Serial No. 348,692. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,996. OINTMENT OR SALVE USED IN THE TREATMENT OF SCALDS, BURNS, AND SKIN INFECTIONS. LITTLE BEAR SPECIALTIES COMPANY, Kansas City, Mo.
Filed March 12, 1934. Serial No. 348,499. PUBLISHED MAY 1, 1934. Class 6.

323,997. WHISKEY AND GIN. COLONIAL DISTILLING & DISTRIBUTING CORPORATION, New York, N. Y.
Filed March 3, 1934. Serial No. 348,123. PUBLISHED FEBRUARY 26, 1935. Class 49.

323,998. WHISKY, GIN, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS INC., Chicago, Ill.
Filed March 2, 1934. Serial No. 348,107. PUBLISHED MAY 1, 1934. Class 49.

323,999. GIN AND OTHER POTABLE DISTILLED SPIRITS. BEN-BURK, INC., Boston, Mass.
Filed February 15, 1934. Serial No. 347,400. PUBLISHED MARCH 27, 1934. Class 49.

324,000. FABRICS IN THE PIECE—NAMELY, OF WOOL, COTTON, SILK, RAYON, AND/OR COMBINATIONS THEREOF. EDGAR RICE BURROUGHS, INC., Tarzana, Calif.
Filed February 12, 1934. Serial No. 347,263. PUBLISHED FEBRUARY 19, 1935. Class 42.

324,001. WHISKY, BRANDY, GIN, AND OTHER POTABLE DISTILLED SPIRITS. SOCIEDAD VINICOLA S. & L. DURLACHER, Hamburg, Germany.
Filed January 13, 1934. Serial No. 346,037. PUBLISHED MAY 15, 1934. Class 49.

324,002. WHISKEY, BRANDY, AND RUM. CLUFF AND PICKERING LTD., New York, N. Y.
Filed January 9, 1934. Serial No. 345,820. PUBLISHED JULY 3, 1934. Class 49.

324,003. WHISKEY, BRANDY, GIN, AND OTHER POTABLE DISTILLED SPIRITS. SOCIEDAD VINICOLA S. & L. DURLACHER, Hamburg, Germany.
Filed January 2, 1934. Serial No. 345,563. PUBLISHED JULY 3, 1934. Class 49.

324,004. WHISKEY, BRANDY, GIN, RUM, AND OTHER POTABLE DISTILLED SPIRITS EXCEPTING COCKTAILS. KOLMAR, INC., Cincinnati, Ohio, assignor to Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware.
Filed December 15, 1933. Serial No. 344,976. PUBLISHED FEBRUARY 6, 1934. Class 49.

324,005. WHISKEY. FRANK C. REILLY, New York, N. Y., assignor to Readville Distilleries, Inc., Boston, Mass., a corporation of Delaware.
Filed November 24, 1933. Serial No. 344,108. PUBLISHED JANUARY 9, 1934. Class 49.

324,006. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, ETC. FRANK C. REILLY, New York, N. Y.
Filed November 7, 1933. Serial No. 343,366. PUBLISHED DECEMBER 26, 1933. Class 6.

324,007. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,214. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,008. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,213. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,009. WHISKEY AND/OR OTHER POTABLE DISTILLED SPIRITS. BERNARD M. MARKSTEIN, doing business as Ohio Brokerage Company, Cincinnati, Ohio, assignor to Jos. S. Finch & Company, New York, N. Y.
Filed September 29, 1933. Serial No. 342,009. PUBLISHED DECEMBER 12, 1933. Class 49.

324,010. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,200. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,011. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,199. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,012. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,198. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,013. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,197. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,014. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, FRUIT PRESERVES, SALT, TOMATO SAUCE, CHICKEN NOODLE DINNER, HOMINY, COCOA, ETC. B. H. RUDO & BRO., Baltimore, Md.
Filed August 15, 1934. Serial No. 355,041. PUBLISHED NOVEMBER 6, 1934. Class 46.

324,015. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.
Filed August 13, 1934. Serial No. 354,969. PUBLISHED FEBRUARY 26, 1935. Class 46.

324,016. WHISKEY. THREE G DISTILLERY CORP., Burbank, Calif.
Filed August 13, 1934. Serial No. 354,959. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,017. BEER. AMERICAN BREWING COMPANY, New Orleans, La.
Filed August 4, 1934. Serial No. 354,647. PUBLISHED FEBRUARY 26, 1935. Class 48.

324,018. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,625. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,019. LINOLEUM, FELT BASE, AND SIMILAR HARD SURFACED FLOOR COVERINGS. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed August 2, 1934. Serial No. 354,554. PUBLISHED FEBRUARY 26, 1935. Class 20.

324,020. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,219. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,021. GIN. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,218. PUBLISHED OCTOBER 16, 1934. Class 49.

324,022. GIN. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,217. PUBLISHED OCTOBER 16, 1934. Class 49.

324,023. ELECTRODE HOLDERS, INSULATED CABLE, CABLE CONNECTORS, AND CABLE CLAMPS FOR ELECTRIC ARC WELDING. GEORGE H. ABEL, Roslyn, Pa.
Filed May 14, 1934. Serial No. 351,295. PUBLISHED FEBRUARY 26, 1935. Class 21.

324,024. SCOTCH WHISKY. LEVY & FRANKS LIMITED, London, England.
Filed May 3, 1934. Serial No. 350,860. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,025. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SYRUPS FOR MAKING SAID DRINKS, AND CIDER. FRANKLIN MACVEAGH AND COMPANY, Chicago, Ill.
Filed April 21, 1934. Serial No. 350,301. PUBLISHED FEBRUARY 26, 1935. Class 45.

324,026. FRESH MELONS, FRESH VEGETABLES, FRESH FRUITS. PATTERSON RANCH COMPANY, Patterson, Calif.
Filed October 10, 1934. Serial No. 356,964. PUBLISHED FEBRUARY 26, 1935. Class 46.

324,027. WHISKEY, GIN, GRAPE BRANDY, AND PEACH LIQUEUR. ED. F. HAYES, Los Angeles, Calif.
Filed September 24, 1934. Serial No. 356,848. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,028. WINES. ST. GEORGE WINERY, doing business as St. George Winery & Distillery, Fresno, Calif.
Filed September 19, 1934. Serial No. 356,200. PUBLISHED FEBRUARY 26, 1935. Class 47.

324,029. MEDICINAL PREPARATION FOR THE RELIEF OF TUBERCULOSIS. WALKER H. DUBB, Boise City, Okla.
Filed September 19, 1934. Serial No. 356,179. PUBLISHED FEBRUARY 12, 1935. Class 6.

324,030. STEEL FILES. COLUMBIA IMPORT & EXPORT CO., INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,131. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,031. PLAYING CARD SHUFFLING AND DEALING DEVICE. HOMER H. TIMBERS, Glen Ridge, N. J.
Filed January 10, 1935. Serial No. 360,112. PUBLISHED FEBRUARY 26, 1935. Class 22.

324,032. PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed January 10, 1935. Serial No. 360,106. PUBLISHED FEBRUARY 26, 1935. Class 35.

324,033. BLASTING POWDER, FUSE POWDER, SPORTING POWDER, FIRE WORKS POWDER, DYNAMITE, NON-ELECTRIC AND ELECTRIC BLASTING CAPS. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y.
Filed January 10, 1935. Serial No. 360,087. PUBLISHED FEBRUARY 26, 1935. Class 9.

324,034. BOTTLE CAPS. SEALRIGHT CO., INC., Fulton, N. Y.
Filed January 9, 1935. Serial No. 360,081. PUBLISHED FEBRUARY 26, 1935. Class 50.

324,035. PREPARATION FOR THE USE IN THE TREATMENT OF CONSTIPATION. PETROLAGAR LABORATORIES, INC., Chicago, Ill.
Filed January 8, 1935. Serial No. 360,042. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,036. TEXTILE PIECE GOODS MADE OF SILK. GARFINKEL & RITTER, New York, N. Y.
Filed July 19, 1934. Serial No. 354,082. PUBLISHED FEBRUARY 5, 1935. Class 42.

324,037. AUTOMATIC BEER DISPENSERS COMPRISING A CABINET FITTED WITH COILS, COUPLINGS, FAUCETS, GAUGES, REGULATORS, COCKS, BUNGS, TUBES, AND HOSE. THE BISHOP & BABCOCK MANUFACTURING CO., Cleveland, Ohio.
Filed July 12, 1934. Serial No. 353,794. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,038. FRESH DECIDUOUS FRUITS. HOME INVESTMENT CO., INC., Wynne, Ark.
Filed July 11, 1934. Serial No. 353,758. PUBLISHED FEBRUARY 26, 1935. Class 46.

324,039. GIN. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed July 11, 1934. Serial No. 353,746. PUBLISHED AUGUST 14, 1934. Class 49.

324,040. BAKERY PRODUCTS OF A PRETZEL-LIKE NATURE. THE GENERAL PRETZEL COMPANY, Canton, Ohio.
Filed July 2, 1934. Serial No. 353,431. PUBLISHED FEBRUARY 26, 1935. Class 46.

324,041. QUININE PREPARATION USED FOR THE PURPOSES FOR WHICH QUININE IS ADAPTED. ERNST SILTEN, Berlin, Germany.
Filed June 12, 1934. Serial No. 352,596. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,042. FACE POWDER, DUSTING POWDER, LAVENDER WATER, FACIAL CREAMS, SACHET, AND ASTRINGENT LOTIONS. WORTHALL, LTD., New York, N. Y.
Filed June 4, 1934. Serial No. 352,278. PUBLISHED OCTOBER 9, 1934. Class 6.

324,043. CANNED FRUITS AND VEGETABLES. SANTA CRUZ FRUIT PACKING COMPANY, Oakland, Calif.
Filed June 6, 1934. Serial No. 352,331. PUBLISHED JULY 24, 1934. Class 46.

324,044. WHISKEY. IRISH HILLS DISTILLERIES, INC., Detroit, Mich.
Filed June 2, 1934. Serial No. 352,187. PUBLISHED FEBRUARY 26, 1935. Class 49.

324,045. A PLANT INSECTICIDE. G. C. HANFORD MFG. CO., Syracuse, N. Y.
Filed May 22, 1934. Serial No. 351,693. PUBLISHED SEPTEMBER 4, 1934. Class 6.

324,046. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,204. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,047. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,203. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,048. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,202. PUBLISHED FEBRUARY 26, 1935. Class 23.

324,049. TOOLS OR HOLDERS FOR CARRYING INDUSTRIAL DIAMONDS AS CUTTING AGENTS. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed August 20, 1934. Serial No. 355,201. PUBLISHED FEBRUARY 26, 1935. Class 23.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

324,050. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) COMPOUND INJECTOR & SPECIALTY CO., Chicago, Ill. Filed July 5, 1934. Serial No. 353,503.

FLOCONTROL

For Floor Drains, Combined Refuse Separators and Catch Basins, Combined Grease Separators and Catch Basins, and Valve Devices for Regulating the Flow of Drainage Through the Basins of Grease Separators.
Claims use since Aug. 22, 1933.

324,051. (CLASS 39. CLOTHING.) THE IRVING DREW CO., Portsmouth, Ohio. Filed Aug. 15, 1934. Serial No. 355,018.

BEAU-T-EASE

For Women's Shoes Made of Leather or Fabric, or of Combinations of These Materials.
Claims use since June 1, 1932.

324,052. (CLASS 39. CLOTHING.) JOHN M. HISS, Los Angeles, Calif. Filed Aug. 15, 1934. Serial No. 355,023.

CLASSIFIED

For Shoes, Made of Leather or Fabric, or of Combinations of These Materials.
Claims use since Nov. 12, 1932.

324,053. (CLASS 47. WINES.) THE STERLING WINE & LIQUOR CORP., St. Paul, Minn. Filed Aug. 28, 1934. Serial No. 355,524.

STERLING

For Wines.
Claims use since Feb. 21, 1934.

324,054. (CLASS 39. CLOTHING.) "ANNY BLATT" SOCIÉTÉ À RESPONSABILITÉ LIMITÉE AU CAPITAL DE 50,000 FRANCS, Paris, France. Filed Oct. 6, 1934. Serial No. 356,829.

anny blatt

For Women's Wearing Apparel, Namely, Dresses, Blouses, Knitted Blouses, Coats, Skirts for Outer Wear, Scarfs, Hats.
Claims use since February, 1932.

324,055. (CLASS 37. PAPER AND STATIONERY.) THE CHILCOTE COMPANY, Cleveland, Ohio. Filed Oct. 24, 1934. Serial No. 357,457.

NUMOUNT

For Mounts of Paper and Cardboard for Photographs and Pictures.
Claims use since Feb. 23, 1934.

324,056. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP L. SHERER & SONS, Philadelphia, Pa. Filed Nov. 12, 1934. Serial No. 358,156.

WARMWUL

For Interlinings for Clothing Sold by the Yard.
Claims use since Mar. 20, 1934.

324,057. (CLASS 39. CLOTHING.) CLASSY TOGS CORP., Brooklyn, N. Y. Filed Nov. 17, 1934. Serial No. 358,316.

Classy Togs

For Children's Dresses, Children's Play Suits, Children's Snow Suits, Children's Ski-Suits, Children's Ski-Pants, and Children's Ski Coats.
Claims use since
Claims use since Nov. 11, 1931, on children's dresses and children's play suits; since Jan. 1, 1930, on children's snow suits; and since Jan. 1, 1934, on children's ski suits, children's ski pants, and children's ski coats.

324,058. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDISON BROS. STORES, INC., St. Louis, Mo. Filed Nov. 19, 1934. Serial No. 358,361.

KLEAN-M-KLEAN

For Cleaning Preparation for Colored Shoes, Fabrics of All Kinds, Leather Goods of All Kinds, Silks, Satins, and Gloves.
Claims use since 1922.

324,059. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDISON BROS. STORES, INC., St. Louis, Mo. Filed Nov. 19, 1934. Serial No. 358,362.

KLEAN-M-WHITE

For Cleaning Preparation for Shoes of Calf, Kid, and Buck, Fabrics, Footwear, Gloves, and Leather Goods.
Claims use since 1922.

324,060. (CLASS 39. CLOTHING.) NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y. Filed Nov. 30, 1934. Serial No. 358,782.

Water-Shed

For Men's Coats, and Suits; Ladies', Misses' and Children's Coats, Suits, Dresses, Blouses, and Hats; Bathing Suits, Pajamas, Beach Robes, Negligees, Underwear for Men, Women, and Children, Dress and Sports Shirts and Shoes Made of Suede, Fabric, Leather, or Combinations of These Materials.
Claims use since Apr. 10, 1933.

324,061. (CLASS 39. CLOTHING.) J. A. RILEY & CO., New York, N. Y. Filed Dec. 3, 1934. Serial No. 358,858.

Lees of Galashiels

For Men's and Women's Topcoats, Overcoats and Suits.
Claims use since Jan. 1, 1926.

324,062. (CLASS 39. CLOTHING.) JOHN. B. STETSON COMPANY, Philadelphia, Pa. Filed Dec. 5, 1934. Serial No. 358,953.

Kensington

For Men's Hats.
Claims use since 1909.

324,063. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARLTON MILLS CO., INC., Philadelphia, Pa. Filed Dec. 10, 1934. Serial No. 359,120.

BABELAMM

For Woolen Piece Goods.
Claims use since 1932.

324,064. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) GUIBERT FRERES GLOVES, INC., New York, N. Y. Filed Dec. 19, 1934. Serial No. 359,451.

GUIBERT FRÈRES.
MILLAU GRENOBLE

For Skins.
Claims use since Sept. 1, 1933.

324,065. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ADOLPH HAUPTMAN, New York, N. Y. Filed Jan. 2, 1935. Serial No. 359,853.

HARPER

For Combs, Shoe Laces, Safety Pins, Hair Pins.
Claims use since Dec. 1, 1933.

324,066. (CLASS 39. CLOTHING.) SAMUEL SCHRUER, New York, N. Y. Filed Jan. 11, 1935. Serial No. 360,144.

TWILFELT

For Women's and Children's Hats and Caps.
Claims use since Oct. 15, 1933.

324,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TROPICAL CEREAL CO., INC., Blackwell, Okla. Filed Jan. 21, 1935. Serial No. 360,506.

BANANA BRAN

For a Food Compound, Made From Bananas and Bran For Use as a Breakfast Cereal.
Claims use since Mar. 27, 1928.

324,068. (CLASS 39. CLOTHING.) I. MATISON, doing business as Jackson Hosiery Company, Nashville, Tenn. Filed Feb. 6, 1935. Serial No. 361,101.

Lov-lay

For Hosiery.
Claims use since Jan. 1, 1933.

324,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOEL S. PERKINS & SON, Gloucester, N. J. Filed Feb. 9, 1935. Serial No. 361,215.

TUFOAK

For Textile Loom Leather Strapping and Textile Loom Leather Pickers.
Claims use since Dec. 1, 1933.

324,070. (CLASS 45. BEVERAGES, NONALCOHOLIC.) A. D. LEWIS, Atlanta, Ga. Filed Mar. 5, 1935. Serial No. 362,142.

Jucy punch

For Nonalcoholic Maltless Syrups Used in the Preparation of Soft Drinks.
Claims use since May 15, 1930.

324,071. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PARDEE & CURTIN LUMBER COMPANY, Bergoo and Clarksburg, W. Va. Filed Mar. 6, 1935. Serial No. 362,185.

BERGOO

For Coal.
Claims use since 1930.

324,072. (CLASS 48. MALT BEVERAGES AND LIQUORS.) LIEBERT & OBERT, Philadelphia, Pa. Filed Mar. 20, 1935. Serial No. 362,786.

Manayunk

For Beer—Namely, Lager Beer, Bock Beer, Light Beer, Porter, and Ale.
Claims use since June 15, 1933.

324,073. (CLASS 39. CLOTHING.) SALVATORE CAPEZIO, doing business as Capezio, New York, N. Y. Filed June 10, 1931. Serial No. 315,626.

TOE-EASE

For Cushioning Shields or Inserts for Dancing Slippers.
Claims use since July 15, 1930.

324,074. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) D. B. PURBECK & Co., Boston, Mass. Filed Nov. 15, 1933. Serial No. 343,707.

Kushun-Nap

For Textile Piece Goods Intended for Use in Making Shoe Linings and Shoe Lining Material.
Claims use since Oct. 10, 1933.

324,075. (CLASS 47. WINES.) VALENTE, COSTA & COMPANHIA LIMITADA, Villa Nova de Gaya, Portugal. Filed Nov. 16, 1933. Serial No. 343,754.

VALENTE, COSTA & COMPANHIA

For Wines.
Claims use since 1890.

324,076. (CLASS 39. CLOTHING.) DUBB UNDERGARMENT CO. INC., New York, N. Y. Filed Jan. 31, 1934. Serial No. 346,767.

SEAM-LOC

For Women's Undergarments—Namely, Nightgowns, Pajamas, Slips, Petticoats, Chemises, Panties, Bloomers, Underdrawers and Brassières and Bandeaux.
Claims use since Jan. 26, 1934.

324,077. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) YORK AND COMPANY, Grand Rapids, Mich. Filed Feb. 5, 1934. Serial No. 347,001.

Trusplint

For Coal.
Claims use since Dec. 21, 1933.

324,078. (CLASS 39. CLOTHING.) B. W. MAYER, LTD., Poughkeepsie and New York, N. Y. Filed Feb. 24, 1934. Serial No. 347,807.

Soie de Laine

For Neckties, Cravats, Mufflers, and Scarfs.
Claims use since December, 1930.

324,079. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 7, 1934. Serial No. 347,050.

BASKA CREPE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Feb. 6, 1934.

324,080. (CLASS 39. CLOTHING.) EMPORIUM-WORLD MILLINERY CO., Chicago, Ill. Filed Mar. 8, 1934. Serial No. 348,322.

caroline adair

For Women's Hats and Hat Linings.
Claims use since July, 1933.

324,081. (CLASS 39. CLOTHING.) DAVIDSON BROTHERS, New York, N. Y. Filed Mar. 9, 1934. Serial No. 348,371.



For Ladies' Silk Garments—Namely, Petticoats, Slips, Bed Jackets, Pajamas, Chemises, Dancettes, Step-ins, and Gowns.
Claims use since Feb. 21, 1934.

324,082. (CLASS 39. CLOTHING.) DAVID HAIMOFF, doing business as Sho-Form Brassière Co., Los Angeles, Calif. Filed Mar. 17, 1934. Serial No. 348,760.

Sho-form

For Brassières, Corsets, Girdles, Garter Belts, Combination Underwear, Shorts for Underwear, Slips, Nightgowns, and Pajamas.
Claims use since Feb. 1, 1934.

324,083. (CLASS 39. CLOTHING.) THE HECHT CO., doing business as The Hub, and Hecht Bros., Washington, D. C., and Baltimore, Md. Filed Mar. 19, 1934. Serial No. 348,811.

Eze-Swing

For Men's and Boys' Suits Consisting of Coats, Vests, and Trousers and Overcoats.
Claims use since Jan. 3, 1934.

324,084. (CLASS 39. CLOTHING.) ADLER & ADLER, INC., New York, N. Y. Filed Mar. 21, 1934. Serial No. 348,900.

Sussex

For Women's and Misses' Clothing—Namely, Dresses, Coats, Capes, Vests, Slacks, Shorts for Outer Wear, Blouses, Shirtwaists, Jackets, Pajamas, Skirts for Outer Wear, Berets.
Claims use since Jan. 26, 1934.

324,085. (CLASS 32. FURNITURE AND UPHOLSTERY.) EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Mar. 26, 1934. Serial No. 349,125.

KOOL KLEAN

For Seat Pads.
Claims use since Mar. 1, 1934.

324,086. (CLASS 39. CLOTHING.) ARONSON-CAPLIN COMPANY, INC., New York, N. Y. Filed Apr. 5, 1934. Serial No. 349,555.

SHOULDER-EZE

For Women's Apparel Comprising: Slips, Chemises, Nightgowns, Pajamas, Brassières, Bloomers, and Blouses.
Claims use since Mar. 1, 1934.

324,087. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ARTCRAFT PATENTS, INC., New York, N. Y. Filed Apr. 11, 1934. Serial No. 349,816.

Klipson

For Necktie Clasps Made of German Silver.
Claims use since Jan. 1, 1934.

324,088. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Apr. 28, 1934. Serial No. 350,653.

NO-BAG

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Mar. 1, 1934.

324,089. (CLASS 39. CLOTHING.) WARNER LINGERIE CO. INC., New York, N. Y. Filed May 12, 1934. Serial No. 351,288.

Servislip

For Ladies' Slips.
Claims use since Mar. 1, 1934.

324,090. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE OLD QUAKER COMPANY, Baltimore, Md., and Lawrenceburg, Ind. Filed May 15, 1934. Serial No. 351,869.

WESTFIELD

For Whiskey, Brandy, Gin, Rum, and Other Potable Distilled Spirits.
Claims use since Jan. 31, 1934.

324,091. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed June 18, 1934. Serial No. 352,815.

Sterling

For Birdseye Weave Diapers in Packages, Torn and Hemmed.
Claims use since January, 1934.

TRADE-MARK REGISTRATIONS RENEWED

12,122. KNIVES. Registered April 14, 1885. EAGLE PENCIL COMPANY. Re-renewed April 14, 1935, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware, assignee.

12,252. REFINED PETROLEUM. Registered May 19, 1885. THE CHESTER OIL COMPANY, Philadelphia, Pa. Re-renewed May 19, 1935, to Tide Water Oil Company, New York, N. Y., a corporation of New Jersey, assignee.

99,642. FERTILIZERS. Registered September 8, 1914. F. S. ROYSTER GUANO CO., Norfolk, Va. Renewed September 8, 1934, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

99,643. FERTILIZERS. Registered September 8, 1914. F. S. ROYSTER GUANO CO., Norfolk, Va. Renewed September 8, 1934, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

102,889. CIGARS. Registered February 23, 1915. C. H. PATTENGILL CORPORATION, New York, N. Y. Renewed February 23, 1935, to Compania Tabacalera Nacional Habana S. A., Havana, Cuba, a corporation of Cuba, successor.

102,952. VINEGAR. Registered March 2, 1915. YAKIMA FRUIT PRODUCTS CO., INC., North Yakima, Wash. Renewed March 2, 1935, to Yakima Fruit Products Co., Yakima, Wash., a corporation of Washington.

102,979. LYE. Registered March 9, 1915. E. MYERS LYE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed March 9, 1935.

103,135. WRENCHES. Registered March 16, 1915. WALWORTH MANUFACTURING CO. Renewed March 16, 1935, to The First National Bank of Boston and A. Francis Hayden, trustees of Walworth Company, Boston, Mass., a corporation of Massachusetts, assignee.

103,150. NON-METALLIC MACHINERY PACKING. Registered March 16, 1915. BOWERS RUBBER WORKS. Renewed March 16, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

103,161. A NAIL-POLISH. Registered March 16, 1915. OSCAR L. GRAF, New York, N. Y. Renewed March 16, 1935, to Hygio Products Co., Long Island City, N. Y., a firm, assignee by mesne assignments.

103,234. SINGLE-DECK COILED-WIRE SPRING-MATTRESSES. Registered March 23, 1915. GRAND RAPIDS BEDDING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed March 23, 1935.

103,235. DOUBLE-DECK COILED-WIRE SPRING-MATTRESSES. Registered March 23, 1915. GRAND RAPIDS BEDDING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed March 23, 1935.

103,286. COILED-WIRE SPRING-MATTRESSES. Registered March 23, 1935. GRAND RAPIDS BEDDING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed March 23, 1935.

103,246. CERTAIN NAMED ARTICLES MADE OF OR PLATED WITH PRECIOUS METALS. Registered March 23, 1915. MONTGOMERY WARD & CO. INC., New York, N. Y., Chicago, Ill., Brooklyn, N. Y., Fort Worth, Tex., Kansas City, Mo., and Portland, Oreg. Renewed March 23, 1935, to Montgomery Ward & Co., Chicago, Ill., a corporation of Illinois, assignee.

103,282. BLEACHED MUSLIN. Registered March 30, 1915. CARSON, PIRIE, SCOTT & CO. Renewed March 30, 1935, to Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois, assignee.

103,342. PHOTOGRAPHIC DEVELOPERS. Registered March 30, 1915. EASTMAN KODAK COMPANY, Rochester, N. Y., a corporation of New York. Renewed March 30, 1935.

103,369. TWINES MANUFACTURED FROM VEGETABLE FIBER. Registered March 30, 1915. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and New York, N. Y. Renewed March 30, 1935, to American Manufacturing Company, New York, N. Y., a corporation of Massachusetts.

103,424. CERTAIN NAMED MATERIALS AND PIECE GOODS OF COMBINATIONS OF SAME. Registered April 6, 1915. GEORGE J. GEBB. Renewed April 6, 1935, to B. Priestley & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,426. WOOLEN, WORSTED, SILK, MOHAIR, AND COTTON PIECE GOODS, AND COMBINATIONS THEREOF. Registered April 6, 1915. GEORGE J. GRAN. Renewed April 6, 1935, to B. Priestley & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,428. CANDIES. Registered April 6, 1915. E. GREENFIELD'S SONS. Renewed April 6, 1935, to E. Greenfield's Sons, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,638. COFFEE. Registered April 13, 1915. ARBUCKLE BROTHERS, New York, N. Y., and Chicago, Ill. Renewed April 13, 1935, to Arbuckle Brothers, New York, N. Y., a firm.

103,667. SHEET-PACKING COMPOSED OF RUBBER AND RUBBER COMBINED WITH FIBROUS MATERIAL. Registered April 13, 1915. THE MECHANICAL RUBBER COMPANY, Jersey City, N. J.; New York, N. Y.; and Cleveland, Ohio. Renewed April 13, 1935, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

103,677. LEATHER, CANVAS, AND FABRIC BOOTS, SHOES, AND SLIPPERS, AND RUBBERS. Registered April 13, 1915. POWELL & CAMPBELL, New York, N. Y., a firm. Renewed April 13, 1935.

103,692. GLASS SHADES AND REFLECTORS FOR ARTIFICIAL LIGHT. Registered April 13, 1915. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Renewed April 13, 1935, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

103,693. GLASS SHADES AND REFLECTORS FOR ILLUMINATING PURPOSES. Registered April 13, 1915. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Renewed April 13, 1935, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

103,706. CERTAIN NAMED FOODS. Registered April 13, 1915. SOCIÉTÉ DE CONSERVES ALIMENTAIRES DE LA VALLÉE DU RHÔNE, Saxon, Switzerland, a corporation of Switzerland. Renewed April 13, 1935.

103,876. LEATHER BELTINGS. Registered April 20, 1915. CHAS. L. IRESON (INC.), Boston, Mass. Renewed April 20, 1935, to Charles L. Ireson Company, Chicago, Ill., a corporation of Maine, assignee by mesne assignments.

104,098. WATER-GAGES. Registered April 27, 1915. NATHAN MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed April 27, 1935.

104,206. CERTAIN NAMED MANUFACTURED RUBBER GOODS. Registered May 11, 1915. CONTINENTAL RUBBER WORKS, Erie, Pa., a corporation of Pennsylvania. Renewed May 11, 1935.

104,284. SENSITIZED PHOTOGRAPHIC PAPER. Registered May 11, 1915. EASTMAN KODAK COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 11, 1935.

104,304. CANDIES IN TABLET FORM. Registered May 18, 1915. E. GREENFIELD'S SONS. Renewed May 18, 1935, to E. Greenfield's Sons, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

104,316. CANDY. Registered May 18, 1915. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed May 17, 1935.

104,317. CANDY. Registered May 18, 1915. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed May 18, 1935.

104,404. CERTAIN NAMED MEDICAL AND SURGICAL APPLIANCES. Registered May 25, 1915. VICTOR ELECTRIC COMPANY. Renewed May 25, 1935, to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York, assignee by mesne assignments.

104,427. TOOTH BRUSHES. Registered May 25, 1915. IOJI SEKINE, New York, N. Y. Renewed May 25, 1935.

104,577. OLIVE-OIL. Registered June 1, 1915. SAN ANTONIO DRUG COMPANY, San Antonio, Tex., a corporation of Texas. Renewed June 1, 1935.

104,592. SCREW-WRENCHES AND VISES. Registered June 8, 1915. BONNEY VISE & TOOL WORKS INC., Philadelphia and Allentown, Pa., and New York, N. Y. Renewed June 8, 1935, to Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania, by change of name.

104,622. METAL TRUCKS. Registered June 8, 1915. THE MARKET FORGE COMPANY, Chelsea, Mass. Renewed June 8, 1935, to Louis I. Beckwith, doing business as The Market Forge Company, Everett, Mass., assignee.

104,626. BORING AND DRILLING MACHINES. Registered June 8, 1915. MOLINE TOOL COMPANY, Moline, Ill., a corporation of Illinois. Renewed June 8, 1935.

104,706. DIGESTANTS AND MEDICINAL PREPARATIONS ADAPTED FOR THE TREATMENT OF DYSPEPSIA, INDIGESTION, OR SIMILAR DISEASES. Registered June 15, 1915. BRISTOL-MYERS COMPANY. Renewed June 15, 1935, to Bristol-Myers Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

104,798. BAKING-POWDER. Registered June 15, 1915. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Renewed June 15, 1935.

104,815. TYPE-WRITER RIBBONS AND CARBON-PAPER. Registered June 15, 1915. THE CARTER'S INK COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed June 15, 1935.

104,816. A MONTHLY MAGAZINE. Registered June 15, 1915. C. R. COOK PAINT COMPANY. Renewed June 15, 1935, to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware, successor.

104,924. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered June 29, 1915. AMERICAN DRUG & PRESS ASSOCIATION. Renewed June 29, 1935, to The Meritol Company, Decorah, Iowa, a corporation of Iowa, successor.

104,971. RUBBER MALLETS TYPE-WRITER PLATENS AND RUBBER PRINTING-ROLLS AND PAPER-MACHINE ROLLS. Registered June 29, 1915. CONTINENTAL RUBBER WORKS, Erie, Pa., a corporation of Pennsylvania. Renewed June 29, 1935.

105,089. A TOOTH-PASTE. Registered July 6, 1915. BRISTOL-MYERS COMPANY. Renewed July 6, 1935, to Bristol-Myers Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

105,091. CERTAIN NAMED ELECTRICAL APPARATUS AND SUPPLIES. Registered July 6, 1915. VICTOR ELECTRIC COMPANY. Renewed July 6, 1935, to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York, assignee by mesne assignments.

105,150. DOLLS. Registered July 6, 1915. GEO. BORGFELDT & CO. Renewed July 6, 1935, to Geo. Borgfeldt Corporation, New York, N. Y., a corporation of New York, assignee.

105,157. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered July 6, 1915. MARIE EARLE, New York, N. Y., and Paris, France. Renewed July 6, 1935, to Marie Earle Inc., New York, N. Y., a corporation of New York, assignee.

105,237. COTTON PIECE GOODS. Registered July 13, 1915. LORRAINE MANUFACTURING COMPANY, Saylesville, R. I., and New York, N. Y. Renewed July 13, 1935, to Lorraine Manufacturing Company, Pawtucket and Westerly, R. I., and New York, N. Y., a corporation of Rhode Island.

105,242. COATS, VESTS, TROUSERS, AND OVERCOATS MADE TO ORDER. Registered July 13, 1915. THE UNITED WOOLEN MILLS COMPANY, Parkersburg, W. Va. Renewed July 13, 1935, to The United Woolen Company, Columbus, Ohio, a corporation of Ohio, successor.

105,251. CANDY. Registered July 13, 1915. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1935.

105,322. MUSTARD, MUSTARD CATSUP, SALAD-DRESSING, HORSE-RADISH, AND PICKLES. Registered July 20, 1915. THE OLDS PRODUCTS CO., Chicago, Ill., a corporation of Illinois. Renewed July 20, 1935.

105,404. TESTING-SIEVE SHAKERS. Registered July 20, 1915. THE W. S. TYLER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 20, 1935.

105,426. SOLID FUEL COMPOSED MAINLY OF ALCOHOL. Registered July 20, 1915. S. STERNAU & CO. Renewed July 20, 1935, to Sterno Corporation, New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

105,448. CISTERN AND WELL PUMPS. Registered July 27, 1915. THE O. P. SCHRIVER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 27, 1935.

105,458. LACE EDGINGS AND INSERTIONS AND RIBBONS. Registered July 27, 1915. FRIEDBERGER-AARON MANUFACTURING COMPANY. Renewed July 27, 1935, to J. Willison Smith, James J. Connolly, and Everett H. Brown, Jr., receivers in equity for Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania, by order of the court.

105,459. BRAIDS. Registered July 27, 1915. FRIEDBERGER-AARON MANUFACTURING COMPANY. Renewed July 27, 1935, to J. Willison Smith, James J. Connolly, and Everett H. Brown, Jr., receivers in equity for Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania, by order of the court.

105,479. A SUBSTITUTE FOR THE IODIDS. Registered July 27, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 27, 1935.

105,480. A COMBINATION-TOOL. Registered July 27, 1915. BONNEY VISE & TOOL WORKS INC., Philadelphia and Allentown, Pa. Renewed July 27, 1935, to Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania, by change of name.

105,502. REMEDIES FOR COLDS, HEADACHES, AND LA GRIPPE. Registered July 27, 1915. HOOSIER REMEDY COMPANY, INC., as assignee, by mesne assignments, of Arthur B. Morse. Renewed July 27, 1935, to Hoosier Remedy Company, Inc., Indianapolis, Ind., a corporation of Indiana, assignee, by mesne assignments.

105,535. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered August 3, 1915. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed August 3, 1935.

105,603. CERTAIN NAMED FINISHED LOCOMOTIVE-ENGINE PARTS. Registered August 10, 1915. THE LOCOMOTIVE FINISHED MATERIAL COMPANY, Atchison, Kans., a corporation of Kansas. Renewed August 10, 1935.

105,681. A LIQUID SHAMPOO. Registered August 10, 1915. THE R. L. WATKINS COMPANY, Cleveland, Ohio. Renewed August 10, 1935, to The R. L. Watkins Company, New York, N. Y., a corporation of Ohio.

105,685. A REMEDY FOR RHEUMATIC AFFECTIONS AND NEURALGIAS. Registered August 10, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 10, 1935.

105,714. ADHESIVE PASTE. Registered August 17, 1915. THE CARTER'S INK COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed August 17, 1935.

105,722. CERTAIN NAMED SPORTING SUPPLIES. Registered August 17, 1915. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed August 17, 1935.

105,736. DENTIFRICE AND TOOTH-CLEANING COMPOUND. Registered August 17, 1915. LAVORIS CHEMICAL COMPANY. Renewed August 17, 1935, to The Lavoris Company, Minneapolis, Minn., a corporation of Delaware, assignee.

105,781. WRENCHES. Registered August 17, 1915. BONNEY VISE & TOOL WORKS INC., Philadelphia, Pa.; New York, N. Y.; and Allentown, Pa. Renewed August 17,1935, to Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania, by change of name.

105,787. MUSTARD. Registered August 17, 1915. CHARLES GULDEN. Renewed August 17, 1935, to Charles Gulden, Inc., New York, N. Y., a corporation of New York, assignee.

105,828. ELECTRICITY-METERS, ELECTRIC INDICATORS, ELECTRIC TESTING APPARATUS, AND ELECTRIC RECORDING INSTRUMENTS. Registered August 17, 1915. SANGAMO ELECTRIC COMPANY, Springfield, Ill., a corporation of Illinois. Renewed August 17, 1935.

105,851. ENAMELED METAL SIGNS. Registered August 24, 1915. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Renewed August 24, 1935.

105,854. WHISKY. Registered August 24, 1915. JOHNSTONE SADLER AND COMPANY, LIMITED. Renewed August 24, 1935, to John Walker & Sons, Limited, London, England, a corporation of Great Britain, assignee.

105,918. A CREAM PREPARATION FOR TOILET USE. Registered August 24, 1915. PETRA FOLKMAN, New York, N. Y. Renewed August 24, 1935.

105,920. LINOLEUMS. Registered August 24, 1915. THE NAIRN LINOLEUM CO. Renewed August 24, 1935, to Congoleum-Nairn, Inc., Kearny, N. J., a corporation of New York, assignee.

105,950. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,951. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,952. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,953. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,954. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,955. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered August 31, 1915. BOWERS RUBBER WORKS. Renewed August 31, 1935, to Pioneer Rubber Mills, San Francisco, Calif., a corporation of California, by change of name.

105,969. LAGER-BEER. Registered September 7, 1915. AMERICAN BREWING CO., New Orleans, La., a corporation of Louisiana. Renewed September 7, 1935.

105,996. CERTAIN NAMED GAMES, TOYS, AND SPORTING GOODS. Registered September 14, 1915. CONTINENTAL RUBBER WORKS, Erie, Pa., a corporation of Pennsylvania. Renewed September 14, 1935.

105,997. RUBBER HEELS AND RUBBER GLOVES. Registered September 14, 1915. CONTINENTAL RUBBER WORKS, Erie, Pa., a corporation of Pennsylvania. Renewed September 14, 1935.

106,014. GAMES. Registered September 14, 1915. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass., a corporation of Maine. Renewed September 14, 1935.

LABELS

REGISTERED MAY 7, 1935

45,532.—*Title:* 900. For A Bleaching and Cleaning Solution. OLIVER DORILL BACHAND, Jamestown, N. Y. Published July 1, 1932.

45,533.—*Title:* CARLING'S RED CAP ALE. For Ale. BREWING CORPORATION OF AMERICA, Cleveland, Ohio. Published June 10, 1934.

45,534.—*Title:* CARLING'S OLD PIRATE LAGER BEER. For Lager Beer. BREWING CORPORATION OF AMERICA, Cleveland, Ohio. Published December 13, 1934.

45,535.—*Title:* CARLING'S AMBER CREME ALE. For Ale. BREWING CORPORATION OF AMERICA, Cleveland, Ohio. Published March 11, 1935.

45,536.—*Title:* NUMBER ONE BRAND CHINA RICE. For China Rice. CHINA RICE IMPORTING CO., San Francisco, Calif. Published March 20, 1935.

45,537.—*Title:* GROVEHILL. For Straight Rye Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published March 11, 1935.

45,538.—*Title:* OVEN FRESH TASTY OYSTER CRACKERS. For Oyster Crackers. DAVIDSON BISCUIT COMPANY, Mount Vernon, Ill. Published November 19, 1932.

45,539.—*Title:* WALDORF GOLDEN BOCK LAGER. For Lager. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published March 6, 1935.

45,540.—*Title:* WALDORF GOLDEN BOCK LAGER. For Lager. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published March 1, 1935.

45,541.—*Title:* BELLAIRE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,542.—*Title:* BIG BEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 11, 1935.

45,543.—*Title:* BRANCH SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 27, 1935.

45,544.—*Title:* CRESCENT MODERN VOGUE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,545.—*Title:* FASHION MAID. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 1, 1935.

45,546.—*Title:* FASHIONABLE STOUTS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 4, 1935.

45,547.—*Title:* FOOT-TRUE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,548.—*Title:* LADY BEAUTIFUL. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,549.—*Title:* RIO RITA. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,550.—*Title:* SANDRA. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 6, 1935.

45,551.—*Title:* SLAX. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 18, 1935.

45,552.—*Title:* SMART SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 11, 1935.

45,553.—*Title:* SWITZER WITZER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 25, 1935.

45,554.—*Title:* WALK-O-PEDIC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 11, 1935.

45,555.—*Title:* MINER'S QUALITY — ALWAYS FRESH. For Vacuum Packed California Seedless Raisins. A. R. MINER, doing business as Miner Products Co., Fowler, Calif. Published January 2, 1935.

45,556.—*Title:* OUR CUSTOM FINISHED SHIRT. For Shirts. LELAND R. MORSE, Chicago, Ill. Published December 31, 1934.

45,557.—*Title:* THE FAMILY PULLMAN LOAF. For Bread. RICHTER'S BAKERY, San Antonio, Tex. Published December 20, 1934.

45,558.—*Title:* SOUTHLAND READIMIX. For Mixed Feed for Stock. SOUTHLAND COTTON OIL COMPANY, Jackson, Miss. Published March 15, 1935.

45,559.—*Title:* SOMOLA. For Salad and Cooking Vegetable Oil. SUFFOLK OIL MILL, INCORPORATED, Suffolk, Va. Published March 1, 1935.

45,560.—*Title:* GOWRIE BRAND CREAMERY BUTTER (No. 248 O—S). For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published January 2, 1935.

45,561.—*Title:* ICE CREAM (No. 482 A—P—D—F). For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published January 2, 1935.

45,562.—*Title:* ICE CREAM (No. 483 A—P). For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published January 14, 1935.

45,563.—*Title:* ICE CREAM (No. 480 P—D—F). For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published January 2, 1935.

45,564.—*Title:* BUTTER (No. 249). For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published December 31, 1934.

45,565.—*Title:* BIG-TIME FOOTBALL GAME. For a Game. RICHARD E. VEAZEY, New Orleans, La. Published October 15, 1934.

45,566.—*Title:* VINCO. For a Powder Used as a Boiler Cleanser. THE VINCO COMPANY, INC., New York, N. Y. Published March 9, 1935.

PRINTS

REGISTERED MAY 7, 1935

15,125.—*Title:* EVERY DAY HE BURNS UP AS MUCH ENERGY AS A BOXING CHAMPION! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published February 5, 1935.

15,126.—*Title:* ANESTEX LOCAL ANESTHETIC CONTAINING PROCAINE IN COMBINATION WITH FRUIT ACIDS AS TARTACAINE-CITROCAINE MALICAINE AND EPINEPHRINE. For Local Anesthetic. DAVID CURTIS, doing business as Anestex Laboratories (De-Ce Products Co. of N. Y.), New York, N. Y. Published March 21, 1935.

15,127.—*Title:* EVER READY WALL-AN-DESK CATALOG NO. 5. For Trusses, Abdominal Supports, Shoulder Braces, and Elastic Hosiery. L. A. FRITSCH, Cincinnati, Ohio. Published December 1, 1934.

15,128.—*Title:* A TRICK YOUR MOTHER-IN-LAW DOESN'T KNOW ABOUT MUFFINS. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published March 10, 1935.

15,129.—*Title:* WHEN YOUR CHILD BEGINS TO "HATE" HIS CEREAL HERE'S THE THING TO DO. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published March 10, 1935.

15,130.—*Title:* A BLACK PANTHER ISN'T HALF AS TREACHEROUS AS A BLOW-OUT! (Ad. GBC-46.) For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published March 23, 1935.

15,131.—*Title:* THE OFFICIAL AMERICAN LEGION UNIFORM. For American Legion Uniforms. HAYMARKET CLOTHING COMPANY, Boston, Mass. Published September 5, 1933.

15,132.—*Title:* WINGS OF A CENTURY. For Automobiles. CHARLES S. HENSHAW, Boston, Mass. Published January 18, 1935.

15,133.—*Title:* FLIGHT. For Silver Plated Flat Ware. NATIONAL SILVER COMPANY, New York, N. Y. Published January 30, 1935.

15,134.—*Title:* SEARLE GRAPHOID MOTOR OIL. For Motor Oil. SEARLE PETROLEUM COMPANY, Omaha, Nebr. Published November 15, 1934.

15,135.—*Title:* SEARLE GRAPHOID FLUID GEAR LUBRICANT. For Fluid Gear Lubricants. SEARLE PETROLEUM COMPANY, Omaha, Nebr. Published November 15, 1934.

15,136.—*Title:* A GARMENT FOR EVERY FIGURE. For Corsets. VOGUE MFG. CO., Newark, N. J. Published January 15, 1934.

REISSUES

MAY 7, 1935

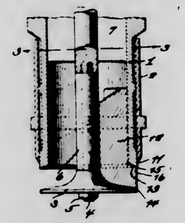
19,557

ATTACHMENT FOR DOUGHNUT CUTTING AND COOKING MACHINES

John Baumann, Philadelphia, Pa.

Original No. 1,670,230, dated May 15, 1928, Serial No. 206,717, July 18, 1927. Application for reissue September 22, 1930, Serial No. 483,733

4 Claims. (Cl. 107—14)



1. The combination with a doughnut cutting machine having an annular channel in which the dough is shaped into ring form and means for forcing the dough through said channel, of means for radially splitting the ring.

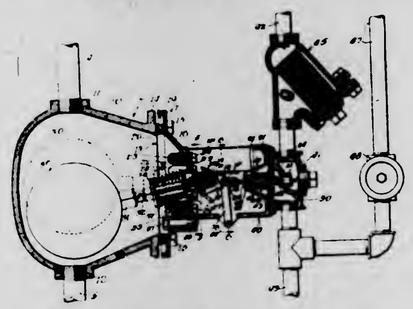
19,558

BOILER FEED CONTROL

Oscar F. Carison, Chicago, Ill., assignor of one-half to Oscar F. Carison Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.

Original No. 1,934,486, dated November 7, 1933, Serial No. 513,485, February 5, 1931. Application for reissue May 9, 1934, Serial No. 724,769

39 Claims. (Cl. 137—101)



1. A float controlled boiler feed regulator comprising, in combination, a float housing having an inlet and an outlet, a closure for the housing, a float arm pivoted to said closure and having a portion extending into the float housing with a float thereon, and a portion extending outside said closure, a second housing secured to the first housing and enclosing the outer end of the float arm, means effecting a liquid tight seal between said first and second housings, a third housing secured to the second housing and provided with fluid flow control means, means operatively connecting the outer end of said float arm and said control means whereby the position of the float governs the operation of said control means, and sealing means between said second and third housings.

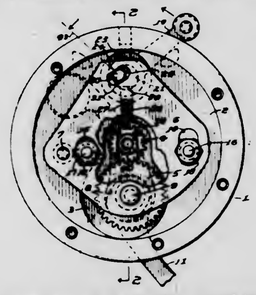
19,559

FISHING REEL

Clarence A. Godshalk, Ardmore, and Frederick Henke and David Behrsing, Philadelphia, Pa., assignors, by mesne assignments, to Ocean City Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania

Original No. 1,904,992, dated April 25, 1933, Serial No. 608,600, May 2, 1932. Application for reissue January 27, 1934, Serial No. 708,706

8 Claims. (Cl. 242—84.7)



1. In a free spool reel, the combination of a reel head, a spool spindle, one end of which is journaled in said head, a pinion fixed on said spindle, a driving gear, an oscillatory member mounted on the outer side of said head to oscillate, and movable back and forth in a fixed path, connections between said member and said driving gear to move said gear toward the axis of said pinion into mesh with said pinion when said oscillatory member is moved to one limit of its motion, and to move said driving gear away from the axis of said pinion and out of mesh with said pinion when said oscillatory member is moved to the other limit of its motion, and resilient means on said reel head to yieldingly hold said member at the limits of its motion in either direction, and operative, when said member is manually moved toward one of said limits beyond a point substantially midway between said limit, to automatically throw said member to that limit of its travel toward which it was being manually moved.

19,560

ELECTROPROCESSING MACHINE

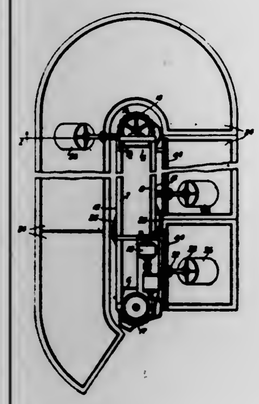
Albert H. Hannon, Springfield, Ohio

Original No. 1,895,622, dated January 31, 1933, Serial No. 523,007, March 16, 1931. Application for reissue March 24, 1933, Serial No. 662,522

14 Claims. (Cl. 204—5)

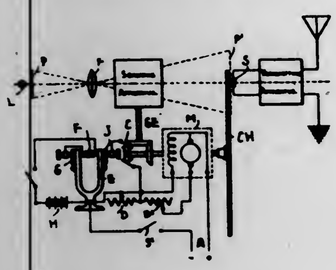
10. In an electroprocessing machine, a solution tank, an inclined shaft, means for supporting the inclined shaft and moving the same along the tank, a hollow tumbling receptacle removably mounted on the end of the shaft for holding loose

pieces for being plated, and means for lowering and raising the shaft as it is moved along to dip



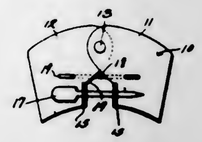
the receptacle into the solution in the tank and to lift the same over the ends of the tank.

19,561
PICTURE TRANSMISSION
Charles Francis Jenkins, Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Original No. 1,693,506, dated November 27, 1928, Serial No. 130,282, August 19, 1926. Application for reissue July 30, 1930, Serial No. 471,860
5 Claims. (Cl. 178—69.5)



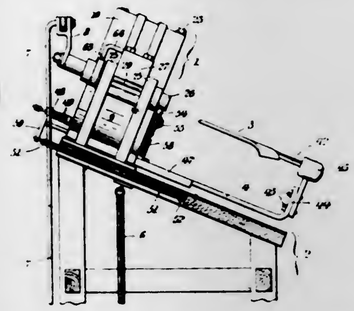
1. The method of transmitting and receiving pictures which comprises, scanning the successive elementary areas of the picture to produce light variations, interrupting the light variations at a rate proportional to the rate of scanning to produce a synchronizing signal, modulating a carrier current in accordance with said interrupted light variations, transmitting the modulated current to a receiving station, causing a light distributor to traverse a picture receiving surface at a rate proportional to the rate of interruption of the light variations, modulating the light of the distributor in accordance therewith, generating at the receiving station a synchronizing signal of audio frequency bearing a definite relation to the light distributor, and transmitting the two synchronizing signals to a single sound producing instrument.

19,562
MASK FOR FOWLS
Jacob Jones, Woodinville, Wash., assignor of forty-nine per cent to J. Clayton Cridlebaugh, Woodinville, Wash.
Original No. 1,962,395, dated June 12, 1934, Serial No. 650,721, January 7, 1933. Application for reissue July 12, 1934, Serial No. 734,857
11 Claims. (Cl. 119—97)



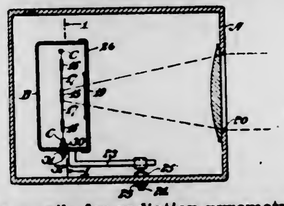
8. A mask for fowls comprising a member to be positioned upon the beak of a fowl and normally extending upwardly therefrom, said member having portions to lap the side portions of the beak at the rear part thereof, and a pivot member extending through said lapped portions and the beak of the fowl.

19,563
PRESSING MACHINE
Edward V. McTague, Millville, N. J., assignor to The Convertible Duplex Die Corporation, Millville, N. J., a corporation of New Jersey
Original No. 1,890,882, dated December 13, 1932, Serial No. 603,692, April 7, 1932. Application for reissue June 12, 1933, Serial No. 675,496
13 Claims. (Cl. 223—55)



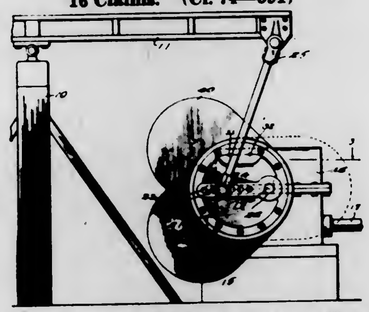
13. In a garment point forming machine, a bed, walls extending transversely to the plane of the bed and forming a recess adapted to confine and substantially abut the edges of a garment point positioned therein and confine the same to a predetermined shape, means for positioning a garment point within said recess, means for applying heat to a garment point positioned in said recess, and means for applying pressure to said garment point, said latter means including a die holder mounted for vertical movement relative to the bed, and a die mounted for rotation therein about an axis substantially parallel to the plane of the bed thereby to adjust itself to the garment point to be formed.

19,564
THERMOPILE
John F. Quereau, Barren Hill, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Original No. 1,988,858, dated January 22, 1935, Serial No. 527,035, April 1, 1931. Application for reissue March 9, 1935, Serial No. 10,328
11 Claims. (Cl. 136—4)



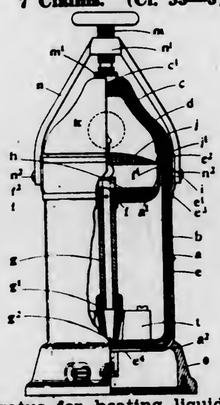
1. A thermopile for radiation pyrometry whose components comprise a plurality of pairs of hot and cold thermo-junctions, and means for thermally and electrically connecting said hot and cold junctions, said components being so constructed and arranged that the loss of heat by radiation from the hot junctions is so proportioned with respect to the other losses of heat therefrom that for any given radiant heat input to the hot junctions the resulting temperature difference between the hot and cold junctions at different ambient temperatures is such that the output voltage of the thermopile is substantially constant at said given radiant heat input at said different ambient temperatures.

19,565
COUNTERBALANCE FOR WELL PUMPS
Alva L. Skinner, Bridgeport, Ill., assignor to the Ohio Oil Company, Findlay, Ohio, a corporation of Ohio
Original No. 1,868,028, dated July 19, 1932, Serial No. 429,168, February 17, 1930, refiled for abandoned application Serial No. 322,467, November 28, 1928. Application for reissue July 14, 1934, Serial No. 735,270
16 Claims. (Cl. 74—591)



11. In a counterbalance for deep well pumping devices, a shaft, an eccentric on said shaft, a counterbalance weight mounted on the eccentric for rotation around the eccentric, means for rotating the weight entirely around the eccentric, and means for operating said rotating means.

19,566
WATER HEATING AND INFUSION APPARATUS
Aurelio Valls, London, England
Original No. 1,981,402, dated November 20, 1934, Serial No. 708,262, January 25, 1934. Application for reissue February 27, 1935, Serial No. 8,512. In Great Britain January 26, 1933
7 Claims. (Cl. 53—3)



1. Apparatus for heating liquids, more especially for preparing infusions, such as of coffee, comprising a liquid container which is electrically non-conducting at least exteriorly, a closure for the container, a plurality of electrodes in the bottom of the container, in contact with the liquid, for heating the liquid by its resistance to the electrolytic conduction of current, and a vertically disposed, liquid elevating tube insulated from the electrodes and having its lower end close to and between them.

19,567
METHOD OF FORMING ELECTRICAL HEATING ELEMENTS
Edwin L. Wiegand, Pittsburgh, Pa.
Original No. 1,903,604, dated April 11, 1933, Serial No. 329,630, December 31, 1928. Application for reissue May 12, 1934, Serial No. 725,392
13 Claims. (Cl. 201—67)



8. The method of making resistor heating elements of the character described, in which the resistor is in the form of a relatively delicate resistance wire, which comprises holding the resistor against displacement, pouring refractory insulating material loosely over and about the resistor, and mechanically compacting the loose insulating material to fix the same about the resistor wire.

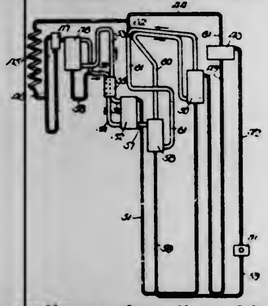
PATENTS

GRANTED MAY 7, 1935

2,000,004
INSECT REPELLENT
Elmer W. Adams, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 28, 1931, Serial No. 559,590
5 Claims. (Cl. 167—30)

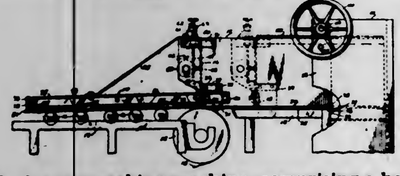
1. An insectifuge comprising a mineral oil solution of an alkyl benzoate, wherein said alkyl group contains from one to six carbon atoms.

2,000,005
CONTINUOUS ABSORPTION REFRIGERATION
Edmund Altenkirch, Neuenhagen, near Berlin, Germany, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original application November 27, 1929, Serial No. 410,628. Divided and this application October 3, 1933, Serial No. 692,373. In Germany November 30, 1928
9 Claims. (Cl. 62—119.5)



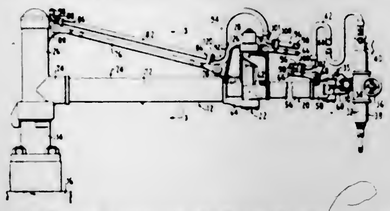
2. In a continuous absorption refrigerating system, the combination with an absorber, a boiler and means for circulating absorption liquid therebetween, of means for lowering the concentration of the absorption liquid as it passes from the boiler to the absorber and for raising the concentration of the absorption liquid as it passes from the absorber back to the boiler, said means comprising an auxiliary boiler, an auxiliary absorber and means for circulating inert gas between the auxiliary boiler and the auxiliary absorber to transfer refrigerant from the auxiliary boiler to the auxiliary absorber.

2,000,006
PAPER MAKING MACHINE
Samuel Amantea, Niagara Falls, N. Y.
Application November 12, 1934, Serial No. 752,643
15 Claims. (Cl. 92—44)



1. A paper making machine, comprising a head box, a movable outlet box in telescoped relation with the head box, and means for moving the outlet box into the head box.

2,000,007
TORCH CUTTING OR WELDING APPARATUS
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1933, Serial No. 700,949
11 Claims. (Cl. 266—23)



1. In a torch cutting or welding machine having a jointed arm for supporting a torch for universal movement in a plane, a conduit for supplying gas to the torch, said conduit including a section connected by brackets to each link of the jointed arm to move as a unit with the link, and a flexible portion at the joint connecting the sections carried by the respective links of the jointed arm.

2,000,008
DISPENSER
Cesare Barbieri, New York, N. Y., assignor to Vortex Cup Company, Chicago, Ill., a corporation of Delaware
Application June 5, 1933, Serial No. 674,353
13 Claims. (Cl. 312—44)

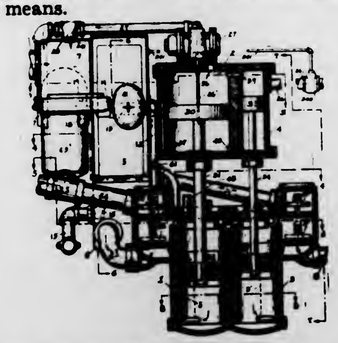


11. In a dispenser of the character described, an escapement mechanism for delivering peripherally flanged cups from a stack, said mechanism including a member shaped to extend between the flanges of adjacent cups of the stack and cause a separation of the lower cup from the upper when the member is moved, said member being bodily movable circumferentially relatively to the cups of said stack, and actuating means for said member.

2,000,009
FEED WATER HEATER FOR LOCOMOTIVES, ETC.
Edmund H. Blunt, Brooklyn, N. Y.
Application October 27, 1928, Serial No. 315,579
Renewed July 19, 1934
16 Claims. (Cl. 122—442)

1. In an open type feedwater heater, a steam heated vessel, cold water supply means and hot water removal means, an excess cold water return means, a deficit hot water return means, and

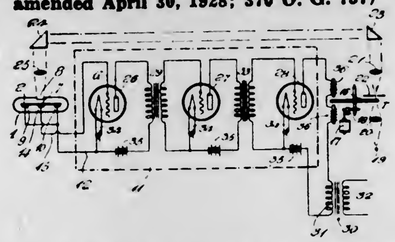
common water level control means for influencing the excess return means and the deficit return means.



5. In a feedwater heater, a heating vessel, a main steam supply means for normally heating the same, auxiliary exhaust steam supply means connected both to the vessel and to the atmosphere, said vessel connections including an admission valve having adjustable means that keeps said valve open to the vessel when the pressure within the vessel is nearly atmospheric, while a greater increase in the vessel pressure tends to close said valve.

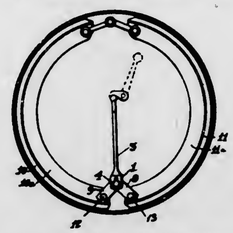
9. Boiler feed water heater apparatus comprising a heater vessel, a pump with connections for forcing hot water from said vessel to a boiler and protective means interposed between the pump and the boiler for preventing shocks due to the pump action without introducing air into the system, said protective means comprising a cylinder connected at one end only to the pump discharge and connected at the other end to the boiler, piston means operable in the cylinder and a one-way check valve interposed between the cylinder and the boiler for permitting steam pressure from the boiler to be applied to the piston means and preventing escape of steam from the cylinder, so as to cushion the action of the piston means under pressure of the pump.

2,000,010
OSCILLATION SYSTEM
Ward E. Bower, Washington, D. C.
Application June 22, 1932, Serial No. 618,777
16 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. The method of operating a rectangular parallelepipedal piezo electric crystal at the frequency determined by its free transverse oscillation characteristics which comprises impressing a light beam on to a part only of one of the faces of said crystal in such a way as to transversely stress said crystal and generate electric charges therealong which vary in value longitudinally thereof and utilizing the electric charges generated along said crystal to concomitantly control the value of the light flux impressed upon said crystal in such phase with the deformation thereof as to cause said crystal to oscillate at its free transverse oscillation frequency.

2,000,011
BRAKE SHOE EXPANDER
Fred V. Clancy, San Jose, Calif.
Application July 2, 1934, Serial No. 733,461
1 Claim. (Cl. 188—78)



An expander adapted to be inserted between the opposing ends of a pair of brake shoes on a vehicle and to be actuated by a push-rod cooperating therewith and comprising, a yoke having a hole formed in its head to slidably receive the adjacent end of the said rod, a pin passing transversely through the side portions of said yoke, arms pivotally mounted on the pin within the yoke and means for connecting the same to the adjacent ends of the said shoes, and a plate mounted in the yoke and inserted between the push-rod and said arms.

2,000,012
COMBINATION WRENCH AND PLIERS
Ernest Cullen, San Diego, Calif., assignor to John B. Smiley, Los Angeles, Calif.
Application December 22, 1932, Serial No. 648,459
10 Claims. (Cl. 7—3)



1. A combination tool comprising a pair of pliers consisting of pivotally connected jaw members, each having teeth at the outer side of its jaw portions, and a flexible member extending around said teeth and attachable at its opposite end portions to the opposite sides of the pliers and outer sides of said jaw portions for coacting with the teeth for gripping a pipe.

2,000,013

METHOD OF PRODUCING ARTIFICIAL STRAW AND PRODUCT THEREOF

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 5, 1931, Serial No. 573,292
12 Claims. (Cl. 18—48)

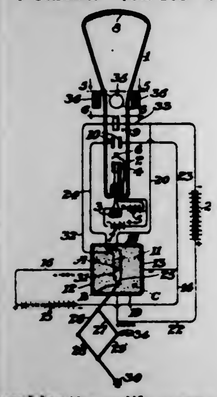
1. Method of producing dull artificial straw or like products of flattened cross section, which comprises causing a plurality of filamentary products, containing a plastic material and also a volatile liquid which is a solvent for at least part of the material of which the products are composed, to coalesce by the application of pressure at a temperature substantially above the boiling point of said volatile liquid.

2,000,014

TELAUTOGRAPH

Allen B. Du Mont, Upper Montclair, N. J.

Application May 31, 1932, Serial No. 614,347
7 Claims. (Cl. 178—18)



1. The combination with means for generating cathode rays, of a fluorescent and phosphorescent screen and means angularly displaced about the path of said rays for relatively deflecting said rays and screen, a pair of plates of resistance material respectively controlling angularly displaced ray deflecting means by respectively varying the potentials applied thereto, contacts between said plates and respectively bearing against the same and adapted to be moved in any direction between said plates, said contacts being mechanically secured together but insulated from each other and means for electrically connecting said contacts with ray deflecting means angularly displaced about the ray path and means for impressing potentials respectively upon the angularly displaced ray deflecting means.

2,000,015

SAFETY ARROW RELEASE DEVICE FOR BOWS IN ARCHERY

Godfrey Flury, Austin, Tex.

Application October 3, 1933, Serial No. 691,906
6 Claims. (Cl. 272—107.5)

1. A safety arrow release for bows and arrows in archery, comprising a pair of pivoted jaws adapted to grip and hold the arrow and the string of an archer's bow and arrow, and rearwardly extending handles on said jaws, one of said handles being shaped to fit in the palm of the hand of the archer, and the other of said handles being shaped so that the fingers may engage over the



edge and against the outer face so that the handles may be conveniently pressed together, said handles being substantially at right angles to each other when in gripping position.

2,000,016

MULTIPLE FUSE DEVICE

William H. Frank, Joseph A. Messing, and Harrison J. L. Frank, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application April 19, 1933, Serial No. 666,786
17 Claims. (Cl. 200—126)



11. In a multiple fuse device, a fuse carrier comprising a substantially flat disc-like body of insulating material, and circumferentially spaced fuses projecting thru the body from side to side thereof and having exposed contact ends on the flat sides of the disc-like body, the body having a plurality of explosion chambers, one for that part of each fuse that is in the body, the chambers communicating with a center hole in the body that acts as an explosion manifold, and a hollow center-axis hub rotatably supporting said disc-like body, the interior of the center hole communicating with the interior of the hub.

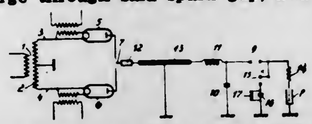
2,000,017

ELECTRICAL CLEANING OF FLUIDS

Richard Heinrich, Berlin-Sudende, and Wilhelm Feldmann, Berlin-Spandau, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application April 4, 1931, Serial No. 527,690
In Germany April 5, 1930
12 Claims. (Cl. 183—7)

1. An arrangement for electrical cleaning of fluids, comprising in combination with an electric cleaning apparatus for said fluid having opposing electrodes, a generator for producing high voltage uni-directional current, a conductor between said generator and the high potential electrode of said cleaning apparatus, a spark gap inserted into said conductor in such manner as to prevent flow of current from said generator to said high potential electrode otherwise than by discharge through said spark gap, and an im-



pulse condenser connected at one terminal to the other electrode of said cleaning apparatus and at the other terminal to said conductor between the spark gap and the generator, for applying sharp electrical impulses through said spark gap to said high potential electrode at intervals, constituting a large multiple of the impulse durations.

2,000,018

METHOD FOR THE SEPARATION OF EMULSIONS BY ELECTRICAL ACTION

Richard Heinrich, Berlin-Sudende, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

No Drawing. Application November 30, 1931, Serial No. 578,215. In Germany December 5, 1930
3 Claims. (Cl. 204—24)

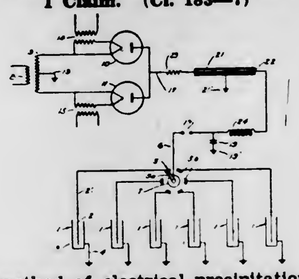
1. A method of separating emulsions, for example of oil and water, by means of uni-directional current, consisting in supplying the electrodes of the separating apparatus with distinctly separate high voltage impulse discharges of a duration of not more than about 10^{-6} seconds at time intervals of at least ten times the duration of a voltage impulse, during which time intervals the supply of electric energy to the electrodes is substantially interrupted.

2,000,019

ART OF ELECTRICAL PRECIPITATION

Richard Heinrich, Berlin-Sudende, and Wilhelm Feldmann, Berlin-Spandau, Germany, assignors to International Precipitation Company, Los Angeles, Calif., a corporation of California

Application December 3, 1931, Serial No. 578,830
In Germany December 16, 1930
1 Claim. (Cl. 183—7)



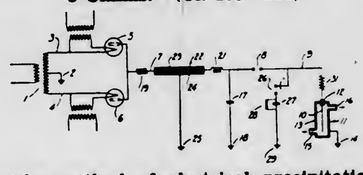
The method of electrical precipitation which consists in storing electric energy in a condenser in connection with a park gap until the spark potential of said gap is reached, thereby delivering a high voltage impulse through said spark gap, repeating said operations so as to produce a succession of such impulses, and applying such high voltage impulses to energize successively, one at a time, a plurality of electrical fields containing gases carrying suspended material so as to effect electrical precipitation by the action of said electrical fields.

2,000,020

METHOD OF ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES

Richard Heinrich, Berlin-Sudende, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California

Application May 26, 1932, Serial No. 613,783
In Germany June 2, 1931
8 Claims. (Cl. 183—114)



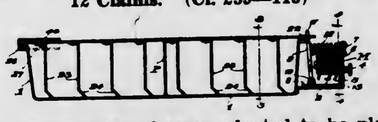
1. The method of electrical precipitation of suspended particles from gases which comprises producing unidirectional electrical energy at high voltage, storing said energy in a condenser, intermittently discharging energy from said condenser in an electrical field between opposing discharge and collecting electrodes to provide a series of short unidirectional high potential electrical impulses of steep wave front and sharp peak, substantially interrupting the supply of electrical energy from said condenser to said electrodes for a relatively long period between each impulse and the next succeeding impulse, and passing gas containing suspended particles through said electrical field so as to subject the same to said electrical impulses and thereby causing precipitation of said suspended particles upon said collecting electrode, the peak voltage of each of said impulses being at least 30% greater than the voltage which could be maintained through said gas between said electrodes if said electrodes were energized by impulses of ordinary commercial frequency, and the duration of each of said impulses being sufficiently short to substantially prevent formation of an arc discharge between said electrodes.

2,000,021

ICE CREAM FREEZER

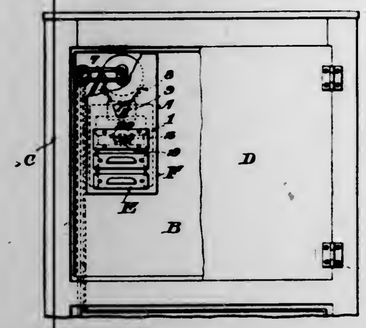
Charles T. Hoffman and Emory L. Groff, Washington, D. C., assignors to Emory L. Groff, as trustee

Application November 7, 1930, Serial No. 494,154
12 Claims. (Cl. 259—113)



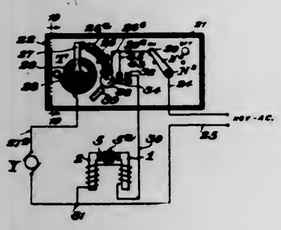
1. An ice cream freezer adapted to be placed in a refrigerator compartment including a container adapted to be inserted in and removed from said compartment, an electro-mechanical actuator carried by the container, agitating means within the container operatively connected with said actuator, a constant source of electrical current, means for changing said current from the constant source to an intermittent current, and an electrical connection between said electro-mechanical actuator and said means for changing the constant current to intermittent current.

2,000,022
ICE CREAM FREEZER
Charles Thomas Hoffman, Washington, D. C., assignor, by direct and mesne assignments, to Emory L. Greff, as trustee
Application July 22, 1931, Serial No. 552,503
20 Claims. (Cl. 62—116)



1. An ice cream freezer including a freezing pan, dasher means therein, and a synchronous motor for operating said dasher means, said synchronous motor including an electro-magnet comprising a relatively fixed part and a detachable part carried by the pan, the rotor of the motor also being carried by the pan.

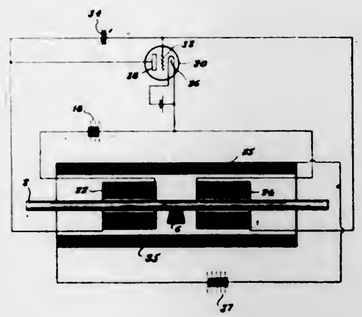
2,000,023
ICE CREAM FREEZER FOR REFRIGERATORS
Charles T. Hoffman, Washington, D. C., assignor, by direct and mesne assignments, to Emory L. Greff, as trustee
Application July 11, 1932, Serial No. 621,988
16 Claims. (Cl. 62—116)



1. In a refrigerator having an evaporator provided with pan compartments, a face plate for the evaporator, electromagnets fitted to the face plate at a pan compartment location of the evaporator, a pan for the mixture to be frozen adapted to be inserted in one of said compartments, a rotor and divided pole pieces carried by said pan, said pole pieces being adapted to contact with the electromagnets.

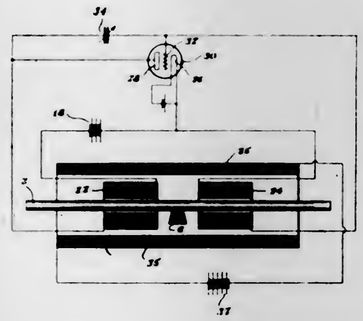
2,000,024
VIBRATOR
John McDonald Ide, Cambridge, Mass.
Application September 14, 1933, Serial No. 689,493
9 Claims. (Cl. 175—21)

1. A magnetostrictive vibrator having a substantially constant frequency with variations of temperature and constituted of cobalt, nickel



and iron with a properly chosen magnetic polarizing field.

2,000,025
VIBRATOR
John McDonald Ide, Cambridge, Mass.
Application September 16, 1933, Serial No. 689,784
16 Claims. (Cl. 175—21)

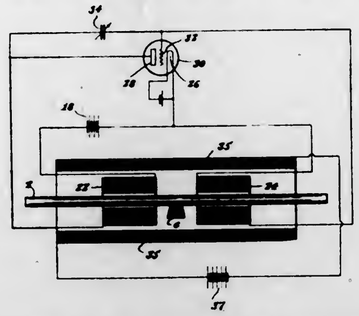


1. A vibrator having a substantially constant frequency with variations of temperature, and constituted of an alloy having about 8 to 10 parts chromium, 36 to 40 parts nickel, and the balance iron with a small addition of another substance or substances, and a coil cooperatively related to the vibrator, the relation between the coil and the vibrator being such that the current flowing through the coil is subjected to the reaction of the vibrator at a frequency which resonates with the vibrator.

2,000,026
VIBRATOR
John McDonald Ide, Cambridge, Mass.
Original application September 14, 1933, Serial No. 689,493. Divided and this application June 14, 1934, Serial No. 730,566
4 Claims. (Cl. 175—338)

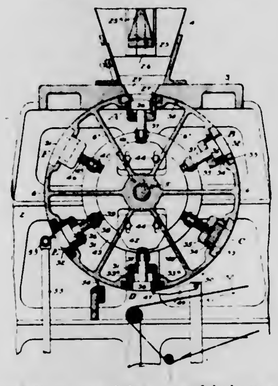
1. A vibrator having a substantially constant frequency with variations of temperature and constituted of cobalt, chromium, nickel and iron, and a coil cooperatively related to the vibrator, the

relation between the coil and the vibrator being such that the current flowing through the coil



is subjected to the reaction of the vibrator at a frequency which resonates with the vibrator.

2,000,027
MOLDING MACHINE
John G. Kazanjian, Naugatuck, Conn., assignor to Peter Paul Incorporated, Naugatuck, Conn., a corporation of Connecticut
Application November 13, 1929, Serial No. 406,797
Renewed July 14, 1932
11 Claims. (Cl. 107—8)

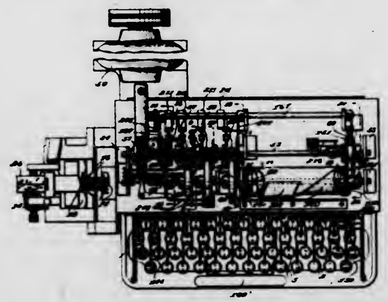


1. A molding machine combining a frame; a matrix carier supported thereby, said carrier being provided with a removable section; retaining means comprising a stud for said section, one or more molding compartments formed in said section; and ejecting mechanism for said molding compartments, said ejecting mechanism and said section being removable as a unit by the removal of said retaining means.

2,000,028
COMPOUNDING OF RUBBER, ETC.
Robert J. King and Elizabeth C. King, Stamford, Conn., assignors to The Robert J. King Company, Inc., Stamford, Conn., a corporation of Connecticut
No Drawing. Application December 20, 1932, Serial No. 648,084
25 Claims. (Cl 106—23)

1. An improved thermo-plasticizing composition for use in the compounding of rubber, said composition being a liquid composition made up for the most part of a hydrocarbon solvent of rubber which is substantially non-volatile at the usual temperatures of rubber compounding and vulcanizing, said solvent having dissolved therein an oil-soluble sulfonated product as an activator, said composition acting on unmasticated rubber to enable the rubber to be readily plasticized and made ready for compounding substantially without preliminary mastication and with an important saving in time and power required.

2,000,029
KEYBOARD PERFORATOR AND COUNTER
Edward E. Kleinschmidt, Park Ridge, and Louis M. Potts, Evanston, Ill., assignors, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill., a corporation of Delaware
Application September 4, 1929, Serial No. 390,352
33 Claims. (Cl. 164—112)



1. In a keyboard perforator, a perforating mechanism, a magnet adapted to operate the perforating mechanism, a plurality of contacts, any one of which is adapted to control the energization of said magnet, a group of keys corresponding to one kind of operation, a second group of keys corresponding to a different kind of operation, one of said contacts corresponding to one group of keys and controlled thereby and another of said contacts corresponding to the second group of keys and controlled thereby.

2,000,030
COVERING FOR SURFACES EXPOSED TO THE WEATHER
George Knapp, St. Louis County, Mo., assignor to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland
Application November 29, 1930, Serial No. 498,993
Renewed July 31, 1934
10 Claims. (Cl. 20—5)

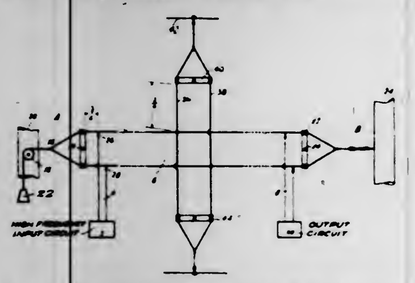


1. A protective covering for buildings comprising a sheet having a coating thereon in which is formed a groove to simulate the longitudinal joint of masonry and having a cut in the sheet to simulate a transverse joint of masonry, and surfacing material embedded in the coating to simulate the masonry surface, said groove and said cut demarking upon the strip a masonry unit and joints adjacent thereto.

2,000,031
COMPOSITION OF MATTER, ETC.
Leon H. Larsen, Norwalk, Conn., assignor to R. T. Vanderbilt Co. Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1932, Serial No. 604,651
9 Claims. (Cl. 134—18)

1. A new composition comprising an intimately admixed dry mixture of lime, alum and titanium oxide, the proportions of lime and alum being such that they will react to form a gelatinous precipitate when added to water which will coat and disperse the particles of titanium oxide, and the titanium oxide being in such proportions as to impart opacity to the product of such reaction, after use and drying as a coating and filling material, said composition being adapted, when added to an amount of water approximating that of the composition to form a product which, when the reaction is completed, will be of a plastic or pasty consistency, and said reaction mixture being adapted for use as a coating material and as a filling material for paper manufacture.

2,000,032
TRANSMISSION LINE
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1930, Serial No. 463,610
13 Claims. (Cl. 178—44)



9. In combination, a two wire transmission line supported at least at one end thereof, a short circuit connection across said transmission line at said one end, and high frequency apparatus connected across said transmission line at points approximately one quarter wave length from said short circuit connection, said short circuit connection being substantially a voltage nodal point at which said line is supported.

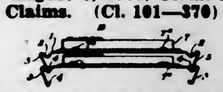
2,000,033
PROCESS FOR THE MANUFACTURE OF THIOINDIGO DYES
Herbert August Lubs and John Elton Cole, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1932, Serial No. 634,421
24 Claims. (Cl. 260—53)

1. In the process of preparing thioindigo dyes, the steps which comprise diazotizing an ortho-amino-aryl-thioglycollic acid in aqueous solution, neutralizing the solution, treating the solution with sodium cuprous cyanide solution to convert the diazo compound to the nitrile and then treating the resulting reaction mass with an alkali metal sulfide.

2,000,034
PROCESS FOR THE MANUFACTURE OF CERTAIN PARA-N-SEC-ALKYLAMINO-PHENOLS AND OTHER SUBSTITUTED PHENOLS AND THEIR SALTS
Randolph T. Major, Westfield, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 30, 1931, Serial No. 554,075
8 Claims. (Cl. 260—128)

6. In the process of making para-N-sec-alkylaminophenols with the chemical formula $p\text{-}RR'CHNHC_6H_4OH$, in which R and R' are alkyl radicals, the step of reducing the reaction product of p-aminophenol and an aliphatic ketone with the formula RR'CO in which R and R' have the connotation as above, by hydrogen with the aid of a metal hydrogenation catalyst.

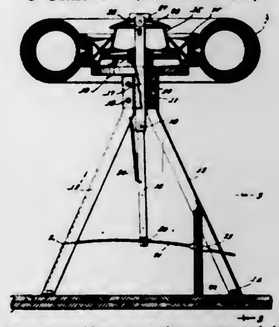
2,000,035
TYPE RETAINING PLATE
Frank H. Poeppelmeier, Dayton, Ohio, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio, a corporation of Delaware
Application August 6, 1931, Serial No. 555,635
11 Claims. (Cl. 101—370)



1. A type retaining means comprising a plate, a plurality of type channels, bottom flanges on said type channels at one end thereof, a tab at one side of the outer surface of said plate beneath which the flanges on said type channels are inserted, leaving their flanged ends open to receive type, and a flanged projection on said plate, closing the other ends of said type channels and cooperating with the tab in firmly securing the channels to the plate.

8. A type receiving means comprising a plate, having means for carrying type lines, said plate being formed with grooves in its top surface, one on each side of, and at right angles to, the type lines, the side portions of said plate beyond the grooves inclining downwardly and inwardly, to a region a considerable distance below the grooved portions of the plate, and reinforcing flanges turned upwardly from the lower edges of said downwardly and inwardly inclined sides for the purpose specified.

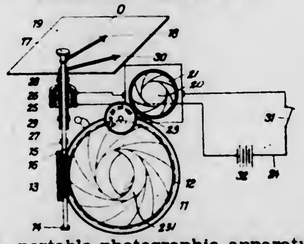
2,000,036
TIRE MOUNTING MACHINE
O. H. Renfro, South Gate, Calif.
Application May 31, 1933, Serial No. 673,676
5 Claims. (Cl. 144—288)



1. A tire mounting macine comprising means providing a surface against which a wheel may

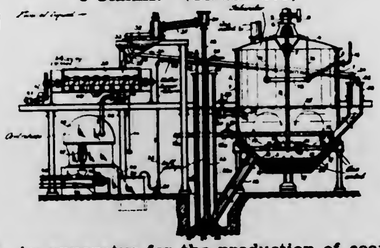
be positioned, means movable through the surface adapted to be extended through the hub of the wheel, a spanning means adapted to be connected to said movable means and caused thereby to press the wheel against the surface, means for imposing a tension upon the movable means including a bendable lever, and means for releasably holding the lever depressed.

2,000,037
APPARATUS FOR AUTOMATICALLY DETERMINING THE EXPOSURE IN PHOTOGRAPHIC APPARATUS
Ödön Rissdorfer, Budapest, Hungary
Application January 28, 1931, Serial No. 511,832
12 Claims. (Cl. 88—23)



1. In a portable photographic apparatus having an objective and two exposure controlling devices, viz., a shutter and a diaphragm for controlling the quantity of light passing through said objective, means for determining the correct exposure, comprising in combination a photoelectric cell having an adjustable diaphragm for varying the quantity of light passing to the cell, two indicating members, one of said members actuatable by the cell current, manually actuatable means for varying the position of one of said indicating members relatively to the other for enabling the indicating members to be brought into coincidence and positive transmission means connected to one of said exposure controlling devices so as to enable the said exposure controlling device to be adjusted in accordance with the displacement of the indicating member actuated by the cell current.

2,000,038
APPARATUS FOR THE PRODUCTION OF AMMONIUM SULPHATE
Adolf Schmalenbach, Essen-Ruhr, Germany
Application September 10, 1932, Serial No. 632,495
In Germany July 30, 1931
8 Claims. (Cl. 23—273)



2. An apparatus for the production of coarse-crystalline ammonium sulphate from concentrated ammonia gas and sulphuric acid comprising a vessel adapted to receive the sulphuric acid to be worked up, an ammonia gas feeding pipe, a plurality of perforated pipes in the liquid space of said vessel at different levels, said pipes communicating with said gas feeding pipe, means for agitating the liquid in said vessel during the introduction of the gas, and means for withdrawing the solid products from the liquid.

2,000,039
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Waldo L. Semon, Cuyahoga Falls, and Arthur W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 22, 1928, Serial No. 301,440
58 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with the condensation product of an unsaturated aliphatic ketone with a primary aromatic amine.

2,000,040
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Waldo L. Semon, Silver Lake Village, and Arthur W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application August 22, 1928, Serial No. 301,440. Divided and this application September 15, 1934, Serial No. 744,196
20 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a reaction product of a ketone containing not more than two oxygen atoms with an aromatic amine derived from benzene or an alkyl or alkoxy substituted benzene and containing only one primary amino group.

2,000,041
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Waldo L. Semon, Silver Lake Village, and Arthur W. Sloan, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application August 22, 1928, Serial No. 301,440. Divided and this application September 15, 1934, Serial No. 744,197
20 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a reaction product of a ketone containing not more than two oxygen atoms with an aromatic amine containing both primary and secondary amino groups.

2,000,042
COMPRESSED FOAM GELATIN
Samuel E. Sheppard and James H. Hudson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application March 23, 1933, Serial No. 662,404
8 Claims. (Cl. 87—7)

2. A permanently set sheet of compressed, substantially dry gelatin foam which, at atmospheric pressure, contains air cells the air in a substantial number of which is under substantial pressure.

3. A process of producing gelatin containing a substantial number of compressed air cells, comprising agitating an aqueous gelatin solution with air to form a gelatin foam, casting the gelatin foam in sheet form, setting the structure of the gelatin foam sheet by chilling, substantially dehydrating the gelatin foam with a current of air

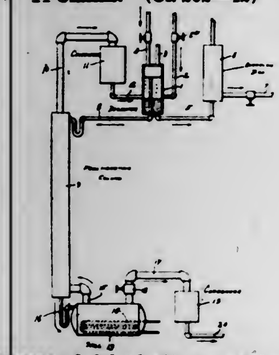
at atmospheric pressure substantially warmer than the chilling temperature, and compressing the gelatin sheet to such an extent that it is permanently set in a compressed, flattened condition.

2,000,043

PROCESS FOR AZEOTROPIC DRYING OF MIXTURES OF WATER AND ALCOHOLS OR KETONES

William H. Shiffler and Robert C. Mithoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application July 6, 1932, Serial No. 621,038
11 Claims. (Cl. 202—42)



1. A process of dehydrating organic liquids of the alcohol or ketone group, which comprises passing the hydrated organic liquid into a stratifying zone, therein contacting the organic liquid with a mixture of the condensed vapors of the organic liquid, water, and a volatile solvent of the organic liquid which solvent is substantially insoluble in water and thereby forming two separate liquid layers, one relatively rich in water and weak in the organic liquid and the other relatively poor in water and rich in the organic liquid, passing the latter layer to a reflux column, and condensing the vapor from the reflux column to form the condensed mixture utilized in the first step of the process.

2,000,044

ANTIOXIDANT

Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1933, Serial No. 673,114
29 Claims. (Cl. 18—50)

1. The method of retarding the deterioration of rubber which comprises treating rubber with a poly-aryl carbinol containing at least one and not more than two amino-groups.

2,000,045

ANTIOXIDANT

Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1933, Serial No. 673,115
16 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a substance having the general formula

A-R-X-R'-A'

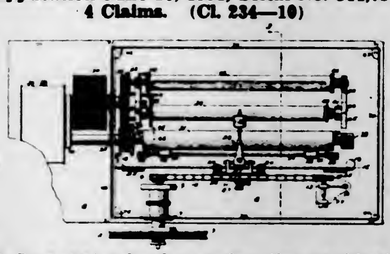
wherein A and A' represent amino groups, R and R' represent aromatic nuclei and X represents a methylene or hydrocarbon substituted methylene group, and at least one of the groups A and A' contains an aliphatic hydrocarbon substituent.

2,000,046

WATER LEVEL RECORDER

John C. Stevens, Portland, Oreg., assignor to Leupold, Volpel & Co., Portland, Oreg., a corporation of Oregon

Application June 16, 1931, Serial No. 544,751
4 Claims. (Cl. 234—10)



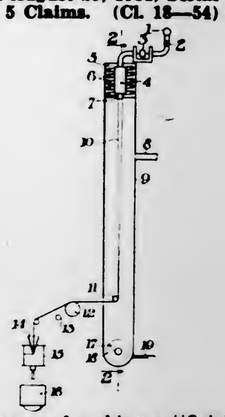
2. In a water level recorder, the combination of a base plate, rails mounted on the base plate, switch plates affixed to the rails, a recording carriage movably secured on the rails, a lever pivotally attached to the recording carriage, a cycloidal cam pivotally affixed to the lever and operably mounted in the recording carriage, said lever being actuated by the switch plates on the rail.

2,000,047

PROCESS OF MAKING ARTIFICIAL SILK

Herbert G. Stone, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application August 29, 1931, Serial No. 560,191
5 Claims. (Cl. 18—54)



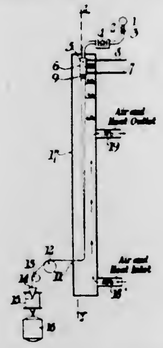
1. The process of making artificial silk by the dry spinning method which comprises extruding a solution of an organic ester of cellulose in a volatile solvent in the form of a filament into a zone of substantially immobile evaporative atmosphere and then into a current of evaporative medium of pregressively higher temperatures with progress of the filament therethrough and all points of which are maintained above room temperature, but below the decomposition temperature of the ester, said solution being heated immediately prior to filamenting to a temperature higher than that of any portion of the evaporative medium, but not substantially above approximately 70° C.

2,000,048

PROCESS OF MAKING ARTIFICIAL SILK

Herbert G. Stone, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application September 21, 1932, Serial No. 634,185
6 Claims. (Cl. 18—54)



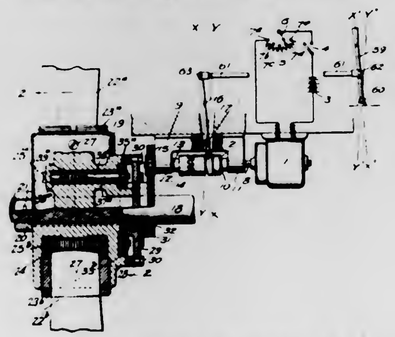
1. The process of making artificial silk by the dry spinning method which comprises heating a solution of an organic ester of cellulose in a volatile solvent to a temperature above room temperatures, but below the decomposition temperature of the ester, extruding the heated solution in the form of a filament into a zone of evaporative medium of lower temperature than the solution and then into a current of evaporative medium of progressively higher temperature with progress of the filament therethrough, all points of which evaporative medium are maintained above the spinning solution temperature, but below the decomposition temperature of the ester, none of the foregoing temperatures being substantially in excess of 120° C.

2,000,049

AUTOMATIC VARIABLE PITCH PROPELLER

Lester M. Taylor, Dayton, Ohio

Application April 19, 1934, Serial No. 721,351
4 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



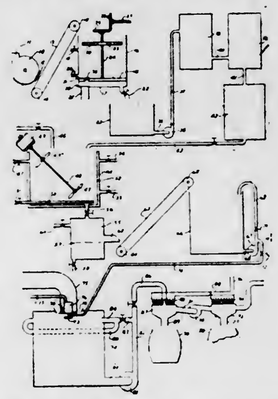
1. In a pitch control mechanism for aircraft a rotatable mount including propeller blades freely adjustable about their longitudinal axes, means carried by said mount for changing the pitch of said propeller blades, a shaft including means for driving the same at a series of predetermined constant speeds, and means for operatively coupling said pitch changing means with said shaft upon attainment of a predetermined relative rotational rate between said shaft and rotatable mount such that any deviation from the aforesaid relative rotational rate automatically actuates said propeller pitch changing means.

2,000,050

PIGMENT

Charles A. Thomas and Carroll A. Hochwalt, Dayton, Ohio., assignors to The Mead Research Engineering Company, Chillicothe, Ohio, a corporation of Ohio

Application April 26, 1930, Serial No. 447,535
9 Claims. (Cl. 134—58)



1. In the manufacture of pigment, the method which comprises mixing ferrous hydroxide with a non-alkaline tannin extract derived from chestnut wood, then bubbling an oxidizing fluid such as air through the non-alkaline mixture to produce a copious rapid settling bluish black precipitate, and separating, washing and drying the resultant precipitate to provide a water insoluble bluish black pigment.

6. In the manufacturing of pigment, the method which comprises mixing a pigment-metal compound of the group consisting of ferrous hydroxide, titanium chloride, vanadium trichloride, ammonium vanadate, mercurous nitrate, and cuprous chloride with a non-alkaline tannin extract solution to provide a non-alkaline mixture, bubbling an oxidizing gas such as air through the non-alkaline mixture to produce a copious rapid settling precipitate, separating the precipitate from the solution, and drying the separated precipitate to form a solid water insoluble pigment.

2,000,051

METAL COMPOUND CONTAINING AN ISOINDOLE NUCLEUS AND PROCESS OF MAKING THE SAME

Jocelyn Field Thorpe, Reginald Patrick Linstead, and John Thomas, Earl's Road, Grangemouth, Scotland

No Drawing. Application June 10, 1932, Serial No. 616,570. In Great Britain June 20, 1931
14 Claims. (Cl. 260—11)

11. The process which comprises heating o-cyanobenzamide at temperatures between 200° C. and 300° C. in the presence of a finely divided polyvalent metal.

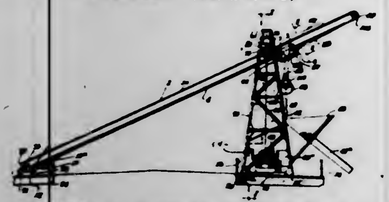
2,000,052
PROCESS FOR THE MANUFACTURE OF COLORED COMPOUNDS AND THE PRODUCT THEREOF
Jocelyn Field Thorpe and Reginald Patrick Linstead, Earl's Road, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 10, 1932, Serial No. 616,571. In Great Britain June 22, 1931
18 Claims. (Cl. 260—11)

1. A process for the manufacture of colored compounds which comprises heating a phthalimide and a metal in the presence of ammonia.

2,000,053
PROCESS FOR THE PRODUCTION OF CARBOXYLIC ACID
Walter Elwood Vail, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1931, Serial No. 559,132
7 Claims. (Cl. 260—116)

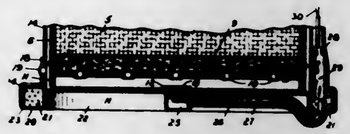
1. In a process of reacting a gaseous mixture containing an olefinic hydrocarbon, steam, and carbon monoxide, and thereby producing aliphatic carboxylic acid, the step of passing the gaseous mixture over a metal compound that forms a salt with the said carboxylic acid.

2,000,054
STEVEDORING APPARATUS
Francis H. Weeks, New York, N. Y.
Application September 24, 1931, Serial No. 564,792
3 Claims. (Cl. 212—3)



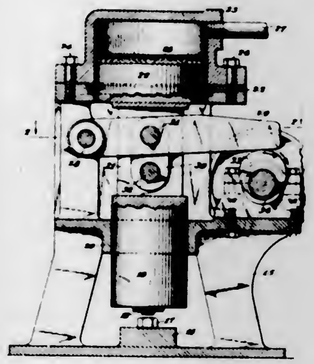
1. A crane for stevedoring vessels of a size and weight adapted to be removably applied to the deck of the usual freight carrying vessel without alteration of said deck, said crane being of a self-contained operating unit adapted to be immediately operated when so applied, said crane including a rigid stiffly braced self-sustaining and upstanding tower, terminating in a substantially horizontal plane lower surface, said tower being of a size adapted to be rested directly on the deck of the usual cargo carrying vessel in the space between the hatch coaming and the adjacent side of the ship and being of a weight adapted to be carried by the deck of the usual cargo carrying vessel between the hatch coaming and the adjacent side of the ship, said crane comprising in addition a cargo beam suspended from said tower adapted to extend therefrom transversely across the hatch of the usual cargo carrying vessel and to be supported by the side of said vessel remote from the said tower, a trolley carried by and movable longitudinally along said beam, driving means connected to and carried by said tower, drums operatively connected to said driving means, said driving means, drums and said trolley being operatively connected to lift cargo out of the hold of the ship and to move same longitudinally along the said beam.

2,000,055
FLARE CONTAINER
Samuel Wiley, Metuchen, N. J.
Application March 10, 1934, Serial No. 714,937
4 Claims. (Cl. 102—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



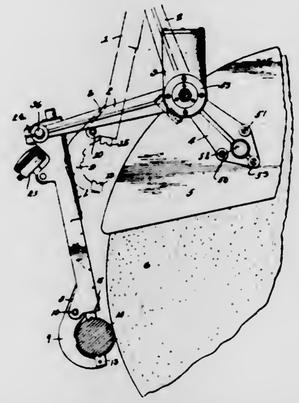
1. A container having an annular chamber at its lower end, a powder charge in said chamber, a detachable cover closing the lower end of the container and said chamber and adapted to be forcibly removed from the container on combustion of the powder charge, a thimble carried by the cover, a quick-match leading from the thimble to the powder charge, means for igniting the powder charge, a combustible member within the container and supported by the cover, and a delay charge carried by said member and disposed in the thimble of the cover.

2,000,056
METHOD AND APPARATUS FOR COMPRESSING AND INDENTING
Wylie G. Wilson, Elizabeth, N. J., assignor to Wilson Locknut Company, Jersey City, N. J., a corporation of Delaware
Application February 8, 1933, Serial No. 655,750
14 Claims. (Cl. 10—72)



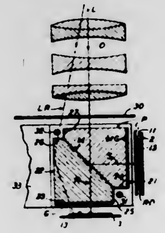
1. The process which consists in providing a plurality of nuts which have an ascertained maximum variation in axial height, feeding one of the nuts to a predetermined point below an axially-movable indenting tool whose axis is alined with that of the nut, lowering the tool into contact with the upper face of the nut, and then permitting a falling weight of predetermined mass to drop through a predetermined distance upon the indenting tool, the tool being held at all times to true axial movement, raising the tool and the weight, removing the treated nut, inserting another nut, and repeating the operations above set forth, the drop of the weight being at least 25 times the variation in axial height of the plurality of nuts placed in succession beneath the indenting tool.

2,000,057
AUTOMATIC GAUGE CONTROL AND MEANS THEREFOR
Philip S. Arnold, Flint, Mich., assignor of one-fifth to Charles E. Wisner, Detroit, Mich.
Application June 7, 1929, Serial No. 369,134
3 Claims. (Cl. 33—147)



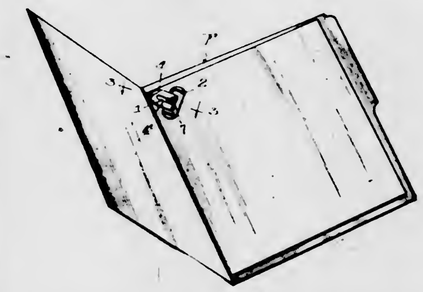
2. In a device for gauging a piece of work during the finishing operation by a machine, a torsion spring tending to raise the gauge away from the work upon its release therefrom, a shaft rotatable by the spring and to which the gauge is connected, a liquid chamber, a pump element secured to the shaft and positioned in the liquid chamber operable by the said spring upon release of the tool from the work to pass a body of liquid through a restricted opening provided therefor and thereby limit the rapidity of movement of the tool away from the work by the spring.

2,000,058
THREE-COLOR PHOTOGRAPHY
Joseph A. Ball, Los Angeles, Calif., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y., a corporation of Delaware
Application June 22, 1931, Serial No. 545,951
23 Claims. (Cl. 95—2)



1. Photographic apparatus comprising juxtaposed apertures, one for a green sensitive film and another for superposed films sensitive to blue and red light respectively, means for focusing light at the apertures respectively, a green filter in the light path to the first aperture, and a minus green filter in the light path to the second aperture.

2,000,059
FOLDER PAPER FASTENER
Russell G. Bourdon, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application November 5, 1931, Serial No. 573,082
6 Claims. (Cl. 24—153)



1. A metal fastener comprising a single stout short prong having an integral base adapted to be fixed to a folder, said prong being pointed at its end and relatively wide whereby sheets pierced thereby are held against displacement about the fastener, and a follower plate having a centrally disposed slot to receive and acting to exert pressure on the sheets when the prong is bent over.

2,000,060
ORNAMENTAL CROSS
Raymond F. Brennan, Attleboro, Mass.
Application December 29, 1933, Serial No. 704,387
4 Claims. (Cl. 41—10)

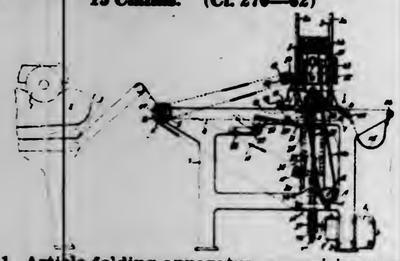


1. An ornamental cross comprising upright and transverse members having central frontal face portions of substantially uniform color and surface appearance throughout, and an outwardly inclined frontal edge portion surrounding said frontal face portions and transversely curved to retain therein a coating material, said frontal edge portion being coated with an adherent material sharply contrasting in color with the color of said central frontal face portions to present in appearance the contour of a cross standing out from the background of the central frontal face portions.

2,000,061
MANUFACTURE OF DIARYL SULPHONES
James Irvin Carr, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1933, Serial No. 676,759
21 Claims. (Cl. 260—158)

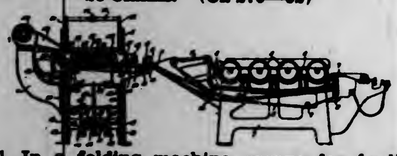
1. A process for the manufacture of a diaryl sulphone, which comprises reacting a volatile aryl compound, having at least one carbon-hydrogen group in the aromatic ring, in vapor phase with sulphur trioxide, and recovering the formed diaryl sulphone from the reaction mass.

2,000,062
FABRIC FOLDING MACHINE
Forrest J. Couch, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 18, 1933, Serial No. 657,497
15 Claims. (Cl. 270—62)



1. Article folding apparatus, comprising means for winding an article into cylindrical shape, means for conveying an article in a flat state to said winding means, means for cross folding the cylinder, and means sensitive to movement of the article in a flat state for controlling operation of said cross folding means.

2,000,063
FOLDING MACHINE
Forrest J. Couch, Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application December 22, 1933, Serial No. 703,593
23 Claims. (Cl. 270—62)



1. In a folding machine, means for feeding a flat article therethrough, means for forming said article into a flattened elliptical shape, means for directing said article from said feeding means about said forming means, a blade adapted to remove the formed article from said forming means, and belts for cross-folding said formed article.

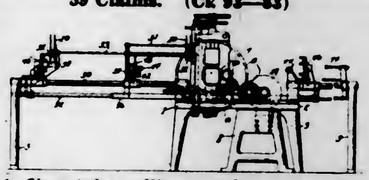
2,000,064
RESPIRATOR
Harvey S. Cover, South Bend, Ind.
Application March 27, 1933, Serial No. 662,929
17 Claims. (Cl. 128—146)

3. A device of the character described comprising a main body portion formed of an integral piece of flexible resilient material and terminating in a pair of forwardly extending



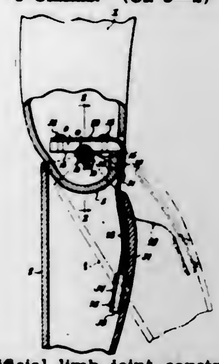
lips arranged to provide a flutter valve, and an intake opening in said main body portion to the rear of said flutter valve.

2,000,065
FIBER TUBE ROLLING MACHINE
Homer J. Davis, Wilmington, Del.
Application September 2, 1930, Serial No. 479,378
59 Claims. (Cl. 92—83)



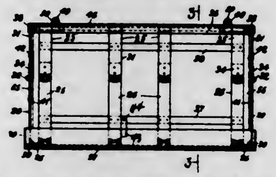
1. A fiber tube rolling machine comprising a supporting frame, rolling mechanism mounted thereon, delivery mechanism, feeding mechanism for receiving the tubes from the delivery mechanism and reciprocating the same through said rolling mechanism, and timing mechanism for timing the number of passages of the tubes through the rolling mechanism.

2,000,066
ARTIFICIAL LIMB JOINT CONSTRUCTION
William J. Didier, Racine, Wis.
Application November 25, 1933, Serial No. 699,697
8 Claims. (Cl. 3—2)



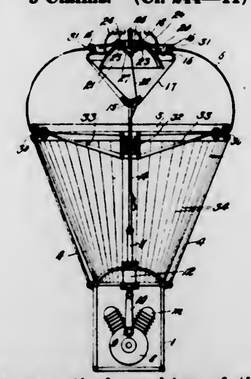
1. An artificial limb joint construction comprising an upper member and a lower member pivotally joined together, a spring rest carried by said upper member and having a rearwardly projecting portion, and a leaf spring secured adjacent its upper portion to said spring rest and extending over the rearwardly projecting portion of said spring rest and attached adjacent the lower portion of said spring to said lower member, whereby said spring urges said lower member towards a forward position and arrests the forward swinging motion of said lower member at a predetermined point with respect to said upper member.

2,000,067
COLLAPSIBLE CONTAINER
Giuseppe Di Mauro, Brooklyn, N. Y., assignor, by direct and mesne assignments, of two-thirds to William M. Goldweber, Bayonne, N. J.
Application February 3, 1933, Serial No. 655,041
2 Claims. (Cl. 220—6)



1. In a container the combination of a bottom frame, stabilizers each comprising an upper and lower arm hinged to each other, the lower end of each lower arm of each stabilizer hinged to said bottom frame, a brace connecting a plurality of the lower arms of said stabilizers and a latch arm hinged to said brace adapted to lock with said bottom frame, to maintain said stabilizers in operative position.

2,000,068
AERONAUTICAL MACHINE
John Auguste Domenjos, New York, N. Y.
Application June 13, 1934, Serial No. 730,422
In France August 16, 1932
5 Claims. (Cl. 244—11)

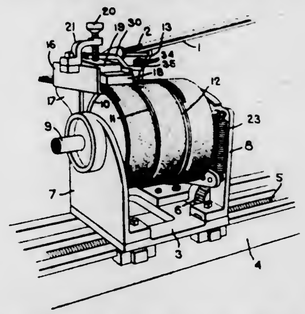


1. An aeronautical machine of the character described comprising a carrier, a motor supported thereby, a flexible motive canopy secured at its outer marginal portion to the carrier and actuating connections from the motor to the central portion of the canopy operative vertically to reciprocate the canopy central portion and air valve means associated with the central portion of the canopy to allow passage of air therethrough during the up-stroke of the actuating connections.

2,000,069
PREPARATION OF LEAD ALKYLS
Frederick B. Downing, Carneys Point, and Louis S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1932, Serial No. 613,260
6 Claims. (Cl. 260—11)

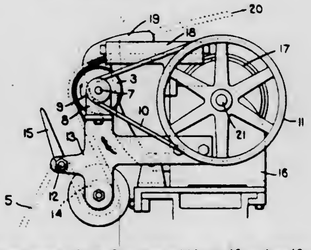
1. The method of producing lead alkyls which comprises reacting an alkyl halide with a composition of matter comprising 10% sodium, 89.95% to 89.00% lead and 0.05% to 1.00% magnesium.

2,000,070
CARD ROLLER MOUNTING MACHINE
Edward S. Flynn, Lowell, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application November 22, 1934, Serial No. 754,269
5 Claims. (Cl. 140—99)



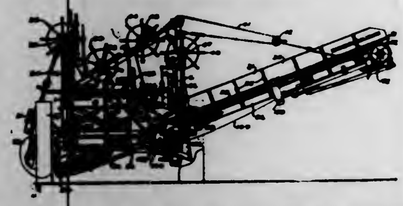
1. An apparatus for applying fillet material under tension to a driven roll comprising means for applying a retarding friction to the fillet; a movable controller held yieldingly against the fillet between the driven roll and the retarding friction-applying means by a pressure just sufficient to be overcome by the desired tension on the fillet; and means connecting the controller and the retarding friction-applying means acting, upon movement of the controller caused by a change from the desired tension, to effect a compensating change in the retarding friction and thereby to restore the desired tension.

2,000,071
CARD CLOTHING RESETTING MACHINE
Edward S. Flynn, Lowell, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application November 22, 1934, Serial No. 754,270
6 Claims. (Cl. 140—98)



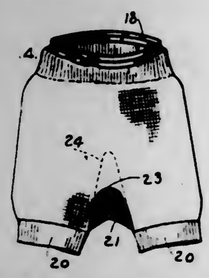
1. An apparatus for resetting the teeth of card clothing comprising a roll over which the card clothing is fed with the back of the clothing in engagement with the roll periphery, means for maintaining the back of the card clothing pressed against the roll periphery, and means for rotating the roll in the direction of the feed of the card clothing at a peripheral speed greater than the speed of the feed, whereby any teeth the bases of which project below the back of the clothing are driven in place and reset.

2,000,072
ROAD MACHINE
Rudolph Godstad, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 2, 1933, Serial No. 654,863
8 Claims. (Cl. 37—110)



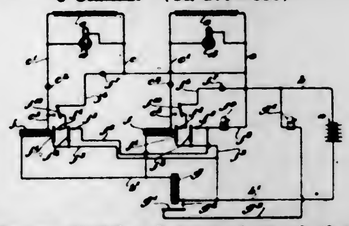
1. In an elevating grader, a frame, a carrier adjustably supported in said frame, a carrier belt on said carrier, a motor mounted in said frame, a clutch housing, means for driving said belt from said motor including a clutch, a clutch-driven shaft, and means for preventing reverse movement of said belt comprising a cam on said shaft having offset cam surfaces, a tubular member secured to said housing and surrounding said cam, said offset cam surfaces and the inner surface of said member forming pockets having substantially radial walls adjacent the deeper ends thereof, rollers in said pockets, and spring-pressed plungers seated in said walls and engaging said rollers, said plungers serving to urge said rollers into engagement with said surfaces to lock said cam against reverse movement.

2,000,073
BODY GARMENT AND METHOD OF MANUFACTURE
Harry A. Geus, Schuylkill Haven, Pa., assignor to Julius Kayser & Co., a corporation of New York
Application April 21, 1932, Serial No. 606,556
4 Claims. (Cl. 66—176)



1. A method of producing knitted body garments which comprises knitting a continuous tubular fabric with a multiplicity of alternately arranged uniform loosely knit sections and uniform tightly knit sections, the loose sections being all of similar dimensions and the tight sections being also of dimensions similar to each other, cutting the double thickness of the tubular material substantially transversely of the latter to form tubular blanks but in such a way that one of the cut edges is at an angle to the other, slitting at least one edge of the blanks partway of its length to form a unitary one-piece garment, and finishing off the end of the relatively tight portion of the knitting below the hips.

2,000,074
SUPERVISED ELECTRIC SYSTEM
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application March 8, 1928, Serial No. 259,958
6 Claims. (Cl. 177—355)



1. In an electric alarm system of the type wherein a plurality of circuits are provided each of which includes a source of electrical energy and a relay coil, the combination of two circuits controlled by each relay and independent of the plurality of circuits, one of each of the last named circuits including signalling means of a substantially non-objectionable nature to the senses, and the other thereof including signalling means having a signalling effect of a nature objectionable to the senses, and a switch and connections to close the circuit through a first signalling means and disconnect the second signalling means from actuation by a particular local circuit whilst leaving the second signalling means connected for actuation by any one of the remaining local circuits, said connections maintaining the circuit through the first signalling means closed until the last named switch is opened.

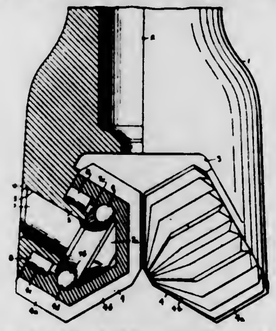
2,000,075
CLAM-OPENER
Vernon R. Hallock, Riverhead, N. Y.
Application November 8, 1930, Serial No. 494,414
Renewed August 28, 1933
2 Claims. (Cl. 17—9)



1. A clam opener comprising a base-plate having a longitudinally disposed groove in its upper side constituting a clam-seat, a pivot-post united with said base-plate, and a knife pivoted to said pivot-post and having a considerably bulged cutting edge over the end of the clam seat towards the pivot-post and constructed to enter said groove and meet the hinge of a clam at a theoretical point when the clam-hinge is seated in said end of the clam-seat, a portion of the bulged cutting edge adjacent the pivot being of substantially the same curvature as the bottom of said clam-seat so as to enable the clam hinge to be severed thereby.

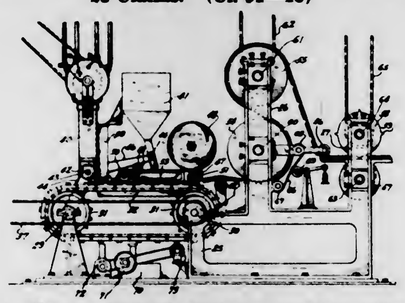
2,000,076
ROLLER BIT
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 3, 1932, Serial No. 635,937
5 Claims. (Cl. 255—71)

1. In a roller bit: a head having a cutter recess in the bottom thereof, a pin opening extending outwardly and upwardly from said recess to the exterior of said head, and an annular flange on the wall of said recess about said opening; a cutter pin in said opening and having an enlarged portion in said recess and bearing against said flange, said enlarged portion having a ball raceway therein, and a removable plug forming a part of said raceway; a roller cutter enclosing said flange and the enlarged portion of said pin, said cutter having a roller raceway in alignment with said



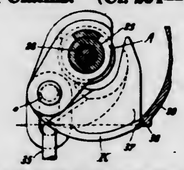
flange and a ball raceway in alignment with the ball raceway of said pin; balls insertable into said ball raceways upon removal of said plug and through the space left thereby, and serving to rotatably lock said cutter on said pin when said plug is replaced; and rollers between said flange and said roller raceway; said cutter having a substantially cylindrical base portion about said balls and rollers and a substantially conical point portion extending inwardly of said head from said base portion.

2,000,077
APPARATUS FOR AND METHOD OF APPLYING SURFACING MATERIAL TO A FABRIC WEB
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application November 3, 1930, Serial No. 493,033
23 Claims. (Cl. 91—18)



1. The method of applying crushed mineral surfacing in the manufacture of building material, comprising depositing measured amounts of crushed mineral in a hopper in a predetermined arrangement of superimposed strata of different colors, applying bituminous coating to a travelling fabric web, causing the strata of mineral to be discharged in order by said hopper onto a travelling endless receiving means, applying a parting substance to said receiving means prior to the application of mineral thereon, and causing the transfer of said strata of mineral in the same order, from said receiving means onto the coated surface of the web while said surface is still in a plastic state.

2,000,078
HAND BRAKE
Stacy B. Haseltine, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Original application August 1, 1930, Serial No. 472,218. Patent No. 1,931,655, dated October 24, 1933. Divided and this application September 22, 1933, Serial No. 690,521
4 Claims. (Cl. 254—149)



1. In a hand brake mechanism, the combination with a chain-winding drum; of a brake chain connected to the drum; operating means for rotating the drum; a gravity-influenced swinging stop member connected to the drum; and stop shoulder means cooperating with said stop member to stop rotation of the drum when the brakes are completely released.

2,000,079
MACHINE
Lee Roy Herndon, Kenmore, N. Y., assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 540,412, May 27, 1931. This application October 21, 1932, Serial No. 639,000
13 Claims. (Cl. 18—57)



1. In the manufacture of regenerated cellulose films the step which comprises passing the film over a heated roller having an adhesive surface.

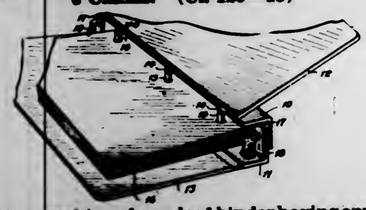
2,000,080
SWITCH
Peder B. Hoye, Maywood, Ill., assignor to Electrical Engineers Equipment Co., Melrose Park, Ill., a corporation of Illinois
Application June 20, 1932, Serial No. 618,273
17 Claims. (Cl. 200—48)



1. A pivotally mounted contact housing comprising a substantially box-like structure having a slit opening on one side merging at one end with an outwardly flared opening at an adjacent side for receiving a switch blade, a stop member extending outwardly of the housing adjacent the opposite end of the slit and having a curved camming surface, a pair of mounting ears projecting from the housing from adjacent the side opposite the side having the slit opening, a pivotal mounting for the housing including a pivot pin extending through the mounting ears, spring means biasing the housing about its pivot to a predetermined normal position, stop means for limiting the extent of turning of the housing

about its pivot to a fractional part of a half revolution, and contact means mounted within the housing and adapted to receive a blade.

2,000,681
LOOSE LEAF BINDER
Stanley G. Johnson, Grosse Pointe, Mich., assignor to The Burkhardt Company, a corporation of Michigan
Application May 4, 1934, Serial No. 723,944
6 Claims. (Cl. 129—13)

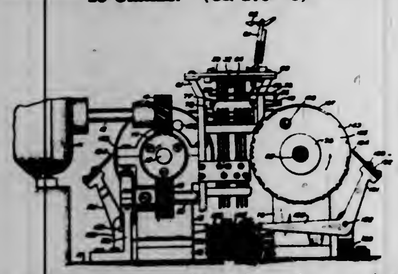


1. In a post type loose leaf binder having opposed leaf-engaging members and means for receiving punched filler sheets, round solid posts secured to one of the leaf-engaging members, hollow posts having an internal diameter slightly larger than said round solid posts secured to the other leaf-engaging member telescopingly receiving said solid posts, said hollow posts having radially disposed concentric apertures therethrough forming a shouldered recess within said hollow posts for receiving a locking member, a rotatable locking member having a head concaved substantially coincident with the inner surface of the said hollow posts within each of said hollow posts, the said locking members adapted to be urged into vise-like biting engagement with the said solid posts.

2,000,682
ARTIFICIAL MANURE AND METHOD OF PRODUCING SAME
Jacob Kaiser, Vaihingen, and Eberhard Sauer, Stuttgart, Germany
No Drawing. Application March 11, 1931, Serial No. 521,876. In Germany July 16, 1927
1 Claim. (Cl. 71—8)

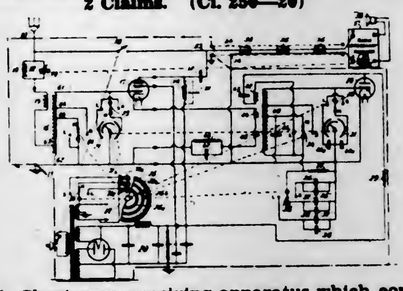
As a new product, an artificial manure being a substantially neutral mixture of putrefied sludge from town-sewage settling tanks (Imhoff tanks) with peat, the product being loose and strewable.

2,000,683
FACSIMILE PRINTING TELEGRAPH SYSTEM AND APPARATUS
Edward F. Kleinschmidt, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 1, 1930, Serial No. 492,855
15 Claims. (Cl. 178—5)



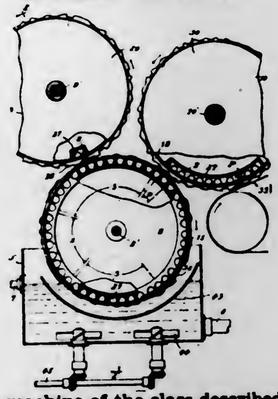
1. In a facsimile telegraph system, a transmitter having a plurality of similar transmitting elements each having control surfaces corresponding to the light and dark areas of a scanned character, and an additional similar transmitting element for transmitting a stop condition to all receivers connected to said transmitter.

2,000,684
SHORT WAVE RECEIVER ARRANGEMENT
Harold Miller Lewis, Douglaston, N. Y., assignor to Hazeltine Corporation
Application September 25, 1931, Serial No. 565,025
2 Claims. (Cl. 250—20)



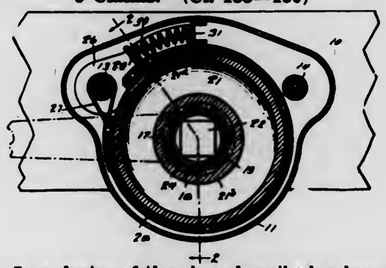
1. Short wave receiving apparatus which comprises a converter, for converting short wave signals into long wave signals, said converter including a trap circuit comprising a fixed inductance and a variable condenser in its input circuit for preventing impressing signals of a long wave length directly upon the input of said converter, a radio broadcast receiver connected to said converter, and means connecting the tuning element of said wave trap with the tuning element of said broadcast receiver, whereby said trap circuit will be simultaneously tuned to the wave length to which said broadcast receiver is tuned to prevent impressing signals of the long wave length by said converter upon said broadcast receiver.

2,000,685
PULP MOLDING MACHINE
Alonzo H. Maginnis, Rochelle, Ill.
Application January 5, 1934, Serial No. 705,333
11 Claims. (Cl. 92—56)



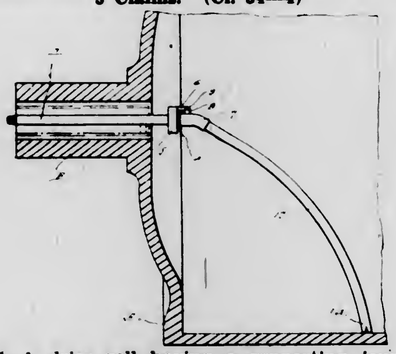
1. In a machine of the class described, a forming drum having a molding plate with a predetermined profile, means for depositing pulp in wet plastic condition thereon, means for subjecting the molding plate to vibration relative to the drum while the pulp is being deposited thereon, an extracting drum having a wringer surface profiled to match the profiled surface of the molding plate to subject the coating of pulp to compression between said surfaces to eliminate moisture therefrom and conform the pulp to the profile of the molding plate, means for moving the molding plate on the forming drum into alignment with the surface on the extracting drum prior to registration therewith, and means for transferring the molded product from the molding plate.

2,000,686
SHOCK ABSORBER
Bonnie L. Mallory, Cleveland, Ohio, assignor to Gadget's Inc., Cleveland, Ohio, a corporation of Ohio
Application August 7, 1933, Serial No. 683,982
3 Claims. (Cl. 188—130)



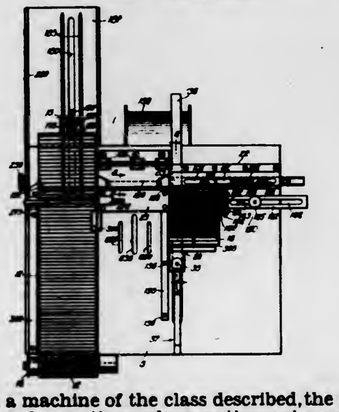
1. In a device of the class described, a housing, a drum journaled therein and having a shaft extending therefrom for receiving an arm, a bolt extending through said housing, a yoke member having its ends received on said bolt, a friction band connected to said bolt, wound around said drum and provided with an abutment received within said yoke, and compression spring means interposed between said abutment and the bight portion of said yoke.

2,000,687
SIPHON
William P. Meeker and Edward C. Price, Franklin, Ohio, assignors to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application December 31, 1931, Serial No. 584,308
3 Claims. (Cl. 34—4)



1. A drier roll having a supporting journal provided with a horizontal passage of restricted diameter, and, in combination therewith, a siphon pipe assembly adapted for entry through said passage and for removal therefrom, said assembly comprising a supporting pipe portion extending horizontally through said passage, a pipe extension within the drier roll depending angularly downwardly from the end of said pipe portion, interconnected attachment members on the adjacent ends of said pipe portion and said pipe extension, said attachment members having engageable seat portions normally providing a substantially fluid-tight connection and maintained in seating engagement merely by the weight of the extension pipe and its connected attachment member, said attachment members having interengaging portions affording upward movement of the pipe extension into general alignment with said pipe portion.

2,000,688
TYPE BAR MACHINE
Harley J. Megley, Chicago, Ill.
Application January 28, 1933, Serial No. 653,966
6 Claims. (Cl. 29—24)

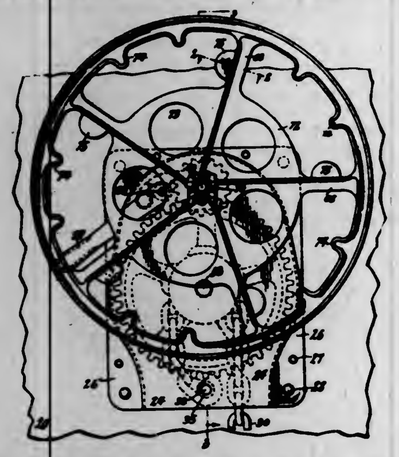


1. In a machine of the class described, the combination of a continuously operating reciprocatory means for moving a printing slug by intermittent motion in a given path, and movable means operable with said continuously operating means during a portion of its reciprocatory movement but during a period of intermission in the movement of the slug and constituting a part of the machine for operating upon the slug in a direction transverse to the normal movement of the slug in said path to form retention means on the slug.

2,000,689
HAND BRAKE MECHANISM
Frank D. Miller and Everard C. Mersereau, Buffalo, N. Y., assignors to National Brake Company, Inc., Buffalo, N. Y., a corporation of New York
Application April 3, 1933, Serial No. 664,096
1 Claim. (Cl. 188—81.1)

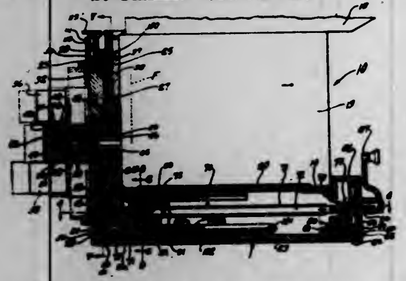
A holding and releasing mechanism for railway car hand brakes including a ratchet wheel, a detent pawl engaging said ratchet wheel, a pawl shaft carrying said pawl and having a radial bearing face adjacent to the axis of the pawl shaft and a peripheral stop face, and a trip shaft having its axis parallel with the axes of said pawl and ratchet wheel and having a releasing cam adapted to engage said pawl for disengaging the same from said ratchet wheel upon turning the trip shaft in one direction, a closing finger adapted to engage said bearing face and press the pawl into engagement with the ratchet wheel

upon turning the trip shaft in the opposite direction, and also having a stop dog adapted to en-



gage said stop face for limiting the pawl releasing movement of said trip shaft.

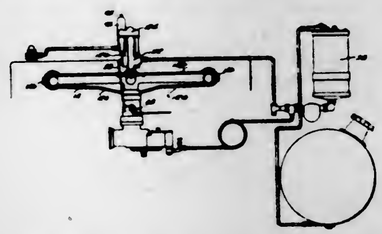
2,000,090
CAMERA FOCUSING MECHANISM
George A. Mitchell, Los Angeles, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware
Application February 23, 1934, Serial No. 712,545
27 Claims. (Cl. 95—45)



1. In a lens focusing mechanism, the combination of a movable lens carrier member adapted to be moved to carry a lens forwardly and rearwardly, and means for moving said carrier member embodying a lens carrier operating member movable in a straight line and operably connected with said lens carrier member, an operating lever connected to said member, and a fulcrum for said lever adjustable in a direction at right angles to the line of movement of said lens carrier operating member.

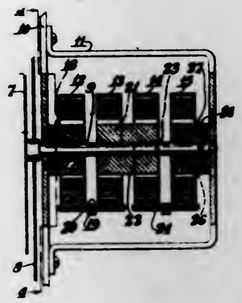
2,000,091
PRESSURE DELIVERY OF FUEL IN INTERNAL COMBUSTION ENGINES
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application October 24, 1927, Serial No. 228,210
25 Claims. (Cl. 123—127)

2. The herein described method of improving the operation of internal combustion engines during accelerating periods which consists in imposing the pressure of the gases and products of combustion from the engine cylinder upon a head of auxiliary fuel, and effecting the delivery there-



of under said pressure into the air at a point in advance of the point of introduction of main fuel, whereby to supplement the main charge of fuel and air when the same is in an impoverished mixture state.

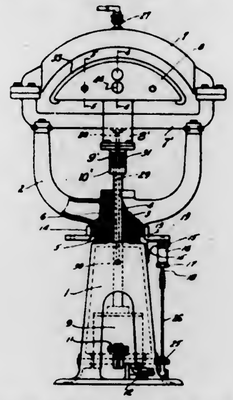
2,000,092
THERMOMETER
Harry Y. Norwood, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 12, 1933, Serial No. 693,263
1 Claim. (Cl. 297—12)



Actuating mechanism for a thermo-responsive device comprising a composite spring formed of coaxially arranged bimetallic coil spring sections joined together in series by rigid connections including at least one sleeve, a collar, one end of said spring being fixed, a shaft attached to the other end of said spring, said shaft being rotatable in said collar and extending through said sleeve and through said coil spring sections along the axis thereof, said sleeve being rotatable on said shaft, and a member actuated by said shaft.

2,000,093
NECKBAND AND COLLAR FINISHING PRESS
John S. Patterson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application November 12, 1930, Serial No. 495,129
Renewed March 21, 1934
15 Claims. (Cl. 68—9)

14. A pressing machine comprising a pair of cooperating relatively movable pressing members, one of said members having two differently shaped pressing edges to enable two different types of work to be pressed therewith, and a rotatable support for said last mentioned pressing member to enable either of its pressing edges



to be positioned toward a predetermined side of the machine.

2,000,094
ART OF PRINTING
Victor Peterson, Chicago, Ill., and Archie C. Schaefer, Los Angeles, Calif.
Application September 14, 1932, Serial No. 633,032
6 Claims. (Cl. 101—211)



1. The herein described improvement in the art of printing which includes: making a relief tympan with the relief portions thereof corresponding to the areas to be printed; applying a coating of finely granulated material to such portions of an initially plain surface printing plate as to leave uncoated those areas thereon corresponding to said relief printing areas; fixing said relief tympan and coated printing plate in relative register in a printing press with the relief tympan beneath a tympan sheet; inking the printing plate; and then printing the print-receiving sheet while positioned between the printing plate and tympan sheet.

2,000,095
INSULATED ELECTRIC CONDUCTOR
Earle C. Pitman, Princton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 11, 1931, Serial No. 521,629
7 Claims. (Cl. 173—264)

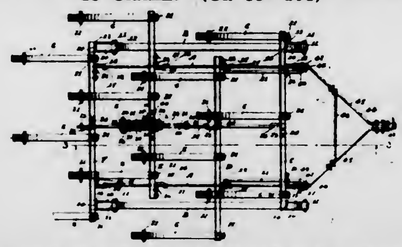


3. An electric conductor comprising a wire, a layer of rubber surrounding the wire, a fabric layer surrounding the rubber layer, and an outer cellulose ester lacquer coating, said fabric layer being impregnated with diethylene glycol phthalate.

2,000,096
PROCESS FOR MANUFACTURING FORMALDEHYDE
Eugène Albert Prudhomme, Levallois-Perret, France, assignor to Lucien Henri Roman, Paris, France
No Drawing. Application July 20, 1931, Serial No. 551,976. In France July 19, 1930
4 Claims. (Cl. 260—138)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

2. A process for the manufacture of formaldehyde which comprises passing a current of gas containing essentially hydrogen and carbon monoxide, at a temperature ranging between 130° C. and 200° C., through a hydrogenation catalyst of the nickel group of the periodic system until the catalyst becomes polarised by polymerisation of aldehydes formed by the reaction of the hydrogen and the carbon monoxide, and then passing a current of gas consisting essentially of nitrogen through said catalyst to cause depolarization thereof.

2,000,097
SPRING TOOTH HARROW
Arthur W. Reynolds, Newtown, Conn.
Application October 20, 1933, Serial No. 694,404
18 Claims. (Cl. 55—104)



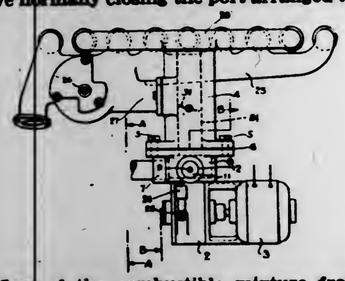
1. In a harrow of the class described, the combination of a pair of spaced side-bars, a series of tooth bars each separately pivoted upon and crosswise above the side bars, teeth mounted upon the tooth bars and extended rearward over the next adjacent tooth bar, and means for uniformly swinging the tooth bars forward and backward in a manner to raise and lower the said teeth.

8. A harrow comprising a frame, including a pair of spaced side-bars, a series of bearing arms hingedly connected to each side bar, a series of tooth bars supported on said arms and crosswise above the side bars, and teeth mounted upon the said bars and extended rearward runners hung from the side bars to support the harrow and adapted to be raised and lowered, means for moving the arms and tooth bars forward and backward in a manner to raise and lower the teeth and runners, and adjustable means for limiting the amount of said movement.

2,000,098
INTERNAL COMBUSTION MOTOR CARBURATION APPARATUS AND SYSTEM OF CONTROL THEREFOR
Oscar A. Ross, New York, N. Y.
Application April 23, 1927, Serial No. 186,087
23 Claims. (Cl. 123—119)

1. In combination with an internal combustion motor having an intake passage in communication therewith, of a combustible mixture producing device comprising, apparatus for finely dividing and suspending a liquid fuel in air, an air

passage in communication therewith for supplying air thereto, a combustible mixture passage also in communication with the apparatus arranged to conduct the combustible mixture from the apparatus to the intake passage, a port connecting the air and combustible mixture passages, a valve normally closing the port arranged to per-



mit flow of the combustible mixture from the combustible mixture passage to the air passage but restraining movement of air from the air passage to the combustible mixture passage, a spring for seating the valve, means for adjusting the tension of the spring, and a source of liquid fuel arranged to supply fuel therefrom to the device.

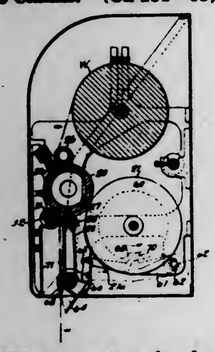
2,000,099

PAPER DELIVERY MECHANISM

George Schaefer, Jr., Flushing, N. Y., assignor to Sanitary Public Service Corporation, New York, N. Y., a corporation of Delaware

Application December 19, 1933, Serial No. 703,099

15 Claims. (Cl. 164—68)



1. A machine having a cycle of operations for severing a web of paper to form paper articles one at a time, including male and female rollers meshing together and having severing devices which cut the web to form the article to shape without completely severing the same, a pressure roller disposed to grip the entire width of the paper after severing to thereby hold the formed but incompletely severed article suspended, manually releasable stop mechanism for stopping the machine with the completed article passed beyond the pressure roller, a delivery chute having front and rear walls confining the paper after it passes by the pressure roller, a movable door across the bottom of the chute, and door operating means effective for keeping the door closed except at the end of the cycle whereby the article being formed is confined in the chute above the door during formation and for opening it at the end of the cycle to allow the article to drop out of the chute.

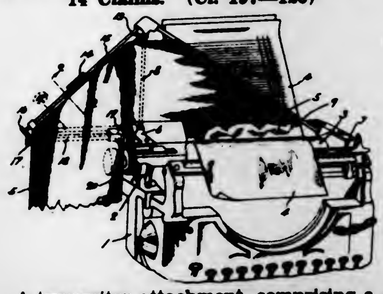
2,000,100

TRANSFER MATERIAL STRIPPER

John Q. Sherman, Dayton, Ohio

Application September 19, 1931, Serial No. 563,820

14 Claims. (Cl. 197—126)



1. A typewriter attachment, comprising a carbon paper guide disposed intermediate the paths of superposed strips of record material as they leave the writing machine and in diagonally disposed relation with the path of travel of the strips, and a take-up device for withdrawing the carbon material over said diagonal guide from between the superposed portions of record material.

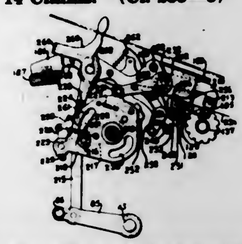
2,000,101

CASH REGISTER

Bernis M. Shipley, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 24, 1930, Serial No. 470,366

14 Claims. (Cl. 235—3)



1. In a machine of the class described, the combination with type carriers; and impression means; of a cam to operate the impression means, a pawl mounted on the cam; means to drive the cam through the pawl; a rock shaft; connections between said means and the rock shaft to drive the means; and manually operated devices to operate the rock shaft.

2,000,102

APPARATUS FOR THE STORAGE OF HAY

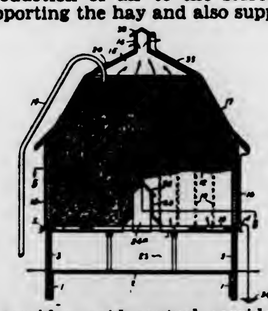
John G. Shedron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin

Application November 18, 1932, Serial No. 643,232

3 Claims. (Cl. 98—54)

1. In combination, in a barn, means of dividing the barn into a plurality of thin tall compartments with foraminous walls, said walls extending across the entire width of the barn, means of storing hay between said walls, means of introducing air between said columns of hay through the walls thereof for ventilating the hay columns, means enclosing the top of said columns for guiding the air from the hay upwardly and out the top thereof, means forming a central corridor between said hay columns into which hay can be discharged, and means below said hay columns for the enclosure of stock and

the reception of feed to feed the stock, said barn being provided with a floor having openings for the introduction of air to the stored hay, said floor supporting the hay and also supporting said



central corridor, said central corridor having a roof located a comparatively short distance above said floor, and a side opening for the removal of hay.

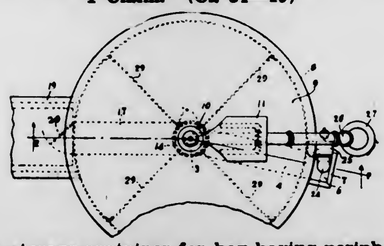
2,000,103

APPARATUS FOR STORAGE, CURING, AND PRESERVATION OF HAY

John G. Shedron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin

Original application October 14, 1932, Serial No. 637,816. Divided and this application August 31, 1933, Serial No. 687,629

1 Claim. (Cl. 34—19)



A storage container for hay having peripheral walls and a roof, and a return air duct located substantially centrally of the container having a plurality of openings, and doors for closing said openings, a blower, an air passageway connected to the exit end of said blower and extending through said container adjacent the top thereof, and having an exit for air beneath the top of said roof, a conical cap on said return air duct for dividing the air as it leaves the exit of said passageway, whereby the air is caused to pass through the hay and enter said return air duct through at least one of said openings, said return air duct being connected to the suction end of said blower.

2,000,104

STRANDING MACHINE

William E. Somerville, Coal City, Ill.

Application January 5, 1934, Serial No. 705,327

6 Claims. (Cl. 117—17)

4. In a wire twisting machine, the combination of a stationary head, a plurality of supply reels for wire strands, said reels mounted for rotation about their individual axes but maintained against bodily rotation, means for supplying a core wire, stationary means adjacent said head for feeding the strands to the core wire at substantially right angles to the axis of the core to be wound about the core, and means for axially rotating the core to wrap the strands therearound and thereafter rotating the formed product, whereby the individual strands will be maintained against twist-



ing about their individual longitudinal axes as the strands are fed to and wrapped or laid about the core.

2,000,105

MINERAL OIL COMPOSITION

Bertrand W. Story and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 2, 1932, Serial No. 620,727

1 Claim. (Cl. 87—9)

The combination, with a mineral oil susceptible to atmospheric oxidation, of a relatively small quantity of a stabilizer comprising beta naphthol and dibenzyl disulphide.

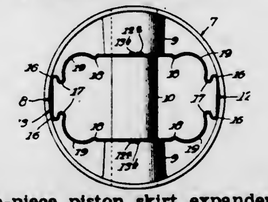
2,000,106

PISTON SKIRT EXPANDER

Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application January 18, 1933, Serial No. 652,279

10 Claims. (Cl. 309—12)



1. A one-piece piston skirt expander formed of flat spring metal and forming a continuous integral oblong figure having a plurality of spaced apart expansion folds adjacent each end.

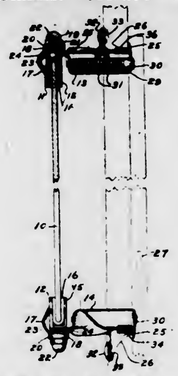
2,000,107

DEFLECTING DEVICE

Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin

Application June 18, 1931, Serial No. 545,235

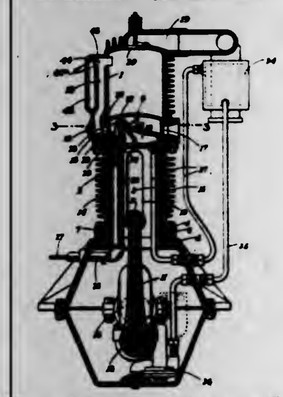
19 Claims. (Cl. 296—84)



13. In combination, a deflector shield, pivot elements secured to the opposite edges of said shield, each of said elements comprising a part

having a spherical surface spaced from the adjacent end of said shield, and brackets having spherical ends interposed between said surfaces and said shield.

2,000,108
TWO-CYCLE GAS ENGINE
Emmitt M. Tucker, Sacramento, Calif., assignor to Tucker Diesel Motor Co. Ltd., a corporation of California
Application February 29, 1932, Serial No. 595,699
10 Claims. (Cl. 123—50)



7. A two-cycle gas engine comprising a fixed head, a piston slidable thereon, a compression chamber in which the piston is slidable, said chamber being closed on its outer end and the piston being closed on that end which is disposed between the head and the closed end of the chamber, a valve closed intake to the head of the chamber, a port in one side of the chamber just beyond the head, the piston having a port to register with the chamber port when the piston is at the outer end of its stroke, a by-pass between the chamber port and the side of the chamber near its outer end, and means to reciprocate the piston; said piston at the end of its outward stroke approaching close to the head of the chamber and closing the adjacent end of the by-pass.

2,000,109
OIL WELL SWAB
Bert E. Tyler, Los Angeles, Calif.
Application February 14, 1933, Serial No. 656,669
2 Claims. (Cl. 309—23)



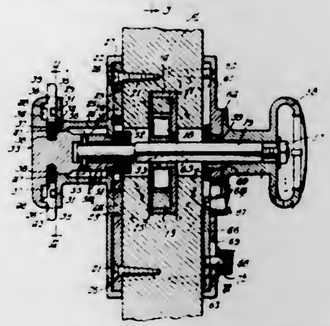
1. A packing structure comprising a pair of cups mounted in opposed relation to each other, and in longitudinal alignment, each of said cups being formed with a cylindrical seat, an expansible packing member having cylindrical portions disposed in the cylindrical seats of the two cups, and an enlarged intermediate portion capable of expansion when the packing member is longitudinally compressed, the end of said expansion member being formed with a circumscribing pressure groove and the ends of the cups being formed with fluid pressure ducts communicating with said grooves whereby fluid pressure will longitudinally compress the expanding member and the edges of said end grooves will be forced outwardly to form a seal with the seat within the cups.

2,000,110
FLOOR SLAB CONSTRUCTION
Frederick M. Vensie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application December 5, 1931, Serial No. 579,326
7 Claims. (Cl. 72—68)



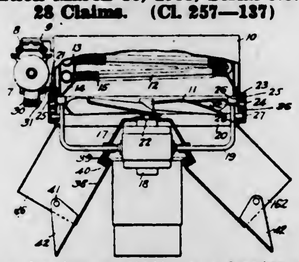
1. In a building construction of the character stated, floor beams, pre-cast floor slabs supported by said beams, a channel iron embedded in each slab end, a channel iron embedded in each slab side, adjacent channel irons of adjacent slabs being arranged to lie one within the other when said slabs are positioned side by side.

2,000,111
KEYLESS LOCK MECHANISM
Paul B. Weis, Aurora, Ill., assignor to S. Eugene Miller, Aurora, Ill.
Application July 28, 1933, Serial No. 682,603
4 Claims. (Cl. 70—58)



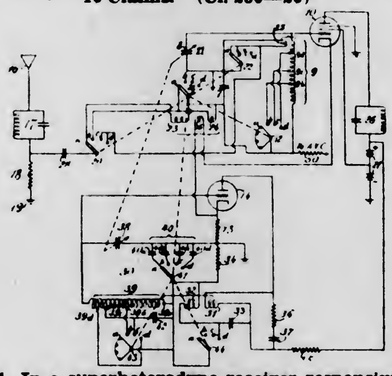
1. In a keyless lock, the combination with a closure member and latch therefor, of a locking plate secured to said member, a cover plate adapted to cover said locking plate and having means engageable with the locking plate to prevent relative movement of said plates, a disc formed integrally with said cover plate, a knob rotatably mounted with respect to said disc, manually actuated locking means operatively related to said knob and disc for preventing relative movement thereof, a shaft connected to said knob and latch, and means for securing said shaft and knob against endwise movement with respect to said member.

2,000,112
HEATER
Harry Stewart Wheller, Elizabeth, N. J.
Application March 30, 1933, Serial No. 663,504
28 Claims. (Cl. 257—137)



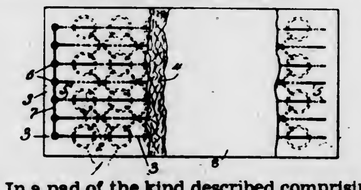
1. In a heater, a stationary heater casing, a heating pipe within the casing, a series of spaced radiator fins carried by the pipe, a motor carried by the casing, a revoluble fan arranged adjacent the casing and coaxially of and driven by the motor to direct air substantially vertically past the pipe and thereby to heat the air, a discharge casing, anti-friction means carried by the heater casing for suspending the discharge casing for rotation relatively to the heater casing, an outlet on the discharge casing arranged to discharge heated air under the influence of the fan in a direction inclined to the vertical, and means including a member operatively connected to the discharge casing for imparting continuous rotational movement to the discharge casing whereby the heated air is given a rotary motion in a generally downward and outward direction and distributed in a continuous stream to all parts of a predetermined area successively.

2,000,113
SUPERHETERODYNE RADIORECEIVER
Harold Alden Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application November 16, 1933, Serial No. 698,280
10 Claims. (Cl. 250—20)



1. In a superheterodyne receiver responsive to signals within a lower and a higher frequency band, having a tunable heterodyne oscillator and a selector tunable to the signal frequency, the arrangement for minimizing the required frequency range of said oscillator, which comprises uni-control means for simultaneously tuning both selector and oscillator, and switching means for maintaining the oscillator frequency higher than the selector frequency in the lower band and lower than the selector frequency in the higher band.

2,000,114
UPHOLSTERING FOR METAL SPRING CONSTRUCTIONS
Frank B. Williams and Harold E. Williams, Carthage, Mo.
Application January 31, 1934, Serial No. 709,122
5 Claims. (Cl. 5—351))

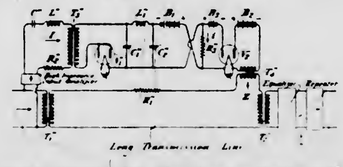


1. In a pad of the kind described comprising an upper cloth sheet and a lower cloth sheet and padding between said sheets, straight parallel resilient wires threaded back and forth through and slidable in said lower sheet and having one set of ends free, and means engaging the other set of ends of said wires and disposed above said lower sheet for holding said wires from substantial longitudinal movement relatively to each other.

2,000,115
ALLOY
Robert T. Wood, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application September 20, 1933, Serial No. 690,293
5 Claims. (Cl. 75—1)

1. An alloy containing from about 0.1 to about 12.0 per cent of tin, from about 0.5 to about 10.0 per cent of aluminum, from about 0.1 to about 1.0 per cent of manganese, and at least one of the class of elements composed of zinc and cadmium in total amount betwen about 0.1 per cent and 5.0 per cent, the balance being substantially magnesium.

2,000,116
TRANSMISSION REGULATION
Sumner B. Wright, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 17, 1930, Serial No. 421,454
4 Claims. (Cl. 178—44)



3. In a circuit for the transmission of alternating currents, a regulating network including a resistance, a variable impedance effectively in series therewith, means responsive to changes in the intensity of the energy impressed on the input of said network for making adjustment of the magnitude of said variable impedance to introduce an auxiliary distortion tending to produce inequality between the ratio of two values at the input of the network and the ratio of the corresponding values at the output thereof, means for correcting such control in accordance with variation of the frequency of the currents impressed on the input of said network, and means for controlling the delay in the action of said network.

2,000,117

OESTRUS EXCITING PRODUCT AND PROCESS OF PRODUCING SAME

Selmar Aschheim, Berlin-Charlottenberg, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany

No Drawing. Application January 13, 1931, Serial No. 508,547. In Germany January 17, 1930

4 Claims. (Cl. 167—74)

1. The process for the production of an oestrogenous substance, which comprises treating bituminous material and derivatives thereof with organic solvents, and isolating said substance from the extract obtained by said treatment.

2,000,118

PYROLYSIS OF HYDROCARBONS

David Bloede, Northwich, England, assignor to Imperial Chemical Industries Limited, London, England, a corporation of England

No Drawing. Application November 5, 1930, Serial No. 493,696. In Great Britain November 12, 1929

2 Claims. (Cl. 260—170)

1. The process of forming acetylene which comprises passing a gas mixture consisting of equal volumes of methane and hydrochloric acid through a tube of non-metallic refractory material at a temperature of 1400–1450° C. and at a space velocity of 6000–9000.

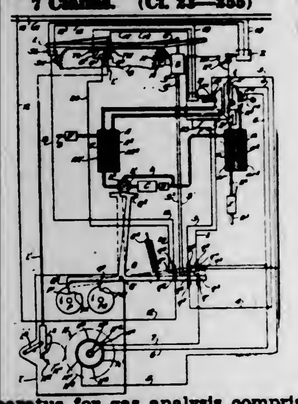
2,000,119

APPARATUS FOR GAS ANALYSES

Richard F. Brown, Philadelphia, and Thomas R. Harrison, Wyncote, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 11, 1930, Serial No. 481,085

7 Claims. (Cl. 23—255)



1. Apparatus for gas analysis comprising two gas analyzing devices, burning means for burning unconsumed combustible constituents of the gas, means normally operative to pass the gas first through one of said devices, then through said burning means and then the other device, measuring means including elements individual to each of said devices and a common measuring instrument adapted to be interchangeably connected therewith, a by-pass about said burning means, periodically operating means connecting said measuring instrument to the elements individual to each of said devices at alternate intervals to separately measure the operative results of said devices and, at less frequent intervals, to divert the gas flow away from said burning means into said by-pass and to connect said instrument and elements to measure any unbalance in the operative results of said devices, and means controlled by said instrument at said less frequent intervals for effecting corrective adjustments of said mechanism tending to eliminate such unbalance.

5. A Wheatstone bridge measuring circuit comprising a bridge energizing source of current and three pairs of bridge arms connected in multiple with one another to said source, the two arms of one pair being of fixed resistance value and the relative resistances of the two arms of each other pair being variable, mechanism normally operative to successively measure the potential differences between the junction of the arms of fixed resistance and the junction of the arms of first one and then the other of the other two pairs of arms at regular intervals, and means operative at less frequent intervals for measuring the potential difference between the last mentioned two junctions and adjusting the said circuit to minimize the last mentioned potential difference.

2,000,120

STAIN AND RELATED COMPOSITION

Edward R. Bush, Lemont, Ill., assignor to Chadeloid Chemical Company, New York, N. Y., a corporation of West Virginia

No Drawing. Application December 20, 1932, Serial No. 648,137

25 Claims. (Cl. 134—48)

7. A shading stain consisting of a water-soluble acid aniline dye in solution in a rapidly volatilizing organic solvent.

10. A dye in organic dispersion comprising a dye material normally insoluble in the common organic solvents, a member of a group consisting of ethylene glycols and alkyl ethers of the ethylene glycols and a common organic solvent as a dispersion medium.

2,000,121

WOOD STAIN

Edward R. Bush, Lemont, Ill., assignor, by mesne assignments, to Chadeloid Chemical Company, a corporation of West Virginia

No Drawing. Application November 5, 1929, Serial No. 405,054

11 Claims. (Cl. 134—48)

1. A wood stain composition comprising a water soluble aniline dye, diethylene-glycol monoethyl ether, methanol and toluol.

2. As a wood stain composition, a water-soluble aniline dye, a volatile solvent therefor including a glycol ether, a volatile hydrocarbon component selected from the group consisting of benzol, toluol, solvent naphtha, xylol, ethyl benzene, and coal tar distillates; and a rapidly volatilizing organic component increasing the rapidity of drying and setting of the composition, said rapidly volatilizing organic component being selected from the group consisting of the aliphatic alcohols, ketones, and the esters of the aliphatic alcohols, the components being present in proportions to yield a substantially light-fast, penetrating, non-bleeding, non-grain raising wood stain.

2,000,122

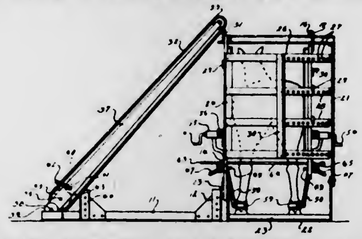
HORSE SHOEING AND VETERINARY RACK

John Duncan Cameron, Dresden, Ontario, Canada

Application February 19, 1931, Serial No. 517,035. Renewed September 1, 1934. In Canada February 19, 1930

6 Claims. (Cl. 119—103)

1. A horse shoeing and veterinary rack including a stationary base; a rectangular body having one side hinged on said base; a second side adjustable toward and away from the first mentioned side of said body; supporting and guiding means for said second mentioned side carried by the first mentioned side of the body; end members for said body carried by the first mentioned side and adapted to be locked on the second mentioned side of the body after adjustment of the latter; said sides and ends of the body being padded on their inner faces contacting with an animal clamped in said rack to prevent injury to said animal; a false bottom for



said body; supporting and suspending means for said false bottom carried by a side of the body; means adjustable on either side of said body for holding firmly the legs of the animal clamped in said body and preventing movement of said legs in any direction; and means operable on said base and connected with the upper edge of the first mentioned side of the body for tilting the body with the animal therein on to said base and returning said body to upright position with the animal therein.

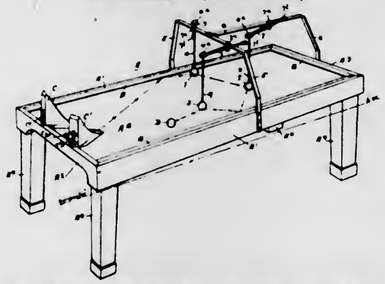
2,000,123

GAME AND GAME APPARATUS

George F. Cahill, New York, N. Y.

Application November 28, 1932, Serial No. 644,579

22 Claims. (Cl. 273—2)



1. A target mechanism for use in a game apparatus, which includes (*a*) a target; (*b*) a supporting means to support said target; (*c*) means for suspending said target from the target-supporting means aforesaid; and (*d*) means between said target and said supporting means, designed and adapted to permit said target to swing when struck but to damp its oscillations and to bring it to rest quickly thereafter.

2,000,124

BRACKET ARRANGEMENT FOR SHELVES OR THE LIKE

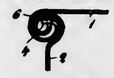
Richard Egidius Carlsson, Stockholm, Sweden

Application December 22, 1933, Serial No. 703,614

In Sweden November 22, 1932

5 Claims. (Cl. 248—19)

1. An adjustable support for shelves, supporting arms and the like comprising a base member provided with a sleeve involute in cross section, a bracket member also provided with a sleeve involute in cross-section telescoping with the



sleeve of said base member and means on each member mutually engageable at the centers of the sleeves.

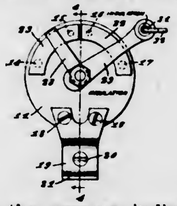
2,000,125

REGULATOR FOR CHARGING GENERATORS

Francis P. Clesi, Charles B. Cousley, and Clarence Meyers, New Orleans, La.

Application September 26, 1932, Serial No. 634,974

1 Claim. (Cl. 201—48)



A device for the purpose indicated comprising a casing formed of complemental disks of equal thickness and means for securing the same together in facing relation, one of said disks being formed with an annular channel concentric with its axis, a resistance element disposed in said channel, a bushing passing centrally through the disks and provided with means for securing the disks together, a spindle journalled in said bushing, contact segments mounted on the outer face of the channel disk and respectively electrically connected with the extremities of the resistance, a contact arm mounted on the spindle and traversing the segment, an actuating arm connected with the spindle and terminally provided with means for operative connection with the throttle lever of an auto vehicle, and binding posts mounted on the casing disks and respectively electrically connected with the spindle and with one of said contact segments, said contact segments being arranged concentrically with the bushing and at the same radial distance therefrom and being of an angular extent equal to approximately half the angular movement of the contact arm, the segments being in end-to-end relation but slightly spaced from each other.

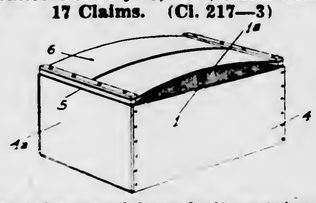
2,000,126

LINING COLLAR FOR FRUIT BOXES

Robert H. Dart, Sacramento, Calif., assignor, by mesne assignments, to Carton Development Corporation, New York, N. Y., a corporation of Delaware

Application January 13, 1930, Serial No. 420,393

17 Claims. (Cl. 217—3)



13. An edge guard for a fruit container having a lid which is bowed outwardly intermediate its ends, leaving a space between the top edge of a

wall of the container and the bowed lid, said guard including a band to be positioned along the top edge of said wall and extending above such edge, said band extending substantially the full distance between two opposite walls of the container, the outer margin of said band being curved on an outbow from substantially one end of the band to the other in approximate conformity with the bowed contour of the lid.

2,000,127
LINGERIE CLASP
Marie Blanche Desrosiers, East Springfield, Mass.
Application October 11, 1934, Serial No. 747,864
4 Claims. (Cl. 24—73)



1. As an article of manufacture, a flat one-piece member having a base portion and integral free inner end portions spaced from the base portion and with their free inner ends spaced from each other, pin means on one of the integral ends for attaching the article to a garment when in use.

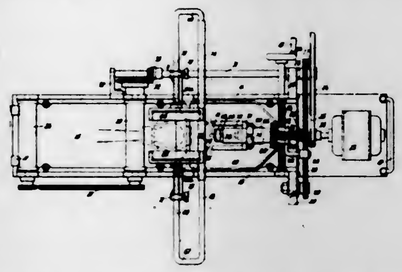
2,000,128
HEEL COVERING MACHINE
William P. Devine, Dorchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 22, 1930, Serial No. 469,752
Renewed July 3, 1933
47 Claims. (Cl. 12—42)



1. A device for applying sheet material to a heel comprising an elastic pad having a pair of arcuate grooves in its upper surface extending longitudinally thereof and forming a portion of a contour approximately that of the development of the outer surface of a shoe heel.

2,000,129
GROOVING MACHINE
Richard A. Dunham, Dayton, Ohio
Application April 14, 1934, Serial No. 720,547
22 Claims. (Cl. 82—4)

1. In a machine for grooving tires and the like, a supporting structure having its front portion adapted to be moved lengthwise beneath a tire, a roller carried by said portion of said structure to engage said tire and rotate the same, a motor mounted on the rear portion of said structure, a cutter supporting device mounted on said structure between said roller and said motor for reciprocatory movement transverse to said structure, a grooving cutter carried by said device and



adapted to engage the periphery of a tire which is being rotated by said roller, means driven by said motor to actuate said roller to rotate said tire against said cutter, and means driven by said motor for imparting reciprocatory movement to said cutter supporting device and said cutter to impart a sinuous form to the groove cut by said cutter.

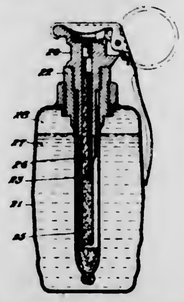
2,000,130
WIDE BAND TRANSMISSION SYSTEM
Lloyd Espenschied, Kew Gardens, N. Y., and Estill I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 16, 1932, Serial No. 647,682
11 Claims. (Cl. 250—9)



1. In a radio system capable of transmitting a band of frequencies whose width is many times the width of the audible frequency range, terminal arrangements whereby said frequency band may be utilized for a plurality of signaling channels, terminal apparatus for transmitting radio signals, a plurality of repeaters for receiving and transmitting radio signals, terminal apparatus for receiving radio signals, and arrangements in at least one of said repeaters for dropping off signaling channels and adding other signaling channels.

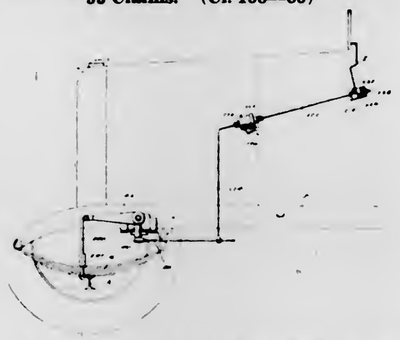
7. In a multiplex transmission system, means for deriving control frequencies lying one above and one below the band of frequencies to be transmitted by the system so that said control frequencies will be separated by a frequency width many times that between adjacent channels, means for transmitting said control frequencies over the system in association with said band of signal frequencies, and means at some point in the system for deriving from said control frequencies a frequency many times as great as the inter-channel separation, whereby the frequency for shifting the entire signal band in the frequency spectrum may be derived by simple harmonic production.

2,000,131
DISABLING AND INCAPACITATING GAS GENERATING CHEMICAL
Byron C. Goss, Cleveland, Ohio, assignor to United States Ordnance Engineers, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 1, 1932, Serial No. 596,103
6 Claims. (Cl. 167—47)



1. A disabling gas generating chemical composition which generates irritating and disabling "suspensions", containing vanillyl-normal-heptoylamide, associated with an auxiliary pressure generating agent.

2,000,132
SHOCK ABSORBER
John W. Gray, Chattanooga, Tenn., assignor of one-half to Bernard V. Curnen, Chattanooga, Tenn.
Application June 4, 1929, Serial No. 368,264
33 Claims. (Cl. 188—88)



1. A spring damping shock absorber for vehicle bodies suspended by springs having a fluid filled cylinder mounting a piston therein for movement in opposite directions from an intermediate position, a fluid reservoir and a circulating passage connecting the reservoir with the cylinder through which passage the fluid is forced in the single direction of the reservoir by piston movement in opposite directions, means for effecting movement of the piston in synchronism with spring movement, and means mounted in said passage and movable in synchronism with piston and spring movement progressively to restrict the flow of fluid through said passage to apply damping force to spring flexure down and up from normal in synchronism to movement of the spring and to its progressively increasing resistance to flexure, and reversely movable progressively to decrease the attained restriction of said passage to progressively decrease damping force applied to rebound of the spring up to and down to normal in synchronism with the rebound movement of the spring and with the progressive decrease of its rebound force.

2,000,133
AZO DYESTUFF
Josef Haller, Leverkusen-Wiesdorf, Germany, assignor, by mesne assignments, to Durand & Huguenin A.-G., Basel, Switzerland, a corporation of Switzerland
No Drawing. Application August 4, 1931, Serial No. 555,136. In Germany August 11, 1930
8 Claims. (Cl. 260—86)

7. As new products azo dyestuffs of the general formula $R—N=N—R_1$ wherein R stands for the radical of an acid leuco sulfuric acid ester of an indigoid vat dyestuff, the azo group being attached to a carbon atom of an aromatic nucleus of said indigoid dyestuff and R_1 stands for the radical of a compound of the group consisting of acetoacetic acid arylides and pyrazolones, being generally water soluble various colored powders, the sulfuric acid ester groups being split off by the action of oxidizing agents in the presence of mineral acid whereby the color is changed.

2,000,134
MANUFACTURE OF HYDROCYANIC ACID
Charles Roberts Harris, Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1933, Serial No. 681,565
10 Claims. (Cl. 23—151)

10. A process for producing hydrocyanic acid comprising preheating a mixture of one volume of ammonia, a hydrocarbon gas equivalent to two to five volumes of methane and five to fifteen volumes of air to a temperature of 400 to 1000° C. and passing the preheated mixture through finely divided wood charcoal at a temperature of 1100 to 1500° C.

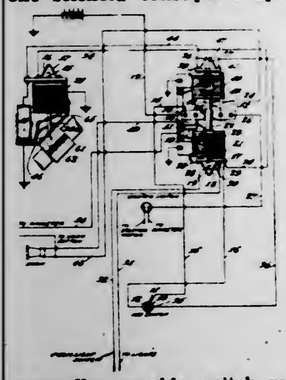
2,000,135
PIGMENT
Friedrich August Henglein, Cologne-Deutz, and Oswin Nitzschke, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 23, 1932, Serial No. 648,723. In Germany January 13, 1932
4 Claims. (Cl. 134—58)

1. Process for preparing green pigments consisting in heating an alkaline-earth metal chromate to a temperature of 700–1300° C. in an atmosphere containing SO_y, y standing for 2 or 3.

2,000,136
AUTOMOBILE THEFT PREVENTING DEVICE
Joseph F. Huss, Charlotte, N. C., assignor of one-half to Burman K. Bialock, Charlotte, N. C.
Application November 28, 1932, Serial No. 644,737
2 Claims. (Cl. 177—314)

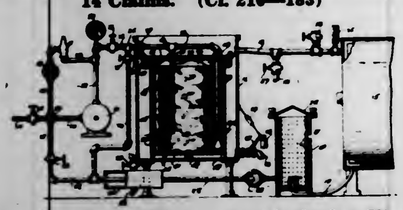
1. In a theft preventing device for automobiles having a battery, a starter switch and a steering shaft, a pair of normally open contacts, one of which is connected to the battery and the other to the starter switch, oppositely disposed solenoids, circuit closing means moved by one of said solenoids into engagement with said contacts for clos-

ing the circuit to the starter switch, circuit breaking means movable with said circuit closing means and operable under actuaton of the other solenoid to break the circuit to the starter switch, separate circuits for said solenoids, means operable by said one solenoid for opening the circuit to said one solenoid consequent upon closing



thereof, manually operable switch means connected to said separate circuits for controlling the closing thereof, locking means for the steering shaft, electrically operated means in circuit with said one solenoid for moving said locking means to released position, and electrically operated means in circuit with said other solenoid for holding said locking means in released position.

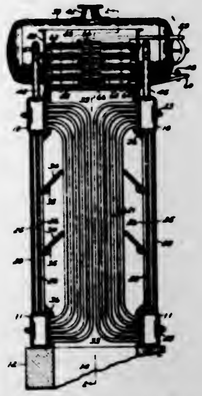
2,000,137
PRESSURE FILTER
Blaine Kelley, Charlotte, N. C.
Application August 19, 1931, Serial No. 558,179
14 Claims. (Cl. 210—183)



14. A pressure filter, a receptacle for filtered solvent having an outlet, a foraminous casing in said receptacle, a filter-bag supported in said casing, and means for delivering the fluid to be cleaned together with a powdered suspended filter-aid into the filter-bag at a point adjacent its lower end and in a direction tangential to the wall of the bag to thus cause a swirling motion of the mixture upwardly within the entire area of the filter-bag whereby the filter-aid is uniformly deposited in the form of a filter-cake upon the wall of the filter-bag throughout the area thereof and whereby also any displaced pieces of the filter-cake will be disintegrated and redistributed and redeposited upon the wall of the filter-bag.

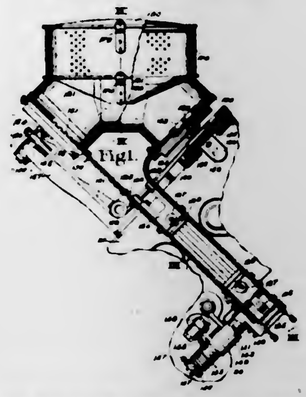
2,000,138
STEAM GENERATOR
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 2, 1932, Serial No. 618,864
13 Claims. (Cl. 122—332)

1. A steam generator comprising four parallel horizontal headers arranged at the four corners of a vertical rectangle, longitudinal walls extending between the upper and lower headers to define a vertical gas passage, a group of vertical tubes located within the gas passage and spaced laterally from said walls, the upper and lower



ends of the tubes being bent laterally and connected to the upper and lower headers respectively, and a plurality of vertically spaced baffles extending between each wall and the tubes to direct gases among the tubes.

2,000,139
FASTENER SUPPLYING MECHANISM
Axel A. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application September 20, 1932, Serial No. 633,973. Divided and this application March 31, 1933, Serial No. 663,786
7 Claims. (Cl. 218—15.1)



1. A fastener-inserting machine comprising a frame, a detachable fastener-supplying unit including fastener-supplying brushes arranged to rotate about angularly related axes, said frame and said unit being provided with cooperative interengaging members for supporting the unit in an operative position, and rotary brush-driving members journaled in said frame to rotate about said axes respectively, said brushes and said driving members being provided with brush-driving lugs arranged to be brought into cooperative relation by arranging said unit in said operative position.

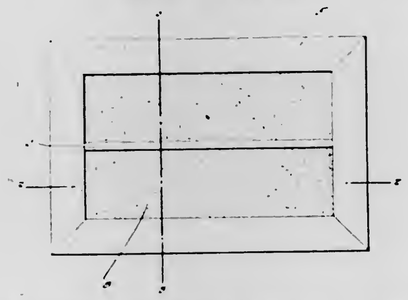
3. A fastener-supplying hopper comprising a lower section having a mouth at the top and one or more ports for emitting fasteners, and a detachable upper section formed to be seated on and supported by said lower section, said sections being provided with cooperative means for connecting them, and the upper section having a depressed bottom wall formed and arranged to cover said mouth and enter the lower section and provided with a restrictive opening through which fasteners may be discharged in small volume at a level substantially lower than said mouth.

7. A fastener-inserting machine comprising a detachable raceway having a socket open at both ends, raceway-supporting means including a member arranged to extend through and beyond said socket, and a spring-stressed latching device mortised into said member to secure the raceway thereon, the latching device normally projecting from one side of said member and being repressible to flush relation therewith to permit its passing through the socket.

2,000,140
PROCESS FOR THE DISTILLATION OF ZINC AND SIMILAR METALS
Arthur Leysner, Magdeburg, Germany, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
No Drawing. Application September 6, 1933, Serial No. 688,414. In Germany September 23, 1932
1 Claim. (Cl. 75—28)

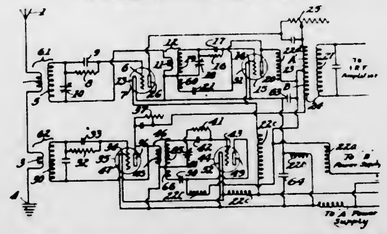
The process of recovering volatilizable metals by reduction of materials containing them, which comprises heating the materials in a rotary muffle, the walls of which are composed at least partly of one or both of the metals nickel and cobalt, while maintaining in the muffle an atmosphere composed principally of carbon monoxide, in order to reduce the materials and volatilize the metals.

2,000,141
SHARPENING DEVICE
Frank Liggieri, Paterson, N. J.
Application December 31, 1934, Serial No. 759,980
1 Claim. (Cl. 51—185)



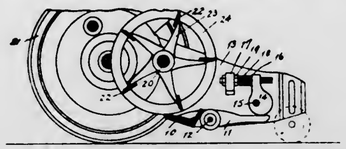
A device of the character described comprising a substantially rectangular frame, a plate member combined within the frame and disposed at an incline, an abrasive sheet covering each side of the plate member, and longitudinal dividing strips arranged in the frame at opposite sides of the plate member and spaced equi-distantly inwardly from opposite sides of the frame.

2,000,142
SYSTEM FOR ELIMINATING STATIC
Casper N. Loewenstein, Columbus, Ohio
Application June 8, 1933, Serial No. 674,859
3 Claims. (Cl. 250—20)



1. A radio hook-up for the elimination of static including two detector circuits each having a detector tube, and a radio frequency transformer having a split primary, the sides of which are connected respectively with the plate elements in the said detector tubes, one detector circuit being tuned to receive a desired signal with static and the other detector circuit being tuned to as close a frequency as possible to that of the first circuit but with static and no signal, vacuum tube oscillators for each detector circuit for producing the same beat frequency in the grid circuits of the detector circuits, whereby the beat frequencies from the plate circuits of the detector tubes will be equal but opposed in the opposite sides of the said split primary of the radio frequency transformer.

2,000,143
LAWN MOWER
Harry Greaves Nall, Sydney, New South Wales, Australia
Application May 13, 1932, Serial No. 611,209. Renewed October 26, 1933. In Australia May 14, 1931
3 Claims. (Cl. 56—294)

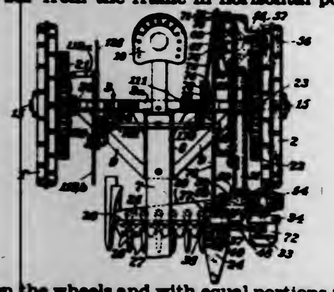


1. A lawn-mower comprising in combination a framing, a reel, a substantially horizontal bottom cutting-blade pivotally mounted on a pin at each side of the framing, a rearwardly-extending arm secured to each end of the blade, and cam-faced members pivoted on the framing and adapted to contact with the rear portions of said arms.

2,000,144
MOWING MACHINE
Mike Holt Newlin, Sanford, N. C., assignor of one-half to Thomas B. Upchurch, Jr., Raeford, N. C., and one-half to Edwards Railway Motor Company, Sanford, N. C., a corporation of North Carolina
Application May 5, 1933, Serial No. 669,618
46 Claims. (Cl. 56—272)

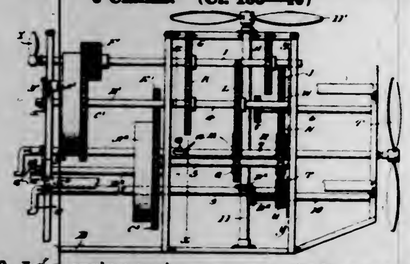
1. A mowing machine for harvesting a crop planted between rows of corn, the machine having an over-all width adapting it to move between two adjacent rows of corn, the machine including a wheel supported frame, a cutter bar and co-

operating knife bar shorter than the width of the frame and cutting a path less than the distance between the wheels, means supporting the cutter bar from the frame in horizontal position



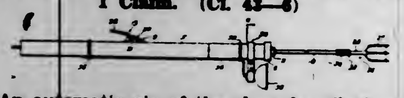
between the wheels and with equal portions thereof located at opposite sides of the longitudinal center of the machine, and means disposed within the wheel tracks for operating the knife bar.

2,000,145
SELF WINDING SPRING MOTOR
Antonio Pate, North Providence, R. I.
Application October 20, 1931, Serial No. 569,988
6 Claims. (Cl. 185—40)



3. In a spring motor, a power shaft, a spring driving unit composed of two spring driven gears, a separate train of gearing connecting each gear to the power shaft, a second spring driven unit composed of two spring driven gears, a gear meshing with the two last mentioned gears and driving a shaft having gears adapted to mesh with one or both of the trains of gearing whereby both units may drive the power shaft or the first unit rewind the second unit.

2,000,146
AUTOMATIC GIG
Marco M. Penn, Tampa, Fla.
Application September 18, 1933, Serial No. 689,964
1 Claim. (Cl. 43—6)



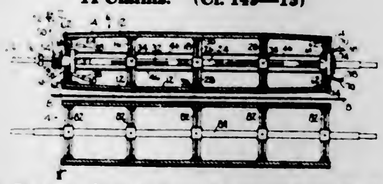
An automatic gig of the class described comprising a longitudinally elongated cylindrical barrel forming a handle and casing, one end of said casing being externally threaded, a guide bushing in said end, a cap screw threaded on said end for securing said bushing therein, a plunger rod mounted for reciprocation in said bushing, a guide collar adjustably mounted on the inner end of said plunger rod, a retractible spring having one end secured to said guide bushing, and the outer end to said guide collar, and trigger means on said barrel cooperable with said plunger rod to hold it in retracted position and to permit it to be automatically projected when released.

2,000,147
NONPERFORATED CHANNEL ASSEMBLY
Elon C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application August 7, 1931, Serial No. 555,793
2 Claims. (Cl. 45—138)



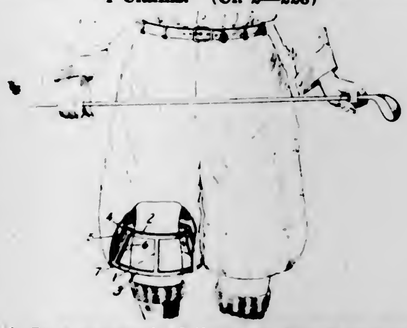
2. A metal reinforced trim panel, consisting of a body provided with openings adjacent an edge thereof, a metal reinforcement secured to said edge and including an unperforated skirt portion extending partially over said openings so that the heads of spring fasteners may be positioned in said openings and engaged on said skirt portion through the uncovered part of said openings.

2,000,148
MACHINE FOR TREATING HIDES, SKINS, LEATHER, AND OTHER SIMILAR PIECES OF WORK
Karl Rausch, Dresden, Germany, assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application April 10, 1933, Serial No. 665,318
In Germany June 3, 1932
11 Claims. (Cl. 149—15)



1. In a machine for operating upon hides, skins and pieces of leather, a work treating roll having an intermediate cylindrical portion and tapered or conical end portions, and means for simultaneously adjusting the tapered end portions to vary the inclination thereof with respect to the cylindrical portion of the roll.

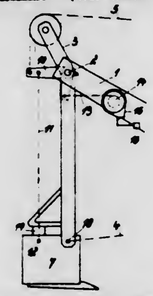
2,000,149
GARMENT
Morris Reich, Columbus, Ohio
Application August 9, 1934, Serial No. 739,172
4 Claims. (Cl. 2—228)



1. In a garment of the type described having a leg portion, a stiffening unit of substantially

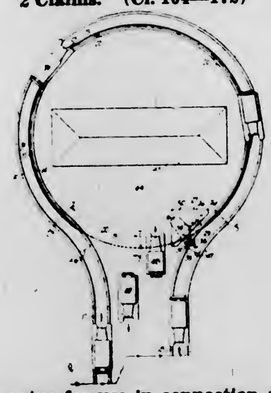
frusto-conical form disposed within said leg portion with the smaller end disposed substantially at the extreme end of the leg portion and the larger end spaced within the leg portion, means for fastening the smaller end of the unit to said leg portion, the end of said leg being turned inwardly and upwardly upon itself to produce a blouse effect.

2,000,150
EXCAVATOR
Heinrich Siebert, Duisburg, Germany, assignor to Demag Aktiengesellschaft, Duisburg, Germany
Application January 27, 1933, Serial No. 653,791
In Germany February 5, 1932
8 Claims. (Cl. 214—138)



1. An instroke excavator comprising a jib, a haft member supported by and rotatable upon the said jib, a shovel movable relatively to and supported by the haft member, a braking element adjustable upon the said jib independently of the said haft member, a hoisting cable connected with the braking element and engaging the haft member, and a link between the braking element and the shovel such that the braking element being retained in fixed relation to the jib the haft member may be swung by the hoisting cable while the shovel retains its angular disposition in space.

2,000,151
WASH RACK FOR AUTOMOBILES
Samuel J. Silverman, Portland, Oreg., assignor to Gillespie Auto Laundry System, Inc., Chicago, Ill., a corporation of Delaware
Application May 10, 1927, Serial No. 190,365
2 Claims. (Cl. 104—172)

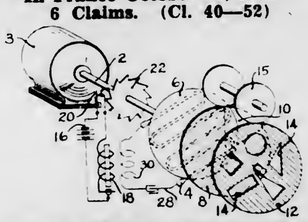


2. Apparatus for use in connection with automobile washing systems comprising a runway for automobiles; the same including a stationary and substantially circular portion around which the automobiles are adapted to be moved and respective entrance and exit stationary portions spaced apart from each other in relative parallelism substantially and co-operable with the circular portion to enable a continuous lane of automobiles to successively enter the circular portion from the entrance portion while another continuous lane of automobiles are successively conducted to the exit portion from the circular portion; means for slowly moving the automobiles around the circular portion as they pass thereinto from the entrance portion and to occupy positions for successive discharge onto the exit portion; and means in the circular portion and the entrance and exit portions for guiding the automobiles during translation thereof.

2,000,152
STABILIZATION OF FORMALDEHYDE SOLUTIONS
Joseph Frederic Walker, Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1932, Serial No. 619,957
29 Claims. (Cl. 23—250)

1. A method for preventing polymer precipitation in an aqueous formaldehyde solution comprising adding thereto stabilizing amounts of a water-soluble, organic nitrogen compound capable of reversibly reacting with formaldehyde at temperatures below 30° C. to form a water-soluble compound.

2,000,153
METHOD AND APPARATUS FOR PRODUCING VISUAL EFFECTS
Arthur C. Watson, Marietta, Ohio.
Application October 20, 1932, Serial No. 638,825
In France October 20, 1931
6 Claims. (Cl. 40—52)

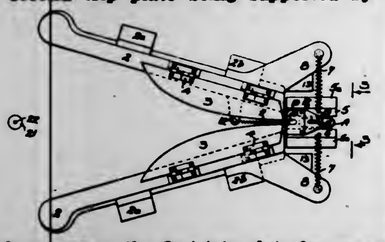


1. A method which consists in causing substantially instantaneous intermittent illuminations throughout an area, cutting off the illumination from a constantly changing portion of such area and cutting off a constantly changing portion of the remaining illumination, the space between successive illuminations and the duration thereof being sufficient to satisfy the requirements for critical frequency for continuous visual sensation and also for the critical frequency for brilliance and producing visual effects of appreciable duration.

2,000,154
PICK-UP AND DELIVERY SYSTEM
Edward John White and Arthur S. Garove, Detroit, Mich.
Application April 16, 1934, Serial No. 720,738
8 Claims. (Cl. 258—1)

2. A pick-up and delivery system comprising a ground station and a travelling element consist-

ing of a cable having a control member depending therefrom, two identical trip plates to each of which a package is secured, means on the ground station detachably supporting one trip plate, a pivoted catch in the control member, the second trip plate being supported by the



catch, means on the first trip plate for engaging the cable so that the latter may slide through said trip plate until it rests upon the control member, and means in the control member actuated by the weight of the first trip plate thereon for moving the catch pivotally and releasing the second trip plate.

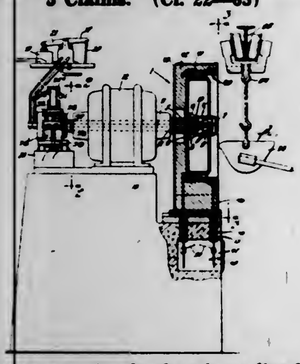
2,000,155

APPARATUS FOR FORMING BRAKE DRUMS

John William White, Detroit, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application July 30, 1932, Serial No. 626,266

5 Claims. (Cl. 22—65)



1. In an apparatus for forming a lined annular member, the combination with a rotatable chuck for the annular member, means for rotating said chuck, means for braking said chuck and means for operating said chuck, of means for heating the annular member to a temperature to cause effective fusing thereof with the molten metal which forms the lining, common means controlling the operation of said rotating means, braking means, operating means, and heating means, and means for pouring molten metal into the annular member.

2,000,156

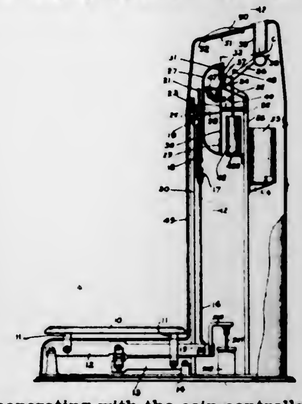
COIN SCALE

George E. Wood, Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 23, 1933, Serial No. 672,385

5 Claims. (Cl. 194—95)

1. In a coin scale, a load platform, weighing mechanism controlled thereby including a concealed load indicator, means for bringing the load indication of the indicator into view, coin controlled mechanism for receiving a coin for a limited, predetermined interval after which the coin is automatically released independently of the weighing mechanism, the coin controlled mechanism being effective upon reception of a coin for causing operation of said means, a de-



vice cooperating with the coin controlled mechanism for delaying operation of said means to retard exposure of the load indication until the indicator is substantially at rest, and means controlled by the coin mechanism after release of the coin for restoring said first-named means to initial, non-exposing position regardless of the operation of said weighing mechanism.

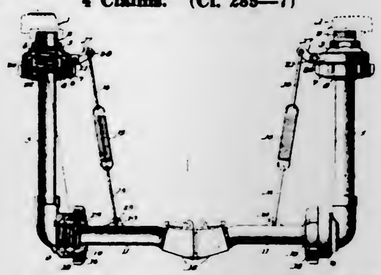
2,000,157

TRAIN PIPE CONNECTER

Francis N. Bard, Highland Park, Ill., assignor to Barco Manufacturing Co., Chicago, Ill., a corporation of Illinois

Continuation of application Serial No. 148,434, November 15, 1926. This application August 29, 1932, Serial No. 630,777

4 Claims. (Cl. 285—7)



1. A train pipe connecter comprising a flexible metallic conduit structure adapted to be suspended from the end valve of a railway car and resilient supporting means arranged to hold the horizontal member in its normal operating position when not attached to the corresponding coupler head of an adjoining car, said resilient supporting means being flexibly attached at its upper end to a support which does not move relatively to the car and at its lower end to the horizontal member in such a manner that the points of support are equidistant from centers of rotation between articulated parts of the flexible connecter and said centers and points

of support are the vertices of a parallelogram by virtue of which the resilient supporting means will hold the horizontal member in its normal position when the connecter is not in service and will allow flexing of the connecter in service without increased tension on the resilient supporting means in any position of the connecter.

2,000,158

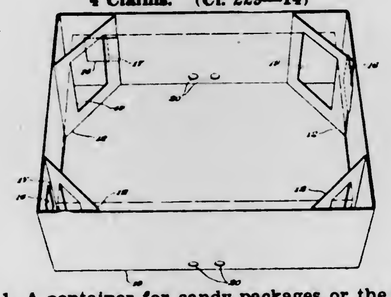
CONTAINER FOR CANDY PACKAGES AND THE LIKE

David Black, Newton, and James Reid, Braintree, Mass., assignors to H. D. Foss and Company, Inc., Cambridge, Mass., a corporation of Massachusetts

Application June 11, 1932, Serial No. 616,688

Renewed July 27, 1934

4 Claims. (Cl. 229—14)



1. A container for candy packages or the like comprising a closure of generally rectangular outline supports positioned in the corners of a height corresponding to the interior of the closure, the corner supports being tubular and having slots in the walls adapted to engage the package, the slots corresponding substantially in height to that of the package to prevent displacement of the latter and to maintain the package completely removed from the surrounding walls of the closure when assembled therein, the corner supports being readily removable together with the package from within the closure.

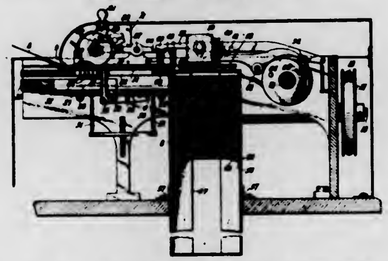
2,000,159

TICKET MACHINE

Andrew Bolognino, New York, N. Y.

Application May 12, 1931, Serial No. 536,890

9 Claims. (Cl. 164—42)



1. In a machine of the character disclosed, the combination of a ticket guide, a stop gage associated with said guide and positioned to positively stop a ticket inserted in said guide, ticket feeding means for engaging a ticket so inserted in the guide, a controller positioned for actuation by a ticket engaged with the stop gage and power actuated means governed by said controller for retracting the stop gage and operating the ticket feeding means.

2,000,160

COMPOSITION OF MATTER AND PROCESS OF PRODUCING POROUS MATERIAL

William Edward Broeg, Chicago, Ill., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application August 10, 1928, Serial No. 298,872. Renewed September 20, 1934

9 Claims. (Cl. 99—10)

1. A yeast free composition of matter containing gum karaya and urea for the purpose of leavening baking powder products.

2,000,161

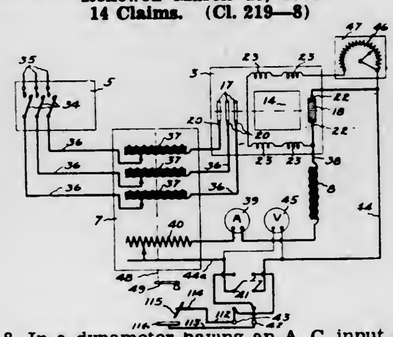
ARC WELDING APPARATUS

Lynn S. Burgett, Euclid, Ohio

Application August 18, 1928, Serial No. 300,408

Renewed March 15, 1934

14 Claims. (Cl. 219—8)



8. In a dynamotor having an A. C. input side and a D. C. output side, inductance connected in the A. C. side in series so as to obtain drooping voltage characteristics in the D. C. output, and resistance connected in series in the D. C. side likewise to cause drooping voltage characteristics in the D. C. output.

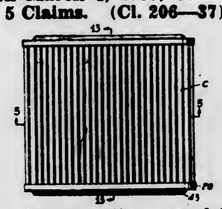
2,000,162

RECEPTACLE

Christian A. Buscham, Newark, N. J., assignor to Exotic Vanities, Inc., New York, N. Y., a corporation of New York

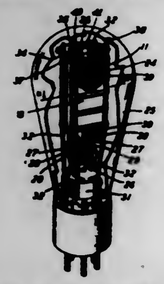
Application March 4, 1935, Serial No. 9,149

5 Claims. (Cl. 206—37)



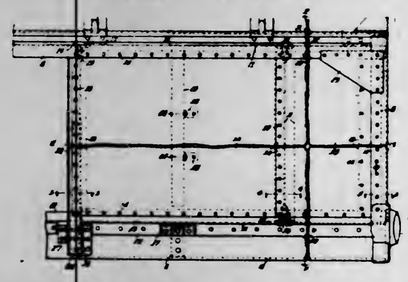
1. A cigarette or vanity case of the character described, comprising a shell having side walls, said walls having lugs, a pair of side pieces, each of said side pieces having an inwardly depressed central portion and perforations in said portion in register with said lugs, said lugs projecting through said perforations and being bent over whereby said side pieces are secured to said walls, each of said side pieces having a continuous channel surrounding the wall to which it is secured, and an articulated closure in slidable engagement with said channels, said closure comprising a plurality of strips of material transversely arranged and means for connecting said strips together.

2,000,163
METHOD OF MOUNTING ELECTRODES
James R. Clark, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1934, Serial No. 738,422
6 Claims. (Cl. 250—27.5)



1. The method of assembling hollow grids for discharge devices which comprises forming an inner and an outer grid, placing the inner grid within the outer grid with the laterals in alternate relation, and stretching the grids to a point beyond the elastic limit to secure a permanent set in the laterals, whereby the laterals of one grid will be in the same plane as the laterals of the other grid.

2,000,164
HOUSE CAR
Frank Ditchfield, Cleveland, Ohio, assignor, by direct and mesne assignments, of one-half to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio, and one-half to Pressed Steel Car Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 12, 1933, Serial No. 670,725
3 Claims. (Cl. 105—409)



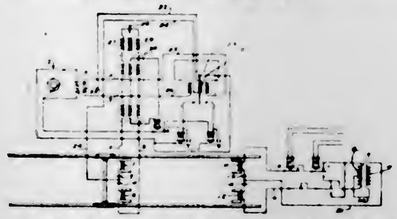
1. A house car having a side door opening comprising: an underframe including a metal side sill; a side plate; metal door and intermediate side posts disposed outwardly of the plane of the side sill and having their lower ends extended downwardly below the top of the side sill and secured to the latter; means for securing the upper ends of said posts to the side plate; sheet metal sheathing between each door post and corner of the car secured along its upper edge to the side plate and to the outer sides of said posts, the lower edge of said sheathing terminating above the bottom ends of said posts; and angular sectioned metal members, each extending between a pair of posts and secured respectively to the corresponding adjacent lower portions of the metal sheathing and to the side sill.

2,000,165
ACOUSTIC DEVICE
John R. Erickson, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1934, Serial No. 706,021
10 Claims. (Cl. 179—107)



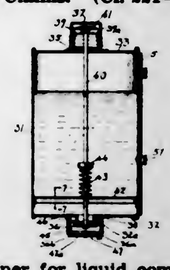
4. A bone conduction receiver comprising an armature, means for actuating said armature, resilient means supporting said armature, said resilient means comprising parallel strips of spring metal, one end of each of which is joined by a substantially diagonally disposed strip of spring metal, and means movable with said armature and resilient means for engagement with the head bones of a user.

2,000,166
RAILWAY SIGNAL SYSTEM
Lloyd Espenschied, Hollis, N. Y.
Application August 24, 1926, Serial No. 131,146
7 Claims. (Cl. 246—63)



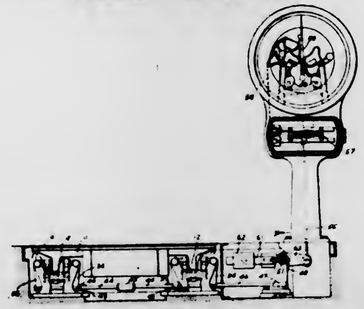
1. A wayside circuit for train control purposes comprising two inductors, means for connecting the two inductors in parallel with each other in the circuit for transmission in one direction, from or to the train, and in series with each other in the circuit for transmission in the reverse direction, means in the wayside for interconnecting the two superimposed paths thus formed, together with means on the train whereby energy is received from said wayside circuit to the substantial exclusion of the energy which is transmitted into it.

2,000,167
LIQUID DISPENSER
James Formañ, Astoria, Long Island, N. Y., assignor to Florence B. Bohack, New York, N. Y., doing business under the name of Progress Supply Company
Application February 13, 1934, Serial No. 711,005
4 Claims. (Cl. 221—16)



1. A container for liquid comprising a closed member having a filling spout and discharge opening, spring pressed valve means normally closing said discharge opening, a closure cap surrounding said discharge opening and having an opening therein, a disk on the exterior of said closure cap provided with an opening adapted to be moved into alignment with the closure cap opening and manual means normally extending outwardly of said filling spout for operating said valve means to open the discharge opening.

2,000,168
SCALE BASE SYSTEM
William N. Gilbert, Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 15, 1932, Serial No. 586,777
5 Claims. (Cl. 265—71)

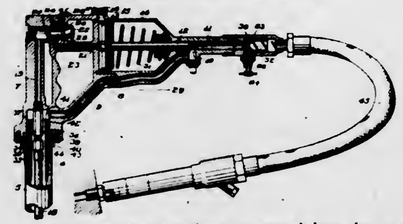


1. In an equilibrium machine, a factor lever, a member movable downwardly under the influence of a load force and connected to a point of said factor lever unequally distant from the ends of the latter to divide the latter into two unequal arms bearing unequal divisions of the force applied by said member at said point, a pair of lever elements immovable relatively to each other, each having a load arm and a power arm with the load arm connected to one of said factor lever arms, said lever elements being fulcrumed to tend to rock in opposite directions under the influence of the force divisions applied thereto by said factor lever, a force counterbalancing device, and operative connections between the device and the power arm of each lever element to influence the device in accordance with the resultant of the forces transmitted by said power arms to the latter connections.

2,000,169
PROCESS OF PRODUCTION OF MALT SIRUP
Herbert C. Gore, Scarsdale, and Stephen Józsa and Charles N. Frey, New York, N. Y., assignors to Standard Brands Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application January 11, 1930, Serial No. 420,280
5 Claims. (Cl. 99—11)

4. The process of manufacturing a stable, highly concentrated malt sirup which includes as steps, in combination, preparing a mash including starchy materials, water and a malt which has been prepared by short germination and drying at a relatively high temperature, converting the starch into sugar by rapidly bringing the mash to a temperature in the neighborhood of 70° C. to avoid excess proteolysis and holding until the starch reaction is no longer obtained, subsequently heating the mash to a temperature in the neighborhood of 90° C. to destroy effectively the proteolytic enzymes, separating the wort from the mash and concentrating to about 80% solids or over.

2,000,170
LUBRICATING MEANS
Russell J. Gray, Minneapolis, Minn.
Application June 28, 1932, Serial No. 619,748
7 Claims. (Cl. 221—47.3)

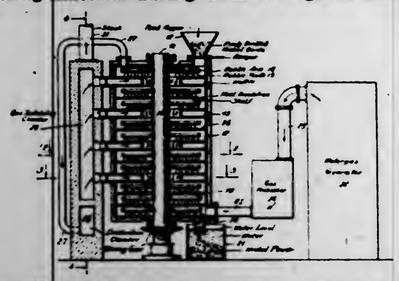


1. A lubricating system comprising in combination a tubular housing having a large diameter low pressure lubricant cylinder nearer the intake end thereof, and having a small diameter and high pressure lubricant cylinder nearer the discharge end thereof, a piston unit movably mounted within said housing, having a large diameter low pressure lubricant actuated piston operatively disposed within said low pressure cylinder, and a small diameter high pressure lubricant expelling piston operatively connected therewith and disposed in cooperative relation to said high pressure cylinder, a lubricant passageway extending through said pistons, and normally interconnecting the intake end and the discharge end of said housing, a check valve carried in the discharge end of said lubricant passageway adapted normally to permit the free flow of lubricant therethrough, but adapted to close when the pressure of lubricant ahead of the pistons increases, a spring of predetermined strength operatively interposed between said housing and said pistons, tending to urge the latter towards the intake end of said housing, pneumatic lubricant dispensing means flexibly connected to the intake end of the aforesaid housing through a flexible lubricant conduit, said pneumatic grease dispensing means including a lubricant expelling piston operatively disposed within a lubricant cylinder, a larger diameter air-actuated piston operatively disposed within a pneumatic cylinder and operatively connected with said lubricant piston, and means for delivering lubricant to said lubricant cylinder at a relatively low pressure, and for delivering compressed air to said pneumatic cylinder at a relatively low pressure;—the effective area of the first-mentioned low pressure lubricant actuated piston and the strength of the first mentioned spring being so proportioned with relation to each other and to said last-mentioned air-actuated piston and said last-mentioned lubricant-expelling piston, as to cause the first-mentioned low and high pressure pistons totravel forward against the force of the first-mentioned spring at a pressure somewhat below the maximum pressure which the last-mentioned lubricant-expelling piston is capable of delivering to the intake end of the aforesaid housing.

2,000,171
REDUCTION OF OXYGENEOUS NICKEL OR NICKEL COPPER COMPOUNDS
Anton Martin Gronningsaeter, New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada
Application August 15, 1933, Serial No. 685,225
In Norway August 27, 1932
2 Claims. (Cl. 75—66)

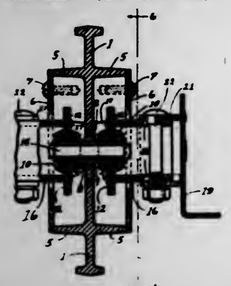
1. The improvement in the method of preparing reactive metallic nickel powder by the re-

duction of nickel oxide, nickel-copper oxide and the like, which comprises progressively advancing the nickel oxide bearing material in finely divided form through a reduction zone in a direction generally countercurrent to and in direct contact with hot reducing gases, and at the same time indirectly heating the nickel oxide bearing material during its first stages of move-



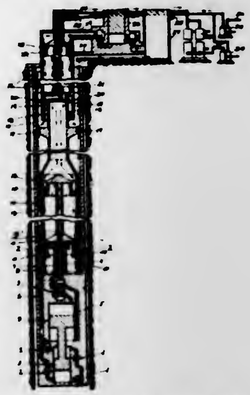
ment through the reduction zone, said hot reducing gases being introduced into the final stage of the reduction zone at a temperature between 500–700° C. to heat the material directly during its final stages of reduction and to maintain the treated material leaving the reduction zone at a temperature between 400–550° C. whereby sintering of the material is avoided and a highly reactive nickel powder is obtained.

2,000,172
HINGE
Walter M. Hansen, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 23, 1933, Serial No. 694,748
4 Claims. (Cl. 155—86)



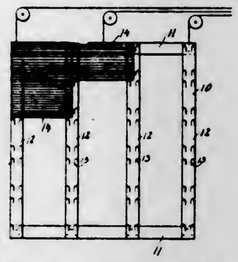
1. In a structure of the class described, a supporting member having a plane surface provided with a rivet receiving aperture, a solid spherical element whose opposite sides are parallelly truncated to form flat side faces and provided with a rivet receiving aperture disposed transversely with respect to the parallel plane surfaces of the spherical element, a pair of flat plates each having a cupped portion provided with an aperture therein for permitting the passage of a rivet and rotatably embracing the spherical element on its opposite sides and whose flat surfaces are secured to each other, and a rivet passing through said apertures and extending entirely through the spherical element and engaging the side face thereof remote from the supporting member for securing the spherical element to the supporting member with one of the plane surfaces of the spherical element in juxtaposition to the plane surface of the supporting element to thereby form a semi-universal joint between the spherical element and said plates.

2,000,173
APPARATUS FOR TRANSMITTING ENERGY
Irving C. Harris, Los Angeles, and Harry W. Doubrava, Beverly Hills, Calif.
Application March 25, 1932, Serial No. 601,156
16 Claims. (Cl. 103—45)



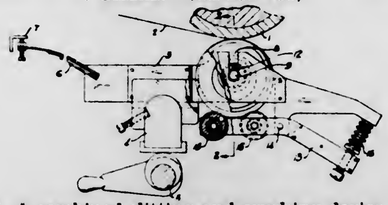
1. In apparatus of the character described, pumping means at the upper end of the apparatus, strings of tubing, connected to the pumping means and connected together at their lower ends in a manner to form a circuit through which a circulation of fluid may be maintained by the pumping means; a separator, near the lower end of the strings of tubing, adapted to separate gas from liquid; an energy using device adapted to receive gas from the separator; a mixer adapted to receive gas from the said device and return it to the circulation of fluid; means of conveying gas from the said device to the mixer; and means of introducing gas into the circulation of fluid.

2,000,174
TALKING PICTURE SCREEN
Harry Hertsberg, Brooklyn, N. Y.
Application September 7, 1934, Serial No. 743,042
5 Claims. (Cl. 88—24)



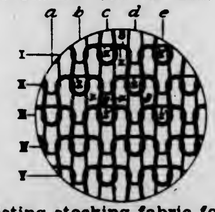
2. A screen for moving pictures comprising a frame, a plurality of panels supported on one side of said frame, each of said panels being folded of a single sheet of material having longitudinal slots therein and bars between said slots, said bars overlapping each other forming vanes and said slots forming sound passages between said vanes when folded.

2,000,175
COMBINED SLITTING AND CRUSHING DEVICE
Robert McC. Johnstone, Short Hills, and Leopold C. Borios, West Englewood, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 9, 1934, Serial No. 739,088
7 Claims. (Cl. 164—65)



5. A combined slitting and crushing device for webs of flexible material including in combination with a backing member: a crushing element comprising a pair of rotatable crushing wheels spaced apart and adapted to engage and crush the adjacent slitted edges of a web of flexible material as said web passes in contact with the backing member; a slitting element comprising a rotatable score-cut slitter centrally disposed between the crushing wheels to slit said flexible material against the backing mem-the edges of said end grooves will be forced outber; two pivotally supported and spring-pressed carriers one of which is mounted on the other, one carrier for the crushing element and the other for the slitting element; rotatable means on one of the said carriers to engage the periphery of one of said elements; and means to move the carriers toward the backing member to thereby place both carriers under spring tension.

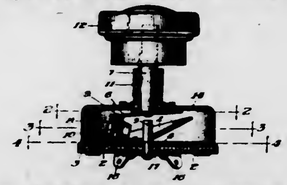
2,000,176
RUN RESISTANT FABRIC
Harry E. Katzenmoyer, Laureldale, Pa., assignor to Fisher Hosiery Co., Inc., Reading, Pa., a corporation of Pennsylvania
Application September 23, 1932, Serial No. 634,524
1 Claim. (Cl. 66—172)



A run-resisting stocking fabric formed of circular courses of loops knitted of two continuous threads, said courses having alternate loops of both threads with intermediate loops of one thread and floats of the other thread, and the single loops in one course engaging loops of both threads in the next course whereby the fabric wales have alternate loops of both threads with intermediate loops of one thread.

2,000,177
RHEOSTAT
Mahlon W. Kenney, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 5, 1932, Serial No. 591,079
13 Claims. (Cl. 201—55)

1. A rheostat comprising a resistor in the form of an interrupted ring, a terminal contact arranged within said resistor, a contact member having a conical contact portion mounted to roll in a circle upon said resistor and said terminal contact to electrically bridge the same, and an actuator having a driving roller rotated and revolved thereby upon said contact member to roll the same upon said resistor and terminal contact.



12. In a rheostat, a resistor having a substantially circular contact portion, a contact terminal having a substantially circular contact portion, means for mounting said resistor and said contact terminal in spaced relationship with one inside the other, a contact member having a conical contact portion arranged to roll simultaneously on the contact portions of the resistor and the contact terminal to electrically bridge the same, and actuating means for the contact member to roll its conical contact portion along the contact portions of the resistor and contact terminal.

2,000,178
RHEOSTAT
Mahlon W. Kenney, Berwyn, Ill., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1932, Serial No. 611,625
4 Claims. (Cl. 201—55)

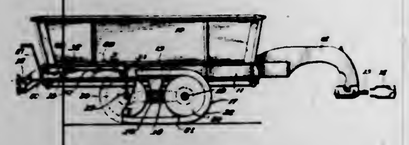


1. In a rheostat, a housing having spaced walls, one of which provides a base, a resistor mounted on the base and having a circular contacting surface facing the other wall, a contact disk having a conical portion in rolling engagement with the contacting surface of the resistor, an actuating shaft journalled in said other wall, a resilient arm non-rotatably connected with the shaft, a roller carried by the free end of the arm and engaging the contact disk to hold its conical portion in engagement with the resistor contacting surface at a location determined by the position of rotation of said arm, a terminal carried by the base and permanently electrically connected with the resistor, a second terminal permanently electrically connected with the said other wall, and said resilient arm having direct contact with a permanent part of said other wall maintained by the resiliency of the arm which also holds the roller down onto the contact disk with spring tension.

2,000,179
TRAILER JACK
Joseph Kuchar, Chicago, Ill., assignor to Athey Truss Wheel Co., Chicago, Ill., a corporation of Illinois
Application January 23, 1933, Serial No. 653,042
7 Claims. (Cl. 280—6)

1. In combination, in a wagon of the cart type, a wagon body, a wheeled sub-structure on

which said wagon is pivotally mounted, a flexible element connected to said wheeled substructure and to said body, and force multiply-

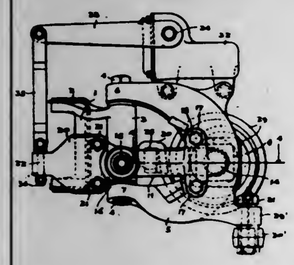


ing means mounted on said body adapted to apply tension upon said flexible element to cause the wagon body to tilt.

2,000,180

INDIVIDUAL WHEEL SUPPORT FOR MOTOR VEHICLES

John Wycliffe Leighton, Port Huron, Mich.
Application July 19, 1933, Serial No. 681,084
8 Claims. (Cl. 267—20)



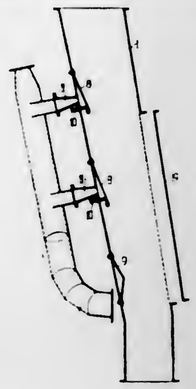
1. A wheel support for motor vehicles, comprising a member pivoted to swing laterally on the vehicle frame, an arm mounted on the wheel axle and having a threaded oscillating bearing in said laterally swingable member to swing vertically, said threaded bearing presenting an extensive end thrust bearing area to restrict end play between said arm and swingable member, and spring means interposed between the laterally swingable member and the vertically swinging arm to limit the swinging movement of the latter arm.

2,000,181

SEPARATION OF POWDERED OR GRANULAR MATERIAL, ESPECIALLY COAL

Rudolf Lessing and Roland Herbert Allen, London, England, assignors to The Clean Coal Company Limited, London, England, a British company
Application November 30, 1931, Serial No. 577,972
In Great Britain December 4, 1930
2 Claims. (Cl. 209—139)

1. In apparatus for the separation of powdered or granular material especially coal by means of an upflowing gas current, a separator in the form of a tubular member slightly inclined to the vertical having an outlet port at its lower end for removal of coarse material, a gas port near its lower end for supply of gas to produce an upflowing gas current in said separator and an inlet port at a higher level for supply of material to be separated and said separator also having a substantially flat lower side below said inlet port, deflectors projecting from said flat lower side to guide solid materials away from said flat lower side and supplemen-



tary gas inlet means associated with said deflectors.

2,000,182

METHOD OF MAKING WELDING ROD OR FLUX HOLDER

John C. Lincoln, Cleveland, Ohio, assignor to the Union Trust Company, Cleveland, Ohio
Original application January 29, 1920, Serial No. 354,950, now Patent No. 1,722,929, dated July 30, 1929. Divided and this application December 15, 1928, Serial No. 326,309
7 Claims. (Cl. 219—8)



1. The herein described method of manufacturing a welding rod which consists in progressively forming a flat strip of sheet metal to substantially U-shape, progressively packing the U-shaped portion tightly with powdered fluxing material and progressively bending the edges of the strip inwardly over the tightly packed fluxing material to form a tube enclosing said fluxing material.

2,000,183

METHOD FOR WORKING UP AURIFEROUS AND CUPRIFEROUS ARSENICAL PYRITES

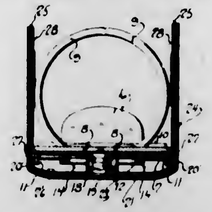
Axel Rudolf Lindblad, Djursholm, Sweden
No Drawing. Application June 13, 1934, Serial No. 730,535. In Sweden February 19, 1934
5 Claims. (Cl. 75—62)

1. Method for working up auriferous and cupriferous arsenical pyrites or arsenical pyrites in mixture with sulphur pyrites, characterized thereby that a part of the ore is roasted in the ordinary way and smelted for getting matte, which is subjected to blast treatment in a converter, whereas another part of the ore, after having been subjected to roasting, is charged direct into the converter, so as to be blasted together with the matte from the first mentioned part of the ore that has been smelted in a suitable furnace.

2,000,184

LOOSE LEAF BINDER

Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 13, 1933, Serial No. 680,223
3 Claims. (Cl. 129—9)

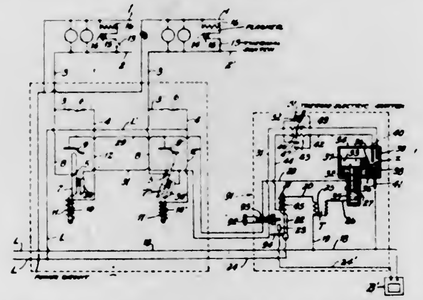


1. In a loose leaf binder, separable ring sections, a base plate channel-shaped in cross section, means on the outer face of the base plate to separably mount the ring sections, a back plate channel-shaped in cross section and wider than the base plate, means to connect said plates with the base plate nested in the back plate, mechanism to shift the ring sections disposed in the space between the nested back and base plates, and covers carried by the back plate.

2,000,185

ALARM CIRCUIT

Roger W. McBrien, Alton, and Norval F. Wilson, East Alton, Ill.; said Wilson assignor to said McBrien
Application December 28, 1931, Serial No. 583,434
2 Claims. (Cl. 177—356)

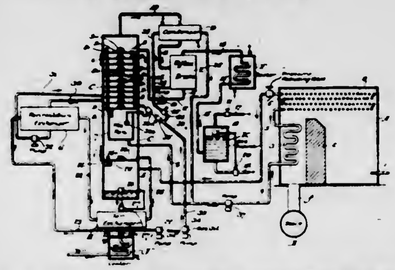


1. A combined power and alarm system comprising a power circuit connected to a source of power and including a fuse in series therewith, a two-step electromagnetically operated device having a stepping magnet for controlling the stepping thereof normally connected in shunt to said fuse, a normally open alarm switch, an intermittent interrupter having interrupting contacts and control means therefor, a connection across the power circuit including in series the alarm switch, the interrupter contacts and the interrupter control means, the capacity of the fuse being such that upon the occurrence of a short across the power circuit or upon the closure of the alarm switch the fuse will blow, thereby diverting current to the stepping magnet and cause the stepping magnet to step the two-step device one step, switching means operated by the first step of the device for opening the first magnet circuit by disconnecting the power source from the power circuit and preparing a second circuit therefor, means for differentiating between the intermittent closure of the power circuit by the intermittent interrupter and a permanent short across the power circuit including means for closing a first circuit in response to the operation of the intermittent means and this circuit and a second circuit in response to a permanent short and for closing the first circuit a predetermined time after closure of the second circuit, means also operated on the first step of the device for associating the power circuit with the differentiating means, means operated by the closure of the first differentiating circuit for controlling an alarm circuit and means controlled by the closure of the second differentiating circuit for completing the second stepping magnet circuit and means controlled by the second step of the device for disassociating the differentiating means from the power circuit to thereby prevent further response of the differentiating means to the power circuit.

2,000,186

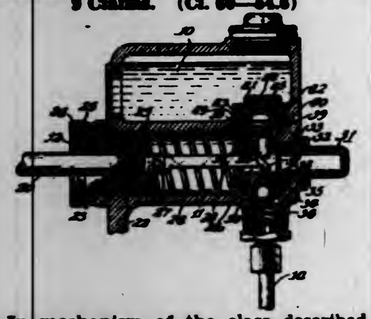
CONVERSION OF HYDROCARBON OILS

George B. Murphy, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1929, Serial No. 353,872
2 Claims. (Cl. 196—48)



1. A process for converting relatively high boiling hydrocarbon oils into lower boiling oils, which comprises passing a high boiling distillate through a heating zone of restricted cross-sectional area, raising the temperature of the oil during its passage through the heating zone to effect conversion of a substantial portion thereof, maintaining superatmospheric pressure on the oil while in the heating zone, reducing the pressure on the cracked products and introducing them into a vaporizing zone at lower pressure whereby vaporization of sufficiently and insufficiently cracked products is effected, passing the vapors produced to a dephlegmating zone, separating the insufficiently cracked portion by condensation therein, returning said portion to the cracking zone for further conversion, continuously removing liquid from a point in the dephlegmating zone, passing said liquid in indirect heat exchange with a secondary charging stock containing high boiling constituents unsuitable for cracking and lower boiling components suitable for cracking whereby the secondary charging stock is heated and the removed liquid cooled, returning the removed liquid to the dephlegmating zone at a point adjacent the point of withdrawal, introducing the secondary charging stock into the vaporizing zone to effect vaporization of a lower boiling portion thereof, passing the vapors produced to the dephlegmating zone in mixture with the vapors of the cracked products, and withdrawing from the vaporizing zone the nonvolatile portion of the reaction products in mixture with the residue of the secondary charging stock.

2,000,187
MASTER CYLINDER
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application October 17, 1932, Serial No. 638,060
9 Claims. (Cl. 60—54.6)



1. In mechanism of the class described, the combination of a fluid reservoir, a master cylinder, there being a passageway connecting said master cylinder with said reservoir, a conduit system supplied with fluid under pressure from said master cylinder, valve means interposed between said cylinder and said reservoir, valve means interposed between said cylinder and said conduit system, a piston in said cylinder having a single part contacting with and controlling both of said valve means, and means for reciprocating said piston.

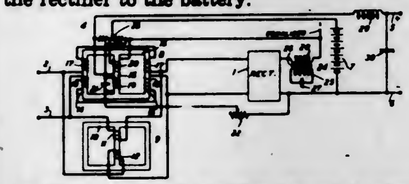
2,000,188
PAPER RECEPTACLE AND PROCESS OF MAKING SAME
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application June 26, 1934, Serial No. 732,494
2 Claims. (Cl. 206—46)



1. An inspectable mailing package comprising a receptacle of flexible material containing a magazine, booklet or the like with one of the free edges thereof facing the mouth of the receptacle, the two edges of the mouth each having a flap extending inwardly and interleaved within the leaves of the magazine, booklet or the like, the relative size of the receptacle as compared with the contents being such that the distance between the ends of the inturned flaps and the bottom of the receptacle is less than the corresponding dimension of the magazine, booklet or the like.

2,000,189
REGULATED RECTIFIER
James R. Power, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 19, 1934, Serial No. 706,910
16 Claims. (Cl. 175—363)

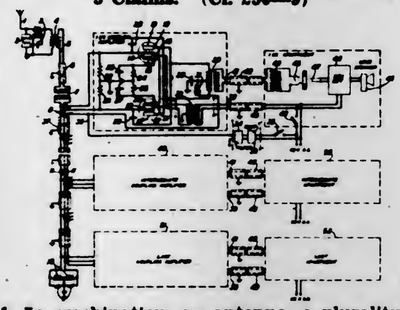
2. In a regulated rectifier, a rectifier for supplying rectified current to a load circuit, an impedance network for connecting said rectifier to an alternating current supply circuit to compensate for supply circuit voltage variations, a storage battery connected across said load circuit, and means for completely compensating the rectifier action for current supplied by the rectifier to the load circuit and for partially compensating the rectifier action for charging current supplied by the rectifier to the battery.



7. In a regulated rectifier system, a plurality of rectifiers adapted to supply rectified current to a load circuit, a bridge circuit for connecting each of said rectifiers to an alternating current supply circuit, said bridge circuits serving to compensate for supply circuit voltage variations, and load compensating means associated with each rectifier for compensating the rectifiers according to the load and for insuring that each rectifier carries a proportional share of the load.

12. In a regulated rectifier, a rectifier for supplying rectified current to a load circuit, an inductive impedance network for connecting said rectifier to an alternating current supply circuit and for compensating for supply circuit voltage variations, and means in the rectifier output circuit comprising a parallel tuned circuit resonant to a frequency somewhat below the rectifier ripple frequency for shifting the phase of the current supplied to the rectifier to increase the voltage output.

2,000,190
RADIO RECEIVING SYSTEM
Francis X. Rettenmeyer, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1931, Serial No. 559,847
5 Claims. (Cl. 250—9)



1. In combination, an antenna, a plurality of receiving sets connected thereto, and a plurality of neutralized push-pull amplifiers at least one of which is included between each of the said sets and the antenna.

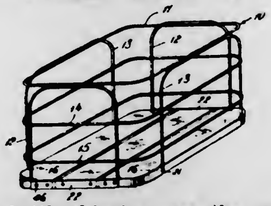
2,000,191
DOOR-STAY
John Riebe, Bronx, N. Y.
Application August 16, 1934, Serial No. 739,220
1 Claim. (Cl. 292—336)

In combination with a hinged door and its frame, a lock on the door including a casing having a pair of lugs projecting therefrom beyond the edge of the door and defining a slot therebetween the inner end of which is defined by the outer side wall of the lock casing, a bolt slidable in said lugs across said slot, a keeper member in the form of a rod pivoted at one end to the door frame and having formed therein a substantially U-shaped open loop for insertion within the slot of the lock with the open side of the loop disposed outwardly, the bolt being projectible through said loop to secure the keeper member to the door, the keeper member being straight on either side of said loop and the center of said loop being disposed substantially in line with the axes of said



straight portions, and the inner end of said slot being spaced from the adjacent side of said bolt by an amount to maintain the center of said loop substantially alined with the axis of said bolt when the latter is in a locking position extending through said loop, whereby the keeper member is held against being disengaged from the bolt by lateral movement of said keeper member toward the lock and whereby any opening or closing force exerted upon the door is transmitted by the bolt to the keeper member substantially directly in line with the straight portions of the keeper member.

2,000,192
SHIPPING CASE
Harold E. Rue and Elof Nordstrom, East Orange, N. J., assignors to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey
Application May 19, 1932, Serial No. 612,212
9 Claims. (Cl. 217—19)



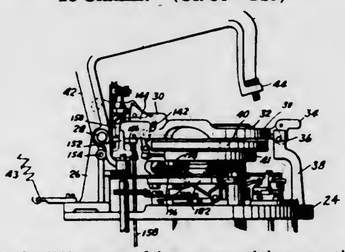
1. In a bottle shipping case, the combination of a fabricated wire having an upper horizontal hand rail extending laterally from the adjacent bottles, a base for the frame, a removable liner within the frame resting on the base and spaced from the hand rail, and a removable bottle separator within the liner.

2,000,193
INSECT TRAP
George T. Schroder, New York, N. Y.
Application March 1, 1929, Serial No. 343,782
6 Claims. (Cl. 43—121)



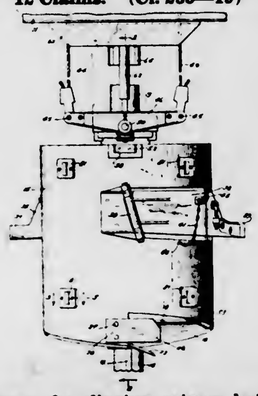
1. In an insect trap of the type having walls forming an enclosure and adapted to retain bait, an entrance member for insects comprising a funnel shaped member having an elongated opening at the inner end with the major axis of the opening adapted to extend in a horizontal direction, and the sides of said member adjacent to the ends of said axis being slit toward the other end of the member.

2,000,194
KNITTING MACHINE
Stanley R. Shelmire, Laconia, N. H., assignor to Standard-Trump Bros. Machine Company, Laconia, N. H., a corporation of Delaware
Application July 8, 1933, Serial No. 679,511
16 Claims. (Cl. 66—140)



1. A knitting machine comprising a circular series of needles and devices cooperating therewith for the formation of stitches, said devices including wrap fingers arranged to feed wrap yarns to the needles for the production of designs, means for alternately feeding main yarns to the needles during the rotary knitting of each course of a split portion of fabric, said means being operated to produce a limited overlap of the main yarns on each side of the fabric, and means for clamping and cutting the main yarns as they are taken out of action during the formation of each course.

2,000,195
AUGER BUCKET FOR MACHINES FOR DIGGING CAISSONS AND THE LIKE
Ewald H. Siebel, Chicago, Ill.; Emeline R. Siebel, executrix of said Ewald H. Siebel, deceased, assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y., a corporation of Connecticut
Application September 6, 1932, Serial No. 631,850
12 Claims. (Cl. 255—19)



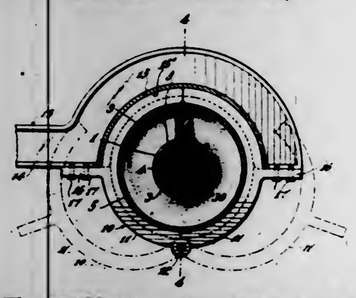
1. An auger for digging caisson holes and the like, comprising a cylindrical bucket having radial earth receiving slots in its bottom and pro-

vided with digging elements for digging on the floor of the hole and delivering the excavated earth through said slots into said bucket, and means within the bucket for discharging the excavated earth received through said slots out through the slots in a tangential direction after the bucket has been removed from the hole for discharge.

2,000,196

PNEUMATIC SUSPENSION FOR VEHICLES

Harold B. Simmons, Caldwell, N. J.
Application November 6, 1933, Serial No. 696,792
5 Claims. (Cl. 267—35)

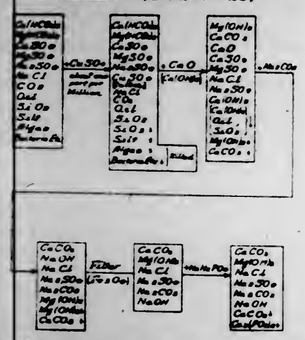


1. The combination of a chassis, an axle, an annular resilient cushion mounted on and encircling the axle in close relation thereto and having a peripheral groove, an annular strap in said groove encircling said cushion and having a substantial portion of its periphery in direct contact with said chassis, and means fastening said strap to said chassis.

2,000,197

METHOD OF TREATING WATER

Robert M. Smith, Youngstown, Ohio
Application April 27, 1932, Serial No. 607,694
4 Claims. (Cl. 210—33)

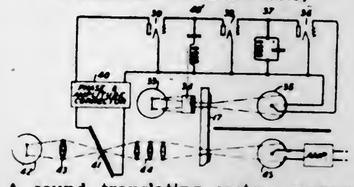


1. A method of water treatment which comprises the steps of adding copper sulphate to the water in proportion of approximately one part per million to thereby destroy living organisms and precipitate slime and other organic materials, treating the water with lime to neutralize acidic compounds therein and precipitate the copper, adding sodium carbonate to precipitate scale forming compounds, filtering through magnetite ore, and finally adding mono-sodium phosphate in an amount less than that theoretically required to precipitate all residual dissolved calcium and magnesium compounds.

2,000,198

SOUND AND PICTURE SYSTEM

Edwin H. Smythe, Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1933, Serial No. 697,903
9 Claims. (Cl. 179—100.3)



1. A sound translating system arranged to minimize relative motion between sound translating elements having two sound translating means for translating a sound track for sound reproduction and a reference track for registering momentary film irregularities in velocity of a frequency which causes noticeable sound pitch variation, and means for shifting the sound track translating means commensurate with the irregularities registered by said reference track.

2,000,199

METHOD OF SEALING BATTERY POSTS

Harold D. Stanley, Bloomfield, N. J., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 26, 1931, Serial No. 518,327
1 Claim. (Cl. 136—176)



In a lead-sulphuric acid battery, the method of obtaining an acid-tight seal around a battery post where it comes through the cover, which consists in forming an undercured cover of rubberlike insulating material with a threaded hole therein, also forming a hollow threaded bushing of suitable metal with a flange, screwing the bushing into the cover hole from the top until the flange engages the outer surface of the cover, then placing the cover in position over the battery plates so the post passes through said bushing, then autogenously joining the end of the post with the bushing and to other added metal as desired utilizing the flange for assisting in adding said other metal, the action of the sulphuric acid acting on the threads of the cover to cure them, whereby the bushing is securely gripped.

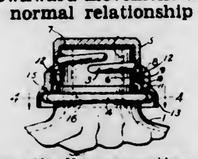
2,000,200

CONTAINER CLOSURE MEANS

Spencer Jay Teller, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application July 20, 1934, Serial No. 736,141
3 Claims. (Cl. 215—7)

1. The combination in a container closure means, of an internally threaded closure adapted to engage an external thread on a container and to close the container opening, a preformed readily breakable indicator member structurally separate from the closure and adapted to be put in place on the container after the closure is in

place, the said member being shaped to interengage with the closure to prevent substantial relative rotation, a normally concealed means permitting downward movement of the indicator member into normal relationship with the clo-

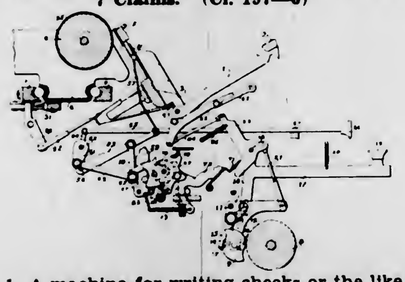


sure but automatically preventing upward movement out of such relationship, and means on the indicator member adapted to engage with the container and thereby break the said member when the closure and member are turned to unscrew the former.

2,000,201

APPARATUS FOR WRITING CHECKS

Russell G. Thompson, Rochester, N. Y., assignor to Electromatic Typewriters, Inc., Rochester, N. Y., a corporation of New York
Application October 23, 1931, Serial No. 570,599
7 Claims. (Cl. 197—6)



1. A machine for writing checks or the like by ink-printing on both sides of the paper and impregnating the paper with the ink from both sides thereof comprising a frame, a platen thereon, an inking ribbon secured to the platen to move therewith and arranged to engage the reverse side of a work sheet thereon, a type bar movable to and from printing engagement with the platen or the work sheet thereon, a second inking ribbon positionable between the type bar and the work sheet, and perforating types on the type bar for perforating the work sheet and penetrating the ribbon on the platen and operative to carry ink from said ribbons to the work sheet when withdrawn therefrom.

2,000,202

PROCESS FOR THE RECOVERY OF SUGAR AND SALTS FROM SUGAR CANE MOLASSES

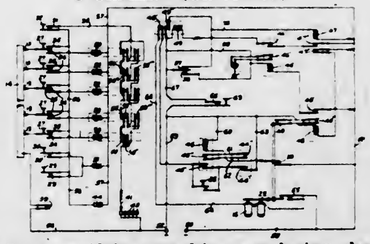
Eugenio Antonio Vazques, Habana, Cuba
No Drawing. Application October 25, 1932, Serial No. 639,486. In Cuba July 20, 1932
13 Claims. (Cl. 127—47)

1. A process for extracting organic acids from molasses, which comprises treating the molasses with sulphuric acid, alcohol and a non-solvent of sugars but solvent of such organic acids as have been liberated by the sulphuric acid; selected from the group consisting of, chlorinated hydrocarbons, aromatic hydrocarbons, aliphatic hydrocarbons, ethers, esters and aliphatic acids and separating the solution containing these organic acids from the mass containing the sugars and inorganic salts.

2,000,203

CARD VERIFIER

Hermann Adalbert Weinlich and Ulrich Kölm, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 5, 1930, Serial No. 459,401
In Germany December 24, 1929
8 Claims. (Cl. 73—51)



1. In a verifying machine, analyzing devices adapted to sense perforations in the columns of a record card, means for advancing a record card past said analyzing devices, keys, means jointly controlled by said analyzing devices and said keys for causing said advancing means to advance the record card column by column, a skip key adapted to cause said advancing means to uninterruptedly advance a plurality of card columns past said analyzing devices and means controlled by said analyzing devices upon sensing a perforation in any of said plurality of columns for suppressing further operation of said advancing means.

3. In a machine adapted to verify index points of a card column, a relay associated with a plurality of index points, means cooperating with a hole in the card to energize said relay, a plurality of keys one for each index point, means operative upon actuation of the key corresponding to the index point in which a hole occurs, to deenergize said relay and means controlled by the actuation of any other of said keys for preventing deenergization of said relay upon subsequent depression of the correct key.

8. In an electric verifying machine, means for sensing perforations in a plurality of index point positions of a column of a record card, circuits completed through said perforation by each sensing means, means including keys one for each perforation position adapted to open said circuits when depressed in accordance with the location of said perforations and means for preventing opening of all of said circuits until more than one of said keys are depressed.

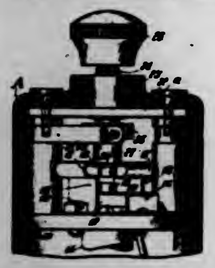
2,000,204

VIBRATORY CURRENT INTERRUPTER

Willis A. Whipple, Chicago, Ill.
Application January 28, 1932, Serial No. 589,410
2 Claims. (Cl. 200—90)

1. In a device of the character described involving coils, a vibratory current interrupter comprising the combination of a pair of contact points; means whereby one of said points is yieldingly held in normal spaced relation with a terminal of one of the coils; means whereby the other contact point is yieldingly held spaced and in axial alignment with the first mentioned contact point and consisting of a leaf spring bent to provide a flat horizontally disposed portion, to the underside whereof and intermediate of opposite ends said contact point is affixed, the ends of said spring being curved back beneath and substantially parallel with the contact point car-

rying portion while the immediate ends are then bent downwardly into supporting legs disposed vertically between the vertical planes of the curved ends whereby the horizontally disposed contact holding portion is free to flex and move bodily; and a regulating member adjustably se-



cured above said contact holding portion and provided at its lower end with a removable non-conducting stud adapted to engage the horizontally disposed portion of the leaf spring and thereby force said portion with its contact point toward the first mentioned contact point.

2,000,205
TENT CONSTRUCTION
Cecil M. Wickstrum, Omaha, Nebr.
Application May 16, 1934, Serial No. 725,969
13 Claims. (Cl. 135—4)



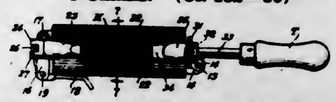
10. The combination with a tent frame having eaves bars, of an auxiliary supporting member, a clamp at one end of the auxiliary supporting member and adapted to clamp over an eaves bar, removably clamping the supporting member to the frame.

2,000,206
COMBINATION SINK PLUG AND VACUUM CUP
Joseph Yesowitch, Brooklyn, N. Y.
Application March 23, 1934, Serial No. 717,038
7 Claims. (Cl. 4—295)



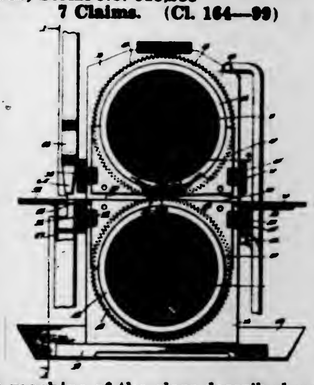
1. The combination with a sink plug or stopper having a chain extending therefrom; of a vacuum cup attached to the end of the chain and adapted to hold said chain.

2,000,207
PERMANENT WAVING APPLIANCE
Max Arnold, New York, N. Y.
Application October 29, 1934, Serial No. 750,485
8 Claims. (Cl. 132—36)



1. An appliance of the class described, for use in waving hair, comprising a pair of clamping elements connected together hingedly at one end to permit bodily divergent and convergent movements of said elements swingingly relatively to each other, said appliance being further characterised by having said elements so hinged as to permit an overlapping of adjacent marginal edges of said elements when closed together.

2,000,208
SHEET METAL PUNCH MACHINE
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application December 11, 1931, Serial No. 580,415, which in turn is a division of Serial No. 479,734, September 4, 1930, now Patent No. 1,843,438. Divided and this application June 3, 1932, Serial No. 615,233
7 Claims. (Cl. 164—99)

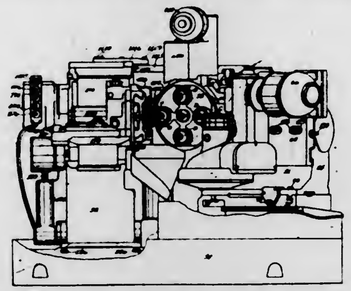


1. A machine of the class described comprising opposed die members, and a cleaning instrumentality comprising a blower and a grid disposed adjacent the die members for cleaning a sheet of material immediately it passes from the die members, said grid being substantially flush with the path of travel of the sheet from said die members.

2,000,209
MACHINE FOR PRODUCING GEARS
Oliver F. Bauer and William R. Carpenter, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application August 9, 1932, Serial No. 628,069
23 Claims. (Cl. 90—9)

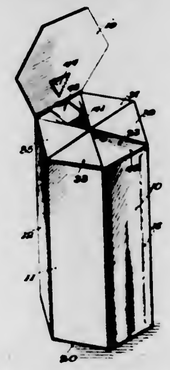
1. In a machine for producing taper gears, a work support, a plurality of work spindles mounted on a work support, a tool support, two separate tool mechanisms mounted on the tool support comprising, respectively, a rotary milling cutter and a pair of reciprocating planing tools, means for periodically indexing the movable support to cause the two tool mechanisms to be brought progressively into operative relation with the different blanks caried by the different

work spindles, means for producing relative feed movements between the two tool mechanisms and the work spindles with which they are, respectively, in operative relation after each periodic movement of the movable support, and means for



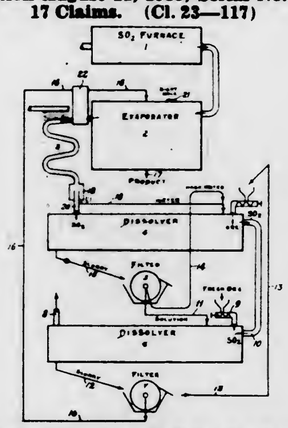
rotating each work spindle and simultaneously producing a relative translatory movement between said work spindle and the planing tools during the time each work spindle is in operative relation with the planing tools.

2,000,210
CARTON
John L. Bayless, Anchorage, Ky., assignor to Jefferson Island Salt Company, Louisville, Ky., a corporation of Kentucky
Application December 8, 1933, Serial No. 701,528
7 Claims. (Cl. 229—17)



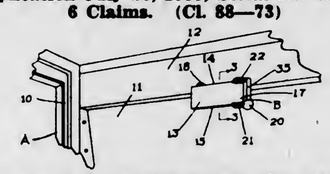
1. In a polygonal carton, an end closure comprising a polygonal flap of the same shape as but of size slightly smaller than the cross-section of said carton secured to one of the side panels of the carton and forming the innermost portion of said closure, said flap lying within the carton with its free edges and corners so disposed as to brace the carton from within, a second polygonal flap of similar shape secured to another of the side panels of the carton and forming the outermost portion of the end closure, and a plurality of relatively smaller polygonal flaps secured one to each of the remaining side panels and lying between said inner and outer polygonal flaps, said flaps thereby providing a continuous covering for every external edge of the end of the carton, said inner and outer polygonal flaps being provided with overlying cutaway and readily removable portions, respectively, constituting a means for dispensing the contents of the carton.

2,000,211
MAKING MANGANESE SULPHUR COMPOUND
Howard B. Bishop, Summit, N. J.
Application August 11, 1933, Serial No. 684,623
17 Claims. (Cl. 23—117)



1. The improvement in the art of making manganese sulphur compounds which consists in passing relatively cool SO_2 into a slurry of manganese ore containing MnO_2, separating the resultant manganese sulphate solution as a relatively cool liquid and causing said cool solution to impart, in part at least, to the SO_2 used in the first step its relatively low temperature.

2,000,212
GUARD
Neil H. Bradley, Minneapolis, Minn.
Application July 26, 1933, Serial No. 682,227
6 Claims. (Cl. 88—73)

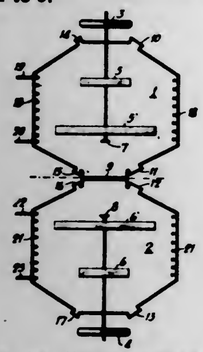


5. A guard for application to the rear vision mirror of a motor vehicle, said guard comprising two gripping members of channel shape having facing grooves for the reception of the upper and lower edges of the mirror, said members extending along the upper and lower edges of the mirror and terminating at their inner ends intermediate the lateral edges of the mirror, and a web extending between said members at their inner ends for connecting said members together, said guard being constructed of a resilient material.

2,000,213
PROCESS FOR THE MANUFACTURE OF HYDROXY CARBOXYLIC ACIDS
Gesa Braun, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application July 18, 1932, Serial No. 623,106
23 Claims. (Cl. 260—112)

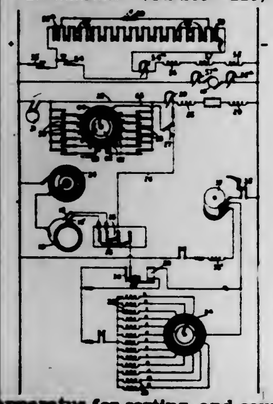
1. A process for the production of hydroxy carboxylic acids which comprises converting a dicarboxylic acid compound belonging to the group consisting of the acids and their salts and having an ethylene structure contiguous to the

carboxyl groups into a corresponding hydroxy acid compound by oxidation in a liquid medium in the presence of a catalyst belonging to the group consisting of osmium, ruthenium, vanadium, iron and manganese compounds, the ratio of the dicarboxylic acid compound having an ethylene structure to the liquid medium being initially greater than 1 to 5.



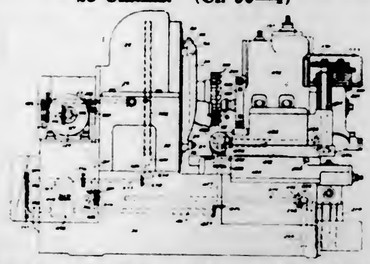
5. A process for the production of hydroxy carboxylic acids, which comprises converting fumaric acid into a tartaric acid by oxidation in an aqueous medium by means of a derivative of an oxide of chlorine in the presence of osmic acid, the ratio of fumaric acid to water being initially greater than 1 to 5.

2,000,214
APPARATUS FOR SORTING AND COUNTING FROM STATISTICAL RECORD-CARDS
Charles Campbell, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 19, 1930, Serial No. 496,690
In Great Britain December 13, 1929
14 Claims. (Cl. 209—110)



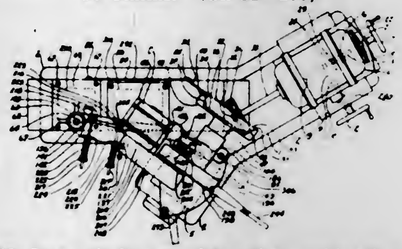
1. In apparatus for sorting, and counting from, statistical record cards, the combination with a series of card receptacles, of sorting mechanism, a plurality of change-over devices each associated with a separate one of the receptacles for actuation as the result of the associated receptacle becoming fully loaded, and automatic mechanism operable by the actuation of one of the change-over devices to cause the sorting mechanism to pass the cards to the next receptacle in the series.

2,000,215
MACHINE FOR PRODUCING GEARS
Leonard O. Carlson, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application February 27, 1932, Serial No. 595,558
25 Claims. (Cl. 90—4)



1. In a machine for producing gears, a frame, a work-spindle journaled in the frame, a full circular cradle rotatably mounted on the frame and adjustable thereon through an angle of 360°, a carriage adjustable radially on the cradle, a carrier adjustable angularly on the carriage about an axis parallel to the axis of the cradle, a swivel head adjustable angularly on the carrier about an axis perpendicular to the axis of the carrier, a tool support mounted on said carrier means for rotating the work-spindle and cradle on their respective axes, and a tool mounted on said tool support for movement in a longitudinally curved path across the face of a gear blank.

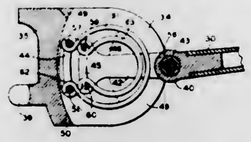
2,000,216
GRINDING MACHINE
Gustave A. Carlson, Detroit, Mich.
Application July 1, 1933, Serial No. 678,589
32 Claims. (Cl. 51—100)



28. In a grinding machine, the combination of a member suitably mounted, a second member supported on and pivotally connected with said first mentioned member, means for locking said second member against pivotal movement, cam means suitably supported by said second member and providing a cam groove, a carriage reciprocatingly mounted, a guiding arm pivotally mounted on said carriage and engaging the cam groove of said cam means, resilient means suitably mounted to oppose the pivotal movement of said second member, and work holding means pivotally mounted on said guiding arm.

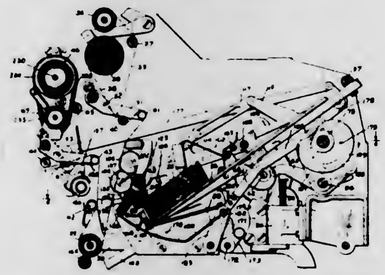
2,000,217
ELASTIC COUPLING
Daniel A. Carpenter, New York, N. Y.
Application February 23, 1933, Serial No. 594,761
Renewed October 11, 1934
16 Claims. (Cl. 267—58)

1. An elastic coupling embodying the combination of spring-holding and spring-flexing gear and a composite metal spring, which gear comprises a pair of relatively movable spring holders and devices that support the holders and spring and form holder-guides, the spring-holders having parallel longitudinal axes, and which spring is composed of bent components severally held at their ends on and suported by the spring-holders and arranged close together in a group that extends lengthwise of the spring-holders and



throughout its length is contiguous to each of them and projects from the plane that contains their said axes, and from the ends of which group the spring-holders project and extend to their supporting devices, and which spring exerts pressure that is transmitted to said devices by the spring-holders constantly acting on the guides, and acting on each guide at both ends unless spring-flexing force is applied to the coupling.

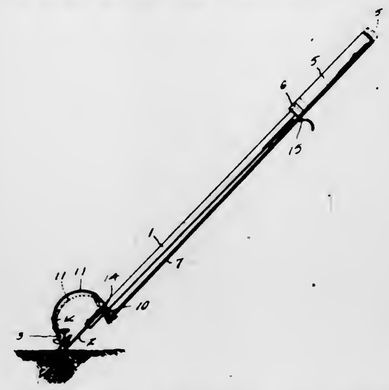
2,000,218
TABULATING MACHINE
Fred M. Carroll, Yonkers, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 29, 1928, Serial No. 309,343
23 Claims. (Cl. 235—58)



1. In a machine of the class described, an item and total printing mechanism for effecting a series of printing impressions upon a record strip, means operable for each total printing impression for feeding an individual work sheet from a supply stack so that it is in superimposed relationship with the record strip to receive a series of item imprints and a total thereof, a transfer sheet between the strip and a sheet for effecting a duplicate impression on one of them, and ejecting means operable after the operation of the item and total printing mechanism for engaging only the work sheet to eject the same.

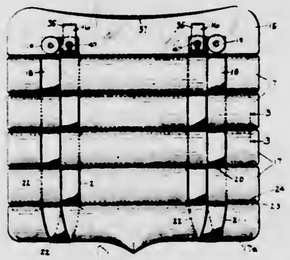
2,000,219
DANDELION PULLER
Frank J. Casey, Albion, Nebr.
Application July 10, 1934, Serial No. 734,551
4 Claims. (Cl. 55—148)

1. An implement of the character described, comprising a shaft, an elongated flat blade extending from one end of the shaft and having its free end edge sharpened, a handle designed to slidably receive the other end of the shaft, resilient means within the handle normally urging the latter away from the received end of the shaft, an arcuate arm having one end pivotally attached to the shaft and having its other end directed



toward one side of said blade, and a connection between the said pivoted end of the arm and said handle whereby the movement of the handle under the influence of said spring will effect the shifting of said arm to move the free end thereof toward said blade.

2,000,220
SPLASH GUARD FOR VEHICLE WHEEL FENDERS
Joseph H. Cohen, Bridgeport, Conn.
Application April 23, 1932, Serial No. 607,125
5 Claims. (Cl. 280—152)

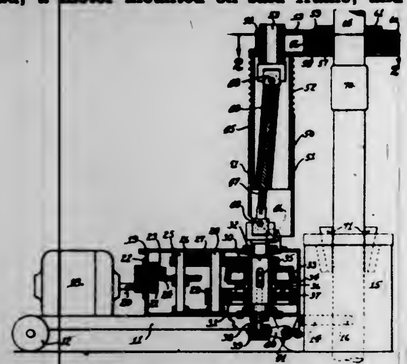


3. A splash guard for a vehicle wheel comprising a sheet of flexible material; means for attaching the same to the end of a vehicle-wheel fender so as to hang therefrom; and stiffening bars on said sheet extending horizontally thereof and alternating with horizontal lines of flexibility so that the sheet may bend on said lines when meeting with an obstruction.

2,000,221
POWER WRENCH FOR WELL TUBING AND RODS
Carlton W. Dawson, Taft, Calif.
Application July 11, 1933, Serial No. 679,921
13 Claims. (Cl. 255—35)

1. A power wrench comprising a frame; a hollow arm connected therewith for movement into and out of operating position; a head mounted directly upon and wholly supported by said arm;

a work engaging chuck rotatably mounted in said head; a motor mounted on said frame; and a



shaft journaled within said arm for transmitting power from said motor to said chuck.

2,000,222

OXIDATION OF HYDROCARBON MATERIALS

Wilhelm Dietrich, Oppau, and Martin Luther, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 20, 1932, Serial No. 594,191. In Germany February 27, 1931

6 Claims. (Cl. 260—116)

1. In the liquid-phase oxidation of aliphatic hydrocarbon material of high molecular weight by blowing the said materials with gases containing as the only oxidising agent oxygen while heating, the step which comprises carrying out the reaction in the presence of up to 3 per cent, by weight of said hydrocarbon materials, of a catalytic material consisting essentially of at least one compound each of an alkali metal and of aluminium, the said compounds being capable of dissolution in the reaction mass and selected from the group consisting of carboxylic acid salts, oxides, hydroxides and carbonates of the said metals and carbides thereof, capable of being decomposed with water.

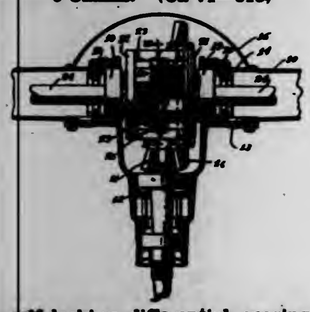
2,000,223

SELF-LOCKING DIFFERENTIAL

Louis Du Frau, Marquette, Mich.

Application July 9, 1934, Serial No. 734,243

6 Claims. (Cl. 74—313)



1. A self-locking differential gearing mechanism comprising a casing, a pair of independently mounted helical sun gears axially journaled relative to said casing, and a plurality of pairs of intermeshing helical satellite gears, said satellite gears being freely journaled in the casing in such a manner as to be permitted some longitudinal motion, one of each of said satellite gears intermeshing with one of each of said sun gears whereby to connect the sun gears through the intermeshing helical gears.

2,000,224

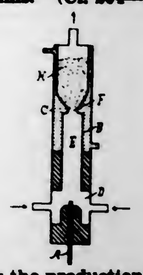
PRODUCTION OF GASEOUS MIXTURES CONTAINING HYDROGEN

Otto Eisenhut, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

Application November 1, 1929, Serial No. 404,681

In Germany November 26, 1928

4 Claims. (Cl. 204—31)



1. A process for the production of gas mixtures containing hydrogen which comprises exposing a mixture of carbonaceous material containing combined hydrogen and a gas containing oxygen selected from the class consisting of carbon dioxide and gases comprising free oxygen to the action of an electric arc while taking care that all parts of the gas mixture which is subjected to the treatment are exposed to a temperature of at least 1400° C. by impeding the exit of the reacting gases from the electric arc.

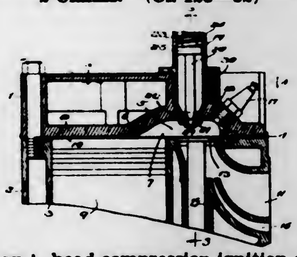
2,000,225

INJECTION ENGINE

James B. Fisher and Max Hofmann, Waukesha, Wis., assignors to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

Application December 11, 1929, Serial No. 413,303

2 Claims. (Cl. 123—32)



1. In an L-head compression ignition engine of the Diesel type, a cylinder, a piston operating in the cylinder, inlet and exhaust passages, valves for said passages, a head having a combustion chamber with a flat roof and overlying the valves and also overlying a portion of the cylinder area and communicating therewith through a restricted throat, the head having a wall overlying and closely adjacent the remainder of the cylinder area and forming with the piston a shielded

area, when said piston is in the position of greatest compression, the valves being disposed in close proximity to each other and the clearance space between the respective valves and the surrounding wall of the chamber at the outer side and end portions thereof being only that required for mechanical reasons, the chamber constituting substantially all of the effective combustion space when the piston is in said position of greatest compression and the volume of the chamber being so related to the volume of the cylinder that the heat due to compression as the piston approaches its position of greatest compression is sufficient to ignite fuel injected into the chamber, and means for injecting fuel into said chamber.

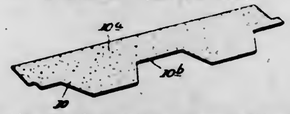
2,000,226

METHOD OF TREATING ASPHALT SHINGLES AND COMPOSITION THEREFOR

Lloyd A. Fry, Chicago, Ill., assignor of one-half to The Lehon Company, Chicago, Ill., a corporation of Illinois

Application February 29, 1932, Serial No. 595,719

1 Claim. (Cl. 91—68)



The method of treating composition shingles having protective coatings on their upper sides and having cut edges which are beveled inwardly from their upper sides, whereby the upper side of each shingle is of larger area than its under side, which consists in forming a pile of said shingles with their beveled edges in substantial alignment and then directing at an acute angle to the side of said pile and substantially normal to said cut beveled edges a spray of protective coating adapted to form a bond with certain ingredients of said shingles and the coatings thereon.

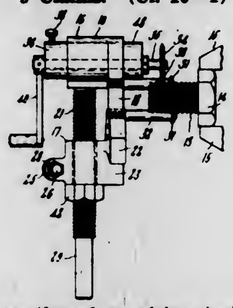
2,000,227

SCREW THREAD REPAIRING TOOL

Theron A. Grove, Revere, Mass.

Application October 4, 1934, Serial No. 746,823

9 Claims. (Cl. 10—1)



1. A screw thread repairing tool comprising a stock including an inner head having an elongated shank, and an outer head having shank-engaging means adjustable lengthwise of the shank to vary the distance between the heads and rotatively adjustable on the shank to locate the heads non-parallel with each other, said shank-engaging means being positively engageable with the shank to maintain any non-parallel location of the heads, the stock being manually rotatable relative to a screw threaded body, each head being provided with runner-locating means, and with runners formed to engage a screw thread and carried by studs engaged with said locating means, there being a pair of spaced apart runners on each head, the runners having a non-wobbling engagement with the studs, and a rotary cutter carried by the inner head and formed to rectify a mutilated screw thread engaged by the runners, the runners and cutter being moved in a helical path governed by the pitch of the screw thread when the stock is rotated, the rotating cutter having a planetary movement.

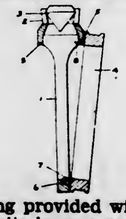
2,000,228

FINGER RING

Melvin N. Harris, Oakland, Calif.

Application February 11, 1935, Serial No. 5,936

6 Claims. (Cl. 63—15)



1. A finger ring provided with a groove in the inner surface of its bore, a second ring provided with a laterally projecting clip adapted to engage in said groove, one of said rings formed with a laterally projecting clip at a point remote on the diameter of the ring from said first-mentioned clip arranged to clip the adjacent ring in place.

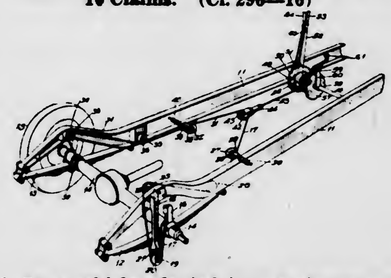
2,000,229

DEVICE TO LEVEL BODY OF A TILTED CHASSIS

William H. Heise, Los Angeles, Calif., assignor to Big Rock Ranch Company, Los Angeles, Calif., a corporation of California

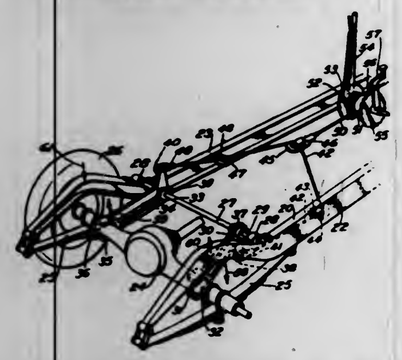
Application June 12, 1929, Serial No. 370,427

10 Claims. (Cl. 296—16)



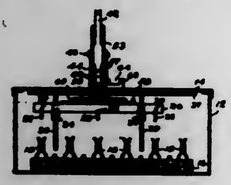
1. In a vehicle adapted to operate on a supporting surface, the combination of: a frame; a first resilient member secured to one side of said frame; an opposite resilient member secured to a second side of said frame; an arm secured at one end to said one side of said frame, an unattached end of said arm extending beyond said first resilient member; a first flexible connecting member connecting said first resilient member and said unattached end of said arm; a second flexible connecting member connecting said opposite side of said frame and said second resilient member; and operating means for producting a force in said first and second flexible connecting members whereby said first resilient member is expanded and said second resilient member is compressed.

2,000,230
LEVER MEANS FOR LEVELING HEARSE BODIES
William H. Heise, Los Angeles, Calif., assignor to Big Rock Ranch Company, Los Angeles, Calif., a corporation of California
Application June 12, 1929, Serial No. 370,430
6 Claims. (Cl. 296—16)



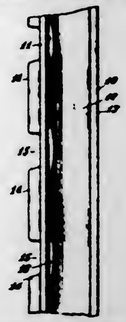
1. In a vehicle, the combination of: a wheeled structure; a frame; yielding suspension means supporting said frame on said wheeled structure so as to permit automatic movement of said frame relative to said wheeled structure under shocks, strains, and stresses incident to travel of said vehicle; a frame elevating lever operatively connecting one side of said frame and said wheeled structure; a frame depressing lever operatively connecting the opposite side of said frame and said wheeled structure, said elevating lever and said depressing lever being normally freely movable so as to permit said automatic movement of said frame; and operating means for simultaneously operating said elevating lever and said depressing lever in opposite directions to adjust the frame to a desired angle.

2,000,231
ELECTRIC SAFETY SWITCH
Carroll D. Hepler, Seattle, Wash., assignor to Transwall Electric Manufacturing Company, Pacific Division, Seattle, Wash., a corporation of Washington
Application June 21, 1933, Serial No. 676,907
10 Claims. (Cl. 200—16)



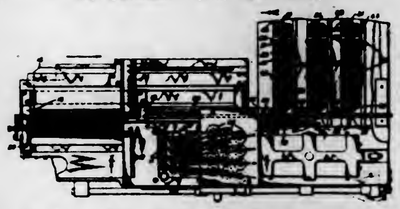
1. In electric switch mechanism of the class described, a housing, cover means for said housing, a sliding plate provided on said cover means, switch terminals within said housing, blade mechanism carried on said sliding plate and movable independently of said plate into open and closed circuit position relative to said switch terminals and operating means positioned on the outside of said sliding plate and connected with said blade mechanism.

2,000,232
FENCE POST
Walter L. Hyde, Maplewood, Mo.
Application December 29, 1932, Serial No. 649,366
10 Claims. (Cl. 189—29)



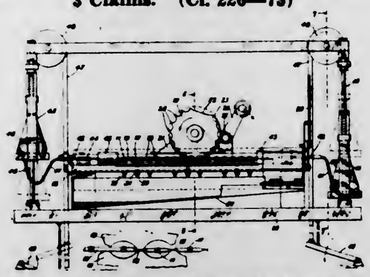
1. A metal fence post of T-shape cross-section having a flat front face and an interrupted reenforcing rib consisting of elongated uniform projections disposed longitudinally of the post at the median line thereof and spaced apart at distances less than the length of the projections and in a row lengthwise of the post, with the metal intermediate of the projections being disposed in the plane of the remainder of the front face of the post to provide smooth surfaces transversely of the post while the opposite face of the post at points coincident with the spaces between the projections is intermittently increased in thickness.

2,000,233
ACCOUNTING MACHINE
Einar Lawrence Kirkegaard, Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 18, 1931, Serial No. 581,822
22 Claims. (Cl. 164—113)



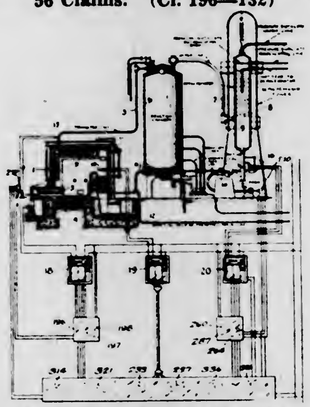
1. In a machine for producing accounting and statistical record sheets, perforating mechanism, a series of keys for directly controlling the perforating mechanism to record data; a plurality of auxiliary data retaining devices, each of said devices being a self-contained independent unit and adapted to be set up to represent pre-determined data which are to be ultimately automatically recorded each time such unit is selected for operation and which data bears a predetermined relation to data punched under direct control of the keys, each of said units being adapted when arbitrarily selected by the operator to automatically control the perforating mechanism in accordance with the data set up on the selected device; and selecting mechanism controlled by the keys and adapted when one or more keys are operated to arbitrarily select only one of the data retaining devices for automatic operation of the perforating mechanism.

2,000,234
CAPSULE MAKING MACHINE
Fred F. Klett, Jersey City, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1934, Serial No. 716,838
3 Claims. (Cl. 226—73)



1. An apparatus for making sealed metal capsules containing fluid, and comprising means for holding a tube the length of a plurality of capsules, a fluid containing reservoir, means for connecting one end of the tube to said reservoir, means for raising the reservoir above the level of the tube for filling the tube with fluid from the reservoir, and means comprising a rack on which said tube is supported and a gear having registering teeth for progressively pinching the tube at predetermined places from one place on said tube toward the end of the tube connected to said reservoir to close the tube at the pinched places.

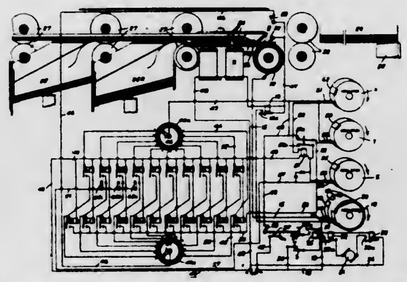
2,000,235
AUTOMATIC CONTROL
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 24, 1931, Serial No. 532,668
56 Claims. (Cl. 196—132)



1. An automatic control system for oil cracking units comprising a cracking still and dephlegmator from which oil is fed through the cracking still, having, in combination, a regulator for varying the supply of heat to the still, control means responsive to and operating in accordance with the trend of the oil level in the dephlegmator for actuating said regulator.

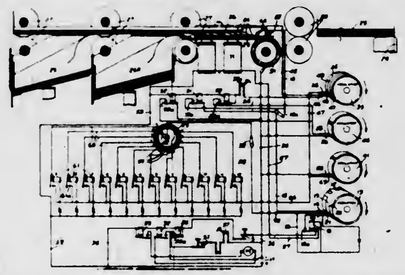
8. An automatic control system for oil cracking units comprising a cracking still and dephlegmator from which oil is fed through the cracking still, having, in combination, a regulator for varying the supply of heat to the still, control means responsive to and operating in accordance with the status of the oil level in the dephlegmator for actuating said regulator.

2,000,236
CARD FEEDING AND HANDLING DEVICE
Clair D. Lake, Binghamton, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 29, 1932, Serial No. 619,903
9 Claims. (Cl. 209—110)



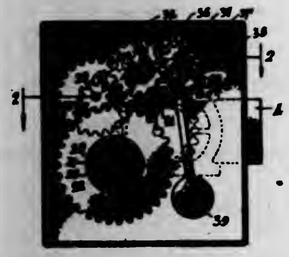
5. In a machine of the class described, means for feeding a plurality of groups of cards, each having a different number of cards, a plurality of sorting pockets, means for initiating a separate series of selecting operations for each group of cards fed through the machine to cause the selection of a separate pocket for each card of a group and means cooperating with said cards for limiting the number of operations in each series to the number of cards in the corresponding group.

2,000,237
SORTING MACHINE
Clair D. Lake, Binghamton, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 19, 1932, Serial No. 647,915
5 Claims. (Cl. 209—110)



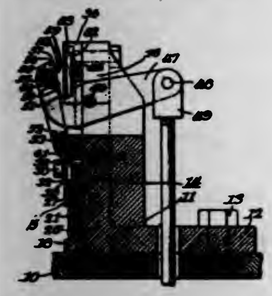
1. In a sorting machine having a plurality of sorting pockets, means for successively reading the cards of a group, means set in operation by the reading means upon reading the first card of the group, for selecting a pocket to receive said group, a device settable in accordance with the pocket selected, means for suppressing the reading of subsequent cards of the group and means controlled by said device for repeatedly selecting a pocket for each of the other cards of the group.

2,000,238
LOCK FOR SAFES
Wilfrid Lavallée, Longueuil, Quebec, Canada, assignor of one-half to Cyprien Ste.-Marie, Longueuil, Quebec, Canada
Application October 24, 1932, Serial No. 639,255
1 Claim. (Cl. 70—26)



In combination, a door, a slidable bolt adapted to lock said door, a rotary hub, a finger extending from said bolt towards said hub, a spring holding said finger against said hub, said hub having a recess adapted to interlock with said finger to prevent rotation of the hub and to obstruct movement of the bolt to release position, manually engageable means carried by said bolt for disengaging said finger from said recess, retarded means tending to rotate said hub and operative on disengagement of said hub and finger, said hub having a peripheral slot spaced from said recess and adapted to admit said finger, thereby permitting movement of said bolt to release position.

2,000,239
SLITTING FIXTURE FOR PISTON RINGS
Joseph C. Linn, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application October 11, 1929, Serial No. 398,835
5 Claims. (Cl. 90—59)

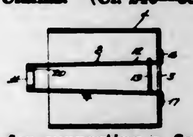


3. A slitting fixture for a piston ring comprising in combination, a holder for receiving the ring, a lever pivoted on said fixture, a clamping member loosely carried by said lever, the actuation of said lever in one direction serving to grip said member against the ring on opposite sides of a cutter during the slitting operation, and the actuation of said lever in the opposite direction permitting the retraction of said member under the action of gravity, and means for throwing the ring engaging end of said member away from the plane of the holder during the retracting movement of said member.

2,000,240
METHOD AND MEANS FOR SURFACING GLASS
Bernard Long, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application December 16, 1933, Serial No. 702,723. In France December 17, 1932
2 Claims. (Cl. 51—278)

1. In a process of producing plate glass materials, the surfaces of which are first subjected to a coarse grinding process and finally subjected to a polishing process, the intermediate step of subjecting these surfaces to a smoothing process after coarse grinding and before polishing, which step includes applying to the surface a homogeneous mixture of grains of granulated glass, the grains of which are about the same average hardness and particle size, said particle size being in excess of 5 microns and substantially less than 50 microns.

2,000,241
ELECTRIC FIXTURE-SUPPORTING AND CONNECTING DEVICE
James Mangin, New Brunswick, N. J., assignor to New Brunswick Electric Supply Company, New Brunswick, N. J., a corporation of New Jersey
Application May 27, 1931, Serial No. 540,407
6 Claims. (Cl. 248—85)



4. A device for supporting a fixture from an outlet box, comprising a member having a pair of spaced coextensive resilient legs, which by virtue of their resiliency may be pressed toward each other for cooperative association with a wall of said box, and which spring outward under the influence of their resiliency when released to engage portions of said wall and a spreader arm struck-out from one of said legs and bendable to a position laterally between said legs to maintain them in outward positions.

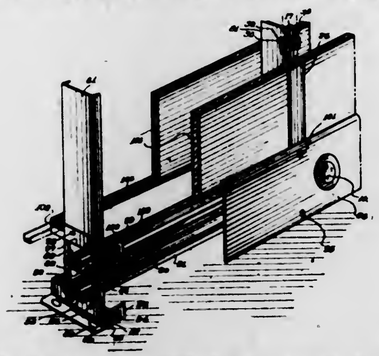
2,000,242
CONTAINER
Reginald W. Manning, Phoenix, Ariz.
Application October 3, 1933, Serial No. 691,943
3 Claims. (Cl. 2—173)



1. A container of pliant material having the caricature of a face imprinted mainly on one side with the details thereof extending around the adjacent sides and having the outlines of the features scored to break when pressed, whereby the outlines thereof may be accurately broken out.

2,000,243
WALL CONSTRUCTION
Fred A. Manske, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1932, Serial No. 618,149
27 Claims. (Cl. 72—46)

1. In a wall construction, a vertically extending metallic stud, wall boards, means for securing said wall boards to said stud, means adjacent the lower part of said stud for supporting said boards, a mop plate secured adjacent the bottom edge of said boards and serving as a



finishing trim, and means for forming a plurality of compartments at the bottom of the wall concealed by said plate for the reception of electric wires.

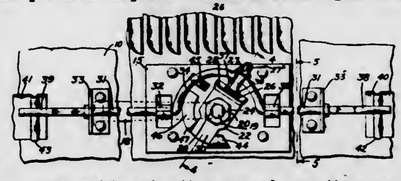
2,000,244
PROCESS FOR SEPARATION AND RECOVERY OF NAPHTHENIC ACIDS AND PHENOLS
David R. Merrill, Long Beach, and Arthur L. Blount, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application July 25, 1933, Serial No. 682,106
18 Claims. (Cl. 260—103)

1. A process for the recovery of naphthenates from a mixture comprising naphthenic and phenolic materials which comprises adding a neutralizing agent to said mixture to convert the naphthenic material into naphthenates without any substantial conversion of the phenolic materials into phenolates, distilling the mixture containing naphthenates and phenols and thereby separating the phenols from the naphthenates.

18. A method for separating phenolic materials from the naphthenic materials contained in petroleum fractions which comprises extracting the petroleum fractions with a selective solvent for naphthenic and phenolic materials, extracting the extract phase so obtained with alkali to produce naphthenates and phenolates, acidifying the resulting extract with a mineral acid, recovering the resultant oily layer with its contained naphthenic acids and phenols, neutralizing the oily layer to obtain naphthenates without neutralization of the phenols, recovering the resultant oily layer with its contained phenols and naphthenates and separating the phenols from the naphthenates.

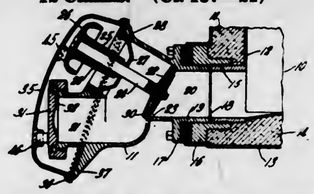
2,000,245
HOOD CATCH
Raymond G. Moore, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application December 8, 1932, Serial No. 646,222
2 Claims. (Cl. 292—215)

1. A hood catch actuator for operating keeper engaging catch means, comprising rock shaft means having a catch portion adapted to be engaged with said keeper upon rotation of said rock-shaft means in one direction and an arcuate actuating crank portion for rotating said rock shaft means, a manually operable crank arm rotatable about an axis at right angles to the axis of said rock shaft means and including a rigid extension having its end extended beyond and being disposed at one side of said actuating crank portion adapted upon rotation of said crank arm to press said crank portion in one direction to rotate said rock shaft into operative position, and a member including a base portion disposed between said rigid exten-



sion and said actuating crank portion, apertured portions at each end and at one side integral with said base portion and rotatably engaged with said rigid extension and a portion at the other side slidably and rotatably engaged with said actuating crank portion adapted upon rotation of said crank arm in the opposite direction to draw said actuating crank portion in the other direction to rotate said rock shaft to inoperative position, said rigid extension being at all times out of direct contact with said crank portion.

2,000,246
OUTLET FITTING FOR TANKS
Raymond J. Neely, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
Application October 15, 1934, Serial No. 748,339
12 Claims. (Cl. 137—21)

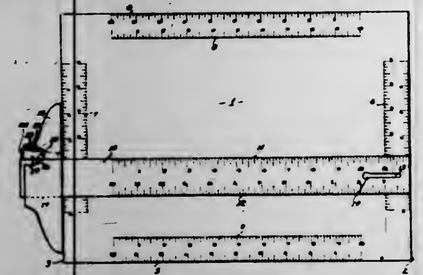


1. An outlet fitting for tanks comprising a valve body having a discharge passage extending therethrough, a movable valve member controlling said passage, an operating handle for said valve member extending out of the valve body and located outside of and adjacent said outlet end of the discharge passage, and a movable cover which in its closed position encloses both the outlet end of the discharge passage and said valve operating handle, said valve body having a portion which surrounds both said outlet end of the passage and the hole in the valve body through which said handle extends and with which the rim of the cover forms a tight joint uninterrupted throughout the peripheral extent of the cover rim.

2,000,247
COMBINATION DRAFTING TABLE AND INSTRUMENTS THEREFOR
William P. Niukkanen and Simo Mikkonen, Portland, Oreg.
Application February 19, 1934, Serial No. 711,878
3 Claims. (Cl. 33—75)

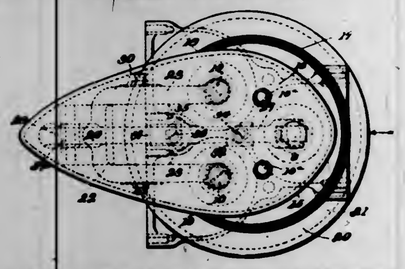
1. In combination, a drawing-surface having graduations adjacent its edges and a T-square having its head and straight-edge movable with

respect to each other, a wedging member adapted to be placed within a slot formed within the head to hold the straight-edge and the head in fixed relationship to each other, said straight-edge having graduations thereon capable of cooperative use with the graduations on the drawing-surface a slot formed in the straight-edge, a protracting member removably secured to said straight-edge and angularly ad-



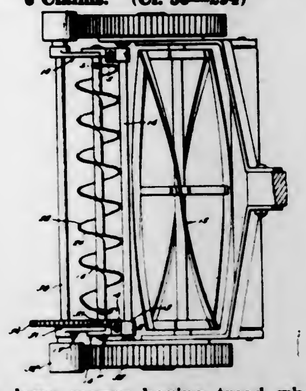
justable relative to said straight-edge, a slot formed in the protracting member, and means for securing said protracting member to said straight-edge, said means consisting of a bolt and nut combination fitting within the slots incorporated within the straight-edge and the protracting member and when tightened adapted for holding the said straight-edge and said protracting member in fixed relationship to each other.

2,000,248
HOODED CYLINDER HEAD FOR GAS ENGINES
Robert S. Moore, Silver Spring, Md., assignor to General Airmotors Company, Scranton, Pa., a corporation of Pennsylvania
Application November 30, 1932, Serial No. 645,093
1 Claim. (Cl. 123—90)



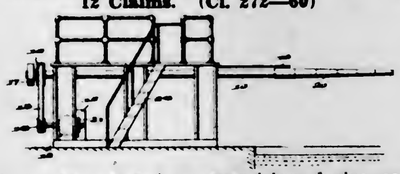
A gas engine including in combination, a cylinder, a head secured thereto, said cylinder head having two intake ports and one exhaust port disposed close to each other, a valve for controlling each port, said valves being movable in lines parallel with each other, a rocker mounted on the cylinder head for operating said intake valves, a rocker mounted on said cylinder head for operating said exhaust valve, a single hood formed integral with the cylinder head and covering and housing said rockers, said hood having a vertical wall extending from the cylinder head above the rockers and covering and enclosing said rockers, said vertical wall having integral fins projecting therefrom for dissipating the heat generated in the cylinder, said hood having a streamline shape and symmetrically disposed relative to the direction of the air currents contacting with the hood, said fins being disposed at the side thereof with which the air contacts and merging into said vertical wall at the opposite side of the cylinder.

2,000,249
LAWN MOWER ATTACHMENT
Victor G. Pew, Kitzmiller, Md.
Application August 8, 1934, Serial No. 739,027
6 Claims. (Cl. 56—294)



1. In a lawn mower having tread wheels, a reel, and a connecting bar forwardly of the reel, spaced brackets secured to the connecting bar, a screw member having a serrated continuous spiral edge rotatably supported between the brackets for engaging the tall grass and bending and guiding the same towards the reel to be cut thereby, a shaft extending between and rotatably supported by said brackets, rollers on the ends of the shaft having frictional engagement with the peripheries of the tread wheels, and gearing connecting said shaft with said screw member for driving the latter.

2,000,250
AMUSEMENT AND EXERCISING DEVICE
Andre Pitre, Brooklyn, N. Y.
Application April 18, 1933, Serial No. 666,743
12 Claims. (Cl. 272—60)



1. An amusement or exercising device comprising a rotatable member presenting a treading surface to the user, and means for rotating said member at a predetermined varying velocity.

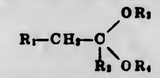
2,000,251
PACKAGE
Julius Duncan Rankin, Yonkers, N. Y., assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 28, 1931, Serial No. 553,686
2 Claims. (Cl. 99—8)

2. A package comprising meat enveloped in a transparent flexible wrapper which does not stick to said meat and remains transparent under refrigerating condition, said wrapper comprising a sheet or film of regenerated cellulose coated with a non-moistureproofing lacquer.

2,000,253
PRODUCTION OF ACETALS
Walter Reppe and Karl Baur, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 5, 1931, Serial No. 506,745. In Germany January 23, 1930
14 Claims. (Cl. 260—149)

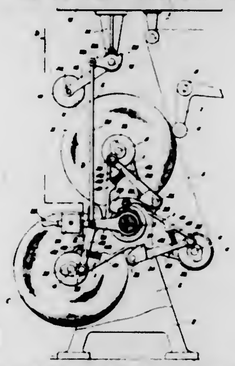
1. The process for the production of acetals, which comprises reacting an alcohol, containing more than one carbon atom in the molecule and free from carboxyl groups, with a vinyl ether while excluding water as far as possible.

9. As new articles of manufacture ethylidine acetals corresponding to the general formula



in which R_1 and R_2 denote hydrogen or alkyl, aryl or aralkyl groups and R_3 and R_4 denote hydrocarbon radicles of the alkyl, aryl or aralkyl series different from each other and at least one of which contains more than 5 carbon atoms.

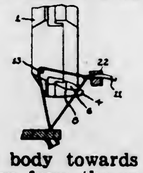
2,000,253
WEB RENEWING MECHANISM
Charles J. Richter, Berwyn, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1931, Serial No. 572,064
26 Claims. (Cl. 242—58)



6. Web renewing mechanism including in combination a support for a plurality of web rolls, one an active web roll and another a reserve web roll, means for moving the running web into contact with the reserve web roll, an adhesive applying roller and weighted means for pressing the adhesive-applying roller against said reserve roll.

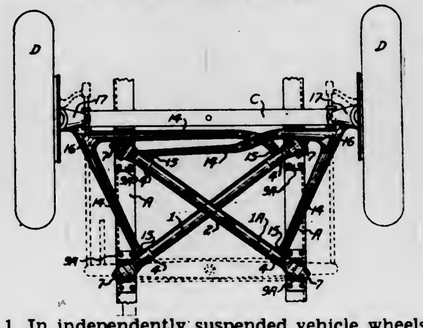
2,000,254
LOCKSTITCH SEWING MACHINE
Fred Ricks and Harold Ernest Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 5, 1934, Serial No. 705,408
In Great Britain April 12, 1933
4 Claims. (Cl. 112—38)

1. A lockstitch sewing machine having, in combination, stitch forming devices comprising a curved hooked needle, a loop lifter and a discoidal shuttle provided with a beak to enter the loop held by the needle and loop lifter and with a cam on the shuttle beak projecting be-



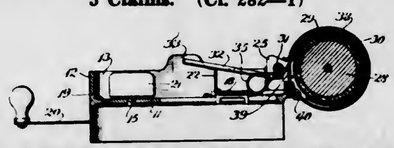
yond the shuttle body towards the needle to lift the needle loop from the needle barb.

2,000,255
INDEPENDENT VEHICLE WHEEL SUSPENSION
Lawrence B. Rivard, Dearborn, Mich.
Application February 7, 1934, Serial No. 710,041
6 Claims. (Cl. 267—19)



1. In independently suspended vehicle wheels, a pair of oppositely disposed triangular frames, means for pivotally securing each frame to both sides of the bottom of a chassis frame, said frames formed so that they may be positioned in diagonal crossed relation and operatively independent of each other, and means for permanently fixing said frames with the vehicle wheels respectively.

2,000,256
FOOT MEASURING AND IMPRESSION DEVICE
William M. Scholl, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application August 26, 1933, Serial No. 686,864
5 Claims. (Cl. 282—1)



1. A foot impression device comprising a foot receiving receptacle having a base for supporting an impression receiving means, a rolled inking member offset from one side of the receptacle and adapted to be unwound for movement over the means, spring means for normally maintaining the member in wound position, a pivoted bail secured to the free end of the member, the bail pivots being located a sufficient distance above the base to permit the bail being swung below the pivots and to be held in operative position over the base by the pull of the spring means, and a guide roller under which the member is drawn for direct-

ing the same into substantially parallel relation to and at a relatively small distance above the impression means.

2,000,257
FOOT MEASURE AND SHOE SIZE INDICATOR
William M. Scholl, Chicago, Ill.
Application February 15, 1934, Serial No. 711,323
3 Claims. (Cl. 33—3)



1. A foot measuring stick comprising a base member provided with indicia for determining foot sizes and including a pair of spaced grooves extending into and lengthwise of the upper surface thereof, the grooves being angularly disposed to the thickness of the member, a block fixed at one end of the member, a second block slidable along the member for cooperation with the fixed block to determine foot sizes, and guide members on the slidable block extending into the grooves.

2,000,258
HEADLIGHT SIGNAL
William H. Seymour, Los Angeles, Calif.
Application September 8, 1930, Serial No. 480,389
3 Claims. (Cl. 177—329)



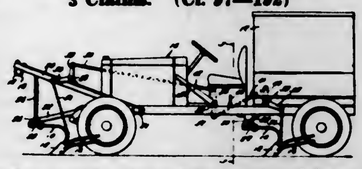
1. A signal for headlights including an elongated case with a direction signal opening resting against the inside of the lens of the headlight, a thin flat supporting strip thereon adapted to be held between the lamp body and the lens of the headlight by the pressure of the lens retaining rim, a lamp socket in the end of said case, and circuit means of flat insulated form adapted to enter the headlight body through the space provided between the body and said lens by said supporting strip, said circuit means being adapted to be connected with a lamp in said lamp socket.

2,000,259
HOLDER FOR STAIR CARPETS
Howard Frederick Smith, Birmingham, England
Application April 30, 1934, Serial No. 723,101
In Great Britain October 26, 1933
15 Claims. (Cl. 16—10)



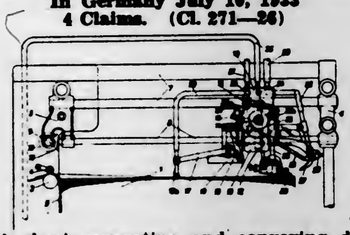
1. A stair carpet holder, comprising a holder arm adapted to engage an edge portion of the carpet, a slide arm, means for connecting the slide arm to one end of the holder arm and for maintaining the two arms in spaced superposed relationship, the slide arm having its longitudinal edge portions adapted for slidable engagement with an attachment bracket arranged for mounting on the stair, those parts of the said edge portions which are remote from the free end of the holder arm being adapted to be engaged with the attachment bracket on movement of the holder in a direction outwardly of the carpet, and stop means adapted to limit such outward movement.

2,000,260
VINE DIVIDER
Charles E. Snyder, Jordan, Pa.
Application September 15, 1934, Serial No. 744,202
3 Claims. (Cl. 97—192)



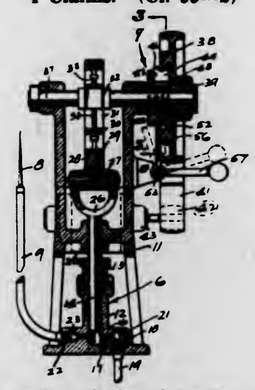
1. The combination with a motor driven vehicle having steering wheels, vine dividers mounted forwardly of said steering wheels, means pivotally supporting the vine dividers from the vehicle, each vine divider including a forwardly disposed spreader member and a rearwardly disposed ground bearing shoe, means connected with the vine dividers for raising and lowering them, and said means including means for releasably securing the vine dividers in elevated position and free of the steering wheels to permit the turning of the latter in either direction for changing the path of travel of the vehicle either to the right or to the left.

2,000,261
SHEET SEPARATING AND CONVEYING DEVICE
Georg Spiess, Leipzig, Germany
Application July 30, 1934, Serial No. 737,627
In Germany July 10, 1933
4 Claims. (Cl. 271—26)



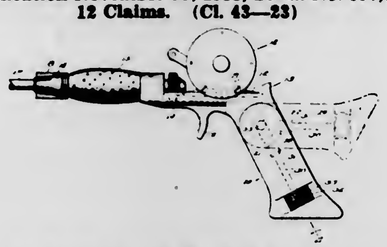
1. A sheet separating and conveying device, having, in combination, a suction member adjustable in feeding direction for separating the rear of the topmost sheet from the pile, additional suction members between the sheet separating means and the front end of the pile, said additional members being adjustable in feeding direction and oscillatable for engaging the sheet from above and displacing it in feeding direction, driving means for said additional suction members, a hollow pedestal body adjustable in feeding direction and carrying said additional suction members and their driving parts, sheet separating means and driving means therefor, said sheet separating and driving means being arranged in said hollow body and remaining in unchanged and uninterrupted driving connection with the stationary driving means.

2,000,262
HYPODERMIC INJECTOR
Frank C. Sutliffe, San Francisco, Calif., assignor to William Joyner, San Francisco, Calif.
Application November 9, 1931, Serial No. 573,768
4 Claims. (Cl. 99—2)



1. In a device of the character described a hypodermic needle, a flexible conduit connected thereto, reciprocating means to force a predetermined amount of liquid through said conduit and out through said needle, driving means and releasable means of connection between the driving means and the reciprocating means to transmit movement for one revolution when released, and to disconnect the driving means from the reciprocating means other times.

2,000,263
FISHING ROD HANDLE
Ralph R. Teetor, Hagerstown, Ind.
Application November 11, 1933, Serial No. 697,603
12 Claims. (Cl. 43—23)



1. A fishing rod handle arranged to conveniently position the hand for casting and trolling comprising in combination a part adapted for attachment to a fishing rod, a grip swiveled on the part between a position constituting generally an elongation of the part and a downwardly extending position below the part, and means for retaining the grip in either position.

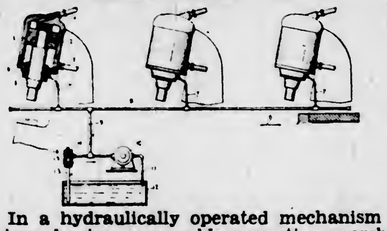
2,000,264
LOCK
Chester L. Vaughn, Yorktown, Ind.
Application September 25, 1933, Serial No. 690,845
1 Claim. (Cl. 292—169)

A latch device of the kind described, consisting of a casing assembly comprising a casing adapted to be inserted and secured in a bore therefor in the door, said casing being provided with opposed lateral openings, and having a latch bolt slidingly retained therein, there being a cam groove on each side thereof, said cam grooves being opposed in their angles of incline, a spring in the casing to urge the latch bolt to projected position, a pair of hand lever assemblies each comprising a head block and means to remov-



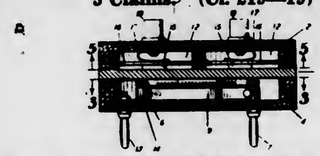
ably secure same to the sides of the casing at the lateral openings thereof, and a hand lever pivotally mounted in each head block the inner end of said lever being directly engaged in a cam groove of the latch bolt.

2,000,265
VACUUM SYSTEM FOR HYDRAULICALLY OPERATED MECHANISMS
Harry F. Vickers, Detroit, Mich.
Application March 30, 1931, Serial No. 526,192
2 Claims. (Cl. 137—78)



1. In a hydraulically operated mechanism of the type having a movable operating member, liquid supply means including a reservoir and a pump and liquid under pressure for operating said mechanism, a stuffing box, and a conduit leading from the interior of said stuffing box to a point between the reservoir and the pump, means for producing a positive suction in said stuffing box comprising a restrictive device positioned between the reservoir and the point of connection of said conduit whereby the pressure in the pipe leading into the pump is diminished relative to the pressure between the reservoir and said device.

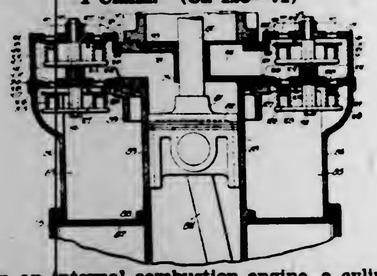
2,000,266
CONSTANT TEMPERATURE OVEN
Charles L. Watson, San Francisco, Calif.
Application April 18, 1932, Serial No. 606,062
5 Claims. (Cl. 219—19)



1. In combination, a plate of heat conducting material, a block of heat insulating material, having a recess therein, disposed on each side of said plate to provide a pair of opposed fluid tight chambers separated by said plate, a thermostat and a heater controlled thereby enclosed in one of said chambers, the other of said chambers adapted to contain an object to be heated, said plate having areas thereof exposed to the air in said chambers, an area exposed to ambient air,

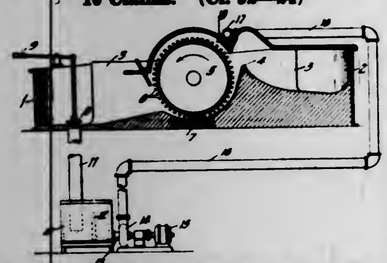
and areas intermediate said exposed areas shielded from the air in said chambers and from ambient air.

2,000,267
DIESEL ENGINE
Raymond E. White, Seattle, Wash.
Application March 7, 1932, Serial No. 597,110
1 Claim. (Cl. 123—71)



In an internal combustion engine, a cylinder, a piston reciprocatory therein, a second cylinder disposed in alignment with said first cylinder, a crosshead reciprocatory in said second cylinder and having conjoint movement with said piston, a pair of atmospheric ports, one of said ports communicating with the piston cylinder beneath the piston, and the other port communicating with said second cylinder above said crosshead, a receiving chamber disposed about said crosshead cylinder and communicating with said piston cylinder above said piston, port means for conducting air under pressure from the under side of said piston and from above said crosshead into said receiving chamber, and pressure actuated breather valve means for alternately opening and closing said ports.

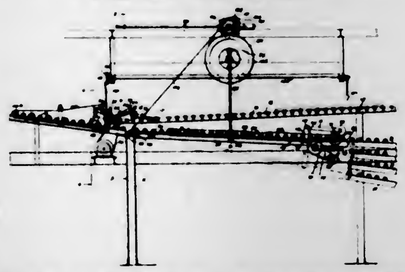
2,000,268
HYDRATION OF PULP
George S. Witham, Jr., Lincoln, N. H.
Application October 5, 1933, Serial No. 636,298
10 Claims. (Cl. 92—24)



2. In a device for treating paper stock, the combination with a beating engine of the Hollander type including a tub and a roll rotatively mounted therein, of a pump for withdrawing stock from said tub and discharging it against said roll at a velocity calculated to produce a substantial impact therewith and thereby break up bundles of fibres in said stock.

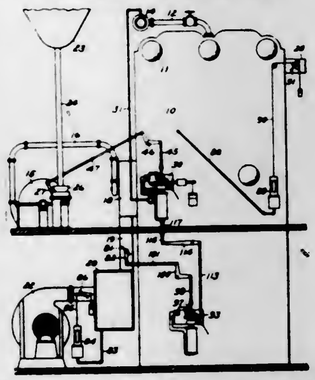
9. The method of treating paper stock which comprises circulating the stock in a suitable receptacle, subjecting the circulating stock to a brushing treatment whereby the ends of the individual fibres are frayed and combed out, concurrently withdrawing stock from the circulating mass undergoing the brushing treatment and projecting it against a suitable target at a velocity calculated to produce a substantial impact therewith whereby to break up bundles of fibres therein, and thereafter returning said stock to the circulating mass.

2,000,269
APPARATUS FOR FEEDING PLASTER BOARD INTO A DRYING KILN
Carl Abumeier, La Grange Park, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application September 29, 1928, Serial No. 309,172
5 Claims. (Cl. 198—21)



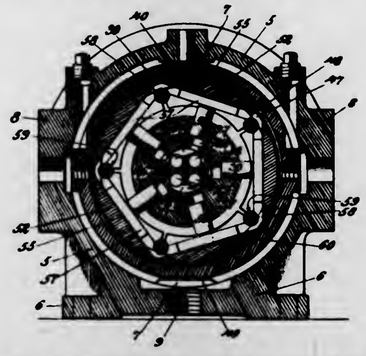
1. In a machine for the manufacture of plaster boards, a setting conveyor, a movable conveyor frame associated with said setting conveyor, crank means operatively connected to said frame, a drying kiln having a plurality of conveyor decks, and automatic means for actuating said crank means at predetermined intervals so as to cause said frame to deliver a plaster board to a predetermined deck of said drying kiln.

2,000,270
COMBUSTION CONTROL
L. V. Andrews, Worcester, Mass., and Charles M. Terry, Decatur, Ill., assignors to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application November 10, 1931, Serial No. 574,156
16 Claims. (Cl. 236—26)



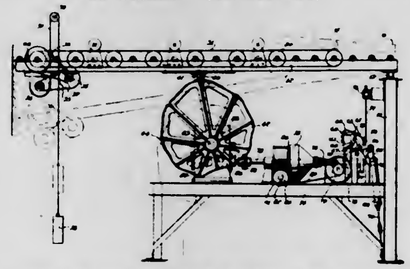
1. The method of controlling a pulverized fuel burning system comprising the steps of varying the feed of fuel in accordance with the demand for heat, initiating a change in air flow substantially simultaneously with the start of each change in fuel feed, and making all air flow changes more slowly than the corresponding changes in fuel feed.

2,000,271
VARIABLE DELIVERY PUMP OR MOTOR
Elek K. Benedek, Mount Gilead, Ohio, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio
Application April 25, 1932, Serial No. 607,409
6 Claims. (Cl. 103—161)



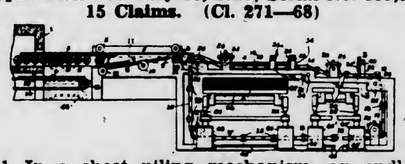
1. In a pump or motor, primary and secondary rotors rotatable about individual axes and movable relatively during rotation, and radial piston and cylinder assemblies connecting the rotors and including crossheads, said secondary rotor comprising half members having opposed grooves concentric with the axis of rotation of the secondary rotor, clamping means for clamping the halves together, and guide blocks clamped between the rotor halves and tangentially grooved to slidably receive the crossheads and having arcuate primary reaction shoulders engaging in the rotor half grooves, said clamping means comprising clamp screws positioned equidistantly about the secondary rotor axis one between each adjacent pair of blocks, and said blocks directly engaging said screws and being positively held against displacement by such engagement.

2,000,272
KILN FEED MECHANISM
Charles R. Birdsey, Pasadena, Calif., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1928, Serial No. 322,610
18 Claims. (Cl. 198—21)



2. In a kiln feed mechanism, the multi-deck drying kiln, a pivotally mounted tilting frame associated with said drying kiln adapted to deliver sheets of material to the decks of said drying kiln, means for intermittently rocking said tilting frame about the pivot thereof, and electrical means controlled by the movement of said sheets of material for controlling the rocking of said tilting frame.

2,000,273
SHEET PILING MECHANISM
William F. Conklin, Tarentum, and Homer S. Hopkins and John M. Hover, Crafton, Pa.; Tarentum Savings and Trust Company, Mabel Conklin Voigt, and Catherine Conklin Cox administrators of said William F. Conklin, deceased
Application February 13, 1929, Serial No. 339,617
15 Claims. (Cl. 271—68)



1. In a sheet piling mechanism, an endless conveyor carrying horizontal sheet supports, means causing a portion of the top leg of the conveyor to travel at a lower level than at a preceding portion thereof, and means for stopping the travel of the sheets on the said leg of the conveyor at such a position that a support following the rear end of each sheet engages the upper surface thereof and depresses it into contact with a sheet-receiving surface before the front end of the sheet is released from the conveyor.

2,000,274
HONEYCOMB DIRECTIONAL GRILLE
Harold S. Covell and Conrad Lohman, Holland, Mich., assignors to Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Michigan
Application September 24, 1934, Serial No. 745,286
2 Claims. (Cl. 98—101)



2. A grille construction comprising, an open frame, a plurality of thin sheet metal strips formed with transverse alternate ribs and grooves therein located one over the other and resting one upon the other and extending between the ends of said frame, said grooves and ribs in the strips being positioned so as to direct air passing through the grille at an intermediate portion thereof forwardly in a path substantially at right angles to the face of the grille and at the ends of the grille forwardly and outwardly and at an angle different than a right angle to the plane of the face of the grille, and means for securing the ends of said strips against backward or forward movement with respect to the ends of the frame.

2,000,275
ASH RECEIVER
Rudolph F. De Boer, Grand Rapids, Mich.
Application June 11, 1934, Serial No. 729,979
11 Claims. (Cl. 206—19.5)



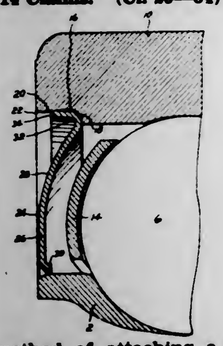
1. In an article of manufacture of the class described, a supporting plate having an opening

therethrough, an ash receiver shell extending bodily through said opening and attached to said supporting plate, an ash receiver pivoted to said shell, and frictional means for suppressing the free pivotal movement of the ash receiver.

2,000,276
BEARING AND GUARD THEREFOR

Thomas C. Delaval-Crow, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 4, 1932, Serial No. 590,846
14 Claims. (Cl. 29—84)

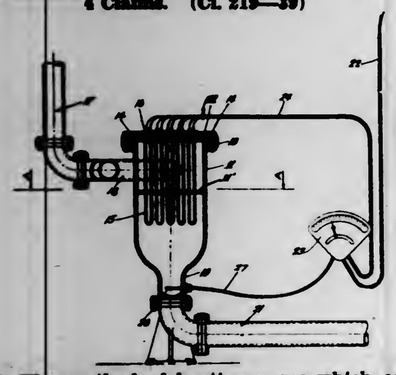


13. The method of attaching a guard plate having a side wall whose periphery is connected to an outwardly slanting resilient flange, to a race ring having a groove with a shoulder at its inner side and a slanting overhang at the outer side, which consists in pressing the guard plate towards the side of the race ring with the resilient flange slanting laterally and outwardly with respect to the race ring, camming the resilient flange towards the axis of the ring by reaction of its outwardly slanting surface with the material overhanging the groove, whereby the edge of the flange resiliently engages the slanting overhang and so resists removal while also urging the guard plate against the shoulder; substantially as described.

2,000,277
PROCESS AND APPARATUS FOR HEATING STEAM

Maurice M. Durkee, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

Application August 8, 1930, Serial No. 473,825
4 Claims. (Cl. 219—39)

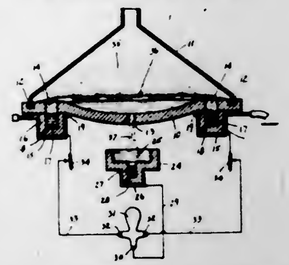


1. The method of heating a gas which comprises injecting a plurality of jets of gas from different directions into a zone so that the jets impinge each other and create a turbulence in the zone, simultaneously heating the gas at a plurality of points in the zone, causing the gas to flow in a direction at right angles to the plane of the jets and further heating the gas during its flow.

2,000,278
ELECTRIC FURNACE

John Ferguson, Indianapolis, Ind., assignor to Fairmount Glass Works, Inc., Indianapolis, Ind., a corporation

Application May 18, 1934, Serial No. 726,271
9 Claims. (Cl. 13—6)

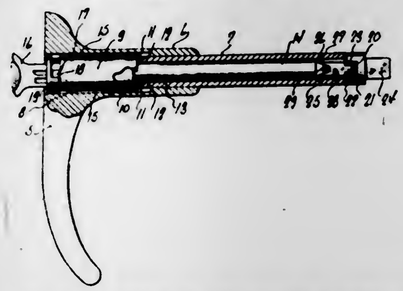


1. In an electric furnace, the combination of a hearth having a refractory lining, a refractory lined electrode box, and cooling means adjacent the junction of the said refractory linings for chilling glass which may seep through said junction.

2,000,279
LOCK

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs and Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application August 19, 1929, Serial No. 386,956
5 Claims. (Cl. 70—91)

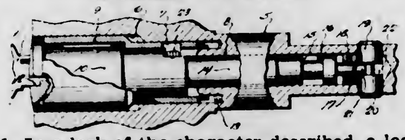


1. In a lock device of the character described, a mounting member having a bore opening to its front end, a lock cylinder inserted into the mounting member bore from its front end and movable therein in the performance of its locking functions, and cooperating means carried by the mounting member and the lock cylinder for normally retaining the lock cylinder assembled with the mounting member, one of said means being yieldably maintained in operative position and being movable to inactive position to enable withdrawal of the cylinder from the mounting member upon movement of the cylinder to a predetermined position relative to the mounting member and the application of an outward stress on the cylinder to disengage the cylinder.

2,000,280
LOCK

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application November 5, 1934, Serial No. 751,572
13 Claims. (Cl. 70—91)

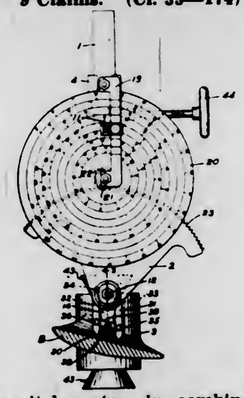


1. In a lock of the character described, a locking bolt, a key operable lock cylinder, and a driving connection between the cylinder and the locking bolt for translating rotation of the cylinder into linear movement on the part of the locking bolt, said connection including a frangible part adapted to give way under a percussive force applied to the cylinder so as to render the locking bolt inoperable by subsequent rotation of the cylinder.

2,000,281
TRAMMEL POINT FOR PITCHOMETERS

Bert O. Godfrey, Brooklyn, N. Y.

Application July 27, 1932, Serial No. 624,981
9 Claims. (Cl. 33—174)



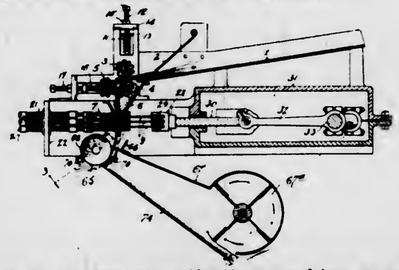
1. In a pitchometer, in combination, a rod adapted to be disposed in definite relationship to the propeller axis, a pair of spaced trammel points adapted to contact with the propeller blade, an angle-measuring device separate from said trammel points and pivotally supported upon said rod, means operatively connecting said device and the trammel points to move the device relatively to the rod in accordance with the position assumed by the trammel points, and means automatically operable to maintain said trammel points, for all operative positions thereof, equidistant from and at opposite sides of a radial plane of the propeller through the pivot of the angle-measuring device.

2,000,282
THRESHING AND SCUTCHING MACHINE

Jim A. Grant, New York, N. Y.

Refiled for application Serial No. 185,975, April 23, 1927. This application August 18, 1930, Serial No. 476,087. Renewed February 16, 1934
12 Claims. (Cl. 19—21)

2. In a plant decorticating machine, means for loosening the seed and the waste material from the fibre and pneumatic means for separating the waste material and the seeds as they are removed from said fibre, including a rotary screen, means for blowing the waste material against said screen, and a concave baffle in said screen at the opposite side from said blowing means.



4. In a plant decorticating machine, a series of pairs of breaker blade sections spring-controlled as to edgewise movement and having opposed edges spaced apart to permit the passage of plants therethrough, and a series of loosely mounted pairs of breaker blade sections reciprocable between said spring controlled blade sections.

2,000,283
MOTOR FUEL

Chester W. Hannum, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 8, 1934, Serial No. 738,927
13 Claims. (Cl. 44—9)

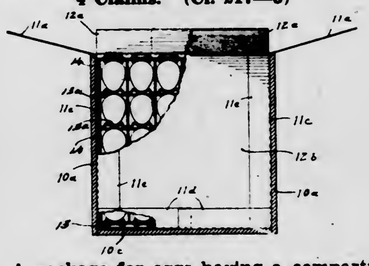
1. A motor fuel comprising cracked hydrocarbon distillates normally tending to form gum on storage having incorporated therein, in an amount sufficient to inhibit gum formation, a hydroxy aromatic amine having one hydrogen of the amino group replaced by a cyclohexyl radical.

5. A motor fuel comprising cracked gasoline normally tending to deteriorate and develop gum on storage having incorporated therein, in an amount sufficient to inhibit such deterioration and gum formation, 4-cyclohexyl amino phenol.

2,000,284
EGG PACKAGE

Harry M. Hitchins, Minneapolis, Minn.

Application February 6, 1932, Serial No. 591,336
4 Claims. (Cl. 217—3)



1. A package for eggs having a compartment rectangular in horizontal and vertical cross section, comprising a lining formed of a pair of sheets of material impervious to air and moisture and having portions extending over and substantially fitting opposite vertical walls respectively of said compartment and portions extending across the bottom of said compartment between the walls thereof but shorter than the entire dimension across said bottom, a pair of

sheets of similar material having portions extending over and substantially fitting the other vertical walls respectively of said compartment, said latter portions having comparatively narrow flanges along the vertical sides thereof which overlap the first mentioned portions of said first mentioned sheets, said second pair of sheets also having portions extending over the bottom of said compartment between the walls thereof but shorter than the entire dimension across said bottom, said portions of said sheets extending over said bottom overlapping so as to completely cover said bottom and both pairs of sheets having top portions foldable over the top of said compartment so as to completely cover the same.

2,000,285

METHOD OF MAKING DENTAL PORCELAIN

Fred P. Hoffmann, Evanston, Ill., assignor, by mesne assignments, to American Porcelain Company, Chicago, Ill.

No Drawing. Application March 19, 1932, Serial No. 600,069
6 Claims. (Cl. 106—6)

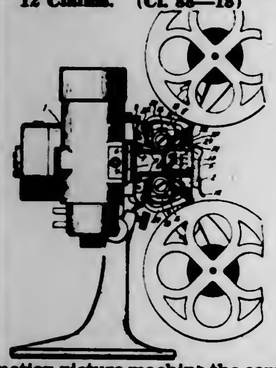
1. A method of making dental porcelain which comprises fusing a preliminary mixture containing feldspar with silica, fusing the product from the first said fusion step with a coloring agent, and fusing the colored mixture with feldspar and kaolin.

2,000,286

MOTION PICTURE MACHINE

Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application February 12, 1931, Serial No. 515,246
12 Claims. (Cl. 88—18)



1. In a motion picture machine the combination with a film engaging member movable into position to form a compensating film loop and into another position to be engaged and moved by the film upon abnormal shortening of said loop, of means for predeterminately positioning said film engaging member in either of said positions, and means under the control of said film engaging member and adapted to stop operation of the machine upon movement of said film engaging member by said film from said second mentioned position.

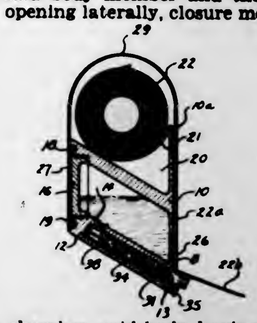
2,000,287

PORTABLE DEVICE FOR DISPENSING GUMMED TAPE

August C. Hummel, Cincinnati, Ohio

Application June 23, 1931, Serial No. 546,359
12 Claims. (Cl. 91—14.5)

2. In a hand device for dispensing gummed tape, a body member hollowed to form a reservoir chamber and a moistening chamber separated by a partition, said device being used with the moistening chamber lowermost, said chambers having openings respectively upon opposite sides of said body member and the moistening chamber opening laterally, closure means for said



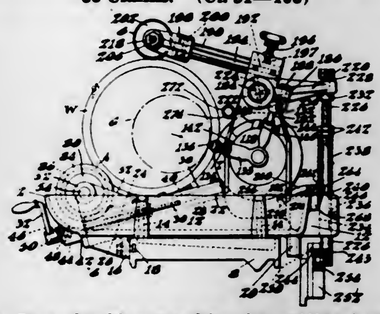
reservoir chamber, said body having on the side opposite said closure means, a relatively flat surface extending down to the opening of said moistening chamber and means to guide tape therealong to said moistening chamber, a passageway between said chambers and through said partition.

2,000,288

BORE CUTTING MACHINE

Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 15, 1929, Serial No. 332,627
33 Claims. (Cl. 51—103)



1. In a chuckless machine for cutting bores, a rotary cutting tool, a work head, a sliding table for one of said members to enable the tool to engage the bore of a hollow work-piece, a backing wheel and a supporting wheel rotatably mounted on the work head for rolling contact with the work-piece, an arm rockably mounted on an axis adjacent to one of the wheels, a pressure wheel carried by the arm for holding the work-piece against the other wheels, and means for regulating the length of the arm in accordance with the size of the work-piece; substantially as described.

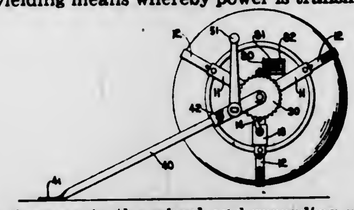
2,000,289

BRAKE TESTING DEVICE

Emil M. Kramer, Muskegon, Mich.

Application July 6, 1932, Serial No. 621,001
9 Claims. (Cl. 265—1)

6. In a brake testing device, a body member mounted in prolongation with the axis of the wheel, arms attached to the body member whereby the body member is attached to and carried by the wheel, a crank for manually operating the wheel, a gear associated with the crank and yielding means whereby power is transmitted



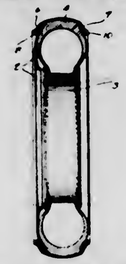
from the gear to the wheel and recording means for recording the force exerted to turn the wheel, said recording means being located upon and carried by the said body member.

2,000,290

COVER FOR SPARE TIRES OF AUTOMOBILES

George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware

Application April 9, 1930, Serial No. 442,749
2 Claims. (Cl. 150—54)



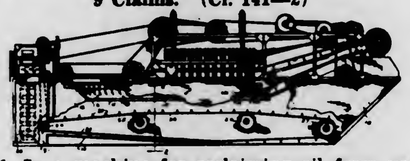
1. A tire cover for spare tires comprising a side part to substantially cover the outer side wall of the tire and sufficiently rigid to sustain itself against collapsing and a tread covering part made from relatively flexible sheet material such as fabric sheet extending from said side part across the tread of the tire and provided with expansible and contractible means whereby the inner circumferential side of said tread part is brought into holding engagement with the tire said tread covering part comprising an endless continuous ring of curved channeled cross-section which defines a shallow annular pocket open on the inner side of the ring to accommodate the tread of the tire after it is stretched over the outer periphery of the tire in cooperation with said side part and the inner side of the tire tread.

2,000,291

MEANS FOR RECLAIMING USED JOURNAL-BOX WASTE

Leo C. McNamara, Thomas W. Potter, and Irvin M. Conway, Indianapolis, Ind., assignors to Journal Box Servicing Corporation, Indianapolis, Ind., a corporation of Indiana

Application May 4, 1929, Serial No. 360,544
9 Claims. (Cl. 141—2)



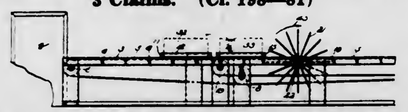
1. In a machine for reclaiming oil from used journal-box waste, a screen for waste formed of a plurality of longitudinal bars of comparatively narrow width, rods passed transversely through said bars, and spacer washers carried on said rods spacing apart said bars one from the other.

2,000,292

MATERIAL HANDLING APPARATUS

Frank S. Miller, Steubenville, Ohio

Application September 25, 1931, Serial No. 565,060
3 Claims. (Cl. 198—81)



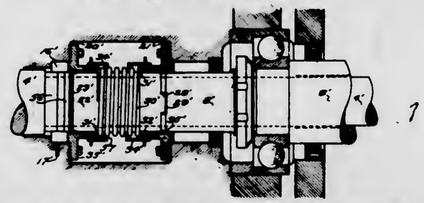
1. In a material handling apparatus, a conveyor, a plurality of individually operative cross conveyors for receiving material therefrom, means for rendering said cross conveyors individually operative, a turn-over mechanism receiving material to be turned over immediately from said first mentioned conveyor, a second series of cross conveyors for receiving material from said turn-over mechanism, and means for rendering the conveyors of said second series operative at will.

2,000,293

SEAL FOR CONVEYING APPARATUS

Joseph H. Morrow, Hokendauqua, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application August 15, 1933, Serial No. 685,167
5 Claims. (Cl. 286—9)



1. In an apparatus for conveying pulverized material which includes a casing having a wall provided with an opening and a shaft in the casing extending through the opening and supported for rotation in bearings outside said casing, means for preventing passage of said material through said opening which comprises a chamber surrounding the shaft between the opening and the bearings, a bushing surrounding and rotating with the shaft and lying wholly within said chamber, a fixed bearing surface on a wall of the chamber around said opening, a ring mounted removably on said bushing and having a bearing surface in the plane of rotation of said shaft and engaging said fixed surface, said ring also having a circumferential channel, compressible packing material lying within said channel in contact with the surface of said bushing, spring means surrounding said bushing and forcing said packing against said bushing and forcing said bearing surfaces into contact, and a port in said chamber through which said bushing, spring means, ring, and packing material can be removed.

2,000,294

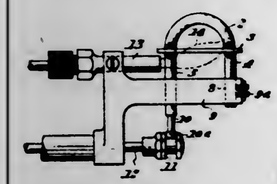
THERMOSTATIC STRUCTURE

Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania

Application December 8, 1933, Serial No. 701,465
6 Claims. (Cl. 297—11)

1. As a new article of manufacture, a thermostatic structure comprising a support, a curved

member having oppositely disposed arm portions, one of said arms being rigidly secured to said support, and a thermally responsive element



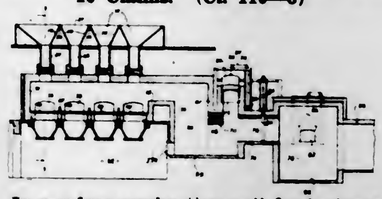
positioned within said curved member and extending between oppositely disposed arm portions thereof, and arranged to impart relative movement to said arms upon expansion of said element.

2,000,295
HANDGRIP FOR GOLF CLUBS AND THE LIKE
John M. Oldham, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application December 31, 1931, Serial No. 584,171
1 Claim. (Cl. 273—81)



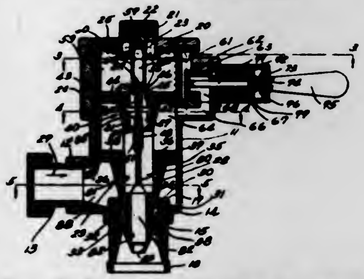
A hand grip for golf club shafts comprising a continuous one piece sleeve formed of cork or other material of limited compressible, disintegratable, and non-slip characteristics in the hand of the player and telescoped over an end portion of the shaft, said sleeve being pre-formed with a spiral groove of extended width in the exterior surface thereof; and a flat strip of a width to fit closely within said groove and of inelastic material having a smooth wear resisting exterior surface, wound about said sleeve within said groove under tension to firmly clamp and hold said sleeve in firm contact with said club shaft and protect the exposed portions of said sleeve between the turns of said groove, said strip being of a thickness to fill said groove flush with the exterior surface of said sleeve between the turns of said strip and being cemented within said groove to firmly hold said strip throughout its entire length flat upon the bottom of said groove, said turns of said strip together providing a smooth wear resisting surface forming an extended portion of the hand grip surface with the non-slip surface of the sleeve exposed and slightly bulged between said turns by the compression of said sleeve by said strip.

2,000,296
MEANS OF REFUSE INCINERATION
Irwin S. Osborn, Cleveland Heights, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application April 30, 1932, Serial No. 608,376
10 Claims. (Cl. 110—8)



1. In a refuse combustion unit for incinerating plants, a furnace for burning refuse including material having a light-weight combustion residue, and a combustion passageway, an expansion chamber, and a stack disposed in serial relation with the furnace, the expansion chamber having cross-sectional area at least three times as great as that of the combustion passageway and having volumetric capacity sufficiently large to cause the velocity of gases flowing from the furnace through the passageway to the stack to be reduced at the expansion chamber, after substantially complete combustion, sufficiently to cause residue of light weight carried from the furnace and through the passageway, by the flow of gases of combustion therethrough, to fall by gravity in the expansion chamber and collect therein and not be discharged into the stack.

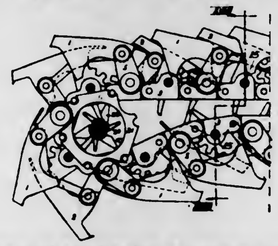
2,000,297
FLUSH VALVE
Walter Putnam, Pasadena, Calif.
Application October 25, 1932, Serial No. 639,429
13 Claims. (Cl. 137—93)



1. In a flush valve mechanism for controlling the flow of water from a supply pipe to a conduit leading to a toilet bowl, the combination of: a body having a bore with a discharge opening at the lower end thereof and a valve seat at the inner end of said discharge opening, and inlet means adapted to connect the lower end of said bore with said supply pipe; valve means in the lower part of said bore having a main valve element adapted to engage said valve seat and a projecting secondary valve element adapted to project into said opening, there being an annular wall at the upper end of said valve means forming a piston in said bore above said inlet means, said valve means having an axial opening from the top to the bottom thereof; an actuating piston in the upper part of said bore having a projection extending downwardly into engagement with said valve means, there being an air chamber formed between said actuating piston and the upper end

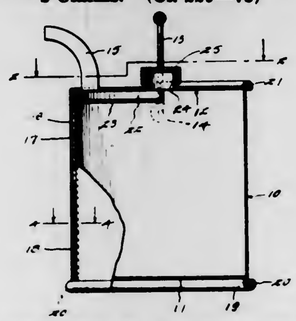
of said valve means and a fluid chamber above said actuating piston in said bore; walls forming a passage connecting the fluid chamber with said inlet means for introducing a flow of water into said fluid chamber; walls forming a releasing passage connecting said fluid chamber with said air chamber; and valve means in said releasing passage adapted to be opened to permit the discharge of water from said fluid chamber into said air chamber, said water flowing from said air chamber through said axial opening of said valve means.

2,000,298
TRAVELING CHAIN GRATE
Franz Emil Max Schenk, Altona, Germany, assignor to Frederick W. Buse, Pittsburgh, Pa.
Application April 2, 1931, Serial No. 527,310
In Germany April 12, 1930
16 Claims. (Cl. 110—40)



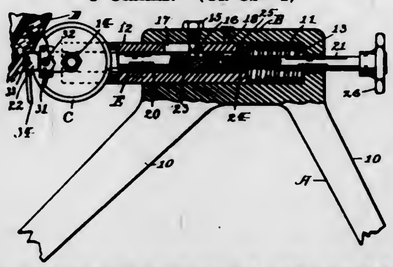
4. A grate chain having an upper run moving toward the front of the furnace and a lower run moving in a reverse direction, grate bars carried on said chain and movable relative thereto, and means for moving said bars while traversing the upper run of the chain to shift fuel thereacross in opposition to the movement of the chain in the upper run.

2,000,299
SAFETY OIL CAN
Joseph E. Schlorff, Pesotum, Ill.
Application February 8, 1934, Serial No. 710,342
3 Claims. (Cl. 220—75)



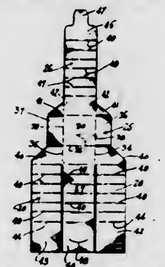
1. A container as set forth comprising a side wall structure constructed of a single sheet of material, separable means for securing the free edges of the material together to form a separable seam on the front side of the container, inseparable means engaging the separable means from the bottom of the container to a point spaced downwardly from the upper edge of the container to prevent separation of the lower portion of the seam, a top secured to the upper edges of the side wall structure, and a bottom secured to the lower edges of the side wall structure.

2,000,300
TIRE GROOVING MACHINE
Horace F. Scruby, Beverly Hills, Calif.
Application April 11, 1932, Serial No. 604,503
5 Claims. (Cl. 82—4)



1. A device for grooving the tread surface of a tire circumferentially, consisting of a knife supporting shaft in proximity to said tread surface having a slotted end, a groove cutting knife having substantially a semi-circular cutting edge and a shank inserted in the slot in the end of said shaft, a collar around the slotted end of and contacting said shaft to hold said shank, means for supporting said shaft and an antifriction guard cooperating with said knife to define the depth of cut imparted by the knife in said tread surface.

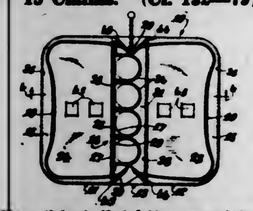
2,000,301
PROGRESSIVE CONTAINER
Edward Norman Snodgrass, Denver, Colo., and Mitchel E. Holy, Chicago, Ill., assignors to Norman Confections, Inc., Denver, Colo., a corporation of Colorado
Application April 2, 1932, Serial No. 602,712
8 Claims. (Cl. 206—56)



1. In a container of the character described, the combination with a tubular member open at an end to serve as a casing, of a collapsible casing liner comprising a plurality of walls, a flap conforming substantially in configuration with the cross-sectional interior of said tubular member to serve as the liner bottom for telescopic association with said casing through an open end thereof, one of said walls being in creased connection with an edge of said liner bottom for extension therefrom, another of said walls being in creased connection with the opposite edge of said liner bottom for confronting extension therefrom, another of said walls extending in a lateral direction from each side edge of said last named wall in creased connection therewith, confronting overlapping extensions in creased connection with said walls, inter-engaging means formed on certain of said wall extensions to serve as the top closure of said liner, and flaps in creased connection with the lateral edges of said liner bottom for extension therefrom for enabling

the complete folded association between said walls and bottom to completely confine contents therein, said liner being displaceable from said tubular member to expose the liner contents.

2,000,302
PORTABLE RECEPTACLE
Morris Solomon, Brooklyn, N. Y., assignor to Fiber Leather Products Co., Inc., New York, N. Y., a corporation of New York
Application February 25, 1935, Serial No. 7,951
15 Claims. (Cl. 132—79)



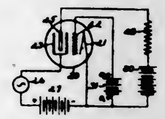
1. A collapsible toilet kit comprising a box-like element including a plurality of side walls and an edge wall having hinge connection with each of the side walls along spaced lines, whereby the box element can be fully opened up with said walls lying in a horizontal plane, a flap like alining member hingedly connected to the box element along one of the hinge lines, so as to be swingable with respect to said walls, and article holding members disposed side by side along the said edge walls and spaced above the same, said holder members being connected to the alining member along one side thereof so as to be maintained by the alining member in superposed relation to said edge wall; and the holder members being each open at the top and bottom thereof for the reception of articles to be downwardly inserted into the holder members with said articles resting directly upon said edge wall, said alining member and said holding members being maintained upright by the gravitational stability of said articles when the box element is fully opened up, and the alining member, holding members and articles being adapted to be housed in assembly relation as aforesaid in the closed position of the element.

2,000,303
REFLECTOR MOUNTING
George F. Tanchmann, Berkeley, Calif.
Application October 15, 1932, Serial No. 637,887
5 Claims. (Cl. 88—105)



1. In a reflector mounting, a plate having a reflecting surface, a supporting plate, and means securing said plates together in spaced relation to each other comprising a plurality of apertured spacing elements in angularly abutting relation with each other and having their opposite sides secured to said plates by an adhesive substance.

2,000,304
THERMIONIC TUBE
Frederick E. Terman, Stanford University, Calif.
Application April 25, 1931, Serial No. 532,742
6 Claims. (Cl. 250—27)

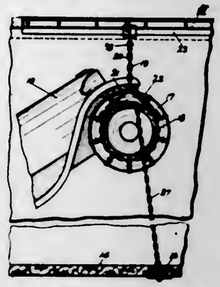


1. In a vacuum tube circuit, a tube having a control electrode capable of emitting secondary electrons, an anode, an output circuit for said tube connected to said anode, an input circuit for applying a variable potential to said control electrode and separate from said output circuit, and means for applying a positive biasing potential to said electrode such that the rate of change of current to said control electrode and the rate of change of secondary electron current drawn therefrom with changes of potential thereof are substantially equal.

2,000,305
DISTILLATION OF MINERAL OILS, TARS, AND STILL RESIDUES
Alfred M. Thomsen, San Francisco, Calif.
No Drawing. Application February 1, 1930, Serial No. 425,344
6 Claims. (Cl. 75—65)

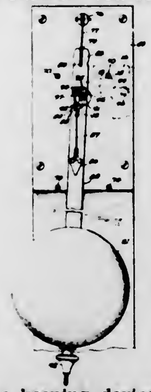
1. In the process of distilling mineral oils, tars, and still residues, the method of commingling same with a finely powdered, oxidized, complex zincy ore, and then distilling said mixture in two stages, to-wit: an agitation stage, and a quiescent stage.

2,000,306
HANGER FOR AUTOMOBILES
Kenneth J. Tobin, Chicago, Ill., assignor, by mesne assignments, to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application February 15, 1932, Serial No. 593,037
9 Claims. (Cl. 105—368)



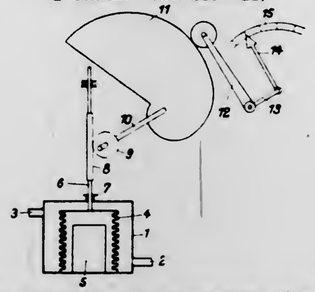
1. In combination, in a railway freight car, an automobile in said car and a sling engaging each wheel at one end of said automobile to secure said end in suspended position in said car, each of said slings comprising a member engaging the entire circumference of a wheel and a portion extending upwardly therefrom adapted to be secured to said car above said suspended end, means extending from said member adapted to be secured to said car above said suspended end, said portion and said means being fastened to said member above the axis of rotation of said wheel.

2,000,307
ALTERNATING CURRENT CLOCK
William J. Van Osdel, Chicago, Ill.
Application July 21, 1931, Serial No. 552,220
8 Claims. (Cl. 58—26)



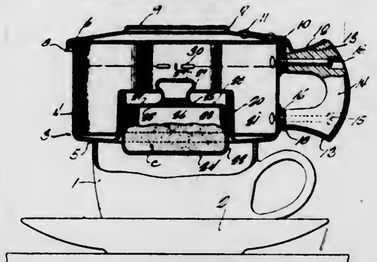
8. In a time keeping device of the class described, a constantly rotatable element provided with one or more peripheral shoulders, and a member separate therefrom and mounted for free movement about a fixed pivot, adapted to engage and rest upon the periphery of said element and co-operating therewith to cause an audible signal simulating the ticking of a clock, said member adapted to be moved out of engagement with said element to eliminate at will the said audible signal, the said member and element also co-operating to maintain the said element against retrograde movement.

2,000,308
VOLUME METERING APPARATUS
Friedrich von Schütz, Berlin-Charlottenburg, Germany, assignors to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application July 27, 1931, Serial No. 553,404
In Germany June 25, 1930
1 Claim. (Cl. 265—44)



In an apparatus for measuring the specific volume of gases, a casing having a gas inlet and a gas outlet, a closed cylindrical hollow vessel in said casing, this vessel being elastic in its axial direction and adapted to be filled with a gas, a solid body in said vessel for diminishing the volume of gas contained in the vessel, a shaft, means for converting the stroke of said vessel to a pivotal movement of said shaft, a cam connected rigidly to said shaft, a second shaft, and a rocking lever pivoting around said second-mentioned shaft and operatively connected to said cam and a pointer connected to the rocking lever, the said cam being so calibrated that the deflections of the rocking lever are proportional to the logarithms of the values of the specific volume of the gas contained in the vessel.

2,000,309
ONE CUP COFFEE MAKER
Robert H. Wentorf, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application March 1, 1933, Serial No. 659,150
6 Claims. (Cl. 53—3)



1. A coffee percolator comprising a container having a body portion and a bottom, means coacting with the bottom to define a coffee receiving chamber and also coacting with the body portion to define a chamber for preventing a portion of the liquid introduced into said container from entering said coffee receiving chamber, said bottom being perforated within the confines of said coffee receiving chamber, and a perforated separator between the upper part of the coffee receiving chamber and the interior of the container.

2,000,310
METHOD OF AND MEANS FOR MIRROR MAKING
Henry G. White and Francis Logan Porter, High Point, N. C.
Application February 19, 1934, Serial No. 712,077
9 Claims. (Cl. 41—29)

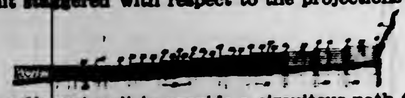


9. That method of ornamenting transparent sheets of material which comprises forming a design on one surface of the sheet with a soluble material then applying a silver film to said one surface, then subjecting the soluble material to a solvent to remove the same from the sheet to leave an ornamental unsilvered portion on said surface of said sheet.

2,000,311
JETTY
Sydney M. Wood, Lake Bluff, Ill., and Harry A. Schmitt, Milwaukee, Wis.
Application January 6, 1934, Serial No. 705,494
12 Claims. (Cl. 61—4)

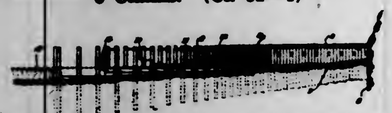
4. A jetty comprising an elongated wall extending outwardly at an angle to the shore, said wall being formed of superimposed layers of similar transversely laid units, each unit being formed with lateral projections, the units being laid in

spaced apart relation with the projections of one unit staggered with respect to the projections of



an adjacent unit to provide a circuitous path for water, upper layers being of less width than layers therebelow to provide tapered sides.

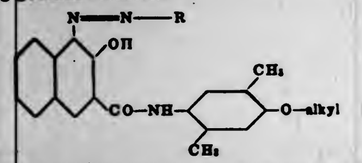
2,000,312
JETTY
Sydney M. Wood, Lake Bluff, Ill.
Application January 6, 1934, Serial No. 705,495
6 Claims. (Cl. 61—4)



2. A jetty comprising an elongated wall extending outwardly at an angle to the shore, said wall being formed of parallel rows of spaced upright members, and other members laid horizontally between said rows, the spacing of the upright members increasing outwardly, and the height of the portion formed by said horizontally laid members decreasing outwardly thereby providing in combination with the upright members a jetty of outwardly increasing permeability to partially obstruct littoral currents and cause a gradual decrease in the velocity of said currents and the deposit of beach building material.

2,000,313
WATER-INSOLUBLE AZO-DYESTUFFS AND FIBER DYED THEREWITH
Arthur Zitscher, Offenbach-on-the-Main, and Wilhelm Lambert, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 9, 1934, Serial No. 705,970. In France January 12, 1933
14 Claims. (Cl. 260—95)

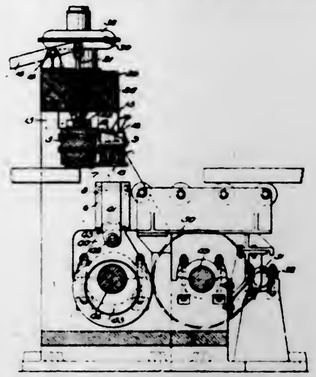
2. The water-insoluble azo-dyestuffs of the following general formula:



wherein R stands for a radical of the benzene, naphthalene, diphenyl, carbazole or anthraquinone series, yielding, when produced on the fiber, dyeings of various shades and very good fastness properties.

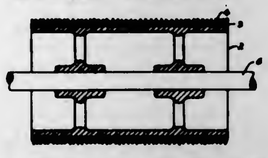
2,000,314
UP-CUT SHEAR
Floyd A. Beatty, Cerlisle Station, Pa., assignor to Lewis Foundry & Machine Company, Groveton, Pa., a corporation of Pennsylvania
Application January 21, 1931, Serial No. 510,217
2 Claims. (Cl. 164—47)

2. In shearing apparatus, the combination of an upper shear, a lower shear movable vertically relative to the upper shear to sever material, material supporting means for positioning a length of the material for severing into sections, the lower shear being engageable with the material so as to displace the end of the corresponding section relative to the remainder of said section and deform the section during the shearing oper-



ation, means for actuating said lower shear, and opposed straightening means engageable with said displaced end for pushing downwardly thereon and reshaping the section as the lower shear is lowered.

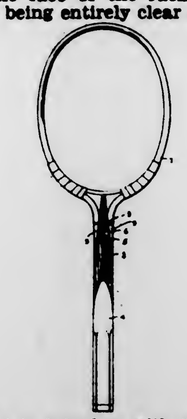
2,000,315
APPARATUS FOR TREATING FABRICS
Raymond C. Benner, Henry P. Kirchner, and Ronnie L. Melton, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application December 5, 1932, Serial No. 645,760
2 Claims. (Cl. 26—31)



1. Apparatus for treating cloth comprising a rotary support and a covering fastened thereto, said covering comprising a web coated with elongated abrasive particles the major proportion of which are separated from each other by a distance less than their major axes and attached endwise to the surface of the web.

2,000,316
RACKET
Cecil Bentley, Niagara Falls, Ontario, Canada
Application June 23, 1930, Serial No. 463,213
3 Claims. (Cl. 272—73)

1. In a racket, the combination with a bow portion, and a handle embraced by the terminal ends of said bow and extending therefrom, said handle having a reduced cane core portion subject to flexing stresses, of a thin flat flexure-control strip incorporated solely within the handle, said control strip being confined at one end in the base end of the handle and intersecting the plane of the racket face and extending longitudinally of the handle and bridging said reduced cane core portion and confined at its other end between the said terminal ends of the bow for the purpose of restricting flexture of said reduced cane core portion in a direction transversely of the face of the racket, said flexure control strip being entirely clear of the bow por-

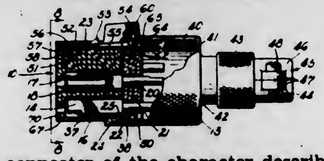


tion so as not to interfere with the natural flexibility and desired lightness of the bow.

2,000,317
SOY BEAN FLOUR
William B. Bishop, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application March 2, 1933, Serial No. 659,347
3 Claims. (Cl. 99—11)

1. The process for preparing soy bean flour, which comprises increasing the normal moisture content of soy beans, subjecting the moist beans to a relatively high temperature for a short period of time, drying said beans at a reduced temperature, expelling oil from the dried beans at a relatively low temperature, and grinding the expelled beans into flour form.

2,000,318
CORD CONNECTER
James H. Cannon, Los Angeles, Calif.
Application May 22, 1933, Serial No. 672,125
7 Claims. (Cl. 173—328)



1. A connecter of the character described, including: primary and secondary connecter members adapted for interengagement, said primary member comprising a body having a longitudinal groove along the outer face thereof, and said secondary member having a tubular wall to extend over said body of said primary member, there being a shoulder in the inner face of said tubular wall; a catch member lying in said groove of said body, said catch member having a catch dog on the outer face thereof to engage said shoulder in said tubular wall; a relatively thin metal wall on one end of said body forming a bridge across the forward part of said groove and over one end of said catch member for holding said end of said catch member in said groove; a wall on the opposite end of said body for limiting the outward movement of the opposite end of said catch member relative to said groove; a spring coextensive with said groove for yieldably moving said catch member outwardly a limited distance to keep said dog in engagement with said shoulder when said connecter members are in interengagement; a stop on said catch member adapted for engagement with said body to prevent endwise movement of said catch member and said spring in said groove; and a manually operable projection on said catch member for moving the latter inwardly so as to move said dog from engagement with said shoulder to permit separation of said connecter members.

2,000,319
AUTOMATIC MIXING VALVE
Frederic C. Chadbern, Newburgh, N. Y.
Application August 19, 1933, Serial No. 685,876
14 Claims. (Cl. 236—12)



1. The combination with a valve having a rotatable gate, of a lever fast to the gate, a lead element pushing and pulling the lever, and varying in length sufficiently with changed temperature to operate the lever and alter the position of the gate to vary the flow of water through the valve, a water conduit leading from the valve so that the water bathes a face of the element to control its length, and a support of harder metal lying against the lead element throughout most of its length to support it.

2,000,320
HOUSE CAR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 9, 1933, Serial No. 688,738
19 Claims. (Cl. 105—409)

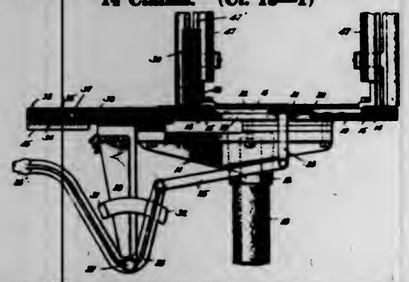
1. A converted house car including: a metal underframe including cross members and side sills, and sheet metal ends, the lengths of said cross members and the width of the sheet metal ends and location of the side sills with reference to the longitudinal center line of the car corresponding to those of a U. S. R. A. standard steel frame double sheathed box car having an inside width of 8', 6''; metal side plates; metal door and intermediate side posts disposed laterally outwardly of the outside plane of the side sills; sheet metal side wall sheathing attached to said intermediate posts on the outer side thereof, the upper edges of the sheathing being connected to the side plates and the lower edges being outwardly spaced from the side sills; means bridging the space between and connecting the lower edges of the sheathing and respective side sills; and

separate means providing a support for and a direct connection from each intermediate post to the side sill, said posts and the location thereof being such as to provide an inside width of the car in excess of 8', 6".



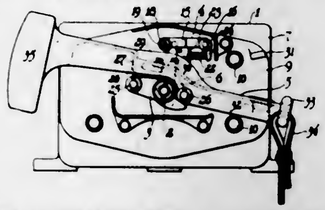
2. A house car including: a metal side sill; a metal side plate; a sheet metal end; metal side posts; sheet metal side wall sheathing the lower edge of which terminates in a plane outwardly spaced from the sill; means for attaching the upper edge of the sheathing to said side plate; means for attaching the sheathing to said side posts; means bridging the space between and connecting the lower edge of the sheathing to the side sill; and supporting and connecting members at the bottom of said posts, each member being directly secured both to a post and to the side sill.

2,000,321
MAGAZINE SHOE FILLER UNIT
Charles F. Eaton, West Newbury, Mass., assignor to North American Chemical Company, Cambridge, Mass., a corporation of Massachusetts
Application October 20, 1933, Serial No. 694,394
14 Claims. (Cl. 18—1)



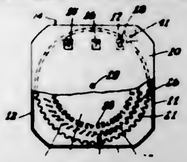
12. Apparatus for holding, delivering and heat-conditioning shoe-bottom filler units comprising, in combination, a rotatable support, a number of magazines carried by said support, each magazine adapted to hold a stack of filler units, the top side of the support constituting the bottom of each magazine, a heater adjacent the rotatable support having a top surface constituting substantially a continuation of the bottom of each magazine when the magazine is in delivery position, the support being rotatably adjustable to bring the magazines successively into delivery position opposite the heater, and a feed slide operable to shove the lowermost filler unit from that one of the magazines which is in delivery position onto the heater.

2,000,322
SNAP OPERATING MECHANISM
Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 1, 1933, Serial No. 668,781
6 Claims. (Cl. 74—100)



1. The combination with a control device having an operating shaft rotatable in opposite directions between given extreme positions, of a latching mechanism associated with said shaft for locking the same against movement out of either of said extreme positions and a weighted operating member arranged above said shaft and supported thereby, said member being movable in opposite directions with respect to said shaft and being adapted to act by gravity when moved in either direction with respect to said shaft to bias the same in a corresponding direction, and said latching mechanism being releasable by said operating member upon movement of the latter in opposite directions into given extreme positions.

2,000,323
COIN CONTROL REGISTER BANK
Jacob Farber, New York, N. Y., assignor to Lina Charnes Farber, New York, N. Y.
Application December 14, 1933, Serial No. 702,303
3 Claims. (Cl. 235—100)

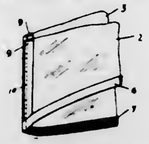


1. In a register, a disk, an inner series of numbers on said disk arranged in circular formation, said inner series of numbers including a plurality of groups of numbers, the numbers of each group ranging from 0 to 9 consecutively, and an outer series of numbers on said disk arranged in circular formation, the numbers of the outer series being arranged along chords with respect to the circular arrangement of the numbers of the inner series, the outer series of numbers including groups of numbers, there being ten identical numbers in each group and the groups being arranged in numerical order.

2,000,324
PROTECTIVE COVER FOR GARMENTS
Nathan I. Fleischer, Cincinnati, Ohio, assignor to I. Fleischer & Sons, Cincinnati, Ohio, a firm composed of Nathan I. Fleischer and Jacob I. Fleischer
Application October 15, 1932, Serial No. 637,963
1 Claim. (Cl. 223—61)

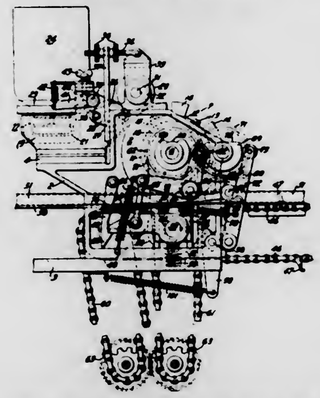
A device of the character mentioned comprising two sheets of transparent material shaped to register along their edges, separate adhesive tapes secured to and overlapping certain of the edges

of each of said sheets, and stitching through and uniting said tapes along said edges whereby said



sheets are assembled and exposure of the adhesive portions of said tapes inside said device is prevented.

2,000,325
GLUING MACHINE
George F. Ford, Los Angeles, and Walter F. Pittman, Huntington Park, Calif., assignors to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application July 15, 1932, Serial No. 622,670
8 Claims. (Cl. 91—50)



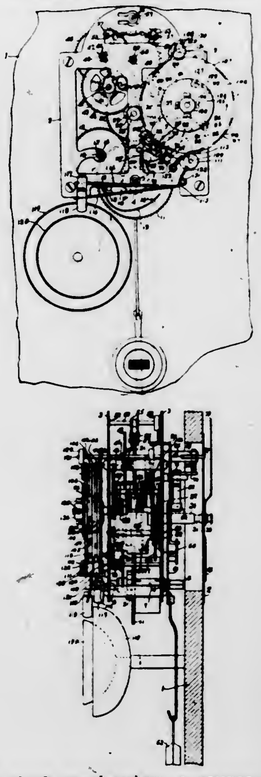
1. A machine for depositing glue on a blank of material, comprising a gluing roll, means for applying glue on the roll, means for feeding the blank past said roll, an impression roll having a normal position adjacent the gluing roll for supporting the blank and having a retracted position away from said roll, means mounting the impression roll for movement from one to the other of said positions, means urging the impression roll toward the retracted position, a latch engageable with said mounting means for holding the impression roll in its normal position adjacent the gluing roll, and means for releasing said latch to retract the impression roll.

2,000,326
FOOTWEAR
James B. Greider, Racine, Wis.
Application June 7, 1934, Serial No. 729,464
4 Claims. (Cl. 36—76)



1. A shoe comprising an upper, an insole, and an outsole, a pad of cushioned material interposed between the insole and the outsole at the heel and arch of the shoe, the wear sole terminating in rear of the arch and in front of the heel, the cushion pad having its lower face offset at the heel, and a removable wear heel secured in said offset.

2,000,327
CLOCK
Julius W. Hansen, Princeton, Ind.
Application March 14, 1929, Serial No. 347,041
8 Claims. (Cl. 58—13)



1. In a clock mechanism, a source of power, a differential gear mechanism in operative relation with the source of power, said differential gear mechanism consisting of a main gear, an auxiliary gear adapted to operate a time indicating mechanism consisting of a visual time indicating means and part of a sound time indicating mechanism, a second auxiliary gear associated with the differential mechanism and adapted to intermittently operate another part of the sound time indicating mechanism, means for holding said second auxiliary gear against operation, and means for releasing said last-named means to permit the operation of the sound time indicating mechanism through the second auxiliary gear.

4. In a clock mechanism, a power means, a rotatably mounted strike operating mechanism connected to the power means and adapted to be operated thereby at a uniform speed, a second means associated with the power means and engaging the strike operating mechanism adapted periodically to operate the strike operating mechanism at an increased speed.

2,000,328
MATCH
William Harris, Newark, N. J.
Application June 26, 1933, Serial No. 678,082
1 Claim. (Cl. 44—42)

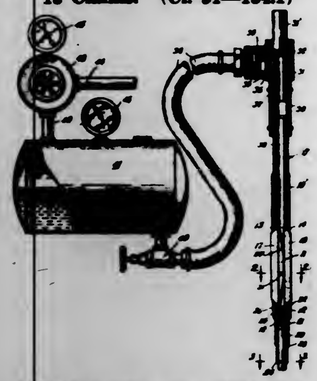


A match comprising a flexible stem, a fulminating head at the outer end thereof and a second fulminating head on the stem laterally thereof and contacting the stem with the outer end of the second head terminating in proximity of the inner end of the outer head whereby the second head will be ignited when the outer head is substantially consumed.

2,000,329
PROCESS OF PREPARING ALKALI METAL ALCOHOLATES
Paul Heisel and Edmund Berghelmer, Gersthofen, near Augsburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application September 1, 1933, Serial No. 687,906. In Germany September 27, 1932
10 Claims. (Cl. 260—156)

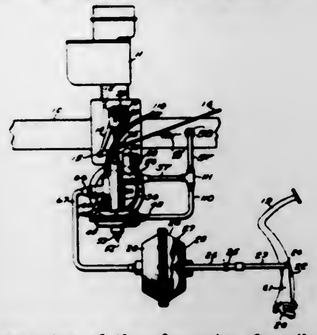
1. The process which comprises causing a vaporous alcohol to act upon a liquid amalgam of an alkali metal.

2,000,330
HONING TOOL
Carl F. High, Flint, Mich.
Application November 27, 1933, Serial No. 699,843
13 Claims. (Cl. 51—104.1)



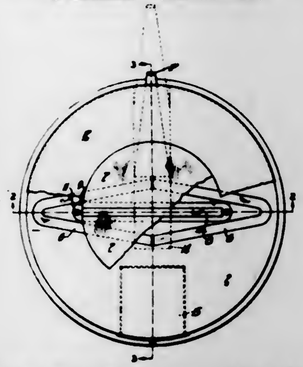
1. A rotary honing tool comprising, in combination, a supporting member having a cylindrical portion of a diameter providing a running fit in the hole to be finished, and having a diametrically extending recess provided with parallel side walls, a pair of stones positioned in said recess for movement radially therein, said member having a passage for supplying fluid under pressure to said recess between said stones so as to urge the stones outwardly into engagement with the work, and a port leading to the periphery of the member discharging the fluid under pressure to the bore being finished.

2,000,331
MOTOR VEHICLE CLUTCH CONTROL MECHANISM
Edward G. Hill, Richmond, Va., assignor to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia
Application February 3, 1934, Serial No. 709,650
19 Claims. (Cl. 192—.01)



1. Apparatus of the character described comprising a power device connected to a motor vehicle clutch, means for rendering said power device operative for disengaging the clutch elements and for releasing the clutch elements for movement to operative engagement, means automatically operative for checking the movement of the clutch elements prior to operative engagement thereof when said first named means releases the clutch elements for relatively rapid movement faster than a predetermined rate, and means operative when said first named means releases the clutch elements for movement toward engaged position at a rate slower than said predetermined rate and faster than a predetermined slower rate for checking the movement of the clutch elements prior to operative engagement thereof to an extent less than the checking effected by said second named means.

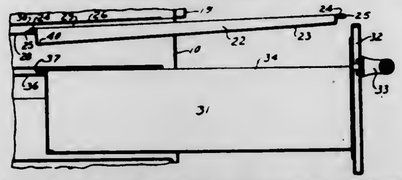
2,000,332
TOY
Otto T. Jensen, Fresno, Calif.
Application October 8, 1934, Serial No. 747,365
3 Claims. (Cl. 46—49)



1. A toy comprising a base, a plate of magnetic material on the base to provide a playing surface,

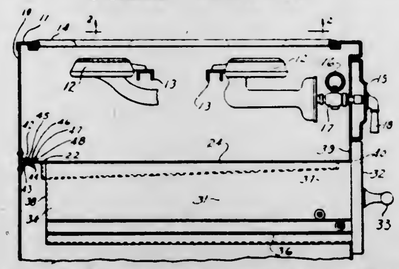
a playing object of magnetic material overlying said surface, means comprising a permanent magnet in the base for magnetizing said plate to hold the object in a predetermined position relative to the playing surface, and means comprising a bar of magnetic material for bridging the poles of said magnet for controlling the magnetization of said plate.

2,000,333
STOVE
Bertrand B. Kahn, Cincinnati, and William T. Bradbury, Hamilton, Ohio, assignors to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 17, 1931, Serial No. 557,500
5 Claims. (Cl. 126—39)



1. In a stove, a drawer compartment, a drawer within said compartment, said drawer having a vertically extending front portion providing a closure for said compartment, drip pan supports in said compartment, a drip pan slidably mounted on said supports, said pan supports being inclined upwardly toward the front of the compartment for withdrawal of the pan thereon upon opening the drawer to a clearance position with respect to the plane of movement of the pan on the supports, in which position the drawer is partially withdrawn from said compartment.

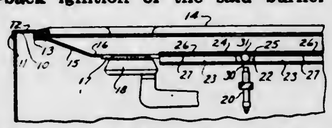
2,000,334
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 24, 1931, Serial No. 559,046
6 Claims. (Cl. 126—39)



2. In a stove, a drawer compartment, a drawer within said compartment, a drip pan slidably carried by said drawer, and means engageable with the pan upon movement to the position of use by closure of the drawer to retain the pan in retracted position for movement of the drawer relatively to the pan.

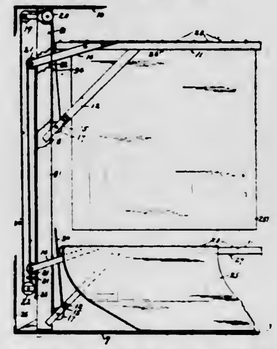
2,000,335
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 24, 1931, Serial No. 559,047
7 Claims. (Cl. 158—115)

2. In a stove, a plurality of burners, a pilot light, a plate extending between said burners, said plate having a depressed fuel conducting groove formed therein between the pilot light and a burner for flash-back ignition of the said burner and a



readily removable cover overlying the groove and cooperating therewith to form a fuel conducting passage.

2,000,336
RACK FOR DISPLAYING RUGS
Ford F. Kerr, Fresno, Calif.
Application December 26, 1933, Serial No. 703,891
2 Claims. (Cl. 211—47)

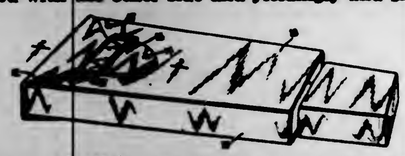


1. In a device of the character described comprising an upright support having slideways on opposite sides of said support, an arm assembly adapted to be moved up and down on said support and on said slideways, said arm assembly having an upper and a lower brace, a roller attached to the lower brace adapted to bear against the side of the upright support nearest to the arm assembly, a roller attached to the upper brace and adapted to bear against the side of the upright support opposite to the arm assembly, each of said rollers having a groove around the periphery thereof adapting said rollers as pulleys, pulleys positioned adjacent to the bottom of the upright support and also adjacent to the top of said support; and a belt anchored at one end to the upright post adjacent to the lower end thereof, thence passing around the groove in the roller attached to the upper brace, thence down and around the pulley adjacent to the lower end of the post, thence around the pulley at the top of said post, thence around the groove in the roller on said lower brace and thence to the top of said post where said belt is anchored, said rollers being adapted as both rollers and pulleys.

2,000,337
SLIDE RULE CASE
Adolf W. Keuffel, Montclair, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application November 1, 1932, Serial No. 640,592
8 Claims. (Cl. 150—52)

1. In a slide rule case or the like having a cover with a tongue thereon, the combination with a side of the case, of a strap secured at its ends thereto to form a passage for the tongue, said passage having spaced substantially parallel sides, a flat substantially rigid surface carried

with one side, at least one resilient tongue carried with the other side and yieldingly and slid-

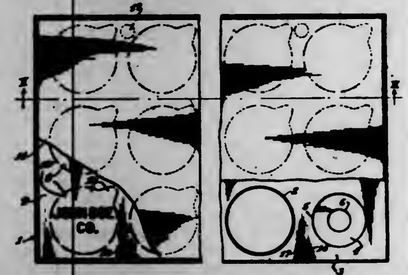


ably contacting with the tongue on the cover when inserted in the passage.

2,000,238
METHOD OF INDURATING CLAY AND PRODUCT FORMED THEREFROM
Max H. Eliefeth, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
No Drawing. Application July 28, 1932, Serial No. 625,525
24 Claims. (Cl. 25—156)

1. The method for indurating clay or clay-like materials which comprises disseminating a small amount of caustic alkali throughout said clay or clay-like material, and heating said mixture at a temperature substantially above 110° C. but not above 500° C. to produce a non-vitrified product having hardness approximating that of clay fired at a temperature near its fusion point.

2,000,239
PROCESS FOR MAKING CONFECTION PACKAGES
Frederick Thomas Krein, Park Ridge, Ill., assignor to Vortex Cup Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1932, Serial No. 649,576
6 Claims. (Cl. 62—173)



1. The process of making a package of confection, comprising the steps of placing a quantity of semi-liquid confection in a container, placing a cap over the mouth of the container, inverting the container, confection and cap while the cap closes the mouth of the container so that the container and confection are supported by the cap and the confection intimately contacts the cap, and subjecting the container, cap and confection to a sub-freezing temperature for the confection until the latter is solid and firmly adheres to the container and cap.

2,000,240
SHOE STRETCHING LAST
Patsy La Marca, Ceresopolis, and Quirino D. Remito, Charleroi, Pa.
Application October 20, 1933, Serial No. 695,764
11 Claims. (Cl. 12—138.3)

1. A combination adjustable shoe tree and shoe-stretching last, comprising a supporting frame, a pair of uniformly laterally expansible side sections adjustably mounted on opposite sides of said frame to form the instep and forward joint portions of the last, a detachable toe section secured to the front end of said frame, a tongue-shaped instep cover plate pivotally connected at



one end to said frame at its forward end, a cross wall secured to the rear end of said frame, an axially adjustable heel section pivotally secured to said cross wall and individual means for adjusting said heel section, said oppositely disposed instep sections, said oppositely disposed joint sections, and the upper end of said instep cover plate.

2,000,241
GREASE SEAL FOR BEARINGS
Everett P. Larsh, Vandalia, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application June 8, 1932, Serial No. 616,050
1 Claim. (Cl. 286—11)



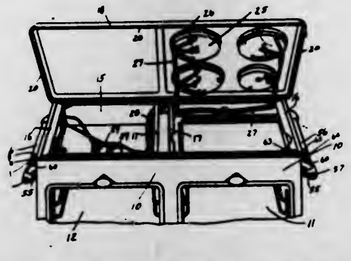
A sealing unit assembly for shaft bearings including an annular diaphragm, the annular medial portion of which is laterally offset into a plane substantially parallel to the marginal portions thereof and interconnected therewith by oppositely inclined beveled portions, a sealing ring of antifriction material fixed thereto coincident with one margin thereof, a pair of annular clamping members having flanges abutting the other margin of said diaphragm and a resilient member interposed intermediate one of said annular members and the sealing ring.

2,000,242
CONFECTION AND METHOD OF MAKING SAME
George E. Lathrop, Louisville, Ky., assignor, by mesne assignments, to The Popsicle Corporation of the United States, New York, N. Y., a corporation of Delaware
Application June 25, 1931, Serial No. 546,901
5 Claims. (Cl. 206—56)



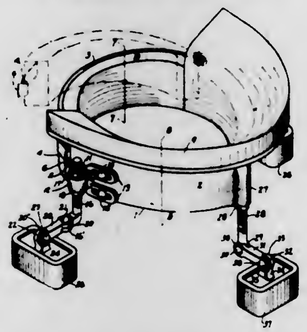
2. A handle for confections, cut, bent, and formed from a single piece of material comprising receptacle body and a bottom therefor, said bottom being formed by inwardly folded extensions of the body, said handle including gripping members formed by extensions of the side walls of the body.

2,000,243
TABLE TOP ELECTRIC RANGE
Francis A. Lasher, Marion, Ind., assignor to Rutenber Electric Co., Marion, Ind., a corporation
Application May 31, 1933, Serial No. 673,675
5 Claims. (Cl. 219—37)



3. An electric range having an open top frame, a cover of substantially equal length and width with the frame hingedly connected thereto and normally closing the top thereof, a plurality of independent electric heating elements arranged in spaced relation on said cover and extending through the top of the same, the bottoms of the several elements exposed to full view beneath said cover, each of said elements capable of being detached from said cover without disturbing the remaining elements, independent electric conductors for each of said elements, and a substantial part of said cover free of heating elements and constituting a table top.

2,000,244
SUPPORT FOR THE HEAD WHILE SLEEPING OR RESTING IN A SITTING POSITION
Garriott Lloyd McClellan, Cincinnati, Ohio
Application January 8, 1934, Serial No. 705,748
4 Claims. (Cl. 155—175)



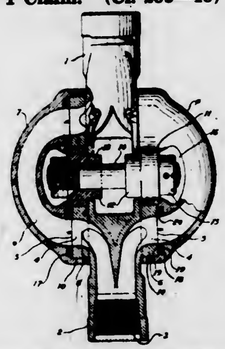
1. A support for the head of a person while sleeping or resting in a sitting position comprising a collar including two segments hinged at their adjacent ends to each other, means for detachably connecting said segments at their other ends whereby said collar can be opened by the wearer for placing it upon or removing it from his neck, the front and side portions of said collar having an upwardly and outwardly flaring flange, padding inside the collar and flange, and adjustable legs and feet attached to said collar to support it in proper position upon the wearer.

2,000,245
BAG
Walter K. Miller, La Grange, Ill., assignor to Shellmar Products Company, Chicago, Ill., a corporation of Delaware
Application October 15, 1932, Serial No. 637,871
6 Claims. (Cl. 229—53)



1. A bag made from non-fibrous cellulose sheeting having smooth-cut lips and being creased at its edge portions into flattened condition, said edge portions terminating in tangential, upwardly extending portions.

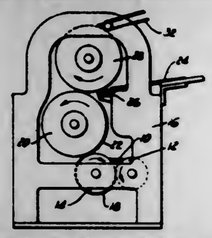
2,000,246
METALLIC SWING JOINT FOR PIPES
Demery A. Murphy, Torrance, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application June 13, 1933, Serial No. 675,576
1 Claim. (Cl. 285—18)



In a metallic swing joint connection, the combination of a pair of similar swivel members, each having a swivel head at one end formed with outwardly projecting and axially aligned trunnions and having a fluid passage extending therethrough and terminating in a pair of diverging branches opening laterally outward through the faces of the trunnions, a pair of connecting members having bearing sockets fitting over the trunnions and being provided with passages communicating with and connecting the fluid passages in the swivel members, packing means provided between the parallel trunnion faces and the complementary mating face of

each bearing socket, said packing means including a packing ring positioned in an annular radially confined groove in one of said faces, said packing ring having radially inward extending lip portions engaging the faces of the trunnion and the bearing socket respectively, means to convey fluid to said groove to expand the packing against said faces and adjustable means securing the connecting members in position on the swivel members.

2,000,247
COATING OF PAPER
John D. Murray, Chicago, Ill., assignor to The Murray Lignafilm Corporation, Chicago, Ill., a corporation of Illinois
Application July 24, 1933, Serial No. 681,838
16 Claims. (Cl. 91—67.9)



1. That method of providing a transparent protective coating for a sheet of ink printed paper or the like, without sufficient penetration of the paper substantially to affect the ink, which comprises forming a film of transparent coating material and solvent as a viscous liquid, evaporating part of the solvent from the film to give a partially self-sustaining film still containing a considerable proportion of solvent, affixing said partly-dried film under heavy pressure to the printed surface of the paper, and drying by evaporating substantially the remainder of the solvent.

2,000,248
VAT DYESTUFF OF THE ANTHRAQUINONE SERIES
Heinrich Neresheimer, Wilhelm Ruppel, and Anton Wimmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 20, 1932, Serial No. 618,242. In Germany June 25, 1931
7 Claims. (Cl. 260—60)

1. Vat dyestuffs of the anthraquinone series corresponding to the general formula

R—CO—NH—R'

in which R' stands for an anthraquinone radicle which may be substituted by a benzoylamino group and R for a 1,2-benzanthraquinone radicle in which the linkage to the —CO— group indicated in the formula is fixed to the Bz-nucleus, the remaining positions of the said benzanthraquinone radicle bearing atoms selected from the group consisting of hydrogen and halogen.

2,000,249
SEAL
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1932, Serial No. 640,185
9 Claims. (Cl. 286—1)

1. A seal of the character described, comprising: a casing having axially apertured side walls to accommodate a shaft therethrough; a flexible packing within the casing having an axial sleeve section; and means for yieldingly constricting said sleeve section including; a plurality of separate, pressure elements circumferentially arranged around the sleeve section and independent spring devices associated with each of said elements nor-

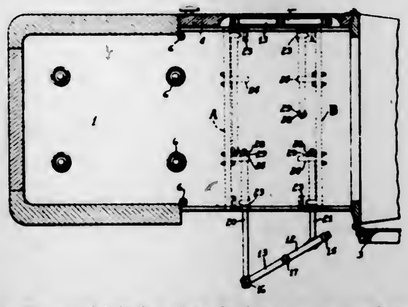


mally urging the same radially inward, said pressure elements together constituting an approximately continuous ring around the sleeve section, said ring and sleeve section having a substantially continuous band of contact of appreciable area.

2,000,250
FROTH FLOTATION PROCESS FOR OXIDE ORES
John Mark Paick, Milwaukee, Wis.
No Drawing. Application July 16, 1934, Serial No. 735,424
6 Claims. (Cl. 209—166)

1. The process of separating the mineral constituents of an ore containing a heavy mineral metal oxide which consists in mixing the ore in a finely divided state with water so as to form a pulp, agitating the pulp in the presence of an active acid, a water-insoluble liquid ketone and a saponifiable substance, supplying the pulp with air to produce a froth containing a concentrate, and removing the froth.

2,000,251
VEHICLE LOADING DEVICE
Sydney Paul, Lima, Ohio, assignor to Superior Body Company, Lima, Ohio, a corporation of Ohio
Application December 5, 1934, Serial No. 756,134
8 Claims. (Cl. 193—42)



1. In a vehicle loading device, two spaced supporting rods mounted for predetermined reciprocating movements relative to said vehicle, and a cross frame carried by said supporting rods and having a pivotal connection with one of said rods and a pivotal and sliding connection with the other.

2,000,252
GATE VALVE CONSTRUCTION
William T. Pease, Huntington Park, Calif., assignor to Snow Manufacturing Co., Los Angeles, Calif., a corporation of California
Application December 26, 1933, Serial No. 703,893
4 Claims. (Cl. 251—155)

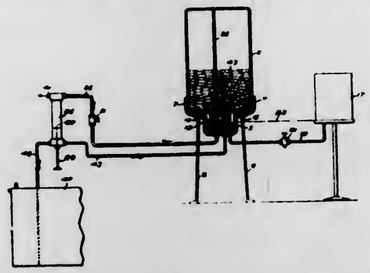


1. A gate valve comprising a pipe member of a lower melting point than zinc metal having a seat on one end thereof and a gate supporting member of galvanized iron secured to said pipe member back of said one end of said pipe member, said gate supporting member being adapted to retain a gate in sliding engagement against the seat on the end of said tubular member, said pipe member being joined to said supporting member during the casting operation.

2,000,253
PROCESS OF TREATING PHOTOGRAPHIC LAYERS IN A BATH CONTAINING A WETTING AGENT AND NEW PREPARATIONS INTENDED FOR ACTING ON PHOTOGRAPHIC LAYERS
Albert Schaeffer, Marxheim in Taunus, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application January 5, 1931, Serial No. 506,838. In Germany January 12, 1930
8 Claims. (Cl. 95—88)

2. Photographic developers for silver-halide emulsions containing a sulfonic acid of an alkylated aromatic hydrocarbon.

2,000,254
METHOD OF AND MEANS FOR CHARGING BAROMETRIC FEED DEVICES
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application April 20, 1932, Serial No. 606,509
12 Claims. (Cl. 158—40)



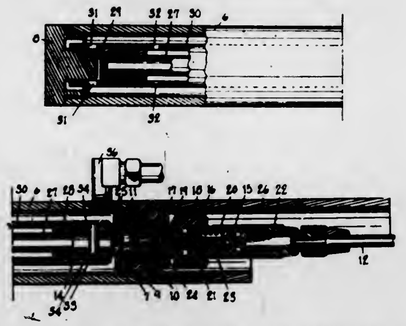
1. The combination with a constant level barometric liquid feed device, which body of liquid is sustained by the maintenance of a sub-atmospheric pressure space, of replenishing means comprising a main liquid supply tank, a liquid pump, an intake connection between the pump and said supply tank, a discharge connection from the liquid pump to said barometric feed device, an air pump having an intake connection opening into said sub-atmospheric pressure space, a discharge connection opening into the atmosphere, and means for operating said liquid and said air pumps simultaneously to supply liquid to the device, and simultaneously withdraw air therefrom in such relative volume and for such relative time as to insure against rise of the constant level maintained thereby.

2,000,255
DEEP-SEA ELECTRIC TELEPHONE CABLE
Eugen Sichtermann, Bodenkirchen, near Cologne, Germany
Application April 15, 1933, Serial No. 666,861
3 Claims. (Cl. 173—265)



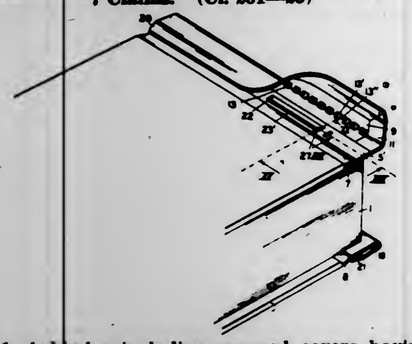
1. A deep-sea electric telephone cable consisting of a plurality of conductors wrapped in paper and of three strands consisting of an insulating material offering great resistance to a reduction in volume by pressure on all sides, two of said strands being T-shaped and the third strand being double-T-shaped, such strands being shaped and arranged one to another to leave four channels between them holding the conductors and leaving moreover sufficient free airspace.

2,000,256
HUMIDIFIER
Ferris N. Smith, Grand Rapids, Mich.
Application April 2, 1934, Serial No. 718,690
28 Claims. (Cl. 122—451.1)



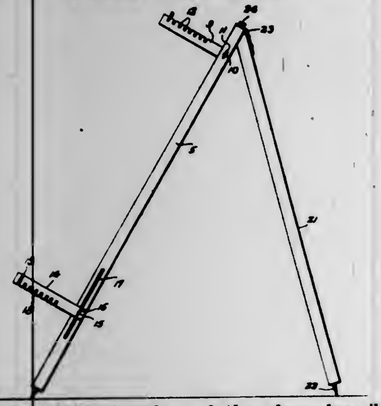
16. In a structure of the class described, the combination of a boiler, an inlet valve, a thermostatic element adjustably associated with said inlet valve, and a second thermostatic element mounted at the inner end thereof with respect to said inlet valve, said thermostatic elements having a connection at their outer ends, the second thermostatic element having a relatively low coefficient of expansion and being subject to the incoming water whereby it contracts in advance of the contraction of the coacting thermostatic element.

2,000,357
PERMANENT BINDER FOR LOOSE LEAVES
William H. Smith, San Francisco, Calif.
Application October 7, 1933, Serial No. 692,563
7 Claims. (Cl. 281—25)



1. A binder including opposed covers having binding heads with substantially rigid ends foldable back upon themselves; binding means extending through said heads beneath said ends.

2,000,358
CURTAIN STRETCHER
August Stalzer, Toledo, Ohio
Application July 16, 1934, Serial No. 735,471
2 Claims. (Cl. 45—24)



1. A curtain stretcher of the class described comprising a pair of parallel legs, a cross bar connecting the upper ends of the legs together, a prop connected with the cross bar, an arm having one end fastened to the upper part of each leg and extending outwardly at right angles therefrom, said arms having notches in their upper edges, a lower arm for each leg, the lower part of each leg having longitudinally extending slots therein and a bolt and nut for connecting one end of each lower arm to a leg with the bolt passing through the slot, each lower arm having a longitudinally extending row of notches in its lower edge, flat bars adapted to be passed through the hems in the ends of the curtains, the upper bars being adapted to be placed in the notches of the upper arms and the lower bars in the notches of the lower arms, one bar having a notch adjacent each end thereof passing through the upper edge of the bar, the notches in said bar being adapted to interfit with the outermost notches in the lower arms.

2,000,359
MERCHANDISING DISPLAY FIXTURE FOR SUCKERS AND OTHER MERCHANDISE
Emerson W. Stein, Sea Breeze, N. Y., assignor of one-half to Elmer E. Sharp, Fishers, N. Y.
Application October 23, 1933, Serial No. 694,790
2 Claims. (Cl. 211—60)



1. A merchandising display fixture for suckers consisting of a structure having two concentric mesh wire cylinders erected vertically upon a suitable horizontal block base.

2,000,360
AUTOMOBILE
William B. Stout, Detroit, Mich.
Application April 27, 1932, Serial No. 607,811
3 Claims. (Cl. 180—54)



1. In a motor vehicle, in combination, a body having an engine compartment in the rear end thereof, an engine in said compartment, a seat in said body having a back spaced forwardly of the forward wall of said compartment, said wall having an opening therein, means for introducing air into the space between said back and said wall, said compartment being provided with means for the egress of air therefrom introduced thereto from said space through said opening, a radiator positioned in the path of flow of air between said space and said compartment, and connections between said radiator and said engine.

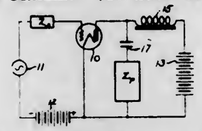
2,000,361
PROCESS OF PREPARING DIHYDROXY-BENZENEARSONIC ACIDS
Karl Streitwolf, Frankfort-on-the-Main, and Alfred Fehrle, Bad Soden-on-the-Taunus, and Hans Hilmer, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 8, 1931, Serial No. 536,078. In Germany May 26, 1930
7 Claims. (Cl. 260—14)

1. The process which comprises treating a compound of the following general formula

$$(OH)_2Ar—As=As—Ar(OH)_2$$

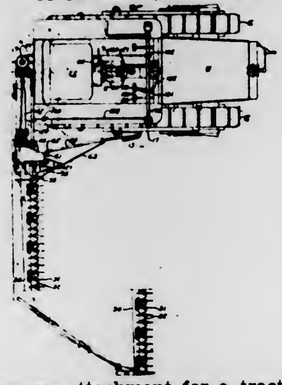
wherein Ar stands for a benzene nucleus which may be further substituted by a nitro group with a mild oxidizing agent in an amount sufficient to oxidize the arsenic atoms to arsonic acid groups.

2,000,362
FREQUENCY MULTIPLIER
Frederick E. Terman, Stanford University, Calif.
Application May 31, 1930, Serial No. 458,008
8 Claims. (Cl. 250—36)



1. A frequency multiplier comprising the combination of an amplifying device the input impedance whereof varies with voltage and which supplies an output current substantially proportional to input potential, a source of alternating current at a potential sufficient to cause changes in said input impedance, and an input circuit for said amplifying device comprising a network the impedance whereof varies with frequency connected in series with said source.

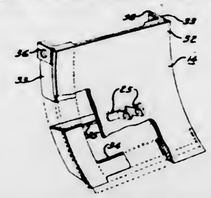
2,000,363
MOWER
Lowell H. Thoen, Stockton, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application January 7, 1933, Serial No. 650,692
38 Claims. (Cl. 56—25)



1. A mower attachment for a tractor having an endless track, rollers running on said track, and a frame resting on said rollers, comprising cutting means, a connection from said cutting means to the rear end of said tractor, said connection permitting said cutting means to have a swinging movement about a vertical axis and over the ground, and a releasably secured draft connection from said cutting means to said track roller frame operable to prevent said swinging movement unless a predetermined tension is exceeded in said draft connection.

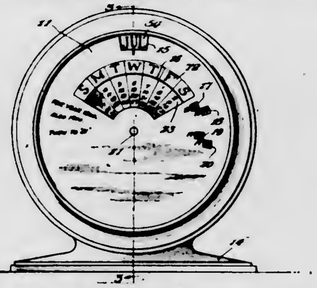
2,000,364
LAND VEHICLE CONSTRUCTION
Lowell H. Thoen, Stockton, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 25, 1933, Serial No. 686,806
2 Claims. (Cl. 280—160)

1. A check breaker adapted for positioning in front of a ground contacting member of a land vehicle comprising a plate, a reinforcing angle secured to the back of said plate adjacent each of the vertical edges of said plate, another reinforcing angle secured to the back of said plate



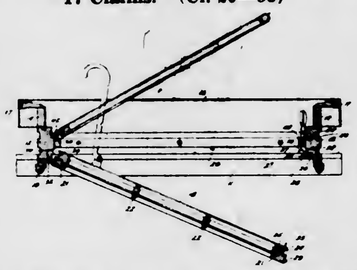
adjacent the cutting edge thereof, said first-mentioned angles having pivot providing means for pivotally attaching said check breaker to said vehicle.

2,000,365
DUAL CENTURY CALENDAR
Elbert L. Turnbaugh, Reno, Nev., assignor to Eternal Calendar Corporation, San Francisco, Calif., a corporation of California
Application April 4, 1933, Serial No. 664,396
10 Claims. (Cl. 40—115)



1. In a mechanical calendar, concentric dials bearing respectively the months, the years and the week days for a plurality of years, gear mechanism for actuating the dials, certain of the gears being adapted to have one tooth play, and means embodied in certain others of the gears for retarding one of the loose play gears to compensate for the extra day in each leap year.

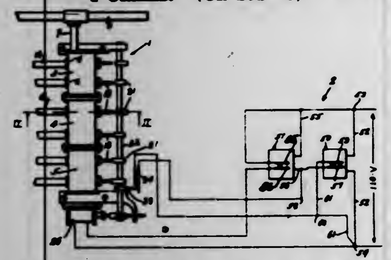
2,000,366
WINDOW CONSTRUCTION
Joseph N. Victor, Allentown, Pa.
Application December 15, 1933, Serial No. 702,624
17 Claims. (Cl. 20—53)



1. A casement window comprising a frame and sash, the sash being mounted for bodily movement laterally of the sash, said frame comprising top, bottom, and side members and there being a continuous shoulder formed thereon fac-

ing laterally, and a stop member for the sash secured to said frame, said stop member extending continuously around the frame, having the same cross-section at all points, and having a shoulder abutting the aforementioned shoulder on the frame.

2,000,367
AUTOMATIC VALVE CONTROL SYSTEM
Colonel J. Williamson and Herbert F. Suverkrup, San Bernardino, Calif.
Application July 2, 1933, Serial No. 678,856
4 Claims. (Cl. 161—7)



1. In a fluid flow control system, a plurality of valves for supplying fluid to different lines, a shaft mounted for rotation and having means associated therewith for opening different valves in different positions of rotation of the shaft, said shaft having at least one predetermined position in which all of said valves are closed, a first pair of normally open contacts, means associated with said shaft for closing said contacts when said shaft is in all positions except said predetermined position in which all of said valves are closed, electrically actuated means for rotating said shaft from one of said positions to the next succeeding position in response to application of an electrical impulse thereto, an operating circuit for said electrically actuated means, an electrically operated timing device having a pair of normally open contacts in the operating circuit of said electrically actuated means, said device when it is running periodically momentarily closing its contacts to deliver, on each closure, a single operating impulse to said electrically actuated means at predetermined relatively short time intervals, auxiliary switch means, and circuit means for energizing said timing device including said first pair of contacts and said auxiliary switch means in parallel, whereby said timing device may be started by closure of said auxiliary switch means and thereafter maintained in operation by current received over said first pair of contacts until said shaft reaches said predetermined position and opens said first pair of contacts.

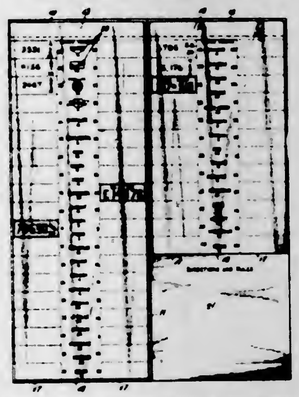
2,000,368
TARGET
William F. Winning and Carl Keyser, Braddock, Pa.
Application July 19, 1934, Serial No. 736,114
4 Claims. (Cl. 124—15.5)

1. A target having an aperture, and an indicator, said indicator having a bull's-eye portion and a caricature portion, the bull's-eye portion normally being disposed in alignment with the aperture, a shaft pivotally mounted to the target, said shaft having a crank portion swingably connected with the indicator means, detent means for releasably holding the indicator in operative position, and spring means associated with the shaft for rocking the crank portion to project the caricature portion of the indicator beyond the outer edge of the target, said shaft having



means for limiting movement of the indicator in either direction.

2,000,369
GAME
Carl H. Zeiss, Winnetka, Ill.
Application January 8, 1934, Serial No. 705,768
12 Claims. (Cl. 273—1)



1. A game board comprising a sheet of relatively stiff material divided into columns bearing the names of certain localities with blank spaces for scoring purposes, and a superimposed sticker sheet of relatively thinner paper divided into a body portion and a plurality of coupons corresponding in size to the location area in the base board, each of the coupons being detachable from the body portion of the sheet and provided with adhesive whereby it may be secured to a location area on the base board without otherwise disturbing the sticker sheet, the body portion of said sticker sheet bearing in a second column indicia of various makes of cars, score values adjacent the location area, and score values adjacent the car name, the sum of the location value and car name value indicating the total to be placed in the score space on the base board.

2,000,370
MILK PASTEURIZER
Leo A. Babcock, Cattaraugus, N. Y., assignor to Oakes & Burger Co., a corporation of New York
Application March 2, 1933, Serial No. 659,429
1 Claim. (Cl. 259—107)

A milk pasteurizer tank provided with a vertical rotatable shaft to which is fixed, about midway of the length thereof, an agitating propeller consisting solely of a single set of twisted blades arranged at an angle of about 45 degrees to said vertical shaft, one of said blades extending down to a point near the bottom of said tank and the

other of said blades extending upward to a point near the top of said tank; whereby the agitation

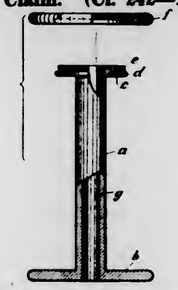


of the milk being pasteurized will be in proportion to the depth of the milk in the tank.

2,000,371
CEMENT PLASTER
Fred Bauer, Redlands, Calif.
No Drawing. Application May 20, 1933, Serial No. 672,043
2 Claims. (Cl. 106—24)

2. A plaster which comprises white limestone rock sand, hydrated lime, a cement selected from the group consisting of Keene's cement and Portland cement, and a small quantity of dried cactus plant in powdered form.

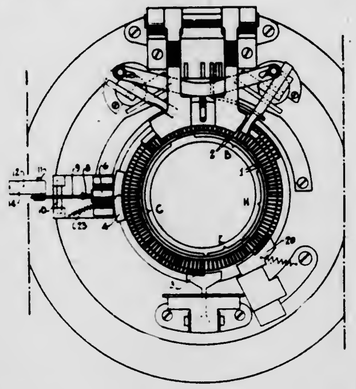
2,000,372
SPINNING BOBBIN
Ernst Beck, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application October 21, 1931, Serial No. 570,211
In Germany December 1, 1930
1 Claim. (Cl. 242—118)



A flanged bobbin, at least one flange of said bobbin comprising at least two rings having polished outer peripheries and fitted within one another, the outer rings being detachable from the inner ring, for the purpose described.

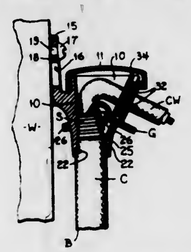
2,000,373
KNITTING MACHINE AND PROCESS FOR KNITTING BÉRET CAPS AND THE LIKE
Louis Borsook, Toronto, Ontario, Canada
Application December 1, 1933, Serial No. 700,518
7 Claims. (Cl. 66—48)

1. In combination with a circular reciprocatory knitting machine adapted to knit integrally a plurality of shaped segments to form a béret cap, a needle cylinder having a series of independent needles arranged in adjacent groups of varying butt lengths; a widening picker with a needle engaging wing on each side of its operative end designed to co-act with a plurality of needles composing certain groups and bring same into knitting relation at opposing ends of the series



of needles in active position at each oscillation until such needles are exhausted; cam means for lowering into action all needles of a certain other group as a unit at a predetermined point intermediate in said segment to knit an integral hat-band or fold over; cam means for raising all but ever-active needles out of action at the completion of each segment.

2,000,374
ENTRANCE FITTING
Stephen N. Buchanan, Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application September 13, 1933, Serial No. 689,181
12 Claims. (Cl. 247—6)



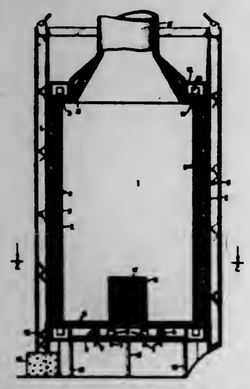
1. An entrance fitting comprising, a housing having an open top, means for securing the housing to a supporting structure with the open top facing upwardly, a cable receiving passage leading into the bottom of the housing and directed towards the open top thereby rendering it easy to pull a wire or cable through the cable receiving passage, the housing having an opening in one side thereof, a removable member covering the opening, a wire passage leading out through the removable member, a cable clamp, operating means therefor within the housing and being operable through the side opening, and a cap fitted over the open top.

2,000,375
TURPENTINE-FACE SCRIBE
Thomas N. Busch, Lake City, Fla., dedicated to the free use of the Public
Application February 9, 1935, Serial No. 5,800
1 Claim. (Cl. 33—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



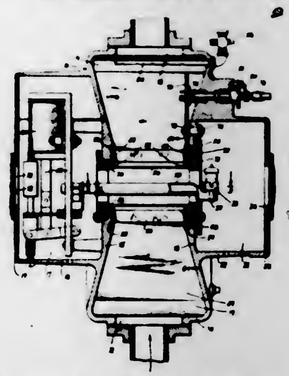
In a turpentine-face scribe, of the character described, comprising a frame, having obliquely disposed end portions; a flattened portion on each end portion and a series of equally disposed indentures formed on the edges of said flattened portions; sockets carried by said frame; means on said sockets for engaging and disengaging the indentures on said frame; guides mounted on said sockets; cutting blades secured to said guides, and handles secured to said sockets.

2,000,376
HEATING APPARATUS
Eugene L. Cargill and John A. Bastien, Dallas, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 10, 1933, Serial No. 670,230
4 Claims. (Cl. 122—338)



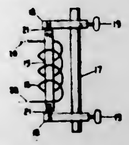
1. In a furnace, a vertical combustion chamber, a plurality of burners positioned at the bottom of said combustion chamber for producing hot products of combustion and directing them upwardly through the combustion chamber, a plurality of vertical heat absorbing tubes extending from top to bottom of said combustion chamber and adapted to be heated throughout their length preponderantly by radiant heat from said combustion products, means in the lower portion of said combustion chamber surrounded by the lower portion of said vertical tubes directly exposed to the hot products of combustion from each burner to absorb heat therefrom and radiate absorbed heat to said lower portion of the vertical tubes to increase the total heat input thereto, said means being free from direct association with fluid containing sources which would normally absorb heat therefrom and decrease the temperature thereof and extending within the combustion chamber for less than about half of the height thereof to thereby permit the combustion gases from each burner after being exposed thereto to be substantially completely combined thereabove to pass through the remainder of the combustion chamber in an unobstructed path to thereby heat the remaining portion of the vertical tubes preponderantly by radiant heat.

2,000,377
ACTIVE RAY TREATING DEVICE
Harry M. Creighton, East Norwalk, Conn., assignor, by mesne assignments, to The R. U. V. Engineering Corporation, South Norwalk, Conn., a corporation of Delaware
Application February 1, 1929, Serial No. 336,807
Renewed October 9, 1934
13 Claims. (Cl. 99—2)



1. In a device of the character described, in combination, a transparent enclosure for a source of active rays, baffles to direct substance proximate the enclosure, movable baffles in register therewith and means to clean the surface of said enclosure carried with said movable baffles.

2,000,378
ADJUSTING EFFECTIVE INCREMENTAL PERMEABILITY OF MAGNETIC CIRCUITS
Noel Deisch, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y.
Application July 15, 1929, Serial No. 378,515
4 Claims. (Cl. 171—242)



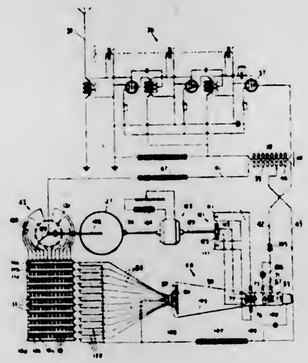
1. In electromagnetic apparatus to function with composite current including constant and alternating components; a ferromagnetic core, an exciting winding, and means including a permanent magnet to superpose a permanent magnetomotive bias on said core of opposite polarity to the magnetomotive force generated by the constant component of said composite current, whereby the undesired flux caused by said constant component is at least partially canceled.

2,000,379
METHOD OF AND APPARATUS FOR THE FORMATION OF IMAGES
Noel Deisch, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y.
Application July 22, 1930, Serial No. 469,855
19 Claims. (Cl. 178—6)



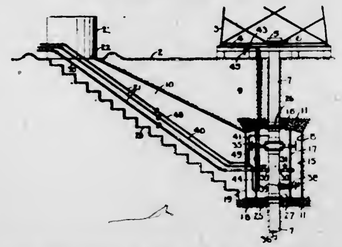
6. In apparatus for converting an electric analogue of an image into a real image, an electro-optic cell comprising a composite electrode including a plurality of spaced elements, a second and reflecting electrode adapted to co-act with said first electrode and to reflect light back through the interspaces of said first electrode, a birefringent member between said electrodes for rotating the plane of polarized light, and means to pass a beam of polarized light through the interspaces of said first electrode at an angle to the plane of said first electrode, said angle being substantially equal to the complement of half the included angle defined by said interspaces of said first electrode as measured from a point located on said reflecting electrode midway between said interspaces, whereby light entering through each interspace is reflected back through an adjacent interspace.

2,000,380
APPARATUS FOR THE FORMATION OF IMAGES
Noel Deisch, Washington, D. C., assignor of one-half to Thos. E. Stone, Jr., New York, N. Y.
Application September 24, 1930, Serial No. 484,149
Renewed October 1, 1934
10 Claims. (Cl. 178—6)



8. An apparatus for converting the electric current analogue of an image into a real image, including a translating device involving a light valve having a plurality of electrodes at right angles to one another, a birefringent member between said electrodes, means including a cathode ray commutator to repeatedly charge said Kerr cell to degrees corresponding to succeeding portions of said analogue, and means including an impedance to drain away each of said charges before the succeeding charge is brought to act.

2,000,381
MEANS FOR EXTINGUISHING OIL WELL FIRES
Peter J. Duffy, Houston, Tex.
Application July 28, 1931, Serial No. 553,559
16 Claims. (Cl. 169—4)



1. In combination with a well, a cage disposed below the earth's surface and about the casing of the well, a pipe line leading to said cage and connected to the casing to inject fire extinguishing material into the casing below the point of ignition of the oil, and an additional connection on said pipe line leading from said cage to the surface constructed and arranged to direct fire extinguishing material from said line directly into the casing head.

10. In combination with a well casing, a subterranean cage, means in said cage to control the flow of fluid through the casing, means to withdraw fluid from the casing, means to pierce a pipe within said casing and to then feed fire-extinguishing material into the casing through said piercing means.

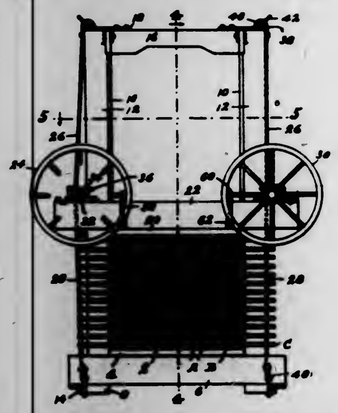
12. In a well casing protective device to extinguish fires, a blowout preventer on the casing to close about a pipe therein, a flow line leading from the casing below said closure, and a pipe line connected to the casing above said closure to inject fire extinguishing material into the casing above the closure.

16. An apparatus for use in extinguishing well fires including a cage disposed about the well casing and insulated from the well head, and means in said cage to feed fire extinguishing material into the well casing, said means including a connection to the casing in the cage, and means adjustable from within the cage, adapted to be positioned to discharge into the top of the casing.

2,000,382
TOBACCO PRESS
Job McGee Evans and Orville R. Yerington, North Kansas City, Mo.
Application December 18, 1933, Serial No. 702,974
3 Claims. (Cl. 100—12)

1. A baling press of the character described comprising a platform at the lower end of the baling chamber of the press, two pairs of standards adjacent to the ends of said platform and forming the corners of the baling chamber, a wall secured to each pair of standards for closing the ends of the baling chamber, a horizontal beam connecting the upper portions of the closed ends of the baling chamber, a plunger recipro-

cably mounted in the baling chamber and including a pair of horizontal beams slidably en-

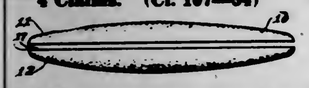


gaging the standards, and manually actuated means for operating said plunger.

2,000,283
COMPOSITE ARTICLE AND PROCESS OF MAKING THE SAME
Harvey R. Fife, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application March 25, 1931, Serial No. 525,244
2 Claims. (Cl. 154—2)

1. A process for making composite articles from a plurality of laminae of wood having a greater moisture content than seasoned wood, which comprises applying a vinyl resin to adjacent faces of said laminae, assembling the laminae, subjecting the assembly to sufficient heat and pressure to cause the vinyl resin to flow and cooling the assembly under pressure.

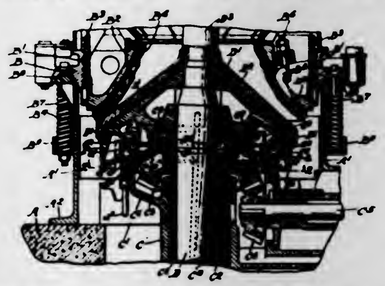
2,000,284
METHOD OF BAKING BREAD
Charles C. Francis, Pittsburgh, Pa.
Application August 13, 1934, Serial No. 739,676
4 Claims. (Cl. 107—54)



4. A method of preparing a bread loaf which consists of cutting a mass of dough into two portions, pressing the freshly cut surfaces together, twisting the two portions and baking the twisted mass.

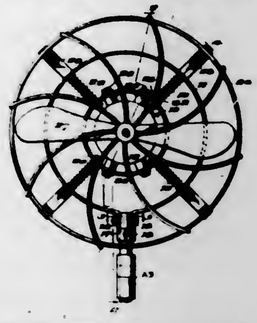
2,000,285
BEARING PROTECTION DEVICE
Oscar C. Gruender, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 27, 1932, Serial No. 613,872
2 Claims. (Cl. 83—10)

1. In a gyratory crusher including a supporting frame having a bearing surface, a head supported on said bearing for gyratory movement, means for gyrating the head, and a bowl opposed to said head; means for preventing the penetration of foreign material into said bearing including a depending apron carried by the head surrounding the bearing and terminating below the plane thereof in all positions of the head, an upwardly extending apron carried by the frame surrounding the bearing and terminating above the lower end of the head-carried apron in all positions of the head, said aprons being spaced from each other in all positions of the head, a circumferential air chamber carried by the frame sur-



rounding the frame-carried apron and having an upwardly directed annular air discharge orifice providing an upwardly directed circumferential curtain of air, and a downwardly and inwardly inclined annular apron carried by the head overlying said air discharge orifice in all positions of the head for directing the circumferential curtain of air under pressure in a direction upwardly and outwardly away from said bearing.

2,000,286
ELECTRIC FAN
Charles F. Haynes, Weatherford, Tex., assignor of one-half to E. M. Schenecker, Fort Worth, Tex.
Application July 28, 1934, Serial No. 737,450
10 Claims. (Cl. 230—273)

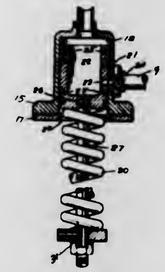


1. In a motor driven fan, a motor casing, and supporting means for said casing comprising concentrically arranged inner and outer ring members encircling said casing, said inner ring being spaced from said casing and resilient connections between said inner ring and both the outer ring and motor casing.

2,000,287
PRESSURE CONTROLLED THROTTLE VALVE
William A. Henry, Littleton, Colo.
Application June 25, 1934, Serial No. 732,269
7 Claims. (Cl. 236—26)

1. A pressure controlled throttle valve, comprising, in combination, a body member having

a cylindrical opening, one end of the opening being closed, a piston mounted for reciprocation in the opening and resilient means comprising a spring for urging the piston towards the closed end of the cylindrical opening, the space between the piston and the closed end of the cylindrical opening forming a pressure chamber, the piston



having an opening extending thereinto from the pressure chamber, and an opening extending through the wall of the piston and forming a port, the wall of the body member having a discharge port so located that it will be brought into register with the port in the piston at one position of its travel.

2,000,388
MANUFACTURE OF RIBBONS
Richard Hofstadt, Wolfen, near Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application February 27, 1932, Serial No. 595,639
In Germany March 4, 1931
7 Claims. (Cl. 18—15)

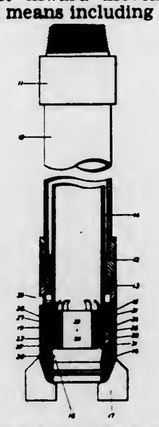


1. A nozzle for the manufacture of ribbons provided with patterns which has an opening forming a main slot of 13 mm. length and 0.1 mm. breath from which 6 lateral slots of 2 mm. length and 0.1 mm. breadth branch off at an angle of 60°, 3 of the lateral slots being arranged on each side at equal distances in such manner that the slots positioned at the end of the main slot are inclined towards each other.

7. A ribbon consisting of cellulose hydrate provided with patterns having a stripe-like appearance, said patterns constituting a superimposed portion of the material of the ribbon integral therewith.

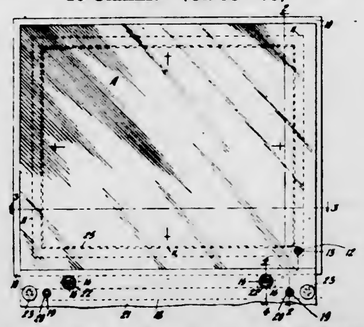
2,000,389
CORE CATCHER
John H. Howard, Huntington Park, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application May 19, 1933, Serial No. 671,889
3 Claims. (Cl. 255—72)

1. A core catcher for use in a core drill including, a body adapted to be arranged in the drill, a plurality of core engaging members carried by the body operable inwardly into engagement with the core, and means for holding the members against inward movement releasable by the core, said means including an element en-



gaging said members and releasably rigidly connected with the body.

2,000,390
PHOTOGRAPHIC VACUUM SQUEEGEE AND NEGATIVE HOLDER
William C. Huebner, New York, N. Y.
Application December 23, 1933, Serial No. 703,741
10 Claims. (Cl. 95—76)



1. A vacuum device of the character described comprising: a relatively heavy and semi-flexible film of sufficient rigidity, per se, to maintain a planar condition; an air sealing gasket permanently affixed to one face thereof and extending therearound, the gasket and film thereby constituting a unitary member; and means for placing the space within the sealing gasket on the same side of the film in connection with a source of suction.

2,000,391
MANUFACTURE OF BARREL STAVES
Edward W. Hutchings, Perry, Fla.
Original application September 25, 1933, Serial No. 690,886. Divided and this application January 22, 1934, Serial No. 707,828
3 Claims. (Cl. 144—309)

1. The method of producing a barrel stave which consists of forming a laminated block of strips having their side faces secured in flat contacting engagement with each other, shaping the block from the edge faces of the strips to form a stave having a convexed outer face curved longitudinally for the full length of the block and

a concaved inner face curved longitudinally with its ends terminating in spaced relation to the ends of the block to provide end portions of the stave with flat inner faces, shaping the side faces of the block to form straight longitudinally extend-



ing ribs and grooves having their ends intersecting the ends of the convexed outer face and their intermediate portions intercepted by the concaved inner face, and cutting the flat inner face of the end portions of the block to form transversely extending croses.

2,000,392
ROOFING AND LIKE TILES
John Henry Hutchinson, Portslade-by-Sea, England, assignor to Pipes, Limited, London, England, a corporation of Great Britain
Application January 29, 1934, Serial No. 708,862
In Great Britain September 27, 1932
2 Claims. (Cl. 106—10)

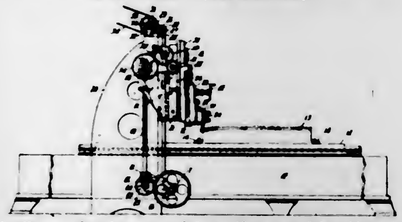


1. Roofing tile of the double-lap type constructed with a hanging projection on its under surface, distinguished by the formation in the upper surface of the tile of a drainage depression comprising a transverse groove at the top of the tile and a plurality of relatively wide parallel longitudinal grooves of gradually diminishing depth extending from said transverse groove down the tile between plain side marginal portions and situated so as to leave a central surface part between such grooves, the length of these longitudinal grooves being such that they terminate short of the point where the covering tile would end and the said grooves being of such width that a substantially wide ungrooved portion is provided by said central surface part in the center of the tile, with large drainage areas on each side thereof, and an upward drift guard comprising an obstructing wall immediately above said transverse groove.

2,000,393
METHOD OF DYEING NITROCELLULOSE LACQUERS
Wolfgang Jacek, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 12, 1932, Serial No. 610,921. In Switzerland May 28, 1931
3 Claims. (Cl. 134—79)

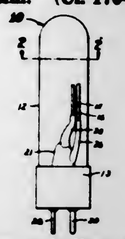
1. The method of dyeing a nitrocellulose lacquer which consists in admixing a dyestuff suitable for dyeing such lacquer with a color adjusting agent consisting of an aryl-sulfamide, and then dissolving the resultant admixture by means of heat in the nitrocellulose lacquer.

2,000,394
PLANING MACHINE
Frank H. Jennings, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application May 5, 1933, Serial No. 669,468
5 Claims. (Cl. 90—31)



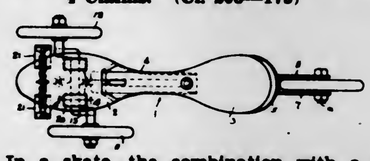
1. In a planing machine, the combination of a reciprocable table for the work, a cutting tool for operating upon the work, a movable support for said tool, a reversible rotatable shaft driven in timed relation to the operation of the table, respective cam means controlled by said shaft for concurrently effecting non-uniform vertical and lateral movements of the tool support during a cutting operation, and means for indexing the tool support laterally between successive cutting operations whereby each cutting operation is begun at a position laterally of the preceding cut.

2,000,395
GLOWLAMP
Harry C. Jones, Los Angeles, Calif., assignor to Ned Herbert Mann, Hollywood, Calif.
Application December 22, 1931, Serial No. 582,524
1 Claim. (Cl. 176—122)



In a glow lamp a hollow closed transparent member, a cathode in said member, said cathode comprising a flat strip of material bent to U-shape to provide two spaced leg portions, and an anode, said anode comprising a straight elongated member cylindrical in cross-section and arranged parallel to and equidistant from the leg portions of the cathode member.

2,000,396
SKATE
John M. Keller, Cleveland, Ohio
Application March 25, 1932, Serial No. 601,206
4 Claims. (Cl. 280—173)



1. In a skate, the combination with a foot platform, of supporting means therefor, including a ground-wheel in substantial alignment with

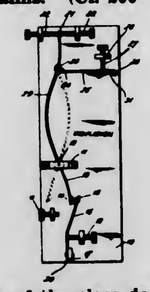
the longitudinal median line thereof and a spindle therefor to the rear of said platform in fixed relation therewith, a pair of ground-wheels supporting the front or toe portion of said platform, one on either side thereof, and one wheel of said pair being mounted rearwardly of the other, and spindles for said pair of wheels which spindles are positioned above the plane of said platform.

2,000,397
QUILT AND RUG FRAME
Alfred W. Knutson, Geneseo, Ill.
Application May 21, 1934, Serial No. 726,836
1 Claim. (Cl. 45—24)



A device of the character set forth comprising trestles each including a bar having beveled ends and an upper supporting edge, pairs of pole mountings engageable with the supporting edges and the beveled ends of the bars, detachable securing means for securing the mountings to the bars and for permitting said mountings to be adjusted endwise of the bars, fabric supporting poles journaled in said mountings, and locking means for one mounting of each pair of mountings whereby the poles may be secured against rotation and freed to rotate in either direction.

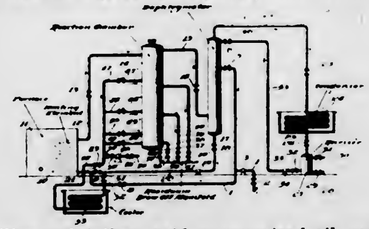
2,000,398
THERMOSTATIC SWITCH
Clarence R. Laubenfels, Burlington, Iowa
Application July 5, 1932, Serial No. 620,849
9 Claims. (Cl. 200—138)



1. In a device of the class described, a base, a thermostatic strip supported thereon, yieldable means for applying longitudinal pressure to said strip to normally retain the strip in either of two oppositely arched conditions and to permit the ends of the strip to separate as it moves from one of its arched conditions to the other due to temperature changes, and adjustable means for imparting a transverse bending strain to a portion of said strip to change the tendency of said strip to assume one of said curved conditions.

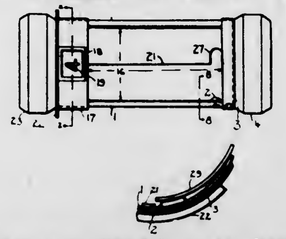
2,000,399
HYDROCARBON OIL CONVERSION
Clarence W. Luton and John Beddow, Toledo Ohio, assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application August 7, 1930, Serial No. 473,547
2 Claims. (Cl. 196—48)

1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, discharging the heated oil into a vapor separating zone above the liquid level therein and separating the same therein into vapors and unvaporized oil, maintaining the latter zone under cracking conditions of temperature and pressure, introducing into said separating zone adjacent the contact surface between vapors and unvaporized oil therein a relatively cool oil of lower



boiling point than said unvaporized oil, said relatively cool oil being introduced at a temperature and in amount such as will substantially reduce coke and sludge formation in the unvaporized oil, and during the operation of the process varying the point of introduction of said relatively cool oil to the separating zone in accordance with variations in the liquid level of unvaporized oil therein.

2,000,400
PNEUMATIC DISPATCH CARRIER
James G. Maclaren, San Francisco, Calif.
Application November 11, 1931, Serial No. 574,299
10 Claims. (Cl. 243—34)

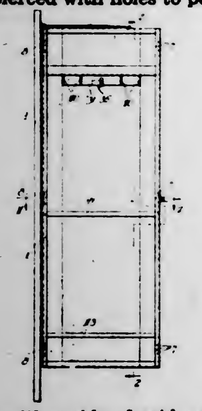


1. A pneumatic dispatch carrier having telescoping shells free to rotate one within the other, a stop member on one shell and engaging with the other to prevent relative endwise movement of the shells and limit the relative rotation of the shells, one of the shells being of changeable diameter to permit disengagement from the stop and separation of the shells.

2,000,401
CABINET
Frank J. Matchette, New York, N. Y., assignor to The Servidor Company, New York, N. Y., a corporation of Delaware
Application August 12, 1932, Serial No. 628,514
3 Claims. (Cl. 312—152)

1. A cabinet adapted to be attached to one side of a bedroom or closet door having stiles and top and bottom rails connecting said stiles, comprising, a pair of angle members adapted to engage the stiles of the door, integral side pieces extending from said angles at an acute angle thereto, a front panel formed integrally with said side pieces and disposed substantially parallel to the stile engaging faces of said angles, bottom plates fixed to said angles, side pieces and panel and having flanges adapted to register with the top and bot-

tom rails of the door respectively, the stile engaging legs of said angles being pierced with a plurality of holes to permit mounting hinges on either side of the cabinet, the other legs of said angles being pierced with holes to permit mount-



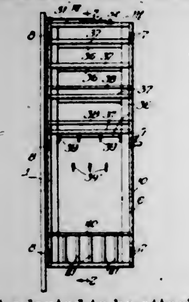
ing a latch on either side of said cabinet, an extensible hanger fixed in said cabinet near the top thereof, a bar pivotally connected to one of said angles, and means on the other one of said angles for engaging the free end of said bar to hold the bar across the open face of said cabinet.

2,000,402
CABINET

Frank J. Matchette, New York, N. Y., assignor to The Servidor Company, New York, N. Y., a corporation of Delaware

Application August 12, 1932, Serial No. 628,515

3 Claims. (Cl. 312—152)



1. A cabinet adapted to be attached to one side of a bathroom door, comprising a pair of angle members adapted to engage the stiles of the door, integral side pieces extending from said angles at an acute angle to the door, a front panel formed integrally with said side pieces and disposed parallel to the door, top and bottom plates fixed to said angles, side pieces, and panel, and having flanges adapted to engage the top and bottom rails of the door, respectively, a plurality of Z-shaped shelves fixed in said cabinet near the top thereof, each shelf having one leg extending downwardly against said panel and having another leg extending upwardly from the shelf and against said angles, a plurality of hooks fixed to the downwardly extending leg of the lower one of said shelves, a horizontal bar fixed to said angles near said bottom plate, and a plurality of vertical bars fixed to said horizontal bar and to the flange of said bottom plate to form a hamper at the bottom of said cabinet.

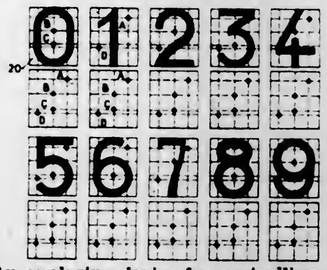
2,000,403
METHOD OF AND MEANS FOR ANALYZING RECORD CARDS

Michael Maul, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 1, 1927, Serial No. 202,805

In Germany April 7, 1927

7 Claims. (Cl. 235—92)



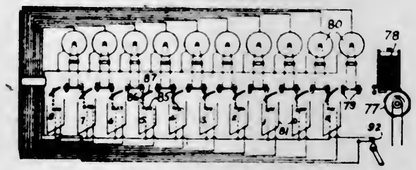
1. An analyzing device for controlling statistical mechanism from records bearing character designations, said device comprising a single light sensitive element, means including a source of light for examining a character designating field on the records and cooperating with the records to subject the single light sensitive element to different amounts of light according to designations of different characters on the record field, and selective means controlled by the light sensitive element according to the different amounts of light to which it is subjected.

2,000,404
SORTING MACHINE

Michael Maul, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application July 1, 1927, Serial No. 202,805. Divided and this application January 16, 1932, Serial No. 587,046

2 Claims. (Cl. 209—111)



1. In a record sorting machine, a plurality of control devices, said devices including light sensitive elements, the different elements being operable in response to different amounts of light and record sorting means controlled by said devices.

2,000,405
THREAD GUIDE

Michael J. McHale, Scranton, Pa.

Application July 20, 1934, Serial No. 736,247

9 Claims. (Cl. 242—157)



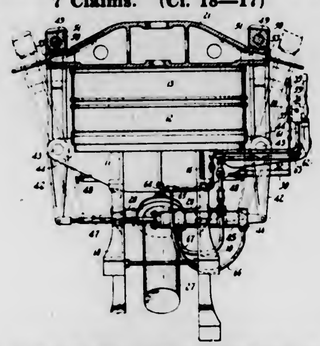
1. In a thread guiding device for winding machines, the combination of a guide support having an opening formed therein, a guide eye attached to the support comprising a body portion having a thread receiving opening, a recess longitudinal of the body forming a seat for one end of the guide support, a second recess extending through the body of the guide and means to lock the guide to the support, comprising a looped member, one end of which is threaded through the opening formed in the support, the other end being seated in said second recess formed in the body portion of the guide.

2,000,406
VULCANIZER

Albert S. Michelson, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio

Application August 2, 1933, Serial No. 683,241

7 Claims. (Cl. 18—17)



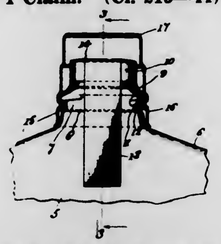
6. In a vulcanizer, the combination of a pair of relatively movable vulcanizer sections, means for relatively moving said sections to open and close the vulcanizer, and means for locking the vulcanizer in closed position, said means comprising a locking arm pivotally mounted on one of the sections, a pivot pin carried by the free end of said arm, a wedge-block of polygonal cross section eccentrically journaled on said pivot pin, said block being adapted to engage an inclined surface on the other vulcanizer section alternatively with its several faces, and means for limiting the angular movement of the wedge-block on its pivot pin during the locking of the vulcanizer.

2,000,407
BOTTLE AND CLOSURE THEREFOR

Samuel C. Miller, Louisville, Ky., assignor to Frankfort Distilleries Incorporated, Louisville, Ky., a corporation of West Virginia

Application June 29, 1933, Serial No. 678,289

1 Claim. (Cl. 215—44)



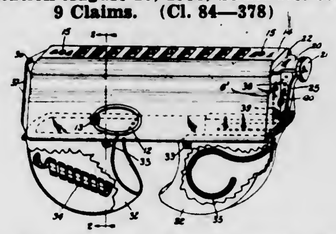
A bottle having a neck, a closure for the neck, spaced locking ribs on said neck, a revenue stamp over the top of said closure and extending down between the locking ribs, an envelope covering the neck and extending below said locking ribs adapted to crimp the revenue stamp against the neck and to provide a bearing surface on the undersides of said ribs, a dose cup provided with lugs corresponding to and adapted to cooperate with said locking ribs through the bearing surface of the envelope, and a shoulder on the bottle at the base of the neck comprising the breast of the bottle and adapted to engage the rim of the cup.

2,000,408
CHROMATIC HARMONICA WITH TONE CONTROLS

Borrah Minevitch, New York, N. Y.

Application August 10, 1933, Serial No. 684,571

9 Claims. (Cl. 84—378)



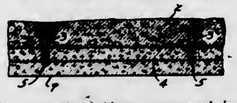
1. In a harmonica, a body formed with air passages, reeds mounted in operative relation to said passages, casing plates carried by said body at opposite sides thereof and having their rear edges spaced from the body, cups at the rear of said body engaged with rear edge portions of said plates and slidable longitudinally of the body, said cups being open along their inner sides and having open ends facing each other, and means in said cups for imparting tremor to notes as air passes through the cups during playing of the harmonica.

2,000,409
WALL CONSTRUCTION

Andrea Minutoli, San Francisco, Calif.

Application May 16, 1933, Serial No. 671,320

2 Claims. (Cl. 72—17)



1. A wall construction comprising an inner backing layer, a plurality of anchor means embedded in the backing layer and each extending outwardly therefrom to provide an eye, lock rods extending through a series of eyes, a reenforcing fabric between the lock rods and the face of the backing layer, and a monolithic mass embedding the lock rods and fabric and contiguous to the backing layer.

2,000,410
TREATMENT OF HYDROCARBON OILS

Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

No Drawing. Application December 28, 1931, Serial No. 583,602

12 Claims. (Cl. 44—9)

1. In a process for the improvement of the antiknock properties of the distillate resulting from the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons, the improve-

ment which comprises introducing into the cracked vapors a phenol and ammonia and reacting the same in the presence of the vapors at a temperature sufficient to cause the formation of an amine of such characteristics that it is recovered in the overhead distillate product of the process.

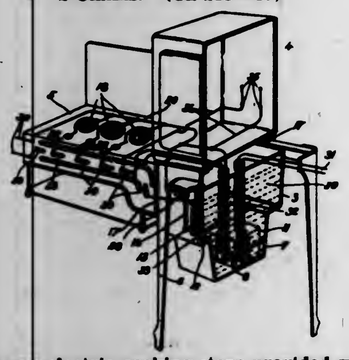
2,000,411
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Application December 30, 1931, Serial No. 583,916
4 Claims. (Cl. 44—9)

1. The method of improving the overhead product of a distillatory gasoline-producing system, which comprises introducing a sulphonating agent to a vapor zone of said system to form a sulphonated hydrocarbon derivative, contacting the vapors containing said derivative with sodamide, and condensing the thus treated vapors.

2,000,412
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Application December 30, 1931, Serial No. 583,917. Renewed October 16, 1933
6 Claims. (Cl. 44—9)

1. In a process for improving the anti-knock characteristics of the overhead distillate product resulting from the conversion of higher boiling into lower boiling hydrocarbons by the cracking process, the improvement which comprises introducing a halogen in the presence of a catalyst in the vapor zones of the said cracking process and subjecting the mixture containing hydrocarbons and the resulting halogen derivatives of hydrocarbons to treatment with sodamide, and condensing the thus treated vapors.

2,000,413
ELECTRIC COOKING STOVE AND THE LIKE
Walter Harold Myers, Wellsteincraft, New South Wales, Australia
Application February 19, 1931, Serial No. 517,055
In Australia June 2, 1930
2 Claims. (Cl. 219—47)

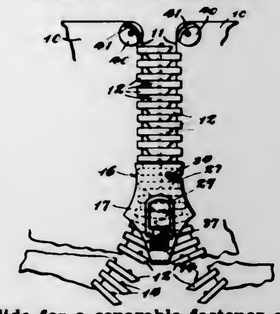


1. In an electric cooking stove provided with a heating device and having a supply circuit therefor, a transformer in the circuit, a water chamber forming part of the stove, and the transformer being located in the chamber below the normal water level for utilising the heat of the transformer for heating the water a separate heating unit in said circuit and located in said chamber to heat the water to a higher temperature.

2,000,414
EXPLOSIVE COMPOSITION
Eberhard Neukirch, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 14, 1933, Serial No. 680,505. In Germany August 10, 1932
3 Claims. (Cl. 52—16)

1. An explosive compound comprising mixed crystals consisting of a solid solution of sodium chlorate in sodium nitrate.

2,000,415
SEPARABLE FASTENER
Antonio D. Pannutti, Jr., Falling Waters, W. Va.
Application September 8, 1933, Serial No. 688,653
5 Claims. (Cl. 24—205)



5. A slide for a separable fastener comprising a pair of interleaved body members having parallel abutting side walls, said walls having complementary grooves and ribs for aligning and frictionally holding the body members in interleaved position, and manually operable means for positively locking the interleaved body members.

2,000,416
FELTED ASBESTOS PRODUCT
William D. Pardee, Lawrenceville, N. J., assignor to Thermoid Rubber Company, Trenton, N. J., a corporation of New Jersey
Application January 11, 1933, Serial No. 651,679
8 Claims. (Cl. 154—49)

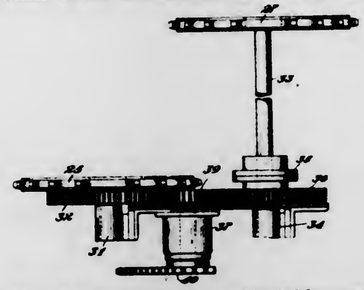
[redacted]

1. As a new article of manufacture, a felted asbestos product consisting of a base fabric and fibres of asbestos coated with a plastic binder and mechanically interlocked with and overlying a face of said fabric.

2,000,417
CONVEYER
Harold R. Perry, Swarthmore, Pa., and Chester S. Jennings, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application June 7, 1933, Serial No. 674,624
5 Claims. (Cl. 198—138)

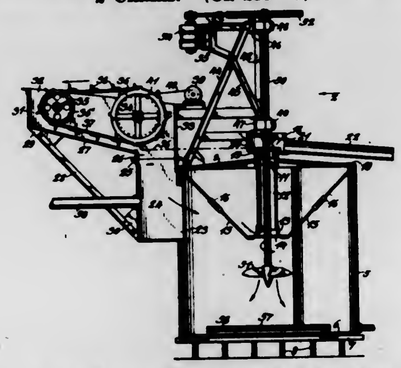
1. A conveyer comprising in combination a pair of parallel traveling chains, a frame, head and foot sprockets over which said chains travel, and means for causing said chains to move in

unison, which means comprise a stub shaft on which the head sprocket of one chain is mounted, a shaft extending transversely across the frame on one end of which the head sprocket of the other chain is mounted, said shaft being of



two sections joined by an adjustable coupling, aligned gears mounted upon said shafts of the same diameter and having the same number of teeth, and an intermediate gear in engagement with both said gears.

2,000,418
ORE CONDITIONING DEVICE
Joseph P. Ruth, Jr., Denver, Colo.
Application February 6, 1933, Serial No. 655,390
2 Claims. (Cl. 259—7)



1. A device for conditioning and agitating deaerated ore pulp in the absence of air comprising, in combination, a closed tank, the top of the tank having a discharge opening, a pipe extending downwardly from the discharge opening to a point above the bottom of the tank, a baffle plate located below the lower end of the pipe and secured to the latter by spacers, the plate having an opening, a shaft extending through the discharge opening, the pipe and the opening in the plate, a propeller agitator secured to the lower end of the shaft, means for rotating the shaft and the agitator, the side of the tank having an inlet opening below the top, and means for introducing deaerated pulp into the tank through the inlet opening.

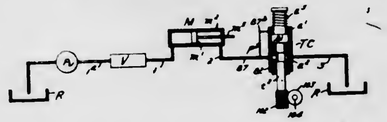
2,000,419
ADVERTISING CONDIMENT SHAKER
Emery N. Sarber, Vancouver, British Columbia, Canada
Application January 18, 1934, Serial No. 707,194
1 Claim. (Cl. 40—19)

In a salt or pepper shaker adapted for displaying advertising copy comprising in combination with such advertising copy, an inner and outer container of transparent material, said inner container having an open top for receiving therein salt or pepper and a concentric flange formed around said open top and extending to and overlying the mouth of the outer container for supporting and securing said inner container within the outer, parallel side walls on said inner container adapted for receiving thereupon said advertising copy, said advertising copy having a



series of perforations therein whereby the contents of said inner container may be observed when said advertising copy is secured around the body of said inner container, a perforated cover fitting said outer container and over the concentric flange of said inner container whereby said cover secures said inner container within the outer one by compression upon said concentric flange when said cover is secured upon said outer container, and means for securing said cover upon said outer container.

2,000,420
HYDRAULIC TRANSMISSION SYSTEM
Lawrence L. Schauer, Augustus M. Sosa, and John H. McKewen, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application April 30, 1931, Serial No. 534,032
12 Claims. (Cl. 60—52)



1. In an hydraulic transmission system of the discharge regulated type for propelling an element against a variable resistance, the combination of an hydraulic motor, a source of pressure fluid supply; a conduit system between said motor and said supply, one of the conduits of said system being the motor intake conduit and another conduit of the system being the motor discharge conduit; a valve in said discharge conduit for controlling the flow therethrough and thereby rate of movement of said motor, means for adjusting the setting of said valve comprising a hand controlled means for setting the valve to cause a predetermined flow therethrough under a given pressure condition, thereby a preselected rate of movement of said motor; and means connected with said valve and responsive to changes in the pressure in the said discharge conduit automatically to change the said setting of the valve inversely proportionately to the said changes in pressure to maintain said preselected rate of movement constant despite the variation in pressure caused by the variations in resistance to motor movement.

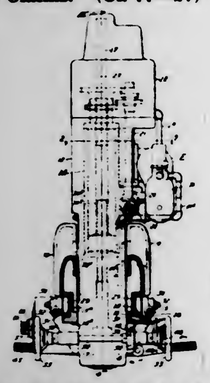
2,000,421

DUPLEX CONTROL FOR RADIAL DRILLS

Lawrence L. Schaner, Augustus M. Sosa, and John H. McKewen, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio

Original application April 30, 1931, Serial No. 534,832. Divided and this application August 5, 1932, Serial No. 627,620

18 Claims. (Cl. 77—27)



1. A radial drill combining an arm member, said arm being divided longitudinally and provided with L-shaped flanges along the lower outer edges thereof; a tool carrier disposed between the sides of said divided arm; means mounting said carrier on said flanges comprising bracket members secured to said carrier at the lower portions thereof and adapted to project outwardly and upwardly therefrom into engagement with the under and side faces of said L-shaped flanges; anti-friction rollers journaled in and adjacent the ends of said bracket members for engagement with the upper surfaces of the flanges; and compensating means including eccentrically formed journal bearings for said rollers and means for actuating each of said journals independently to move said rollers toward or away from said flanges.

17. A radial drill combining an arm member divided longitudinally and provided with opposed L-shaped relatively narrow guideways depending from the lower edges thereof said guideways forming front and rear guides each having relatively narrow upper and lower bearing surfaces; a tool head translatably mounted upon said arm and disposed between the sides thereof; means mounting said head upon said depending guideways comprising bracket members projecting outwardly from each side of said head at the lower portion thereof and under said arm and adapted to engage the lower and upper horizontal bearing surfaces of both of said L-shaped guideways for transmitting thereto the entire vertical thrusts of the tool head, one of said depending L-shaped guideways being also provided with opposed vertically disposed bearing surfaces adapted to receive the entire lateral thrusts of the tool head; means for translating said head along said guideways comprising a pinion journaled in said tool head and a cooperating rack bar embedded in one of the bearing surfaces of said last mentioned L-shaped guideway; and means for actuating said pinion, the parts being so constructed and arranged that the tangential force of said pinion acts within the plane of the bearing surface thereby to minimize the tendency to kant said tool head during translation thereof.

2,000,422

ELECTRIC SWITCH

Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 6, 1932, Serial No. 591,298

15 Claims. (Cl. 200—33)



2. A switch comprising a container movable to and from and partially filled with mercury and formed with a chamber into which mercury is caused to accumulate by movement of the container in either direction and from which the accumulated mercury drains when said container remains stationary for a predetermined time interval and contacts connected by mercury accumulating in said chamber.

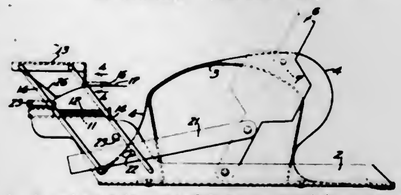
2,000,423

CIGARETTE MAKING APPARATUS

Wendelin D. Starrett, Alameda, Calif., assignor to Charles S. Evans, San Francisco, Calif.

Application February 25, 1933, Serial No. 658,522

14 Claims. (Cl. 131—42)



1. A cigarette machine comprising a web adapted to receive a quantity of tobacco, means engaging said web for rolling the tobacco into a cylindrically-shaped charge, means for holding a supply of cigarette papers, means for removing a paper from the supply and depositing it on the web in the path of movement of the rolling charge of tobacco, and means for retracting the paper depositing means after the paper is caught between the rolling charge and said web.

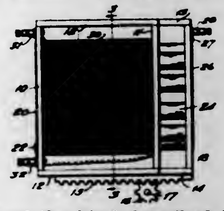
2,000,424

AUDIO AMPLIFYING TRANSFORMER AND STATIC ELIMINATOR

Anton Straka, Chicago, Ill.

Application November 11, 1931, Serial No. 574,399

5 Claims. (Cl. 250—20)



1. A device of the kind described including a plurality of pairs of tubes, one tube of each pair being telescopically mounted within the other tube of said pair but concentrically spaced therefrom, means to move the inner and outer tubes telescopically with reference to each other, means to connect all of the outer tubes in multiple to a circuit terminal, other means to connect all of the inner tubes in multiple to a second circuit terminal, and a secondary winding of fine wire surrounding the outer tubes.

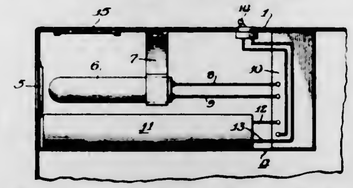
2,000,425

APPARATUS FOR TAKING PHOTOGRAPHS

Joseph B. Strauss, Chicago, Ill.

Application June 18, 1931, Serial No. 545,266

5 Claims. (Cl. 88—23)



1. The combination with a photographic apparatus, of a lens through which light is admitted to the film, an adjustable diaphragm at a point at one side of said lens and separate therefrom adapted to regulate the amount of light entering said apparatus through said diaphragm, and a photo-electric device of a type that produces a luminous discharge when affected by light actuted by the light passing through said diaphragm, adapted to indicate when a given degree of light from said diaphragm impinges upon it.

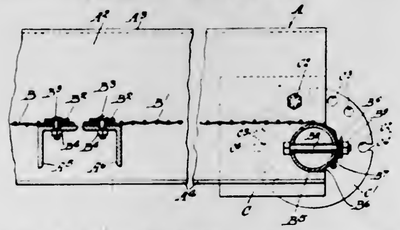
2,000,426

WIRE CLOTH TIGHTENER

Loren G. Symons, Hollywood, Calif., assignor to Symons Brothers Development Company, Hollywood, Calif., a corporation of Delaware

Application June 11, 1931, Serial No. 543,572

3 Claims. (Cl. 209—403)



1. In a screen, a screen frame, longitudinal members therefor, transverse members connecting the longitudinal members intermediate their ends, a plurality of screen members, each removably secured to a transverse member intermediate the ends of the frame, a rotary member mounted upon each end of the screen frame, to which one of said screen members is secured, and means for rotating said rotary member and for thereby maintaining said screen member under tension, said means including helical springs generally concentric with the axis of rotation of said rotary member, one end of each such spring being secured in relation to the screen frame, the other being secured in relation to the rotary member.

2,000,427

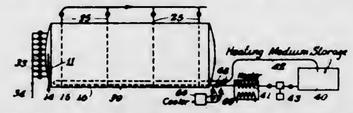
HIGH MELTING POINT WAX AND PRODUCTION OF SAME

Claude F. Tears, Mountain Lakes, N. J., assignor to The Petroleum Processes Corporation, Wichita, Kans., a corporation of Kansas

Application November 16, 1933, Serial No. 698,283

5 Claims. (Cl. 196—20)

2. The herein disclosed process of producing a high melting point wax which comprises dissolving petrolatum stock in a normally gaseous liquefied hydrocarbon solvent, chilling and cold settling under pressure in a closed vessel to precipitate the wax content, withdrawing the oily content from the wax layer in the bottom of the vessel, heating the wax-solvent layer in the closed vessel to melt the wax and generate sufficient pressure by vaporization of the solvent to force



the melted wax and the remaining solvent from the vessel, distilling said wax-solvent mixture under pressure and regulating the pressure generated in the closed vessel to overcome the pressure of distillation to cause discharge of the wax-solvent layer from the closed vessel to said distillation unit.

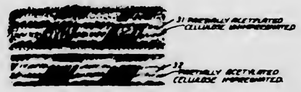
2,000,428

ELECTRICAL CONDUCTOR

Albert C. Walker, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 9, 1932, Serial No. 585,759

7 Claims. (Cl. 173—264)



1. An electrical conductor comprising a conducting core, an insulated coating of partially acetylated cellulose having an acetyl value not greater than 35% surrounding said core and an outer coating of cellulose acetate having an acetyl value not less than 37% in intimate contact with and bonded to said inner coating.

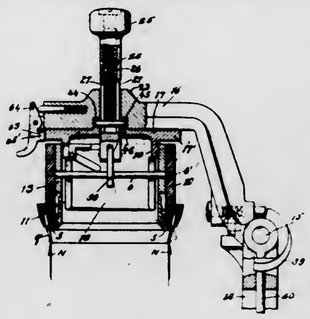
2,000,429

TRANSFER MECHANISM FOR CIRCULAR KNITTING MACHINES

Louis N. D. Williams, Ogontz, Pa., assignor to Scott and Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

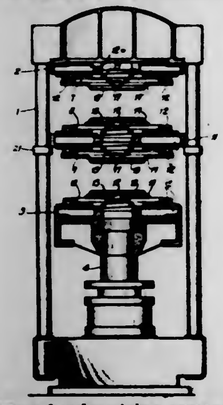
Application July 29, 1929, Serial No. 381,791

12 Claims. (Cl. 66—148)



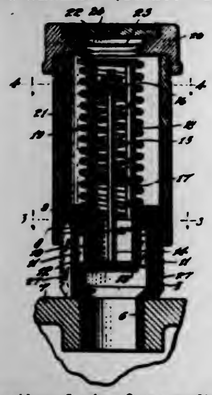
1. Stitch transfer mechanism for a circular knitting machine, comprising a transfer ring adapted to cooperate with the needle cylinder of the knitting machine, a movable arm upon which said ring is rotatably mounted while in retracted position, and releasable means locking said ring against rotation about its own axis during the transfer of the stitches to the needles.

2,000,430
APPARATUS FOR MOLDING AND VULCANIZING PNEUMATIC TIRE COVERS AND THE LIKE
Harry Willshaw, Sutton Coldfield, and Thomas Norcross and Frederick George Broadbent, Erdington, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application October 11, 1934, Serial No. 747,834
In Great Britain September 12, 1933
5 Claims. (Cl. 18—17)



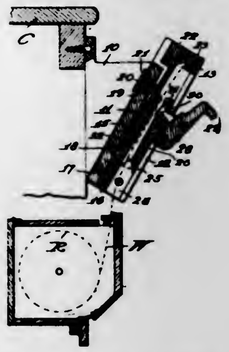
1. Molding and vulcanizing apparatus comprising a pair of steam chests, a pair of mold halves, one for each steam chest, and arranged in complementary positions, clip rings, one for each mold half, and resilient means for mounting said clip rings on said steam chests to separate said clip rings from their respective mold halves when said mold halves and steam chests are in separated positions.

2,000,431
VENTING DEVICE FOR GASOLINE TANKS
Raymond L. Ammack, Cranford, N. J.
Application May 7, 1934, Serial No. 724,371
6 Claims. (Cl. 277—45)



1. In a venting device for gasoline tanks, a tubular member having a reduced portion externally threaded to enable it to be screwed into a tank, the upper edge of the inner wall of said member being bevelled to provide a valve seat, a first valve resting on said seat and having a downwardly extending portion provided with a plurality of spaced ribs, resilient means for maintaining said first valve on its seat, said ribs slidably engaging the inner wall of said member, the lower edge of said downwardly extending portion being bevelled to provide a valve seat, a second valve engaging said last mentioned valve seat, a valve stem connected to said second valve and extending upwardly through the downwardly extending portion, resilient means for maintaining said second valve on its seat, and a casing threadedly engaging the external wall of said member, said casing enclosing the resilient means of said valves, and the external wall of said member having a plurality of vertical recesses communicating with the interior of the casing.

2,000,432
ROLL PAPER CUTTER
William J. Andersen, Los Angeles, Calif., assignor of three-fourths to James W. McClintock, Los Angeles, Calif.
Application December 3, 1934, Serial No. 755,743
8 Claims. (Cl. 242—55.5)



6. In a roll paper cutter, a frame, a transversely disposed rail in the upper portion of said frame, a member mounted in the upper portion of the frame to move toward and away from said rail, a tearing strip carried by said member, a spring for yieldingly resisting the movement of said tearing strip carrying member away from said rail and manually operable means arranged for sliding movement in the frame below said rail for gripping a web of paper and moving same upwardly between said rail and tearing strip.

2,000,433
PUSH-PULL AMPLIFIER CONTROL
William Stoddard Barden, Stapleton, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1932, Serial No. 592,460
12 Claims. (Cl. 179—171)



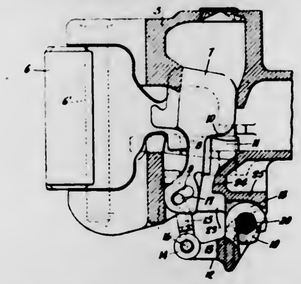
1. In a radio receiver including a detector, a push-pull amplifier having its common input circuit coupled to the detector output, the common output circuit of the push-pull amplifier including coupling means, said push-pull amplifier comprising a pair of tubes, a resistor in said common input circuit having one of its terminals fixedly connected to the grid of one of the push-pull tubes, and a manual volume control means for the receiver comprising means for adjustably connecting the grid of the other push-pull tube to said resistor, and a resistive path, having its midpoint grounded, in shunt with said resistor between said control means and said fixed terminal.

2,000,434
AMPULLA SYRINGE
Charles Baudouin and Karl Pietsch, Herafeld, Germany
Application September 14, 1932, Serial No. 633,136
In Germany September 17, 1931
5 Claims. (Cl. 128—220)



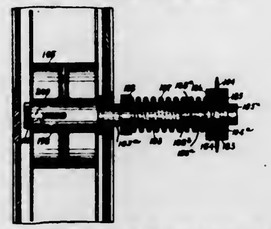
4. In an ampulla-syringe, wherein medicinal liquor is permanently stored, a cylindrical barrel closed at its front end by a wall member and its rear end by a frangible tip portion adapted to be broken before use, a plunger, slidably fitted in said barrel and adapted to enclose medicinal liquor between the front end of the barrel and the front end of the plunger, a tubular hypodermic needle substantially longer than said barrel, secured to said plunger and forming an operating means therefor, said needle being slidably fitted in an opening in the front wall of the barrel, and an aperture in said needle communicating with the space in the front end of the barrel and allowing said liquor to enter the needle, the said needle being adapted as to its length to be grasped by the operator and to serve on injecting the liquid as a retaining member, said barrel being adapted to be rearwardly withdrawn relatively to the plunger and the patient.

2,000,435
COUPLER MECHANISM
Arthur J. Baseley, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1929, Serial No. 395,531
6 Claims. (Cl. 213—166)



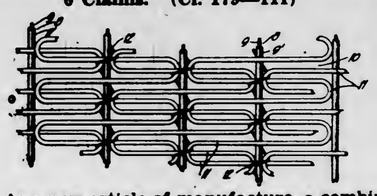
6. In a car coupler comprising a head, a knuckle and a lock for said knuckle, said lock having a leg extending into an opening in the bottom of the coupler head, a pair of projections extending downwardly from said head to the rear of said opening, said projections comprising parallel walls at least portions of which are in the planes of the respective side walls of said opening, and an integral trunnion connecting said projections and adapted to support a lock operating element.

2,000,436
FLEXIBLE DRIVE CONNECTION FOR WEB REELING APPARATUS
Per Johan Berggren, Chicago, Ill.
Original application December 20, 1928, Serial No. 327,200. Divided and this application May 5, 1933, Serial No. 669,520
5 Claims. (Cl. 242—55)



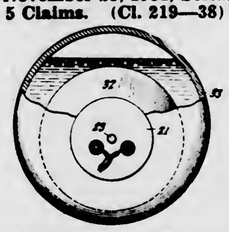
1. In a motion picture apparatus, a film reel, a shaft upon which the reel is mounted, a long bearing member in which the shaft is journaled, a sleeve secured to said shaft and telescoped with said bearing member, a sprocket wheel journaled on said shaft, friction discs engaging both sides of said sprocket, a clamping disc secured to said shaft and engaging one of said friction discs, a second clamping disc having an extended hub on said shaft and engaging the other friction disc, an adjustable nut on said sleeve, and a compression spring lying between said nut and said second clamping disc.

2,000,437
ELECTRICAL CONDENSER
William Colvin, Jr., Troy, N. Y.
Application February 19, 1931, Serial No. 517,006
6 Claims. (Cl. 179—111)



1. As a new article of manufacture, a combined plate element and dielectric for an electrical condenser comprising closely-spaced, separately insulated conductors interwoven with textile threads and forming a fabricated plate element.

2,000,438
ELECTRIC HEATING
James G. Dougherty, New York, N. Y.
Application November 28, 1931, Serial No. 577,779
5 Claims. (Cl. 219—38)



1. An electrical heating unit comprising a hermetically sealed tube, a body of heat conducting liquid substantially filling said tube, an electri-

cal heating element in said tube and electrical terminal means for said heating element sealed through the wall of the tube, said heating element being disposed eccentrically within the tube and adjustable means for securing and supporting said tube substantially horizontally with said eccentrically related heating element in the lower portion of the tube and consequently in the deepest part of the liquid substantially filling the tube.

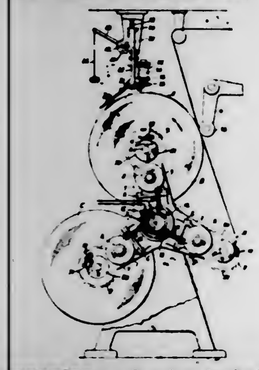
2,000,439

WEB RENEWING MECHANISM

Harland Fankhouser, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application October 15, 1931, Serial No. 569,002

22 Claims. (Cl. 242—58)



2. Web renewing mechanism including in combination a support for an active and a reserve web roll, means for moving the reserve web roll from pasting to running position, means for contacting the running web with the reserve web roll, and means for applying an adhesive coated sheet to one of the moving webs to joint it to the other.

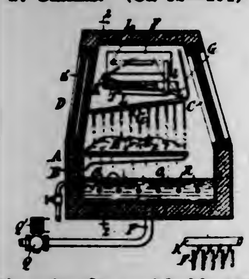
2,000,440

REFRIGERATING APPARATUS

Howard L. Ferman, Kitchawan, N. Y.

Application December 23, 1933, Serial No. 703,714

17 Claims. (Cl. 62—104)



1. A refrigerator for perishable products having refrigerating means for cooling and circulating the air within it, means for admitting liquid, sprinkling means for discharging such liquid in a shower over such products, and means associated with said refrigerating means for cooling such liquid in transit and before it reaches the showering means to a temperature slightly above the freezing point, whereby to avoid freezing such products.

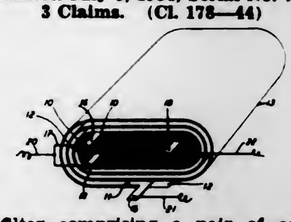
2,000,441

FILTER

Frederick J. Given, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 6, 1934, Serial No. 733,978

3 Claims. (Cl. 178—44)



1. A filter comprising a pair of conducting sheets insulated from each other and wound in parallel to form a capacity element, one of said sheets having an extended portion wound on itself to form an inductance element and having a portion of its turns short-circuited to produce an effective resistance in shunt with the inductive element.

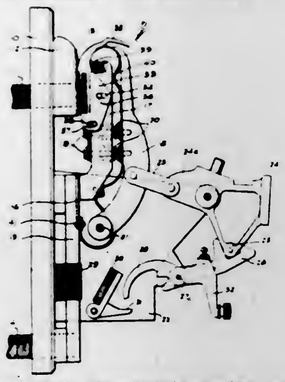
2,000,442

ELECTRIC CIRCUIT INTERRUPTER

George A. Healis, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey

Application May 15, 1934, Serial No. 725,676

17 Claims. (Cl. 200—146)



1. In an electric circuit interrupter, cooperating relatively movable contact structures having opposed substantially plane contact surfaces at an angle to the plane of relative motion, and a plurality of conducting elements disposed individually to engage both of said contact surfaces and to form a bridging connection therebetween in circuit-closing position of said interrupter.

2,000,443

APPARATUS FOR THE TREATMENT OF A GAS BY A LIQUID

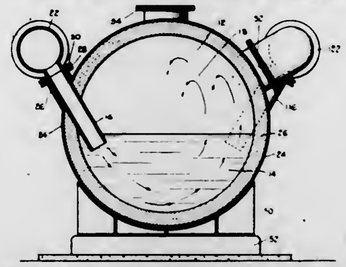
Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware

Application February 3, 1931, Serial No. 513,091

6 Claims. (Cl. 261—121)

1. Apparatus for bringing a gas and a liquid into intimate contact, comprising a vessel partially filled with the liquid and having an arcuate bottom, a gas inlet including a downwardly directed nozzle the lower end of which

is fully open and submerged in the liquid very close to one side of the vessel, and a gas outlet



above the liquid, whereby the gas and with it the liquid are circulated downwardly and then upwardly around the aforesaid arcuate bottom.

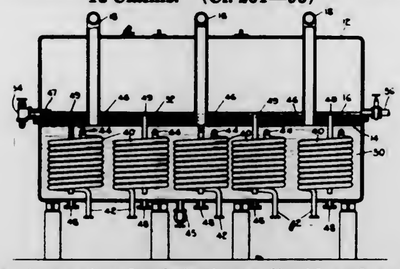
2,000,444

METHOD OF AND APPARATUS FOR BRINGING A LIQUID AND A GAS INTO INTIMATE CONTACT OR MIXTURE

Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware

Application June 24, 1932, Serial No. 619,054

13 Claims. (Cl. 261—96)



1. Apparatus for bringing a liquid and a gas into intimate contact or mixture, as for absorption, scrubbing, or condensation, comprising an enclosed chamber having a perforated diaphragm intermediate the top and bottom of the chamber, a bed thereon of gravel or pebbles of quartz rock or other material not attacked by the gas and liquid, a body of the liquid partially filling the chamber and covering at least a portion of the bed of gravel, a gas inlet arranged to feed the gas into the chamber at a point below the aforesaid diaphragm, and means to adjust the liquid level in the chamber relative to the bed of gravel; the factors of specific gravity of the liquid, specific gravity of the pebbles, the gas velocity, and the liquid level being so interrelated and controlled as to cause a breaking up of the gas into a fine state of subdivision and an agitation or seething of the gravel or pebbles, but without causing turbulence or spray of liquid upwardly into the gas space in the chamber.

2,000,445

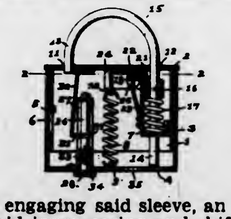
PADLOCK

Yustina Husarik, Russelton, Pa., assignor of one-half to C. A. Filkorn, Springdale, Pa.

Application May 4, 1934, Serial No. 723,839½

4 Claims. (Cl. 70—108)

1. In combination, a padlock comprising, an inner casing, a top plate fixed to the upper end of said inner casing and provided with a pair of spaced apertures, a shackle including a pair of arms normally extending through said apertures into said inner casing, a sleeve fixed on one of said arms, a locking element mounted in said inner



casing and engaging said sleeve, an outer casing inclosing said inner casing and shiftable on the latter to permit access to said locking element, and means for securing said outer casing against movement on said inner casing.

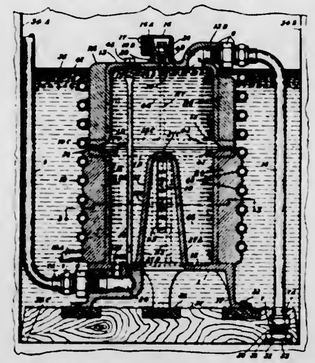
2,000,446

LIQUID CHILLING APPARATUS

Thomas Alfred Jenkins, Roselle, N. J.

Application October 24, 1933, Serial No. 694,954

3 Claims. (Cl. 62—141)



1. In an apparatus of the type described, a liquid chilling tank, composed of a bottom unit, having formed integral thereto, at the base, a hollow protuberant structure, with a plurality of hollow ribs, connecting said hollow protuberant structure, to adjoining wall of chilling tank, to increase heat conducting surface and effect rapid transfer of heat from liquids in chilling tank, to a liquid refrigerant, in contact with exterior surfaces of chilling tank, a top unit, forming a component part of chilling tank.

2,000,447

ELECTRIC SWITCH

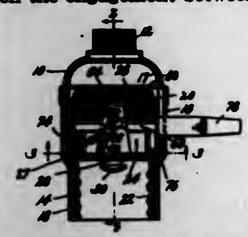
Arthur A. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts

Application December 19, 1929, Serial No. 415,342

2 Claims. (Cl. 173—346)

1. An electric switch comprising a recessed insulating body, a pair of fixed contacts mounted in separated relation in said recess, a rotary spindle having an inclined cam portion adapted to be reversed in inclination by the rotation of said spindle, a U-shaped rocker member loosely mounted on and straddling the cam portion of said rotary spindle, an actuating spring for holding said rocker member in engagement with said rotary spindle, said spring having closed ends, one abutting said rocker member and the other the bottom of said recess and said bottom being in a plane perpendicular to the plane of the con-

tacting surfaces of said fixed contacts to prevent arcing when the engagement between the rocker



member and said contacts is broken by the operation of the rotary spindle.

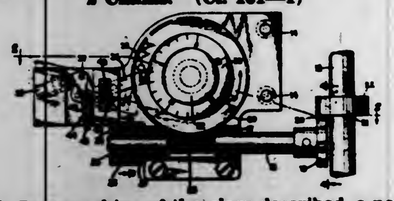
2,000,448

TIMING DEVICE FOR WASHING MACHINES

Gustav E. Keil, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York

Application January 17, 1931, Serial No. 509,395

2 Claims. (Cl. 161—1)



1. In a machine of the class described, a power driven shaft, means for setting the machine into operation, means for controlling said first mentioned means to stop the machine, reduction gearing between said shaft and said controlling means for driving the latter at a reduced speed, means for disconnecting said controlling means from said shaft to permit adjustment of said means to determine the period of operation of the machine, and means manually operable at will for controlling the operation of said first mentioned means independently of said adjustable means.

2,000,449

APPARATUS FOR PRODUCING HOLLOW ALUMINUM BOOT-TREES BY TIP CASTING

Emil Kleinger, Trier-an-the-Mosel, Germany

Application September 15, 1932, Serial No. 633,292

In Germany September 16, 1931

11 Claims. (Cl. 22—75)



1. Apparatus for producing hollow boot-trees, especially of aluminum, by means of tip casting comprising, in combination, a longitudinally divided mold having a ventilation hole at the extreme toe portion of the mold, means whereby the mold may be tilted to a position such that the extreme toe portion is at the highest point of the mold, said mold having a single funnel serving for filling the mold with molten metal and for pouring off the excess molten metal, a removable insert body in said ventilation hole, means in the path of tilting movement of the mold for rotating the insert body, and means for thereupon moving the insert body longitudinally.

2,000,450

PROCESS OF MAKING CEREAL COFFEE

Athniel Kleas, Scobey, Mont.

No Drawing. Application December 19, 1930, Serial No. 503,490

3 Claims. (Cl. 99—11)

1. The process of making a cereal coffee consisting in cleaning separately each of a variety of kernels of grain by removing foul seeds, straw and chaff, then cleaning the kernels to the point of polishing, then steel cutting the kernels to the size and shape desired, then taking 90% of a mixture formed of 33⅓% of the cut kernals of one kind of grain and adding it to 66⅔% of cut kernels of another kind of grain and adding to this mixture 9% of granulated sugar and 1% of salt and then thoroughly mixing in a dry state, after which steam is applied while the mixing process continues and then drying the same after which toasting to the desired color.

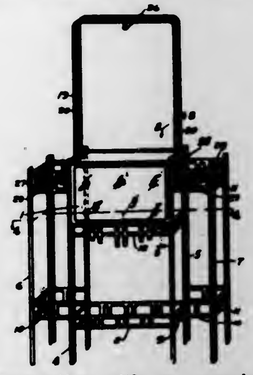
2,000,451

COMBINATION AQUARIUM

Adolf W. Krieger, Brooklyn, N. Y.

Application November 4, 1932, Serial No. 641,208

1 Claim. (Cl. 119—5)



The combination with an aquarium stand of the type having adjoining plant stands; of an adjustable aquarium supporting platform in said aquarium stand and an adjustable inverted U shaped bracket extending upward above said aquarium stand and adjustably mounted thereon in which the bracket may be lowered to form a handle and raised to support a plant, bird cage or the like.

2,000,452

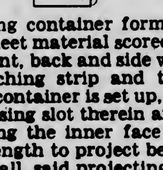
INFLATED ARTICLE AND METHOD OF MAKING THE SAME

Cuyler S. McChesney, Kenmore, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

Original application December 29, 1931, Serial No. 583,640. Divided and this application February 16, 1934, Serial No. 711,453

5 Claims. (Cl. 18—55)

1. A hollow resilient wall article formed of two halves joined on a seam, the edge of said seam being inclined to the plane of juncture of said halves so that the edge of one half overlaps the edge of the other, the angle of the overlapped



part of the seam being more acute than that of the overlapping edge and being depressed inwardly by the latter.

2,000,453

ENAMEL AND PROCESS OF MAKING SAME

John J. Murray, Arlington, and Louis A. White, Medford, Mass.; said White assignor to Rogers Isinglass & Glue Company, Gloucester, Mass.

No Drawing. Application February 21, 1933, Serial No. 657,840

11 Claims. (Cl. 95—7)

1. A composition enamel including to each gallon, about twenty ounces of glue, about two ounces of ammonium hydroxide, about sixty-four ounces of alcohol and about one and a half ounces of chromic acid.

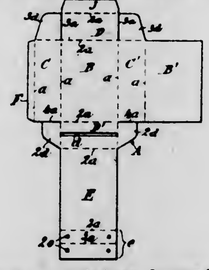
2,000,454

TOILET PAPER CONTAINER AND DISPENSER

William H. Peters, Castleton-on-Hudson, N. Y., assignor to Wheeler Paper Corporation, Albany, N. Y., a corporation of New York

Application March 24, 1934, Serial No. 717,150

4 Claims. (Cl. 206—57)



1. A dispensing container formed from a unitary blank of sheet material scored to define areas constituting front, back and side walls with a supplemental attaching strip and top and bottom walls when the container is set up, the bottom wall having a dispensing slot therein and an extension portion overlying the inner face of an adjacent wall and of a length to project beyond the top of said adjacent wall, said projecting portion of said extension being bent back upon itself and having its free edge extending into the container to provide a supporting tab therefor.

2,000,455

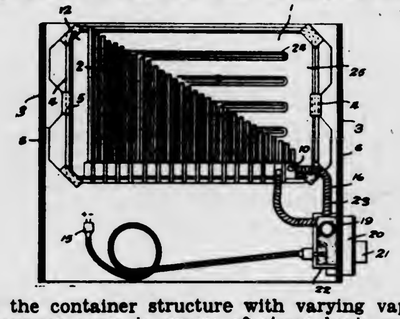
ELECTRICAL HEATING DEVICE

Louis T. M. Ralston and Edward D. Bottaford, New York, N. Y., assignors to Chelva Heat Inc., Newark, N. J., a corporation of Delaware

Application April 27, 1931, Serial No. 533,126

6 Claims. (Cl. 219—38)

1. An electrical heating device comprising a metallic closed container structure, an electrical heating element external to said container but in contacting relationship therewith, diphenyl within said container under partial vacuum, the heat conducted from said element vaporizing said chemical, said vapor heating the body



of the container structure with varying vapor pressures never in excess of atmospheric pressure within a temperature range up to 500 degrees Fahrenheit.

2,000,456

DYEING SWAB

John Schifter, New York, N. Y.

Application June 9, 1932, Serial No. 616,205

9 Claims. (Cl. 132—12)



1. A dyeing device for hair and beards comprising in combination, a pointed handle, a clamp integral with but longitudinally offset from said handle, a detachable clamp parallel with the integral clamp, a swab intermediate said clamps to retain and extrude pigment, and means to lock and release said swab relative to said clamps.

2,000,457

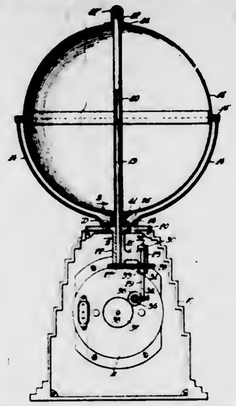
CHRONOLOGICAL INSTRUMENT

Herman E. Schulse, East Orange, N. J., assignor to Uniclox Corporation, a corporation of Delaware

Application July 16, 1929, Serial No. 378,615

Renewed September 7, 1934

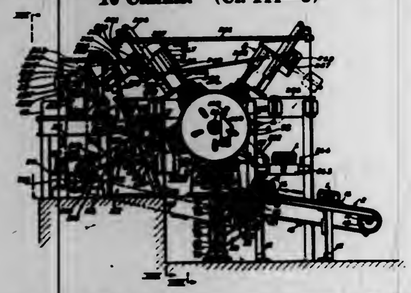
4 Claims. (Cl. 58—44)



2. A chronological instrument including a clock and a terrestrial globe, means for driving

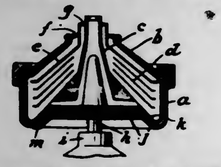
the globe from the clock including a friction clutch, the driving element of said clutch constituting a support for the globe, a hollow shaft rigidly connecting the polar axes of the globe and affixed with respect to the driven element of the friction clutch and a shaft affixed with respect to the driving element of the clutch and over which said hollow shaft is adapted to telescope.

2,000,458
ADZING AND BORING MACHINE
Grant B. Shipley, Pittsburgh, Pa., assignor to The Wood Preserving Corporation, Pittsburgh, Pa., a corporation of Delaware
Application May 17, 1934, Serial No. 726,017
10 Claims. (Cl. 144—3)



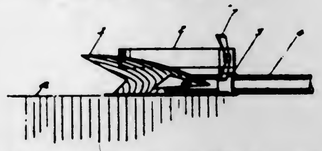
1. A combined adzing and boring machine, comprising a tie carriage rotatable on a horizontal axis and provided with means for gripping ties, elevating means for supplying ties to said gripping means, means for automatically actuating the elevating means in synchronism with the movements of the carriage for supplying ties to the gripping means at regular predetermined intervals, power-actuated adzing and boring tools disposed adjacent the path of movement of said gripped ties and arranged to act successively on each tie, means for successively moving said tools into operating relation with each tie, and means for disengaging the gripping means from each tie after it has been adzed and bored.

2,000,459
SELF-DRAINING CENTRIFUGAL BOWL
George J. Streznaski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1933, Serial No. 663,295
10 Claims. (Cl. 233—46)



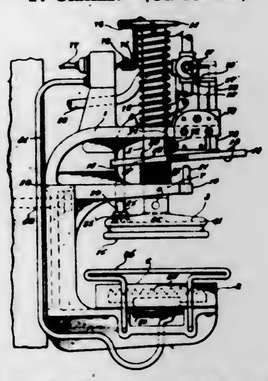
1. The combination, with a centrifugal bowl provided with a regular discharge outlet adapted to function during centrifugation, a bowl driving spindle extending downward from the bowl and a spindle bearing beneath the bowl, of a drain channel rotatable with the bowl extending from the bottom peripheral portion of the bowl to a point nearer its axis of rotation than said outlet and thence extending away from said axis and terminating a substantial distance therefrom.

2,000,460
LAWN EDGER AND WEEDER
Jacob Apfel, George Ling, and Richard S. Jarrett, Hamilton, Ohio
Application May 9, 1933, Serial No. 670,074
1 Claim. (Cl. 97—227)



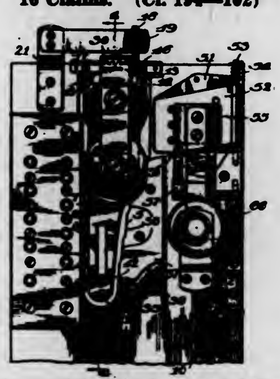
An adjustable guiding runner attachment for a lawn edger, said runner comprising a long flat narrow strip of metal or the like curved at one end to present a leading edge and having means for adjustable attachment to the handle of a lawn edger at the other end, said means including a holder a wing nut and a bolt, whereby the guiding runner is susceptible of vertical horizontal and revolving adjustment relative to the associated lawn edger to regulate the width and depth of groove cut by the said associated lawn edger.

2,000,461
VULCANIZER FOR REPAIR OF INNER TUBES
John J. Batterman, Cleveland, Ohio, assignor to Gabriel Pneumatic Vulcanizer, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application November 11, 1932, Serial No. 642,189
17 Claims. (Cl. 18—18)



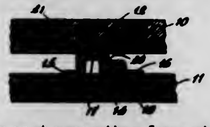
4. In a vulcanizer for the repair of inner tubes and casings of pneumatic tires, the combination with a hot plate of a pressure member, a yielding pad carried thereby a plunger carrying the pressure member and mounted to be freely moved towards and from the hot plate in a direction normal thereto of a one way clamp adapted to lock the plunger against retraction from the work in each and every position which it assumes in advancing, and means for releasing said locking means permitting the plunger and pressure member to be retracted, said locking means consisting of a rigid member arranged transversely to the plunger and provided with means for engaging the opposite lateral sides of the plunger, means for holding one end of said transverse member substantially stationary, said means having a gripping action whereby it locks the plunger as the rigid member is rocked, the releasing means serving to rock the rigid member oppositely to the direction in which it moves in locking.

2,000,462
COIN SELECTOR
George S. Bredd, Chicago, Ill.
Application March 28, 1932, Serial No. 601,478
16 Claims. (Cl. 194—102)



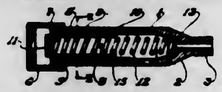
1. A coin receiving device comprising in combination a coin receiver adapted to be moved in two directions from a normal position, separate moving means to move said receiver in said directions, and a selective actuating means for said moving means, said actuating means being selectively sensitive and responsive to coin-like inserts received by said receiver in normal postion of the latter.

2,000,463
SLIDING SEAT MOUNTING FOR VEHICLES
Montague P. Browne, Buffalo, N. Y., assignor to Mechanical Devices Corporation of America, Buffalo, N. Y., a corporation of New York
Application March 3, 1932, Serial No. 596,499
6 Claims. (Cl. 155—14)



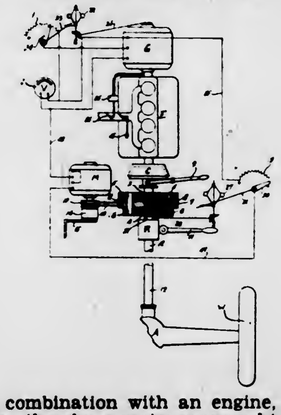
1. A sliding seat mounting for automobiles and the like, comprising a member adapted for attachment to the floor and having a guide-head rising therefrom and a guide-groove arranged parallel thereto and opening laterally toward said head, and a second member adapted for attachment to the seat and having a guideway engaging said guide-head and a laterally projecting guide-tongue engaging said guide-groove.

2,000,464
AIR MIXING DEVICE FOR GASEOUS FUELS
Joseph A. Hempstead, Pittsburgh, Pa.
Application March 1, 1933, Serial No. 659,152
2 Claims. (Cl. 251—144)



1. A device for diluting gaseous fuels as they are drawn into the combustion chambers of internal combustion engines, comprising a valve sleeve open at one end and capped at its other end and adapted to be placed in the fuel intake line between the throttle valve and the combustion chambers with its interior chamber in communication with the fuel intake passage, a hollow plunger operatively disposed within said valve chamber, a spring disposed within said plunger abutting at one end against a shoulder provided in the valve sleeve, said sleeve having a plurality of angularly and axially spaced ports, and said plunger having angularly and axially spaced ports the spacing of which is such that different ports of the sleeve and plunger will be in register singly and in multiples for different axial positions of the plunger, and means for maintaining the ports of the plunger and valve sleeve in cooperative alinement for any movement of said plunger in the valve sleeve.

2,000,465
VEHICLE DRIVE
Frank R. Higley, Cleveland Heights, Ohio
Application January 20, 1933, Serial No. 652,669
17 Claims. (Cl. 172—239)



1. In combination with an engine, a generator driven thereby, a motor arranged to be driven by the generator, means for controlling the drive of said motor from said generator, differential means having an output element and a pair of input elements arranged for differential drive thereof, means for driving one of said input elements from said engine, a driving connection from said motor to the other of said input elements, and means independent of the motor driving connections, for automatically opposing drive of said motor-driven input element by either of the other differential elements.

2,000,466
UPHOLSTERY FINISHING STRIP
Albert L. Howard, Brockton, Mass., assignor to Hamilton-Wade Company, Brockton, Mass., a corporation of Massachusetts
Application May 21, 1930, Serial No. 454,328
3 Claims. (Cl. 155—184)

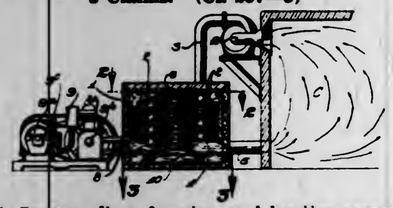
1. Molding strip for upholstery, comprising a non-metallic bottom strip adapted to be nailed in place, a plurality of metallic fastener elements carried by the bottom strip and extending upwardly from its top face, an independent top strip including a core of plastic composition covered with a fabric and having a flat bottom face adapted to fit onto the top face of the bottom strip, the top strip being relatively thick and its top face being convex, and metallic means imbedded into the central portion only of the core of the top strip in a manner completely housed within the top face thereof and cooperating

with the fastener elements to secure the top and bottom strips together, the top strip being open through the fabric covering at its bottom face in



alignment with said metallic means whereby to receive the metallic fastener elements therethrough.

2,000,467
COOLING, FREEZING AND HEATING APPARATUS
Theodore Lindseth, Coronado, Calif.
Application September 9, 1931, Serial No. 561,841
3 Claims. (Cl. 257—8)



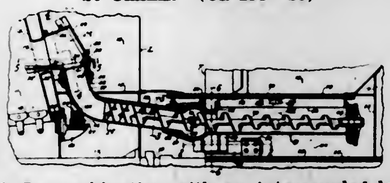
1. In a cooling, freezing and heating apparatus, an air circulating system including a chamber, an air conduit connected therewith, and fan means for maintaining circulation of air through said conduit and chamber, a portion of said conduit arranged in a coil, a tank for receiving said coil, a temperature transmitting medium contained in said tank in direct contact with said coil and immersing the same, freezing coils positioned and arranged both inside and outside of the coil in said conduit and immersed in said temperature transmitting medium, a heating medium positioned in alignment with and below the coil in said conduit immersed in and in direct contact with the temperature transmitting medium in said tank, said freezing coils forming guide means for directing the temperature transmitting mediums as heated around said conduit coil.

2,000,468
LOCOMOTIVE FUEL CONVEYER
Henry E. Lippert, Pittsburgh, Pa.
Application March 26, 1934, Serial No. 717,295
20 Claims. (Cl. 198—15)



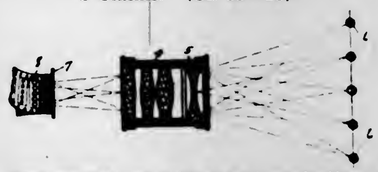
1. In an intercoupled locomotive and tender, a conveyer comprising a conduit section mounted on one of said vehicles and arranged to swing laterally with respect thereto when the vehicles operate around a curve, a conduit section flexibly jointed at one end to the first-named section and supported at its other end on the other vehicle, the second-named section extending from the locomotive to the tender and arranged to swing laterally with respect to both vehicles when the vehicles operate around a curve, one of said conduit sections being arranged to facilitate maximum lateral displacement between the adjacent ends of the vehicles, the other conduit section being arranged to facilitate only a portion of said displacement, and transfer means in the conduit system.

2,000,469
LOCOMOTIVE FUEL CONVEYER
Henry E. Lippert, Pittsburgh, Pa.
Application May 5, 1934, Serial No. 724,140
20 Claims. (Cl. 198—15)



1. In combination with an intercoupled locomotive and tender, a conduit section mounted on one of said vehicles to swing laterally with respect thereto, means tending to prevent such movement of said conduit section, a conduit section flexibly jointed at one end to the first-named section and supported at its other end on the other vehicle, and a stop element on one of said conduit sections arranged to contact the other section for limiting angular movement between the conduit sections.

2,000,470
PHOTOGRAPHY
Max O. Miller, Los Angeles, Calif.
Application February 16, 1931, Serial No. 516,029
2 Claims. (Cl. 88—16)

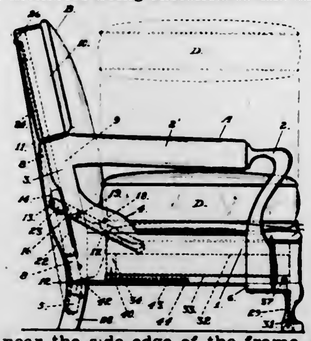


1. The process of taking and projecting pictures which consists in photographing an object through a conventional camera lens with a concaved spherical lens in front of the camera lens to increase the field thereof without increasing the object distance, using an aperture plate having an aperture reduced vertically to prevent exposure of a portion of the standard film frame area, and then projecting said picture through a double convexed spherical lens having a focal length less than that of the lens usually used at the same screen distance and through an aperture plate having the same size of aperture as that in the aperture plate through which the picture was taken.

2,000,471
CHAIR BED
Fred E. Moore, Alhambra, Calif.
Application April 2, 1928, Serial No. 266,662
1 Claim. (Cl. 155—45)

In a chair, a main seat frame, said seat frame forming a seat support, an auxiliary frame arranged to be disposed over the seat support, as well as to form an extension to the main seat

frame for a leg rest, said auxiliary frame having front supporting legs, and a pair of flexible fabric members for limiting the extension movement of the auxiliary frame, one end of each of said members being fastened to the main seat



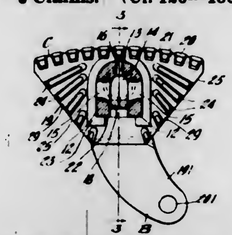
frame near the side edge of the frame, and the other end being fastened near the rear edge of the auxiliary frame to the under side thereof, whereby when the auxiliary frame is disposed in the seat frame, said flexible members are in doubled relation between the two frames.

2,000,472
EGG SEPARATOR
James A. Muzzio, Madison, Ohio
Application February 23, 1934, Serial No. 712,465
6 Claims. (Cl. 146—2)



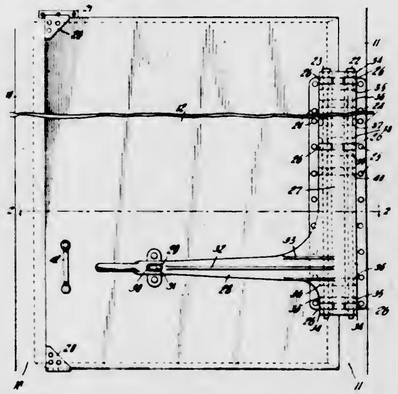
1. An egg separator comprising a support having an annular body portion and a downwardly-extended diametrically-connected strap, a basket rotatable in and on the body portion and centered in the strap, the basket being formed with a plurality of slots, the strap having a series of teeth projecting oppositely to the direction of basket rotation, said teeth being formed with outwardly-projecting lips.

2,000,473
GRATE
John F. O'Connor, Chicago, Ill.
Application February 10, 1933, Serial No. 656,076
6 Claims. (Cl. 126—180)



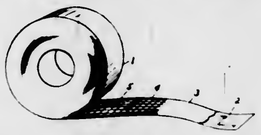
1. A fuel supporting unit for a grate and adapted to be detachably mounted on a carrier bar, said unit comprising: a vertical web arranged to extend transversely of the carrier bar; a series of fingers along the top of the web extending transversely of the latter and to opposite sides thereof; and a plurality of heat radiating flanges on the sides of the web, said flanges extending from the side edges of the web inwardly and upwardly and terminating below the fingers and defining air preheating passages for the air of combustion.

2,000,474
DOOR MOUNTING AND OPERATING MECHANISM
John F. O'Connor, Chicago, Ill.
Application May 5, 1933, Serial No. 669,466
10 Claims. (Cl. 20—16)



1. In a structure having a frame defining a door opening and a pivoted door therefor and wherein the pivoted edge of the door engages the adjacent edge of the door frame when in closed position, the combination with two relatively elongated hinge members secured respectively to the pivoted edge of the door and adjacent door frame structure; of a combined operating arm and integrally formed correspondingly elongated link pivotally connected to both of said hinge members and bridging the joint between the door and door frame, the arm being extended so as to overlie the door when the latter is in closed position.

2,000,475
ADHESIVE MATERIAL
Philip L. O'Donnell, Cincinnati, Ohio
Application February 11, 1932, Serial No. 592,303
5 Claims. (Cl. 154—43)



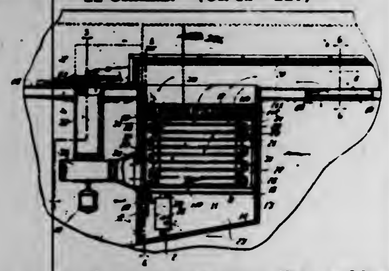
1. In an adhesive sheeting for masking and the like the combination of an impervious thin flexible backing material that has a low coefficient of adhesion to non-drying adhesive, a reticulated reinforcement for said backing, a flexible drying adhesive for attaching the reticulated material to the backing and a film of non-drying adhesive covering said reticulated material and said drying adhesive and conforming superficially to the mesh of the reticulated reinforcement.

2,000,476
TOOL SETTING GAUGE
William D. Schmidt, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application December 14, 1931, Serial No. 580,878
12 Claims. (Cl. 33—185)



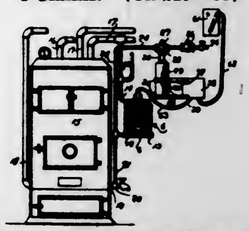
1. In a device for adjusting a cutting tool in a supporting bar, a frame, means on said frame for clamping said device to said bar, means on said frame in a predetermined relation to the clamping means and engageable with one end of said cutting tool for indicating the extent of projection of the cutting edge of said cutting tool radially beyond the axis of said bar, means on said frame in predetermined relation to said indicating means and engageable with the other end of said cutting tool for adjusting said cutting tool radially in said bar, and means on said frame for adjusting the angularity of the cutting edge of said tool relative to the axis of said supporting bar.

2,000,477
COOLING AND VENTILATING SYSTEM
Edward F. Carry, Chicago, Ill.; Mabel D. Carry, executrix of the estate of said Edward F. Carry, deceased, assignor to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application November 14, 1927, Serial No. 233,161
11 Claims. (Cl. 62—117)



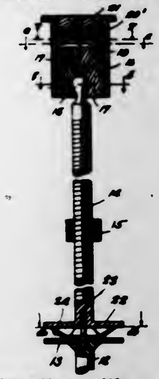
1. In a railway passenger car, the combination with upper deck framing including transverse and connecting longitudinal members, of ceiling, wall, and removable floor panels suspended from certain of said longitudinals and defining an air chamber above the space normally devoted to service and accommodation requirements and divided into compartments, a cooling coil in one of said compartments supported independently of adjacent floor panels, a mechanical refrigerating apparatus suspended beneath the car and having fluid connection with said cooling coil, and valve means in another of said compartments controlling the supply of refrigerant from said apparatus to the cooling coil.

2,000,478
ELECTRIC WATER HEATER
Sebastiano Conte, Princeton, N. J.
Application March 22, 1933, Serial No. 662,161
4 Claims. (Cl. 219—38)



1. An electric water heating system comprising an electric heating unit placed in close relation to the water carrier and including a normally closed switch element, and an operating lever for the switch element including a disk plate upon which water of condensation is adapted to fall for pivotally moving the lever and opening the switch and said lever being automatically returnable to switch closing position in the absence of flow of water of condensation.

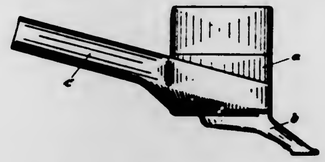
2,000,479
CLOSURE OPERATING MECHANISM
Cleo C. Cook and Milford M. Cook, Visalia, Calif.
Application May 11, 1934, Serial No. 725,210
2 Claims. (Cl. 268—124)



1. The combination with a vertically sliding window, of a window operator comprising a bar on which the window is mounted, a threaded shaft, a motor, a motor shaft extending from the motor, a friction clutch connecting the motor shaft and threaded shaft, a bearing in which the upper end of the threaded shaft is mounted, means for adjusting the bearing whereby the friction clutch is regulated, and means for transmitting movement of the threaded shaft to the bar, whereby the bar and window are moved vertically.

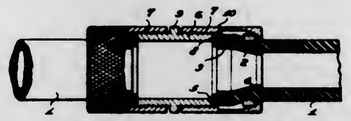
2,000,480
BLOWER, MORE PARTICULARLY FOR USE IN VACUUM CLEANERS
Engelbert Gorissen, Wuppertal-Barmen, Germany
Application March 21, 1934, Serial No. 716,491
In Germany May 31, 1933
4 Claims. (Cl. 230—133)

1. A blower, more particularly for vacuum cleaners, comprising a casing, a vane wheel revolubly mounted in the casing, an air outlet, and an air guiding passage between the vane wheel and the peripheral wall of the casing, the said air guiding passage being a helical passage rising



uniformly throughout its entire length round the axis of the vane wheel, and merging into the air outlet without any sharp edge or corner upon which the current of air produced by the vane wheel can impinge.

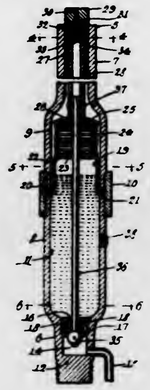
2,000,481
HOSE COUPLING
Charles Harrison, Vancouver, British Columbia, Canada
Application June 27, 1933, Serial No. 677,940. Renewed March 15, 1935. In Canada November 23, 1932
1 Claim. (Cl. 285—86)



A hose coupling adapted for connection to a complementary member having a threaded and contacting face, said face comprising a straight tapered nipple having at its smaller end an integral cylindrical extension, said nipple being adapted for insertion into the free end of a hose and to afford a frictional grip between the cylindrical extension and the inner face of the hose, a collar internally threaded adjacent one end, a complementary member in threaded engagement with the threaded portion of said collar, a cam face formed internally of the collar adjacent the other end, the interior surface of the collar between the threaded surface and cam being reduced to form a groove, a split ring inserted in said groove and unremovable therefrom, and a hose member retained in said collar through the medium of the nipple split ring and cam face.

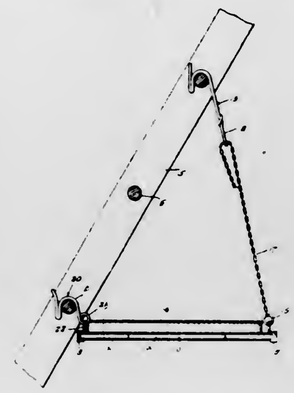
2,000,482
DIE OILER
James M. Hinkle, Barbourville, Ky., assignor to E. C. Kirby, Indianapolis, Ind.
Application January 30, 1934, Serial No. 709,035
4 Claims. (Cl. 10—126)

1. A die oiler comprising a die holder, a handle carried by the die holder and including a reservoir having an outlet discharging into the die holder, a valve controlling the flow of oil from the reservoir to the outlet, a compressible tubular expeller forming the top of the reservoir, a hollow stem connected to the expeller and constituting means for venting the expeller to the atmosphere, a portion of the stem being accessible to an operator, to actuate the expeller and to open the valve, an inwardly opening venting check valve carried by the stem, means extended through the expeller for connecting the stem to the first-specified valve, and return-spring means coacting with the



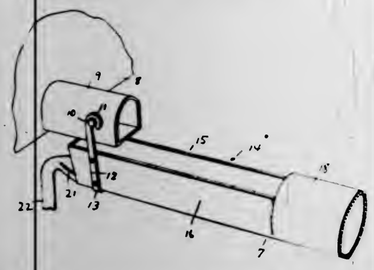
stem to close the first-specified valve and to effect a return stroke of the expeller.

2,000,483
LADDER BRACKET
Isaac E. Hogelin, Guthrie Center, Iowa
Application October 20, 1934, Serial No. 749,297
1 Claim. (Cl. 304—34)



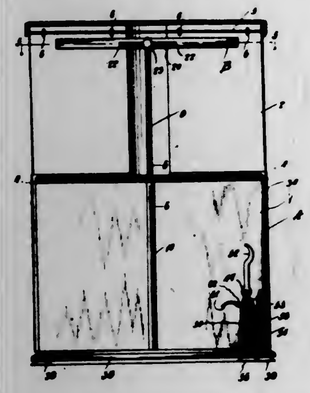
In combination with a ladder having rungs, a fabricated bracket for supporting a platform, said fabricated bracket including spaced parallel end members connected by means of centrally disposed base parallel transverse members, braces on each side of the transverse members are of substantially U-shape having diverging sides, the light portion of each brace being connected to the outer side of the transverse members and the free end of the brace connected to the inner side of the end members, a pivotally mounted hook at one end of the bracket for engaging an immediate rung of the ladder, a chain extending from the opposite end of the bracket and provided with a hook at its end for engaging an elevated rung of the ladder, and a swingable bail on the bracket for engaging over and retaining a platform on the said bracket.

2,000,484
SLAG CONVEYER
Joseph H. James, Salt Lake City, Utah
Application August 28, 1934, Serial No. 741,865
1 Claim. (Cl. 193—11)



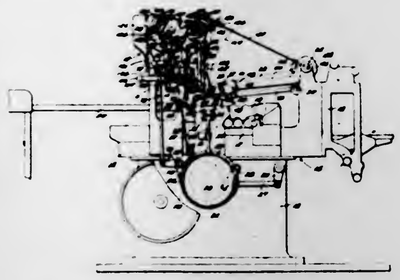
Means for conveying slag from a furnace comprising an inclined chute having a considerable portion of its receiving end of channel shape in cross section with its top open and its bottom flat and the remaining part of the chute being of integral tubular form whereby the top of said remaining part is closed, said inlet end of the chute having a rectangular shaped opening in its upper extremity opening directly upon the bottom of the chute and which is of the same length as the width of the bottom, a water supply pipe having a rectangular shaped outlet end connected to the chute and surrounding the opening, the bottom of the chute being plain to provide an even flow of the mixture of water and slag over the same, and means for discharging the slag into the channel part a slight distance below the water inlet opening.

2,000,485
BOOK HOLDER AND LINE FINDER
Paul A. Jones, San Francisco, Calif.
Application November 21, 1933, Serial No. 699,073
2 Claims. (Cl. 120—34)



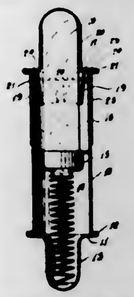
1. In a device of the character specified, a book support, a vertical rack, a supporting sleeve adjustably mounted on the upper end of the rack, a line finder carried by the supporting sleeve, an actuating lever and a ratchet and gear mechanism for intermittently lowering the rack and line finder when said lever is actuated.

2,000,486
AUXILIARY ROTARY PRINTING ATTACHMENT FOR PRINTING PRESSES
William M. Kelly, Westfield, N. J., assignor to American Type Founders Company, Elizabeth, N. J., a corporation of New Jersey
Application September 8, 1933, Serial No. 688,693
21 Claims. (Cl. 101—215)



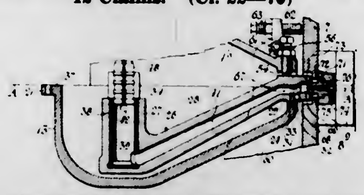
1. In combination with a printing press of the bed and cylinder type, an auxiliary printing attachment comprising a pair of side frames adapted to be secured to the frame of the press and to extend upwardly above the same, a printing cylinder having the usual opening in its peripheral surface mounted in said side frames for vertical bodily movement therein and disposed above the impression cylinder of the press, means for effecting said bodily movement of the printing cylinder to make printing contact with said impression cylinder, and paper feeding mechanism pivotally mounted at one end of the press and terminating adjacent the impression cylinder, said opening in the peripheral surface of said printing cylinder providing clearance for the end of the feeding mechanism when it is raised about its pivot for gaining access to the portions of the press beneath the same.

2,000,487
LIP STICK HOLDER
Arthur A. Koch, Beardsley, Minn.
Application April 2, 1934, Serial No. 718,699
7 Claims. (Cl. 206—56)



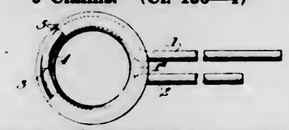
1. In a lipstick holder, a casing adapted to contain a lipstick, yielding means engaging the lipstick to normally project it from the casing, clamping jaws pivotally mounted in said casing and adapted to yieldingly engage the lipstick, spring means jointly engaging said jaws and unitarily moving them into clamping positions, and a cover for the casing provided with means to move said clamping jaws from engaging position.

2,000,488
DIE CASTING MACHINE
Torbjorn C. Korsmo, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a corporation of Wisconsin
Application April 16, 1934, Serial No. 720,905
12 Claims. (Cl. 22—70)



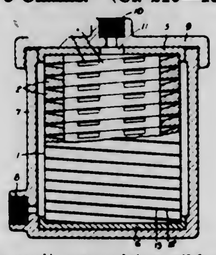
1. The combination in a die casting machine of a melting pot; and a pressure chamber in the melting pot, said pressure chamber having a metal discharge end fixedly supported by the melting pot, the opposite end of the pressure chamber being supported by the melting pot so as to permit variations in the size of the pressure chamber due to temperature changes therein.

2,000,489
THERMOCOUPLE MOUNTING
Karl M. Lederer, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 16, 1931, Serial No. 569,347
9 Claims. (Cl. 136—4)



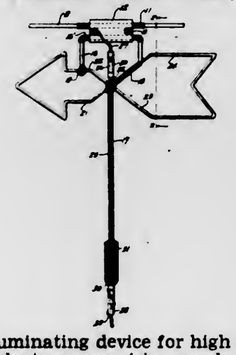
1. A mounted thermocouple comprising a tubular metal body having an external circumferential groove, and a thermocouple carried by and extending circumferentially about said metal body, said thermocouple having the junction thereof and the adjacent portions of the couple wires seated in said groove.

2,000,490
SLIT FILTER
Thor Fridolf Mandahl, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a corporation of Sweden
Application March 1, 1933, Serial No. 659,220
In Sweden March 7, 1932
6 Claims. (Cl. 210—169)



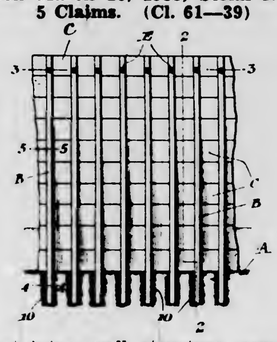
1. A filter unit comprising ribbons having adjacent faces in contact, each ribbon having one flat face and transverse contact ridges at its opposite face for engagement with the substantially flat surface of the adjacent ribbon, whereby a plurality of transverse filter passageways are formed between the ribbons by the respective adjacent pairs of ridges, each passageway having a cross-sectional area increasing in the filtering direction, said transverse ridges terminating short of the inlet edges of said ribbons to provide between adjacent ribbons a filtering slit uninterrupted by said ridges and extending continuously along the inlet sides of said ribbons.

2,000,491
ELECTRICAL ILLUMINATING DEVICE
Florian F. Manor, Oshkosh, Wis., assignor of one-third to A. B. Bechaud and one-third to A. T. Brenner, both of Fond du Lac, Wis.
Application September 9, 1932, Serial No. 632,359
2 Claims. (Cl. 177—329)



1. An illuminating device for high tension lines having conductors comprising an electrical illuminating tube having upper and lower terminals, a support to which said tube is secured, a clamp formed by a pair of complementary sections each having a pair of clamping grooves therein, means for drawing said sections together to rigidly secure a portion of one of the conductors of the high tension line in one set of grooves and to loosely engage the tube support in the other set of grooves, and means for electrically connecting the terminal of said tube to said upper conductor of the high tension line, said loose engagement of the clamp with the tube support providing for swinging movement of the tube to prevent breakage by the wind.

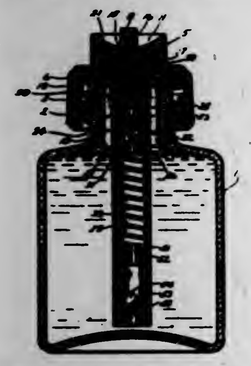
2,000,492
RETAINING WALL AND METHOD OF CONSTRUCTING IT
Henry Eugene McKeen, Montreal, Quebec, Canada
Application March 16, 1933, Serial No. 661,146
5 Claims. (Cl. 61—39)



5. A retaining wall structure comprising in combination, a natural hard rock bed provided

with a series of parallel vertical cylindrical sockets uniformly spaced and cut therein below the ultimate surface level, a plurality of vertically extending parallel I-beams seated on end in each socket having their flanges adjacent to the walls of the sockets and extending as integral units to the top of the wall, the depth of each socket being only a small fraction of the length of its associated beam, a bond of plastic setting material in each socket rigidly uniting the inserted beam ends with the rock, bearing members connecting the upstanding portions of the beams to receive a horizontal load and supported by the beams.

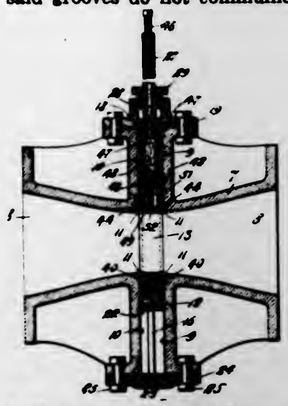
2,000,493
LIQUID DISPENSING DEVICE
Jacob C. Miller, Whitefish Bay, Wis.
Application December 18, 1933, Serial No. 702,885
6 Claims. (Cl. 221—102)



1. In a liquid container having an apertured neck, the combination with an apertured cap secured thereto, of a tube secured to the inner face of said cap co-axially with said aperture, a plunger reciprocable in said tube, said plunger having a piston portion, a plunger portion of less diameter than said piston portion and a second portion of less diameter than said plunger portion extending through said aperture of said cap and providing a valve portion between said plunger portions adapted to seat upon the margin of said aperture, said plunger also having a recess in its piston portion communicating with the space between said plunger portions and said tube, valve means in said recess, valve means at inner end of said tube, and a spring disposed between said means whereby to normally hold valve portion of said plunger in contact with said cap.

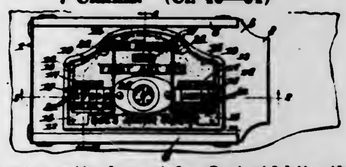
2,000,494
VALVE
Sven Johan Nordstrom, Piedmont, Calif., assignor to Mereo Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware
Application November 4, 1930, Serial No. 493,252
13 Claims. (Cl. 251—60)

1. A valve comprising a casing provided with a port and having parallel valve-seat walls, a parallel-walled slide arranged to slide between the valve-seat walls, said slide having a hole adapted to register with the port in the open position of the slide, the valve-seat walls and the slide being provided with grooves arranged to form a closed circuit groove surrounding the port at a substantially uniform distance therefrom when the slide is in open position and so disposed whereby in moving to closed or open position said grooves do not communicate with



the port area, and pressure means for filling the grooves with lubricant or sealing substance.

2,000,495
COVER ATTACHMENT FOR FIRST AID KITS
Joseph L. Peavey, Meridian, Miss.
Application August 25, 1933, Serial No. 686,817
7 Claims. (Cl. 40—64)



1. A cover attachment for first aid kits, the kit comprising a box and a cover, said attachment consisting of a slide, letter and number units and means for attaching them to the slide, and means on the cover constituting a pocket in which the slide is insertable, said pocket means having an opening through which the letters and numbers are visible.

2,000,496
HAIR CURLING DEVICE
Rocco Pezzella, Washington, D. C.
Application January 11, 1934, Serial No. 706,278
12 Claims. (Cl. 132—33)

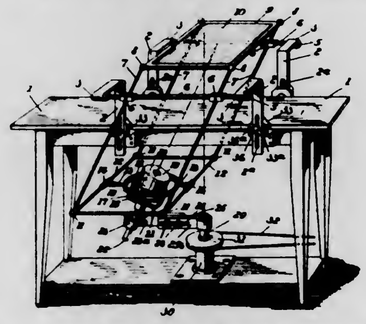


1. A hair curling device comprising a frame, a rotatable mandrel journaled on the frame and on which the hair is wrapped, and a pressure roller cooperating with the mandrel and journaled on the frame, said roller pressing against the hair wrapped upon the mandrel.

2,000,497
METHOD OF AND APPARATUS FOR MAKING RÖNTGEN PROJECTIONS
Ernst Pohl, Kiel, Germany
Application November 28, 1928, Serial No. 322,496
In Germany November 29, 1927
1 Claim. (Cl. 250—34)

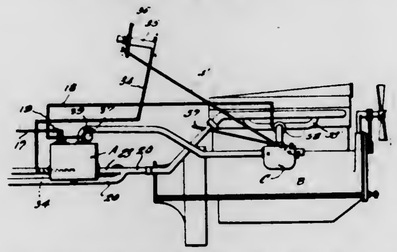
In an apparatus for controlling the direction of Röntgen ray projections, the combination of

a support for the object to be projected, with a prismatic frame comprising articulated members straddling said support, an image carrier mounted in the upper end of the frame above said support, supports for the frame on opposite sides of the object support, pivotal connections between the frame and said supports with the pivots included in a plane parallel to the object support and to the image carrier, a gimbal mounted in the lower end of the frame, a rod extending from the inner element of the gimbal and alined with the axis thereof, a rotatable shaft mounted in a bearing with its axis normal to the center of



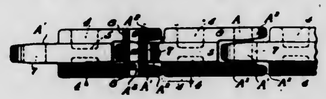
the plane including the said pivotal connections, means for rotating the shaft, an arm fixed at one end on the shaft, a swivel connecting the other end of the arm with the rod extending from the gimbal, the rotation of the shaft operating through the intervening mechanism to impart conical pendulation to the frame, and a casing enclosing a Röntgen tube and having an opening for the passage of a confined bundle of rays, said casing being mounted on the inner element of the gimbal so that the bundle of rays emanating from the opening will always be directed toward the image carrier.

2,000,498
GASOLINE ENGINE FUEL VAPORIZER
Dudley Yates Rickabaugh, Kelseyville, Calif.
Application October 27, 1932, Serial No. 639,772
6 Claims. (Cl. 261—15)



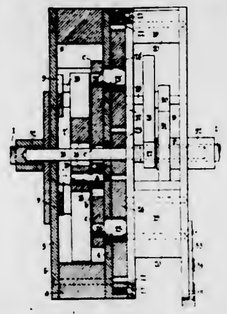
1. In combination, a gasoline vaporizing tank for internal combustion engines formed with horizontal tubes adjacent the bottom thereof, automatically controlled exhaust pipe branches extending through said tubes in spaced relation thereto for heating the gasoline, a header mounted on the tank having at least one screened opening, a plurality of spaced relatively small aerating pipes extending from the header and terminating in the vaporizing tank adjacent the bottom thereof, a mixing bowl adapted for communication with an intake manifold, a suction pipe constituting a passage between the mixing bowl and the vaporizing tank, an air inlet pipe forming a communication with the mixing bowl, and interconnected valves controlling the air inlet communication and the suction passage.

2,000,499
CONVEYER
Robert John Roland, Cincinnati, Ohio, assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio, a corporation of Ohio
Application August 8, 1932, Serial No. 627,965
15 Claims. (Cl. 198—189)



15. In a carrier chain, a pair of links and a pivot pin connecting said links with each other, one of said links having a member which has pivotal movement in planes perpendicular to each other upon said pin and said pin having shoulders contacting the sides of said member at all times in said movements of the latter.

2,000,500
POWER TRANSMITTING MECHANISM
Louis Joseph Turner, Ottawa, Ontario, Canada
Application January 19, 1934, Serial No. 707,388
In Canada January 6, 1934
11 Claims. (Cl. 74—260)

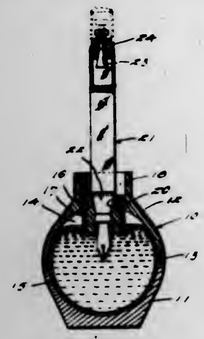


1. A variable speed power transmitting mechanism comprising a driving shaft, a driven shaft, centrifugally operated means driven by said driving shaft, an epicyclic gear associated with the driven shaft, pivot means projecting from said planet gears, a bar supported by said pivot means, and a crank pin driven by said centrifugally operated means and in driving engagement with said bar.

2,000,501
INK WELL AND PEN FILLING DEVICE
David E. Wade, Albany, N. Y.
Application April 26, 1934, Serial No. 722,579
3 Claims. (Cl. 120—64)

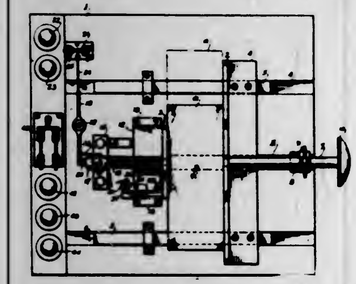
1. An ink well, comprising a rigid body having a chamber therein, a neck carried by the body communicating with the chamber, a collapsible ink holding member in the chamber, a yieldable pen engaging member carried by the ink holding member for sealing an end of a pen therein while

permitting collapsing of the ink holding member, and means for slidably mounting said pen



engaging member in the neck of the body, said latter means being non-yieldable in construction.

2,000,502
TESTING APPARATUS
Henry Christian Weikel, Jr., Baltimore, Md., assignor to The United States Printing and Lithograph Co., Baltimore, Md., a corporation of Ohio
Application December 5, 1929, Serial No. 411,871
13 Claims. (Cl. 177—311)



1. A testing apparatus comprising a support, cooperating members having parallel plane confronting gauge faces perpendicular to said support, guides on said support for said cooperating members, said members being slidable relative to said support in a direction perpendicular to said plane faces, one member functioning as a pusher for the object under test, means to permit the yielding of the other member through a narrow range determining the tolerance in the width dimension of the object, means for operating said pusher, and an adjustable stop for limiting the inward travel of said pusher thereby determining what shall be considered the correct width of the object.

2,000,503
VEHICLE JACK
Tom C. White, Billings, Mont.
Application June 25, 1934, Serial No. 732,313
12 Claims. (Cl. 254—133)

1. A self-centering, lifting head for jacks comprising an upwardly curved, elliptically shaped plate, one end of the curved plate rising to a



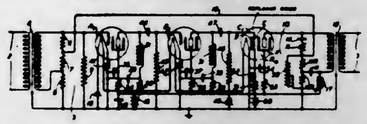
greater height than the other end of the said plate.

2,000,504
KNOT-FORMING MECHANISM
Emile Adrian, St. Michel-sur-Meurthe, France
Application February 27, 1933, Serial No. 658,870
In France and Germany March 10, 1932
3 Claims. (Cl. 289—3)



1. In a mechanism for forming a weaver's knot of the type comprising rotary pincers, on both sides of which the two threads to be tied are elongated and held between means for tightening and crossing threads disposed on both sides of the said rotary pincers, also scissors for cutting the threads according to the formation of the knot by rotation of the pincers after crossing threads; a unit comprising a pair of scissors and a stretching hook movable about an axis perpendicular to the axis of rotation of the rotary pincers, means for conjugating the angular displacements of the said rotary pincers and the said unit so that, in the last 90 degrees through which the rotary pincers passes, the hook commences to disengage the knot formed on the pincers and the scissors operate to grasp, cut and retain the same end of thread as that under which the hook has passed so that the correct tightening of the knot is effected by exerting a tightening pull on the thread ends.

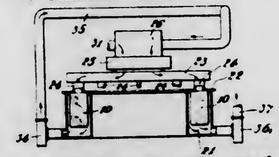
2,000,505
VACUUM TUBE APPARATUS
Harold S. Black, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1933, Serial No. 691,001
6 Claims. (Cl. 179—171)



1. A vacuum tube amplifier comprising three tubes in cascade connection and means for reducing distortion of waves transmitted therethrough by feedback of distortion components originating in the amplifier, each of said tubes comprising a cathode and an anode and a negatively biased control grid therebetween, each of the first two tubes having a positively biased screen grid between its anode and its control grid

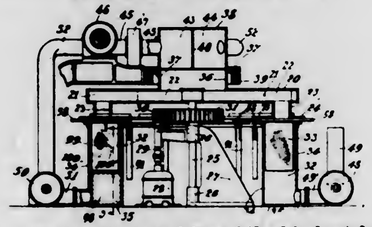
for reducing its anode-control grid electrostatic capacity, and the third tube having its control grid fed from the second tube and having a positively biased space charge reducing grid principally in the same surface as its control grid and at substantially the same location as said control grid with respect to its anode and its cathode.

2,000,506
METHOD FOR DRYING BURLAP BAGS
Lloyd T. Bromfield, New York, N. Y.
Application February 25, 1932, Serial No. 595,010
3 Claims. (Cl. 34—24)



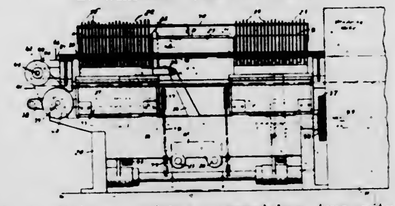
3. In a method of removing enmeshed sugar particles from, and drying, the moist material of a burlap sugar bag, the steps which consist in expanding the mouth-opening edge portion of the bag to an extent effective to suit extensive expansion of the bag body, by applied retaining means supporting the bag body from said edge portion in gravity pending position and entirely free of the retaining means from the edge portion, entirely covering over the expanded mouth-opening to enclose the chamber of the bag, passing drying fluid while the bag is so suspended, into the chamber of the bag under unrestrained force and in an amount sufficient to expand the bag body outwardly in every direction thereby effectively stretching the fibers of the bag and enlarging the pores thereof throughout the area of the bag, simultaneously maintaining the fluid of application at a temperature sufficiently high, while avoiding any distilling action of the fiber oils, to cause removal by abstraction of the moisture contained in the fibers and in the therein enmeshed sugar particles, such removal of moisture being effective to bring about a weakening in the adhesion between the sugar particles and the stretched fibers, and simultaneously maintaining the whole amount of fluid within the bag chamber under a controllable pressural force greater than the weakening adhesion between the sugar particles and the stretched bag fibers, thereby without inherent injury to the bag to detach and remove sugar particles from the fibers thereof while at the same time to remove the moisture content of the fibers and thoroughly dry the bag in its entirety.

2,000,507
MACHINE FOR TREATING BAGS
Lloyd T. Bromfield, New York, N. Y.
Application May 18, 1932, Serial No. 612,030
24 Claims. (Cl. 34—12)



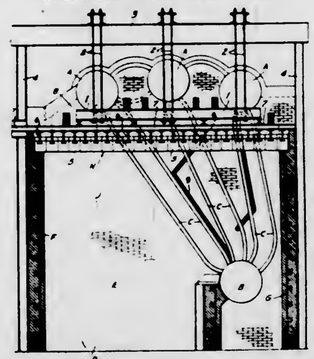
1. A bag treating machine of the kind set forth, comprising an endless circular channel-shaped treating chamber for the bags, a top section continuously closing the chamber and having independently working means supporting the bags, mouths upward therein, and expanded and covered by the section itself, said section being mounted for rotary movement and adapted, when moved, to move the bags in the chamber, passages formed in the top section for conducting and discharging treating fluid directly through the expanded mouth openings into the interiors of the individual bags during the movement of the bags in the chamber, means for supplying treating fluid under pressure to said passages, and means for periodically closing said passages.

2,000,508
SLICING MACHINE
Wilhelm B. Bronander, Montclair, N. J.
Application February 27, 1931, Serial No. 518,631
17 Claims. (Cl. 146—153)



2. A slicing machine comprising two sets of slicing mechanisms, means operatable alternately to move articles to be sliced into operative position relative to said slicing mechanisms, means for feeding said articles through said slicing mechanisms, a conveyor, and means for imparting an intermittent feed to said conveyor, said article feeding means operating to feed said sliced articles into alternate spaces on said conveyor.

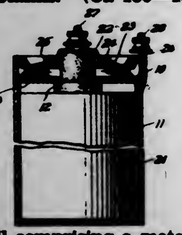
2,000,509
STEAM GENERATING APPARATUS
Samuel F. Burnet, Webster Groves, Mo., assignor to Laclede Christy Clay Products Company, St. Louis, Mo., a corporation of Missouri
Application April 4, 1932, Serial No. 603,000
2 Claims. (Cl. 122—302)



1. A steam generating apparatus composed of a plurality of small boilers arranged side by side, a setting comprising a front wall and side walls, each of said small boilers comprising tubes that extend parallel to the side walls of the setting and drums attached to said tubes and disposed transversely of the boiler in parallel relation to

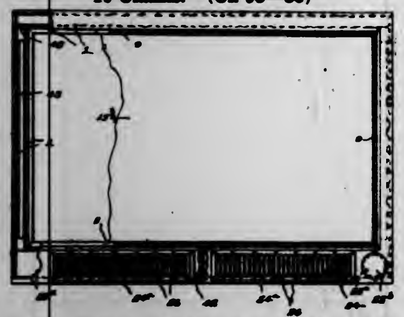
the front wall of the setting, the tube banks of the respective boilers extending parallel to each other and being disposed at the rear side of the combustion chamber in opposed relation to the front wall of the setting, and a suspended arch structure arranged between the tube banks of adjacent boilers so as to form part of the roof of the combustion chamber and extending from the front wall to the rear wall of the setting, whereby the gases in the upper portion of the combustion chamber will be deflected laterally into the tube banks located at the opposite sides of said arch structure.

2,000,510
DRY CELL
Peter Corigliano, St. Albans, N. Y., assignor to Bright Star Battery Company, Hoboken, N. J., a corporation of New York
Application March 2, 1932, Serial No. 596,223
5 Claims. (Cl. 136—133)



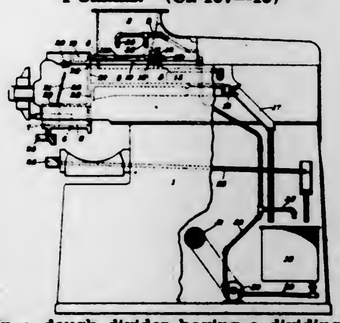
1. A dry cell comprising a metal cup containing a cartridge having a centrally arranged electrode, a metal cover comprising a central continuous metal portion recessed to receive and enclose the upper end of said electrode, and an outer continuous metal portion having rigid, permanent connection at its outer edge with the rim of said cup, the outer edge of the central portion and the inner edge of the outer portion being crimped together and forming a permanent mechanical connection between said portions, and insulation interposed between said central and outer portions.

2,000,511
SELF CONTAINED WINDOW STRUCTURE
Oliver M. Edwards and Roy T. Axe, Syracuse, N. Y., assignors, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., a corporation of New York, trustee
Application August 23, 1929, Serial No. 389,057
10 Claims. (Cl. 98—88)



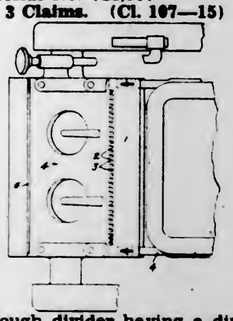
1. In a unitary window construction, a hollow frame mountable in the frame of a window opening of a structure and having means for supporting a pane, the bottom rail of the hollow frame, which coacts with the sill portion of the window opening, being provided with air intake openings through the outer wall thereof and one of the upright frame members of the hollow frame being formed with inlet openings through its inner face, whereby air circulates from the outer side of the window through the bottom rail and from the bottom rail into the upright frame member and out through the ventilating openings.

2,000,512
LUBRICATING SYSTEM FOR DOUGH DIVIDERS
Gustav B. Eggert, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application February 16, 1933, Serial No. 657,040
4 Claims. (Cl. 107—15)



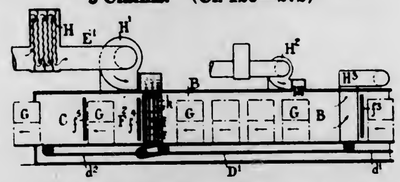
4. In a dough divider having a dividing head reciprocable relative to the frame of the machine, in combination, an oil reservoir extending along the upper edge of the working face of the machine and closed along said edge to retain oil by the working face of said dividing head, an oil reservoir in and opening onto the working face of said dividing head so located as to come into communication with said first-mentioned reservoir once in each reciprocation of the head to receive oil therefrom by gravity flow.

2,000,513
OIL WIPER
Gustav B. Eggert, deceased, late of Saginaw, Mich., by Bernard H. Liskow, administrator, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Original application February 16, 1933, Serial No. 657,040. Divided and this application March 5, 1934, Serial No. 714,067
3 Claims. (Cl. 107—15)



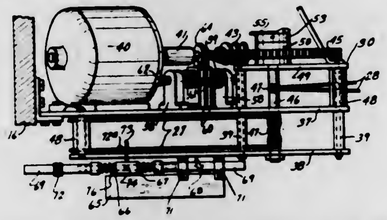
1. In a dough divider having a dividing head mounted for rotary reciprocation, an oil reservoir in said head, a stationary oil reservoir arranged to feed a film of oil onto the working face of said head during its motion in one direction, and a stationary scraper positioned between said reservoirs in co-operative relationship to the working face of the head to impel the oil of said film into the reservoir in said head during its motion in the opposite direction.

2,000,514
APPARATUS FOR PASTEURIZING MILK AND OTHER SUBSTANCES
Arthur Guy Enock, Wembley Park, England
Application January 22, 1934, Serial No. 707,700
In Great Britain January 27, 1933
5 Claims. (Cl. 126—272)



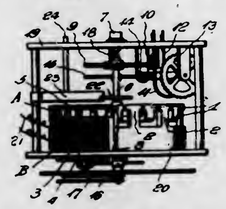
1. Pasteurizing apparatus for liquids in bottles comprising a plurality of chambers in alignment, horizontally disposed and maintained at different temperatures, automatic conveyers by which the bottles are moved progressively through the chambers, air locks at the inlet to and outlet from the apparatus and between the several chambers, said air locks having doors or shutters at each end thereof, further automatic conveyers by which the bottles are traversed between the chambers and means adjacent to each chamber to heat or cool the air and force it into the respective chamber.

2,000,515
DOOR OPERATING DEVICE
Leo H. Gross, Bartelso, Ill.
Application March 21, 1932, Serial No. 600,148
9 Claims. (Cl. 268—63)



1. In combination with a building and doors pivotally mounted to swing outwardly from said building, an electric power operator unit within the building, and near the door opening, cables actuated by the operating unit, means confining each cable to a path of movement toward and away from the doors and door opening, and a pair of pivoted arms serving as connections between the cables and each of the doors, one of said arms being pivotally carried by the associated door, and the other arm pivotally mounted within the building, said arms being adapted, upon actuation of the cables in one direction, to cause a swinging movement of the doors away from the building and toward open position, switching means carried by the operator unit including a switch-actuating plunger and an arm on the plunger, the plunger and arm being disposed for selective engagement by door-carried elements.

2,000,516
ELECTRIC MOTOR AND CLOCK MECHANISM
Arthur William Haydon, Hinsdale, Ill.
Application November 16, 1929, Serial No. 407,636
11 Claims. (Cl. 172—275)



1. The combination of a non-self-starting motor having primary and secondary members one of which is of magnet material and of uniform reluctance in all directions, and a spring connected to one of said members for reversing its direction of rotation, the motor being capable of developing a sustained unidirectional torque of less duration than the period of oscillation of said last named member.

2,000,517
DOOR FOR FIRE ALARM BOXES AND THE LIKE
Paul P. Horni, Newark, N. J.
Application October 18, 1930, Serial No. 489,687
4 Claims. (Cl. 177—372)

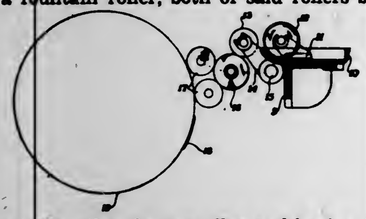


1. In a fire alarm box, the combination of a frame, a movable door thereon, a frangible element mounted in the door, a latch engaging said element for holding said door in partially closed position, and means inside of said door rendered effective by movement of said door toward fully closed position for breaking said element to release said latch.

2,000,518
LITHOGRAPHIC PRINTING MACHINE
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee for said R. Hoe & Co., Inc.
Application March 16, 1932, Serial No. 599,135
4 Claims. (Cl. 101—148)

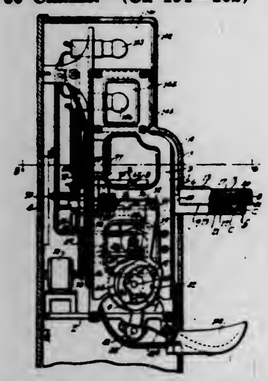
1. In a dampening mechanism for a lithographic printing machine, a distributing roller

and a fountain roller, both of said rollers being



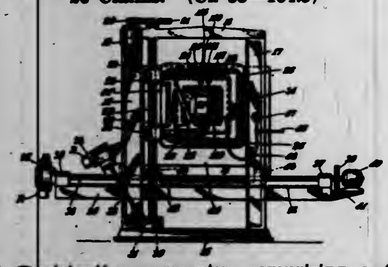
formed of rustless ferrous alloy and having their exterior surfaces grained to a mat finish.

2,000,519
COIN SELECTOR
George McD. Johns, near Sappington, Mo.
Application January 19, 1931, Serial No. 509,581
60 Claims. (Cl. 194—102)



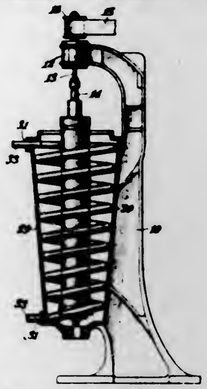
45. Coin-selecting apparatus comprising, in combination, means for simultaneously gauging the weight and thickness of a coin, coin-distributing means, and electrically operable mechanism for actuating the distributing means during the gauging of the coin.

2,000,520
APPARATUS FOR SECURING REGISTRATION POSITION OF AN ARTICLE
Harry C. Jones, New York, N. Y.
Application April 19, 1929, Serial No. 356,326
26 Claims. (Cl. 33—184.5)



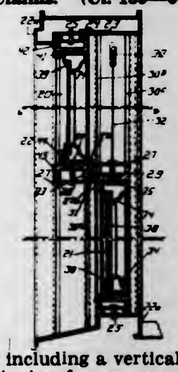
1. Registration apparatus comprising a first member, a second member relatively movable with respect to said first member, adjustable physical registration means attached to one of said members and selectively movable relative thereto, means attached to the other of said members for engagement with said registration means to cause relative movement between said registration means and its attached member when said first and second members are moved relatively, and locking means for fastening said registration means in place when said registration means has been moved to an adjusted position.

2,000,521
CENTRIFUGAL TREATMENT OF SUBSTANCES AND MECHANISM THEREFOR
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application June 13, 1931, Serial No. 544,083
3 Claims. (Cl. 233—11)



1. The method of separating bacilli from a culture medium which comprises subjecting said medium to centrifugal force in a centrifugal rotor to separate said bacilli from the medium by deposition of the bacilli against the wall of the rotor, and extracting heat from the rotor wall during such centrifugal treatment at a controlled rate adapted to prevent deleterious effect upon said bacilli of heat generated by said centrifugal treatment.

2,000,522
WINDOW
Albert Kaspar, Cicero, Ill.
Application October 25, 1932, Serial No. 639,397
2 Claims. (Cl. 189—66)



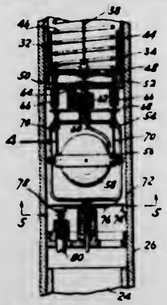
1. A window including a vertical movable sash, a relatively swinging frame mounted within and movable with the sash, a sealing element for the frame carried by the sash on the side and upper rails of the latter, means integral with the frame for cooperating with said sealing elements when the frame is in closed relation to the sash, sealing means for the lower end of the frame and carried thereby, an element on the sash for cooperating with the latter sealing means when the frame is in closed relation to the sash, the cooperation of the element and sealing means permitting limited swinging movement of the frame without interfering with the seal.

2,000,523
TELEPHONE SOUND REPRODUCER
Harold D. Knapp, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 13, 1931, Serial No. 522,295
3 Claims. (Cl. 179—182)



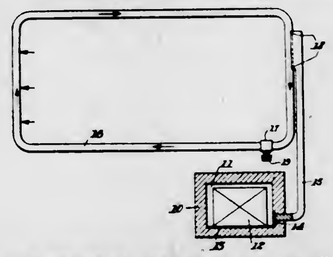
1. In combination, a sound producing device provided with a main sound outlet and at least one minor sound outlet, a cushion surrounding said device, the cushion being provided with a main sound outlet to the exterior thereof, in alignment with the main sound outlet of the device, and means within the interior of the cushion providing a plurality of resonating chambers in acoustic communication with the minor sound outlet of said sound producing device.

2,000,524
WELL SURVEYING INSTRUMENT
Gottdank L. Kothny, Strafford, Pa., and Frederick C. Narvesen, East Rockaway, Long Island, N. Y., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application June 13, 1933, Serial No. 675,568
10 Claims. (Cl. 33—205)



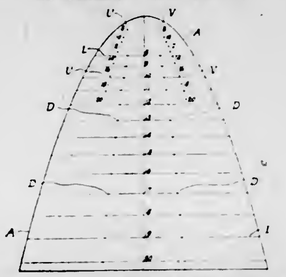
1. In a well surveying instrument provided with means for indicating deviations of the instrument from the vertical, the combination of an element, means for delaying for a predetermined period the operation of the indicating means, a gyroscope connected to the element to insure the location of said element in a determinable azimuthal position during the operation of the indicating means, and means for maintaining the element, after the indicating means operates, in that position which it occupied relatively to the indicating means when the indicating means operated, whereby the azimuth of the deviation may be determined.

2,000,525
REFRIGERATING SYSTEM
Albert L. Lambert, Philadelphia, Pa., assignor to Heintz Manufacturing Company, a corporation of Pennsylvania
Application September 8, 1932, Serial No. 632,147
15 Claims. (Cl. 62—101)



11. In a device of the character described, an insulated compartment, a closed circulating system within and adapted to absorb heat from said compartment, a non-volatile liquid substantially filling said system, an insulated container, a solid refrigerant in said container, and a metallic conductor partly within the container and in heat exchange relation to both said system and said refrigerant.

2,000,526
COMPUTING DEVICE CONSISTING OF A MATHEMATICAL CURVE
Orley B. Lane, Washington, D. C.
Application February 26, 1932, Serial No. 595,377
11 Claims. (Cl. 33—1)



1. A plotting device consisting of a sheet of material having an outline formed as a moment curve having spaced parallel base lines representing different lengths of span to scale, said base lines being so placed that the ordinates from each respective base line to the outline of the curve represent the bending moment at the respective ordinates of the respective span to scale for a predetermined type and amount of load.

2,000,527
RECORDER CHART
Garrett B. Linderman, Jr., Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1931, Serial No. 570,216
4 Claims. (Cl. 234—1)



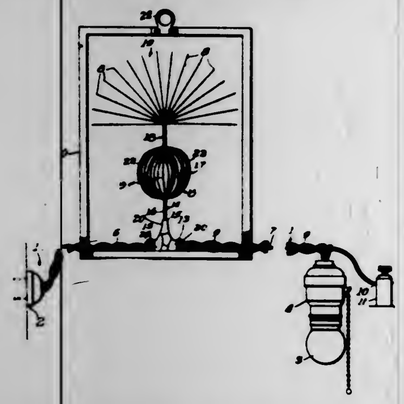
1. A recording instrument chart resisting expansion due to change in humidity consisting of a layer of aluminum foil uniformly adhesively secured between sheets of chart paper.

2,000,528
LAMINATED COMPOSITE PAPER
Garrett B. Linderman, Jr., Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 27, 1932, Serial No. 649,062
2 Claims. (Cl. 154—46)



1. A laminated composite stationery paper suitable for taking an inscription consisting of a layer of metallic foil adhesively secured to external sheets of paper of writing paper quality.

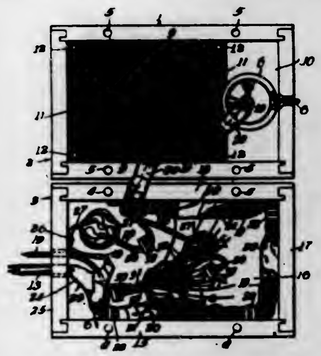
2,000,529
METHOD AND MEANS FOR IMPROVING RADIORECEPTION
Maurice H. Livingston, Chicago, Ill.
Application April 27, 1931, Serial No. 533,221
15 Claims. (Cl. 250—20)



1. In an apparatus of the kind and for the purpose described, a flexible radio antenna wire having a free end and being closely interwoven with a pair of electric circuit wires for a relatively short part of the total length thereof, the free end of the antenna wire having the individual wires thereof spread out in approximately fan shape and located at a point removed from the end of the electric circuit wires.

2,000,530
METHOD AND MEANS FOR IMPROVING RADIORECEPTION
Maurice H. Livingston, Chicago, Ill., assignor of forty per cent to Joseph M. Weisbaum and twenty-five per cent to J. Frederick Ahlbern, both of Chicago, Ill.
Application January 25, 1932, Serial No. 588,641
15 Claims. (Cl. 250—20)

1. The improvements herein described, and comprising a relatively short flexible multiple strand wire adapted to be connected at one end to the antenna circuit of a radio receiving set, a twin flexible wire adapted to be connected at one end to a supply circuit such as an electric light circuit, an electricity using device at the opposite end of said twin wire, a closed casing, the two wires closely interwoven together within said casing for a relatively short distance, the antenna wire returning close to but insulated from the



woven wires to the beginning of said interweaving, the end portion of the antenna wire being bared and the strands thereof opened and spread out to form a succession of disk-like formations.

2,000,531
REPAIR HOUSE CAR CONSTRUCTION
John P. McWilliams and Frank Ditchfield, Cleveland, Ohio, assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application November 25, 1933, Serial No. 699,690
7 Claims. (Cl. 105—469)



1. A repair construction for originally wood sheathed house car having a metal side sill of continuously uniform cross section throughout its length, including, in combination: a metal side plate; metal side posts; means connecting the upper ends of the posts and side plate; attaching brackets at and connected to the bottom ends of the posts, said brackets being directly secured to the outer side of the existing side sill; metal sheathing separately formed from and secured to the outer sides of the posts and along its upper edge to the side plate; and a metal bottom member having an upstanding flange located outwardly of the plane of the sill and secured to the lower edge of the metal sheathing, said posts being coped at their bottom ends to accommodate said upstanding flange.

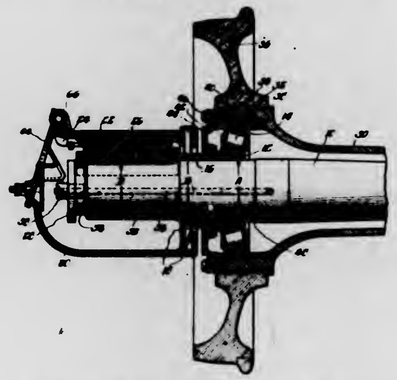
2,000,532
WATERPROOF ABRASIVE PAPER
Carl Munch, Duren, Germany, assignor to Atlas-Ago, Chemische Fabrik, Aktiengesellschaft, Molkau-bei Leipzig, Germany, a German company
No Drawing. Application October 19, 1933, Serial No. 694,337. In Germany October 6, 1932
4 Claims. (Cl. 51—280)

4. The process of producing a waterproof abrasive paper which comprises binding abrasive material to one face of an unsized paper by means of a collodium solution and treating the other face of paper to size and waterproof the same with an alcoholic rosin solution containing a solvent of the group consisting of ethyl acetate and acetone for bonding the rosin to the cellulose ester.

2,000,533
METHOD OF PRODUCING A FOOD POWDER
Robert T. Northcutt, Cranford, and Andrew Langstaff Johnston, Jr., Plainfield, N. J., assignors, by mesne assignments, to Food Concentrates, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 13, 1932, Serial No. 611,234
7 Claims. (Cl. 99—5)

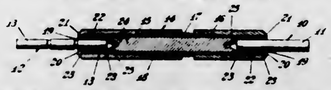
1. The process of producing a food powder, which comprises forming an aqueous intimate mixture by incorporating ground oily nut-like material with a carbohydrate material containing hygroscopic sugar, and drying the mixture to produce a powder wherein the oily nut-like material gives protection against caking.

2,000,534
ROLLER BEARING AXLE
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 28, 1929, Serial No. 335,647
7 Claims. (Cl. 295—36)



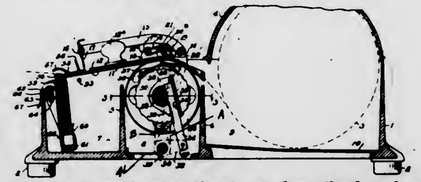
6. In combination with a housing, a shaft extending into said housing and having a journal portion disposed in said housing, a pair of abutments on said shaft disposed in said housing, a channel formed in said shaft adjacent one of said abutments, and wear means disposed on said journal portion and having a pair of abutments cooperating with said first named abutments, one of said last named abutments extending into said channel.

2,000,535
GAUGE
Fred W. Peisch, Chicago, Ill.
Application September 18, 1933, Serial No. 689,927
1 Claim. (Cl. 33—178)



A gauge holder comprising coaxially arranged sleeves having threaded interconnection for adjustment axially relative to each other; each of said sleeves having a bevelled annular shoulder formed integrally therewith on its inner peripheral surface and at its axially outer end; a chuck mounted in each of said sleeves and each of said chucks having engagement at its axially outer end with the corresponding one of said shoulders; each of said chucks having a bevelled axially inner end portion; and a solid cylindrical rod arranged in, and extending between, said sleeves and having opposite end portions projecting a substantial distance into said sleeves; said rod having its axially outer end portions bevelled for abutting engagement with the said bevelled axially inner end portions of said chucks; and said rod having recesses formed in its axial ends for the reception of the inner end portions of gauge members projected thereinto through said sleeves and chucks.

2,000,536
AUTOMATIC TAPE MOISTENER
Frank H. Poeppelmeier, Dayton, Ohio, assignor, by mesne assignments, to Better Packages, Inc., a corporation of New York
Application May 26, 1930, Serial No. 455,552
10 Claims. (Cl. 164—42)

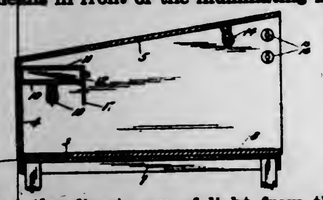


1. In a machine of the type described, a base for supporting a roll of tape, a tape advancing roller arranged for contact with the tape, operating means comprising an operating handle and a positive linkage connection between the handle and the roller for positive movement of the roller in a feeding direction when the handle is operated in one direction, said positive linkage connection causing gradual decelerating movement of said roller to the end of the feeding movement thereof upon constant movement of the operating handle, tape severing means, and means for operating said tape severing means from said operating means during the final movements of the handle in the said one direction, said positive linkage connection providing for feeding movement of the tape during only the first part of the movement of the operating handle in said one direction and then ceasing to advance the tape during the operation of said tape severing means.

2,000,537
MARK-OUT CABINET FOR PRESS MAKE-READY
Harrison S. Ransom, Moline, Ill.
Application August 15, 1932, Serial No. 628,840
8 Claims. (Cl. 240—2)

1. A cabinet of the character indicated having top, bottom, back, and ends which are impervious

to light and having its front open, illuminating means adjacent the back and spaced at intervals along same, reflecting means back of the illuminating means to assist in reflecting light forwardly and means in front of the illuminating means



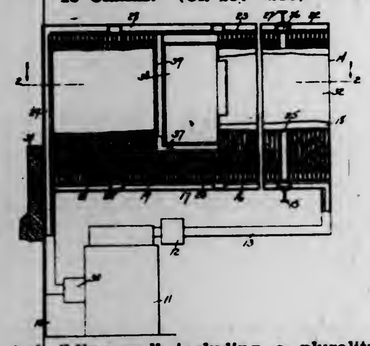
to prevent the direct rays of light from the illuminating means from reaching the eyes of the user but which is so placed as to enable the light to shine upon a paper upon the bottom of the cabinet.

2,000,538
HAND BAG AND REVERSIBLE COVER THEREFOR
Murray H. Resnick, New York, N. Y.
Application February 23, 1935, Serial No. 7,798
9 Claims. (Cl. 150—28)



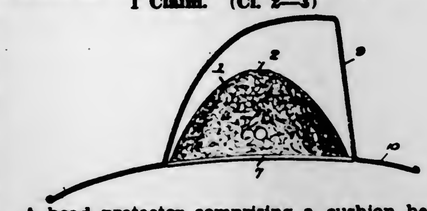
1. A device including a foundation bag member, a cover member therefor, a plurality of spaced fastener portions mounted on each of said members, and means for urging a fastener portion on one member with respect to the companion fastener portion on said member to affect the spacing therebetween for releasably engaging the fastener portions on the other member so as to mount the cover.

2,000,539
BUILDING STRUCTURE
Lester Beach Scheide, Hartford, Conn., assignor of one-half to Henry E. Sage, West Hartford, Conn.
Application May 26, 1932, Serial No. 613,610
18 Claims. (Cl. 257—256)
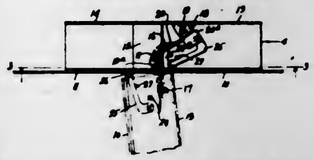


1. A building wall including a plurality of similarly formed building sections each of which includes a plurality of conducting tubes, a supply duct constituting the lower margin of a section with which one end of each conducting tube communicates, an exhaust duct constituting the upper margin of a section and communicating with opposite ends of said tubes, a return duct communicating with said exhaust duct, means for effecting flow of a temperature conditioning medium through said ducts, and means for conditioning said medium.

2,000,540
BELL LINING AND SHOCK ABSORBER
Henry B. Uhlmann and Joseph C. Myers, Philadelphia, Pa.
Application December 5, 1933, Serial No. 701,959
1 Claim. (Cl. 2—3)



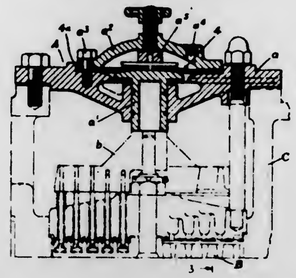
A head protector comprising a cushion head engaging element, a liner adjoining said element, said head engaging element being substantially dome shape throughout its wall with openings therein and adapted to extend within the crown of a fireman's helmet or other head gear, said liner adjoining close to the wall of the dome shape head engaging element and provided with cut out portions at intervals throughout the liner, elastic inserts secured to the edges of the cut out portions, a fabric binding strip adjacent the lower portion of the liner and extending down and underlying the edge of the cushion element and outwardly and upwardly against the cushion element adapted to form a hem, the inner and outer portions of the fabric binding strip being stitched through the liner and through the lower portion of the cushion element, and a tension element received within the hem, said hem and the tension element combined constituting a beading to contact with and on which the lower edge portion of the fireman's helmet rests.

2,000,541
HINGE AND REST
Eugene Van Note, Kearny, N. J., assignor of one-half to Max Kasson and Julius Kasson, both of New York, N. Y.
Application July 2, 1932, Serial No. 620,635
Renewed July 25, 1934
9 Claims. (Cl. 16—164)



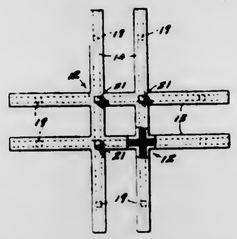
1. In combination with a door and door support, a hinge strap, means for hingedly mounting said strap at both ends, one end in said door and one end in the door support, said strap being extended at one end beyond its mounting, a hingedly mounted link on said extended portion, a rest connected with said link, said rest being adapted to move forward and backward upon the respective opening and closing of the door so as to bear upon the member adjacent said door when the door is open and be concealed when the door is closed.

2,000,542
FLUID PRESSURE CONTROL APPARATUS
Harry C. Wassen, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application May 19, 1931, Serial No. 538,447
1 Claim. (Cl. 137—157)



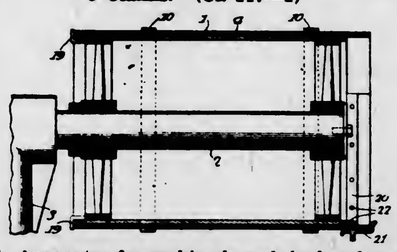
A fluid actuated device comprising an enclosure, a substantially flat diaphragm dividing said enclosure into two chambers, means for admitting pressure fluid to one of said chambers, and a plunger actuated by said diaphragm, said diaphragm comprising an inner layer of rubber and outer sheets or layers of leather, said layers being in contact with each other and secured to each other only at the peripheral edges thereof, the central portion of the diaphragm being imperforate and in loose engagement with a stop member in the fluid chamber and a plunger in the other chamber, the stop members being movable manually with respect to the enclosure to actuate the diaphragm and plunger.

2,000,543
FRAME FOR CONCRETE COLUMNS
Walter H. Wheeler, Minneapolis, Minn., assignor to Frank K. B. Wheeler, Minneapolis, Minn.
Application November 3, 1930, Serial No. 493,053
Renewed February 10, 1934
11 Claims. (Cl. 72—76)



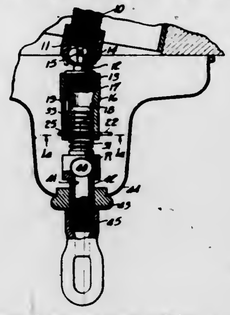
11. A device for supporting a floor slab upon a column of concrete construction comprising an integral metal frame having a central portion with a central opening extending vertically therethrough of comparatively large area, and a plurality of rigid bars integral with said frame and each having considerable height thus having great strength in shear and when acting as a beam, said bars extending outwardly from said frame into said slab and acting as cantilevers for supporting the load of said floor slab and transmitting the same directly to said column by shear stress.

2,000,544
BARREL
Thomas R. Winchell, West Newton, Mass., assignor to Northern Maine Plywood Company, Portland, Maine, a corporation of Maine
Application October 27, 1933, Serial No. 695,428
9 Claims. (Cl. 147—1)



1. Apparatus for making barrels by hand, comprising a rotary annular drum of less length than the barrel and whereon to wind a sheet of plywood into annular barrel form, with the projecting end of the barrel body open and unobscured, means on the drum to engage the top end of the barrel to position the bottom end thereof a distance beyond the end of the drum, said drum thus being adapted to permit insertion of a preformed head in the said open bottom end of the barrel, after said sheet is rolled on the drum, encircling clamps for holding the plywood in overlapping relation on the drum, adapted to be tightened thereon, whereby the said lap joint may then be permanently fastened together, said clamps being removable to permit fastening of the barrel head in the bottom end of the barrel and a support for the bottom end of the barrel, in the plane of said head, whereon the barrel is rotated during the operation of fastening the barrel head in place, said support being adjustable into and out of operative position, and being formed to engage the end edge of the barrel, thereby holding the latter against axial displacement.

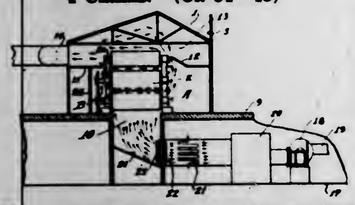
2,000,545
FIXTURE HANGER
Isidore Wolarsky, Mount Vernon, N. Y.
Application September 22, 1931, Serial No. 564,348
Renewed October 5, 1934
13 Claims. (Cl. 240—85)



1. A fixture hanger comprising a tubular supporting sleeve having a round bore, a fixture supporting rod having one end telescopically received and closely fitting within the bore, said end being provided with downwardly facing ratchet teeth forming shoulders on opposite sides of the rod, and a wire spring having inwardly pressed arms

carried in slots in the supporting sleeve and extending across the bore to engage underneath opposite shoulders so that the load carried by the rod is transferred to the sleeve by the arms of the spring subjected to shearing stresses.

2,000,546
PAPER DRYING PROCESS AND APPARATUS
John O. Woodsome, Detroit, Mich.
Application April 18, 1931, Serial No. 531,031
4 Claims. (Cl. 34—48)



1. The method of drying a continuous traveling web of paper, which comprises passing the paper web over heated surfaces in an enclosed space, continuously introducing a stream of relatively cool conditioned air into said enclosed space to travel upwardly at both sides of the traveling web, thereby inducing an outward flow of heated air and water vapor from the immediate vicinity of said heated web into the upwardly traveling stream of conditioned air for admixture therewith, and continuously withdrawing such admixture.

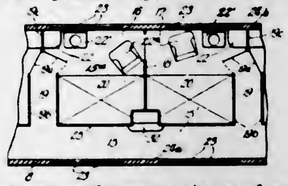
2,000,547
SLEEPING CAR
Arthur H. Woodward, Winnetka, Ill.
Application March 26, 1929, Serial No. 349,976
Renewed October 17, 1932
20 Claims. (Cl. 105—315)



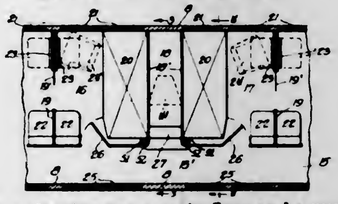
1. In a sleeping car, a main floor and a two stage upper deck, an aisle and a series of compartments on said main floor, a bed in each of said compartments, and a series of compartments on said upper deck each extending over said first named compartments and said aisle, the lower stages of said upper deck lying over said beds and the upper stages thereof lying over the open floor spaces below and said aisle, and beds disposed transversely and lengthwise of the car in said upper compartments on the upper stages of said upper deck over said open floor spaces and aisle, and adjacent to and accessible from a portion of the lower stage of said upper deck.

2,000,548
SLEEPING CAR
Arthur H. Woodward, Winnetka, Ill.
Application March 26, 1929, Serial No. 349,977
Renewed October 17, 1932
24 Claims. (Cl. 105—315)

1. In a sleeping car, a body having a main floor divided into a side aisle and a series of compartments flanking said aisle, a two-stage upper deck roofing said aisle and said compartments, a bed in each of said compartments lying lengthwise of the car, the lower stages of said upper deck lying over said beds and the upper stages thereof lying over the open floor spaces below, and lengthwise beds lying on the upper stages of said upper deck over and within the area of said aisle.



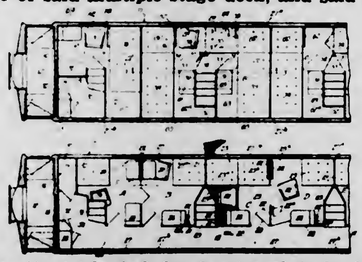
2,000,549
SLEEPING CAR
Arthur H. Woodward, Winnetka, Ill.
Application August 10, 1931, Serial No. 556,113
12 Claims. (Cl. 105—315)



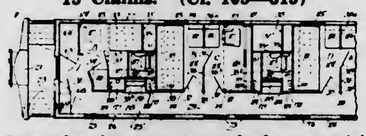
1. In a sleeping car, a main floor and a multiple stage upper deck, an aisle and a series of compartments on said main floor, and a series of compartments on said upper deck each extending over said first named compartments and said aisle, wells arranged between pairs of said compartments on said main floor, a stair in said well leading to said compartments on said upper deck, beds transverse of the car in said compartments on said main floor, the upper stage of said upper deck extending the entire width of the car, beds transverse of the car in said upper compartments on said upper stage of the upper deck over the floor spaces of the compartments on said main floor, and beds in said compartments on said upper stage of the upper deck lengthwise of the car and over said aisle, said stair wells giving access to the transverse and longitudinal beds in said upper compartments through the lower stage of said upper deck.

2,000,550
SLEEPING CAR
Arthur H. Woodward, Winnetka, Ill.
Application August 5, 1932, Serial No. 627,563
11 Claims. (Cl. 105—315)

1. In a sleeping car, a car body comprising a main floor, right and left side walls and a roof, a lengthwise dividing wall adjacent to said right side wall and defining therewith a side aisle extending along the right side of the car body, a plurality of transverse partitions extending from said lengthwise wall to the left side wall of the car body and defining a series of lower compartments, doors leading from said side aisle into said lower compartments, windows in said left side wall opening into said lower compartments, a multiple stage upper deck extending over said lower compartments, a plurality of transverse partitions extending from side wall to side wall of the car body above said upper deck and defining a series of upper compartments, each of said lower compartments having standing room space therein on lower stages of said deck, stairs leading from said side aisle to said upper compartments, windows in said left side wall opening into said upper compartments, extensible beds in a plurality of said lower compartments each comprising a fixed section, and two folding sections, all hingedly connected together and adapted, for night travel, to be extended out to a position lying lengthwise of the car adjacent to the window side of the lower compartment, said fixed section remaining under the adjacent lower stage of said multiple stage deck, and said folding sections adapted, for day travel, to be folded up to a substantially vertical position beneath said lower stage, extensible beds in a plurality of said upper compartments, each comprising a movable section adapted, for night travel, to be extended out into the standing room space of said upper compartment to form a bed lying lengthwise of the car along the left side wall of the car, and adapted, for day travel, to be disposed above an upper stage of said deck, and stationary beds in a plurality of said upper compartments extending transversely of the car and lying on upper stages of said deck.

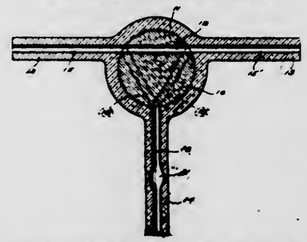


2,000,551
SLEEPING CAR
Arthur H. Woodward, Winnetka, Ill.
Application August 5, 1932, Serial No. 627,564
15 Claims. (Cl. 105—315)



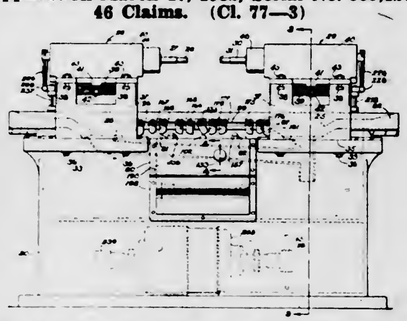
1. In a sleeping car, a car body comprising a main floor, right and left side walls and a roof, a lengthwise dividing wall adjacent to said right side wall and defining therewith a side aisle extending along the right side of the car body, a plurality of transverse partitions extending from said lengthwise wall to the left side wall of the car body and defining a series of lower compartments, doors leading from said side aisle into said lower compartments, windows, in said left side wall opening into said lower compartments, a multiple stage upper deck extending over said lower compartments, a plurality of transverse partitions extending from side wall to side wall of the car body above said upper deck and defining a series of upper compartments, each of said lower compartments having standing room space therein below the upper stages of said deck and each of said upper compartments having standing room space therein on lower stages of said deck, stairs leading from said side aisle to said upper compartments, windows in said left side wall opening into said upper compartments, extensible beds in a plurality of said lower compartments each comprising a fixed section and two folding sections all hingedly connected together and adapted to be folded out to a position extending lengthwise of the car adjacent to the window side of the lower compartment, said fixed section remaining under the adjacent lower stage of said multiple stage deck and said folding sections folding to a substantially vertical position beneath said lower stage, and beds in a plurality of said upper compartments lying on upper stages of said deck and extending transversely of the car.

2,000,552
STOP-COCK
Wladimir M. Zaikowsky, Pasadena, Calif.
Application December 26, 1930, Serial No. 504,790
3 Claims. (Cl. 251—109)



3. A three-way stop-cock including: a barrel having three arms extending from the barrel and in the same plane, forming a T, the two arms of the T forming a straight passageway that intersects the barrel at the ends of a 120° arc, and a stopper having a single, uninterrupted passageway, said passageway intercepting the periphery of the stopper at the ends of a 120° arc.

2,000,553
MACHINE TOOL
Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich., a corporation of Michigan
Application March 17, 1932, Serial No. 599,427
46 Claims. (Cl. 77—3)



28. A boring machine comprising, in combination, a base, two axially aligned spindles, means on said base rotatably supporting said spindles fixedly in spaced relation, means for driving said spindles, two fly cutting tools mounted respectively on the adjacent ends of said spindles and projecting from the periphery thereof, one of said tools describing a lesser circle of revolution than the other of said tools, a work carriage mounted on said base in part between said spindles for reciprocation longitudinally of said spindles and adapted to support work with a previously formed hole to be bored, power drive

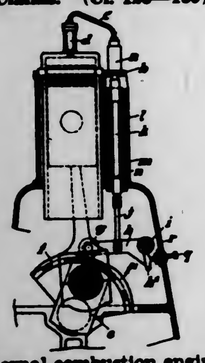
means for reciprocating said carriage, and control means for said drive means responsive to the variable movement of said carriage through a cycle comprising first successive rapid traverse and feed movements in a roughing stroke in one direction from an intermediate position between said spindles to present said hole to said one tool, then an automatic reversal, then successive rapid traverse and feed movements in a finishing stroke in the other direction past said intermediate position to present said hole to said other tool, then an automatic reversal, and finally a rapid return movement and an automatic stop in said intermediate position.

2,000,554
WINDOW SCREEN
William J. Rasch, Brooklyn, N. Y.
Application July 26, 1934, Serial No. 737,014
6 Claims. (Cl. 156—14)



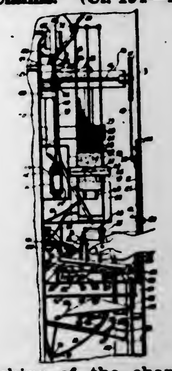
4. As a new article of manufacture, spring brackets shaped to grippingly partly engage the top rail of a lower window sash and a meshed screen yieldingly carried by said brackets of a width and length to close the gap between lower and upper window sash.

2,000,555
DRIVE FOR FUEL PUMPS FOR COMBUSTION POWER ENGINES
Heinrich Becker, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nuraberg A. G., Augsburg, Germany, a corporation of Germany
Application December 17, 1930, Serial No. 502,886
In Germany December 20, 1929
4 Claims. (Cl. 123—139)



1. In an internal combustion engine, in combination, a piston and cylinder construction, a crank shaft connected to the piston, a fuel pump having a pump plunger for supplying fuel to the cylinder, a pair of cams on the crank shaft, a cam lever pivotally supported on a fixed axis and adapted to be operated by either of said cams and operably connected to the pump plunger, and means for moving said cam lever along said axis and from one of said cams to the other.

2,000,556
AUTOMATIC DRINK VENDING MACHINE
Thomas Brady, Caldwell, N. J., assignor to Ross M. Turner, New York, N. Y.
Application September 20, 1932, Serial No. 633,942
9 Claims. (Cl. 194—13)



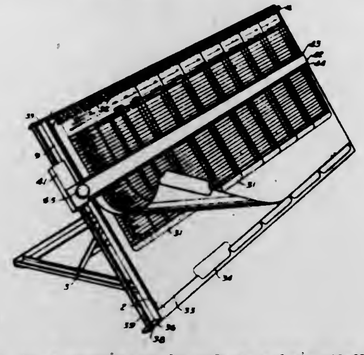
1. In a machine of the character described having a cup dispensing mechanism, a movable cup platform for receiving cups supplied from said cup dispensing mechanism, a mixed drink dispensing mechanism for feeding a mingled charge of liquids into a cup immediately after the latter reaches filling position on said platform, motive means for operating said dispensing mechanisms, a control circuit for said motive means, a switch carried by said cup platform and included in said control circuit, said switch being responsive to movements of said platform for preparing for the closure of said control circuit, means for closing said circuit, also included in said control circuit.

2,000,557
SHINGLE METHOD
Edward J. Buczkowski, Ambler, Pa., assignor, by mesne assignments, to Keasbey & Mattison Company, a corporation of Pennsylvania
Original application December 23, 1930, Serial No. 504,243. Divided and this application December 1, 1932, Serial No. 645,262
3 Claims. (Cl. 18—60)



1. The method of manufacturing decorated shingles comprising forming the shingle of asbestos-cement material in plastic form and with its surfaces preformed, positioning a sheet of molding material on a preformed face of the shingle supported on a flat surface, assembling a number of said superposed shingles and molding means and subjecting the assembly while unheated to pressure to mold the surface of each shingle in correspondence with its molding member holding said pressure during a predetermined initial set and relieving said pressure and said molding means after said initial set and then later completing the setting of said molded cement.

2,000,558
SUMMARY BOARD
George H. Dawson, Chicago, and Paul O. Unger, Glen Ellyn, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application March 16, 1933, Serial No. 661,080
10 Claims. (Cl. 120—33)



7. In a summary board, a substantially flat plate member, a flat bottomed channel member rigidly secured to said plate adjacent one edge thereof, and a ring bar adapted to fit in said channel, said ring bar provided on its bottom with means for permitting it to lie flat.

9. In a summary board, a rod roughened on a portion of its peripheral surface, a housing mounted on said rod, a line guide secured to said housing, a plurality of rollers in said housing engaging opposite sides of said rod, and a knob mounted on the outside of said housing and adapted to rotate one of said rollers within said housing, to move said housing along said rod.

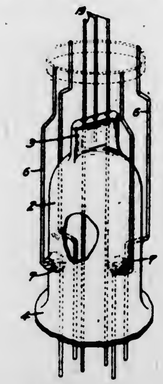
2,000,559
WETTING PREPARATIONS AND THEIR MANUFACTURE
Charles Dunbar, Middleton, and William Todd, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 22, 1932, Serial No. 618,689. In Great Britain July 6, 1931
20 Claims. (Cl. 8—20)

2. In a mercerizing process, the step which comprises adding, to a caustic mercerizing liquor, a higher fatty acid, pine oil, and at least one member of the group consisting of cresols and xylenols.

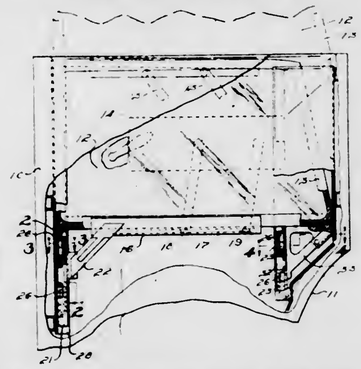
7. A wetting and penetrating composition for use in mercerizing processes which comprises a homogeneous mixture of pine oil, phenols and higher fatty acids.

2,000,560
THERMIONIC TUBE STEM MACHINE
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application December 11, 1933, Serial No. 701,754
12 Claims. (Cl. 49—2)

1. A thermionic tube stem machine comprising a rotating mandrel, adapted to axially position a pinched and flared stem with the pinch adjacent the mandrel, means for heating the stem intermediate the pinch and the flare, means rotating with said mandrel for forming a circumferential series of equally spaced protuberances which may be broken off to provide apertures in the heated area, and means attached to said mandrel for maintaining a plurality of leads in position passing through said apertures while the edges of said apertures are being fused to said leads.



2,000,561
WINDOW SUPPORT
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application October 14, 1933, Serial No. 693,535
11 Claims. (Cl. 296—48)



1. A door for a vehicle body having the lower corner thereof cut away, a window glass, a glass-guide channel mounted within the inner confines of the door having less depth at the cut-away corner and having an outer edge substantially parallel to the path of movement of the window glass.

11. A door for a vehicle body having channels at its side edges for encompassing the edges of the window glass, outwardly projecting flanges at the edges of the channels, and means carried by said window glass in engagement with said flanges to prevent the tilting movement of the window longitudinally of its plane of movement.

2,000,562
PROCESS OF REMOVING RESIN FROM SULPHITE CELLULOSE
Gustaf Englund, Stockholm, Sweden, assignor to Patentaktiebolaget Grändal Ramen, Stockholm, Sweden
No Drawing. Application November 20, 1933, Serial No. 698,573. In Sweden July 6, 1933
19 Claims. (Cl. 92—13)

1. The method of removing resin from cellulose pulp which comprises subjecting the pulp to a squeezing operation to force the resin from resin cells in which it is enclosed without causing undesirable breaking of the cell walls, and subjecting the resulting pulp to the action of a de-resining agent.

2,000,563
RADIO TUBE SOCKET
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application May 1, 1933, Serial No. 668,779
2 Claims. (Cl. 173—328)



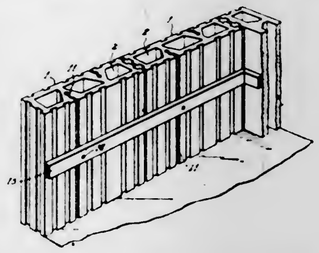
2. In combination with a cylindrical vacuum tube base having contact pins projecting from one end thereof, a socket for said base comprising a plate having a cylindrical aperture adapted to receive said base, a pair of parallel insulating bars attached to said plate, contact strips carried by said bars, each of said contact strips being folded back on itself to form an inner and outer recess, the inner recess being adapted to receive and grip a contact pin when said base is rotated, a spring-retaining pin inserted in said outer recess, a portion of the walls of the outer recess being cut away adjacent the center of said pin, and a coiled spring mounted on said spring-retaining pin in the cut-away portion of said outer recess, the ends of said spring bearing against the sides of said inner recess to increase the pressure on said contact pin.

2,000,564
WINDOW CONSTRUCTION
George H. Hovenstein, Detroit, Mich.
Application September 20, 1932, Serial No. 633,997
2 Claims. (Cl. 20—12)



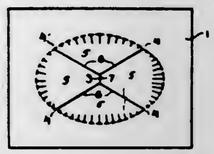
1. In a window construction, a window frame including a frame member and blind stop, the blind stop being provided with a channel adjacent the face of the frame member, a spacing member secured to the top of the frame member and extending into the channel of the blind stop, a sheet metal sash guide secured against the face of the spacing member and a removable resilient cushion member of fibrous material positioned between the sash guide and frame member and extending into the channel of the blind stop and a trim stop secured to the face of the frame member and engaging the cushion member and sash guide to maintain the same in position, said trim stop being removable to allow removal of the cushion member from between the sash guide and frame member, the removal of the cushion member allowing disengagement of the sash guide from the sash and removal of the sash.

2,000,565
TILE
Henry Jansen, Chicago, Ill., assignor of one-half to George L. Ashline, Chicago, Ill.
Application October 18, 1933, Serial No. 694,081
3 Claims. (Cl. 72—41)



1. A tile block adapted as an anchorage for securing means, a portion of said block forming the side walls of a recess opening into one face thereof, said recess being rectilinear at its outer end and non-rectilinear at its inner end, the cross-sectional dimensions of said recess being slightly less than the diameter of a nail which it is designed to receive.

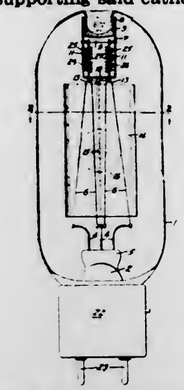
2,000,566
TOILET SEAT COVER
Ellis Lichtenstein, Woodmere, N. Y.
Application June 27, 1934, Serial No. 732,560
3 Claims. (Cl. 4—243)



1. A toilet seat cover adapted to fit smoothly over a toilet seat which comprises a sheet of paper having a plurality of radial cuts through the central portion of the sheet forming curtains, and having a plurality of T-shaped perforations arranged in an ellipse around said cuts permitting the said curtains to be dished whereby the curtains may conform to the shape of the seat.

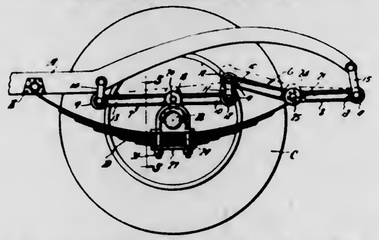
2,000,567
FILAMENT SUPPORT
Jack McCullough, San Bruno, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application June 27, 1934, Serial No. 732,643
5 Claims. (Cl. 250—27.5)

1. In combination, a thermionic tube comprising an envelope containing an electrode having a substantially planar face, a filamentary cathode occupying a plane adjacent said face, and a coil spring supporting said cathode, said spring



having oppositely wound portions of substantially equal length.

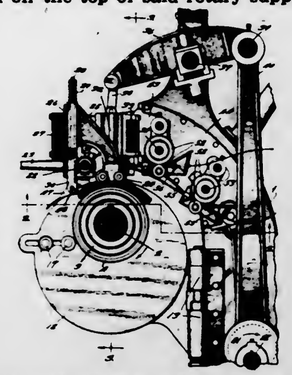
2,000,568
CHASSIS AND SPRING MOUNTING FOR MOTOR VEHICLES
Arthur Miles, New Port Richey, Fla.
Application July 2, 1934, Serial No. 733,433
3 Claims. (Cl. 267—19)



1. In combination with a vehicle chassis, axle and spring, the said spring being connected at one end to the chassis and at its center to the axle, an axle mounting link pivoted intermediate its ends on the axle and connected at one end to the chassis, a spring mounting link connected centrally to the free end of the spring and at one end connected to the chassis, and the other ends of the said links being connected together.

2,000,569
MACHINE FOR MAKING BARRELS
Walter F. Newhouse, Benton Harbor, Mich.
Application February 3, 1933, Serial No. 655,057
37 Claims. (Cl. 1—13.6)

1. In a machine for making cylindrical barrels, the combination of a rotary horizontal shaft provided with a plurality of annular rotary barrel supports adapted to receive a preliminary cylindrical barrel drum thereon, said supports being all of the same diameter, which diameter is less than the inner diameter of the barrel, means for holding the cylindrical upper wall of the barrel drum down upon said barrel supports, so that the axis of said supports is above and in the same vertical plane as the axis of the barrel, means for guiding flat hoop strips to form external hoops of uniform diameter externally of said barrel drum, mechanism for inserting staples downwardly through the hoop strips and the side walls of the barrel drum, with the points of the staples clinched on the top of said rotary supports, and



means for rotating said shaft, thereby to rotate the barrel about the longitudinal axis thereof.

2,000,570
SEPARABLE TUBE CONNECTER
Anthony A. Nina, Philadelphia, Pa., assignor to Television Laboratories, Ltd., San Francisco, Calif., a corporation of California
Application April 26, 1933, Serial No. 668,064
2 Claims. (Cl. 250—27.5)

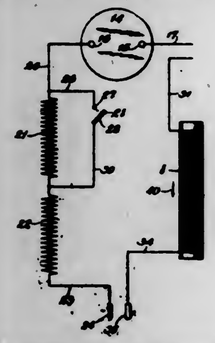


1. A connecter comprising a male member having a substantially flat insulating surface, a contact pin projecting from said surface, a boss projecting from said surface, a contact pin projecting from the end of said boss, a female member comprising a cup-shaped insulating body having a side wall and a surface adapted to contact and support said male member and apertured to receive said first mentioned contact pin, a portion of said surface and said side wall being cut away to receive said boss, and contacts mounted beneath said apertured surface to receive said contacts pins, the portion cut away for said boss being of sufficient size so as to prevent contact between said boss and said body to prevent surface leakage between said contact pins.

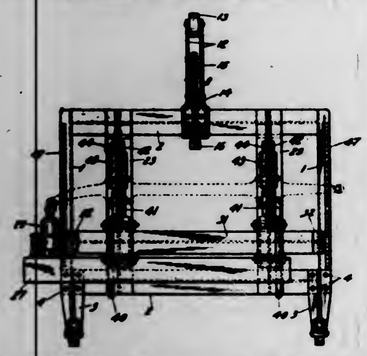
2,000,571
BATTERY RECONDITIONING APPARATUS
Alfred E. Oswald, Hackensack, N. J., assignor to Bates Laboratories, Inc., New York, N. Y., a corporation of New York
Application May 19, 1934, Serial No. 726,435
5 Claims. (Cl. 171—314)

1. In a system for conditioning relatively small light weight dry cell batteries of the type utilized

in connection with hearing aids and of the type having terminal receiving sockets, the combination of, conditioning means having spaced accessible terminals removably and operatively receivable in said sockets, said conditioning means comprising a circuit having polarity indicating means, said circuit adapted to be selectively subjected to alternating or direct current, a pair of predetermined resistances in series disposed in said circuit upon the application of direct current to said circuit, control means for shunting one of said resistances to leave the remaining resistance of said pair in said circuit preparatory to the application of alternating current to said circuit, and a rectifier disposed in said circuit, said pair of resistances and the remaining resistance of said pair having a resistance value to control the flow of current into said battery for supplying the latter with substantially the same amount of current when said circuit is subjected to alternating or direct current.

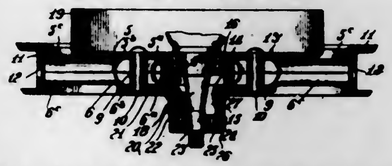


2,000,572
MECHANISM FOR OPERATING UPON AUTOMOBILE AXLES
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, Davenport, Iowa, a corporation of Iowa
Application November 10, 1932, Serial No. 641,950
14 Claims. (Cl. 153—32)



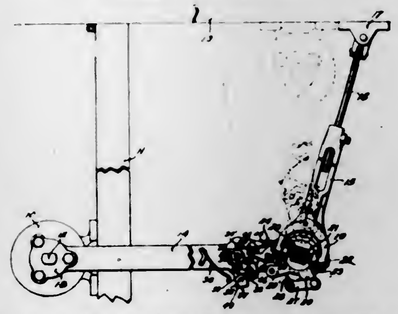
1. A structure of the character indicated comprising in combination a frame having a movable beam extending across the frame and supported to move from front to rear thereof and vice versa, said frame including flanged members, hooks engaging said flanged members and sliding on the flanges thereof, and a bar connecting said hooked members in pairs below the slidable beam and supporting said beam from the flanged members when pressure is put upon said beam tending to push it away from the flanged members.

2,000,573
METAL WHEEL
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application January 16, 1928, Serial No. 246,926
11 Claims. (Cl. 301—6)



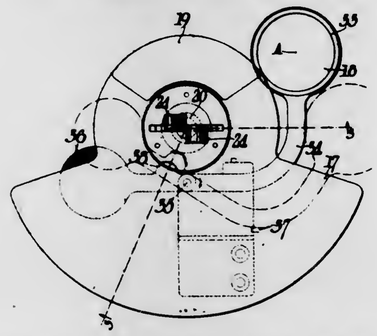
8. A wheel hub structure comprising an inner hub element having a disc portion that bears against the outer surface of a wheel and is provided with an axially disposed annular flange at its inner margin that fits closely within and bears against the inner periphery of an opening in the center of a wheel structure, an outer hub element that bears against the outer surface at the opposite side of the wheel structure and is provided with an axially disposed annular flange at its inner margin and extending outward of the wheel, bearings for said wheel mounted respectively in said flanges, and means extending through the hub elements and the wheel structure for securing the hub elements together and to the wheel structure, one of said hub elements being provided with a braking surface.

2,000,574
DOOR CONTROLLER
Arthur J. Bayley, Milwaukee, Wis.; Allen A. Bayley administrator of said Arthur J. Bayley, deceased
Application December 5, 1932, Serial No. 645,705
9 Claims. (Cl. 189—49)



1. In a door controller the combination of a door closer, door retainer mechanism, means responsive to manipulation of the door for rendering said mechanism effective to lock the door against closing, said mechanism being releasable in response to other manipulation of the door, and temperature responsive means for rendering said mechanism ineffective to thereby render said closer effective to close the door in the event of fire.

2,000,575
SAFETY SHUTTER FOR MOTION PICTURE PROJECTORS
Maurice G. Blank, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 28, 1933, Serial No. 663,119
4 Claims. (Cl. 88—19.4)



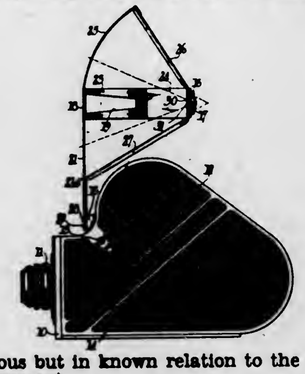
1. A safety shutter for motion picture projectors including in combination, a pivotally mounted safety shutter, a weight attached thereto to incompletely counter-balance the shutter whereby it normally moves on its pivot to an inoperative position, a governor mounted on a power driven shaft, said governor comprising weighted levers pivoted to said shaft, a cam disc mounted to slide axially of said shaft, a spring tending to move said cam disc in one direction said weighted levers being adapted to move said cam disc in an opposite direction whereby said cam may contact with said safety shutter only as the speed of the power driven shaft decreases and said cam disc may then be moved by the spring into position to engage and move the safety shutter.

2,000,576
MORDANT
Ernest R. Boller, Cleveland Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application March 1, 1934, Serial No. 713,532
7 Claims. (Cl. 41—42)

5. In a process of engraving the step comprising etching metal with a mordant comprising nitric acid and no more than about six and seventy five hundredths per cent by weight of ammonium sulfate, based on 40° Bé. nitric acid.

2,000,577
DIRECT VIEW FINDER
Joseph L. Boon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 15, 1933, Serial No. 698,113
11 Claims. (Cl. 33—64)

1. A finder for observing a moving object and for attachment to an instrument having an optical system with a definite field, comprising a rear sight provided with an opening, and a front sight provided with one opening which together with the opening in said rear sight define the definite field of the instrument, said finder also being provided with an additional opening displaced from and in predetermined relation to the opening in said front sight and which together with the opening in said rear sight defines a field extraneous but in known relation to the field of the instrument.



2,000,578
PYRIDINIUM IODIDES AND PROCESS OF PREPARING THEM
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Original application January 16, 1933, Serial No. 652,030. Divided and this application November 7, 1933, Serial No. 697,067
6 Claims. (Cl. 260—41)

4. The process which comprises condensing pyridine with a 2-iodopyridine alkyl iodide.

2,000,579
MILK TESTING DEVICE
Claude H. Carpenter and Charles M. Derby, Frewsburg, N. Y.
Application September 20, 1934, Serial No. 744,858
8 Claims. (Cl. 73—51)



8. A testing device of the character described including a tubular body having an inlet, the lower end of said body being adapted to be immersed in the liquid to be tested, a member carried by the lower end of said body, said member having an opening, a plunger within said body for drawing liquid thereinto through said inlet and for discharging it from said body through said opening, a filter element carried by said member through which the liquid passes as it is discharged from said body, a lever pivotally

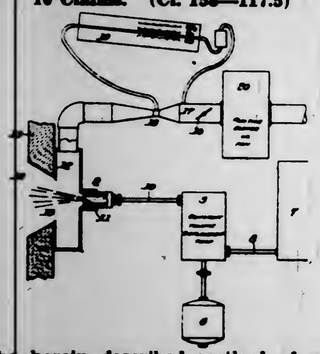
mounted upon the upper end of said body at a point which is located above the level of the liquid when the lower end of the said body is immersed as described, a rod connecting said member and said lever, said lever being movable in one direction to move said member so that said filter element may be removed and being operative upon movement in the opposite direction to return said member to its original position, said rod having a curved resilient section and being of such a length that during the initial part of the return movement of said lever said member is returned to its original position and during the final part of the return movement of said lever said curved portion is flexed and said lever engages said body, said rod passing beyond the pivotal mounting of said lever in the direction of said body as the curved portion of said rod is flexed and as said lever engages said body, thereby locking said member in said original position.

2,000,580

ART OF COMBUSTION OF LIQUID FUELS

Eben H. Carruthers, Ithaca, N. Y., assignor to United Furnace Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application May 19, 1931, Serial No. 538,453
10 Claims. (Cl. 158—117.5)



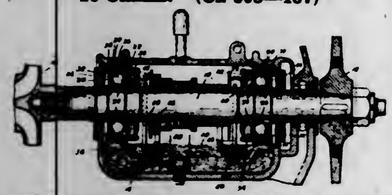
1. The herein described method of effecting combustion of a liquid fuel which consists in producing a flow of the liquid at a constant flow rate while subjected to high pressure at or above substantially 1000 pounds per square inch, atomizing said liquid by said pressure prior to its mixture with air, and then mixing air and the atomized liquid in predetermined proportions and igniting the mixture.

2,000,581

LUBRICATED BEARING

Joel S. Coffin, Jr., Englewood, and Eugene L. Scheltema, Ridgewood, N. J., assignors to C-S Engineering Company, Englewood, N. J., a corporation of Delaware

Application March 9, 1933, Serial No. 660,128
16 Claims. (Cl. 308—187)



1. The combination of a shaft and an antifriction bearing therefor having a filter in one end thereof, and means for forcibly introducing a lubricating fluid into and through said filter and into one end of the bearing and for forcibly expelling the lubricating fluid from the filter and from the other end of the bearing.

2,000,582

COMPOSITION FOR STORAGE BATTERY CONTAINERS

Edward R. Dillehay, Glen Ellyn, and Oliver O. Rieser, Oak Park, Ill., assignors to The Richardson Company, Lockland, Ohio, a corporation of Ohio

No Drawing. Application September 13, 1930, Serial No. 481,801
10 Claims. (Cl. 106—31)

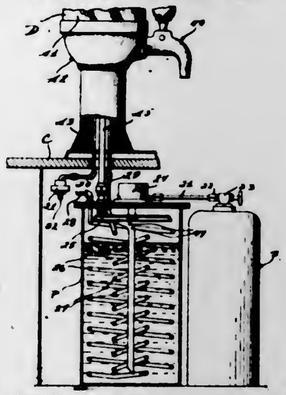
1. In a process for the manufacture of bituminous compositions, a binder forming step comprising the initial maintenance of an asphalt component at a temperature to produce a certain viscosity, and the initial maintenance of a coal tar pitch component at a different temperature, to secure the same viscosity therein, and the mixing of the components together while at the same viscosity.

2,000,583

BEVERAGE DISPENSING APPARATUS

William E. Doughty, Detroit, Mich., assignor to James Vernor Company, Detroit, Mich., a corporation of Michigan

Application March 8, 1933, Serial No. 660,047
13 Claims. (Cl. 225—21)



1. In a liquid dispensing apparatus, a display chamber, a pre-cooling chamber, a source of liquid supply, a cooling unit in said display chamber, a cooling unit in said pre-cooling chamber, means for connecting said source of supply to said pre-cooling chamber, means for conducting liquid from said pre-cooling chamber to said display chamber, and means for circulating refrigerant through said cooling units.

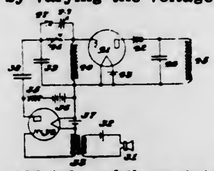
2,000,584

FREQUENCY CONTROL

Carl Fichandler, New York, N. Y.

Application October 5, 1931, Serial No. 567,120
18 Claims. (Cl. 179—171)

5. The method of modulating the frequency of an electric wave in a radio frequency circuit having resistive and reactive components which comprises reactively coupling said circuit to the plate circuit of a thermionic tube, and varying said reactive component by varying the plate resistance of the tube by varying the voltage impressed on



the grid of said tube while maintaining the resistive component of the total effective circuit impedance substantially constant.

2,000,585

ELECTROMAGNETIC IMPULSE CLOCK

Jean Fink, Waltham, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts

Application August 23, 1932, Serial No. 630,026
13 Claims. (Cl. 58—41)



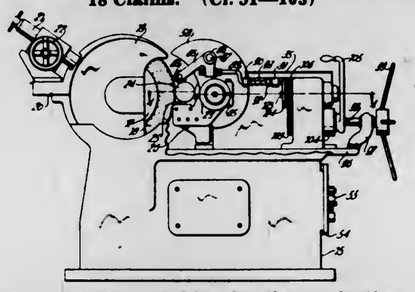
1. In a clock impeller of the character described, an electromagnet having oppositely disposed poles, an armature rotatably mounted on an axis midway between said poles and having arms of greater length than width extending oppositely from the axis, a switch carrier secured to the staff of said armature to be carried and rotated thereby, a spiral spring coiled around the axis of said armature coupled at one end to said switch carrier and anchored at its opposite end, and an enclosed mercury switch or circuit breaker mounted on said switch carrier to be tilted with rotation of the carrier and having separated terminal contacts at one end, one of said contacts being in electrical connection with the spring.

2,000,586

GRINDING MACHINE

Adolph W. Foerster, Detroit, Mich., and Clement Booth, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application September 15, 1932, Serial No. 633,326
18 Claims. (Cl. 51—103)



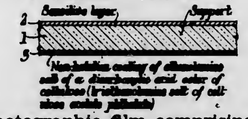
17. A grinding machine for the production of work pieces of substantially elliptical form in cross section including a rotatably mounted grinding wheel and an opposed backing member forming with the grinding wheel a grinding throat for reception of a work piece of flaring form above and below the proximate portion of the surfaces of the grinding wheel and backing member, means for maintaining the grinding wheel and backing member in substantially fixed relation, one to the other, during performance of a grinding operation on an individual work piece, and means for rotatably supporting a work piece with its periphery jointly engaging the grinding wheel and backing member, and means for effecting a definite series of sequential movements of an individual work piece toward and from the narrowing portion of the grinding throat in timed relation with the rotation of the work piece whereby a predetermined elliptical contour will be produced on the periphery of the work piece.

2,000,587

PHOTOGRAPHIC FILM

Charles R. Fordyce, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application November 18, 1933, Serial No. 698,664
9 Claims. (Cl. 95—9)



1. A photographic film comprising a cellulose derivative base, a light sensitive emulsion thereon and, upon at least one side of said film, a coating comprising a water-soluble ethanolamine salt of a dicarboxylic acid ester of cellulose.

2,000,588

CAMERA CONSTRUCTION

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application August 11, 1934, Serial No. 739,457
9 Claims. (Cl. 95—31)



1. In a camera, the combination with a body portion, of a roll holder adapted to slide into and out of the body portion for loading the camera, a rear wall on the body, an exposure frame carried by the roll holder, and a plurality of parallel film guiding ribs carried by the camera back and extending transversely of the exposure frame adapted to hold spaced areas of a film toward the exposure frame.

2,000,589

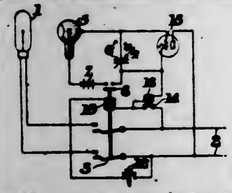
EXPOSURE CONTROL APPARATUS

Albert B. Fuller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application August 10, 1931, Serial No. 556,199
3 Claims. (Cl. 250—41.5)

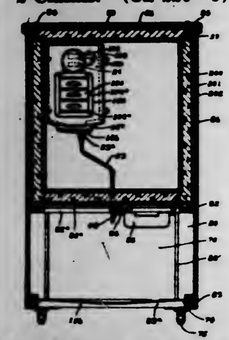
1. The combination with an electric circuit, a photographic lamp in said circuit, a switch for making and breaking said circuit, a light sensitive element the conductivity of which varies with the intensity of said lamp, a capacity in series with a battery and said element, means

for closing the battery circuit when said lamp is energized and means controlled by the charge
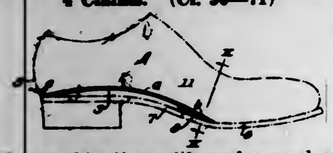


on said capacity for opening the lamp circuit, said capacity being selectively variable.

2,000,590
REFRIGERATING APPARATUS
Herbert George, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application April 30, 1929, Serial No. 359,400
2 Claims. (Cl. 220—9)



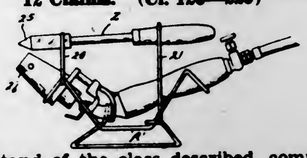
1. A refrigerator cabinet including a framework, a box-like sheet metal food compartment supported by said framework, the framework including frame pieces extending along and beyond the corners of the food compartment to form rectangular recesses on the outer surface of said compartment, a layer of bituminous cement on the outer surface of said food compartment in said recesses, a layer of compressed baked rock wool in each of said recesses with its fibres individually sized with asphaltic material, means for hermetically sealing said layers, and an outer metallic casing supported by said framework.

2,000,591
SHOE ATTACHMENT FOR ARCH SUPPORTS
George W. Grabb, Sharpsburg, Pa., assignor of one half to Ross T. Scully, Pittsburgh, Pa.
Application December 30, 1931, Serial No. 583,821
4 Claims. (Cl. 36—71)



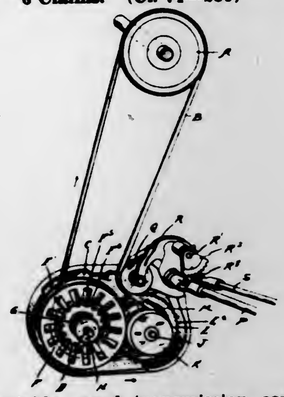
1. The combination with a shoe and a freely separable arch support having one end thereof abutting the rear wall of said shoe and the other end freely slidable therein, of an attachment therefor comprising a metal plate having an edge formed with an upturned flange and secured to the shoe immediately below the free end of the said support for receiving and sliding the same with the flange arranged adjacent a portion of the vamp.

2,000,592
SUPPORT
Eugene Greenfield and Federico J. Thibault, Detroit, Mich., assignors to Liquefied Gas Development Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1933, Serial No. 655,820
12 Claims. (Cl. 126—229)



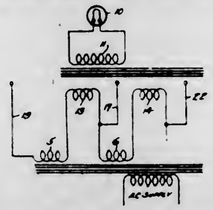
1. A stand of the class described, comprising an arched base, a cradle for receiving and supporting a blow torch extending across and secured to said base, and means projecting from the base into the cradle for holding the blow torch against accidental displacement.

2,000,593
VARIABLE SPEED TRANSMISSION
Albert Happel, Toledo, Ohio, assignor to Kent-Owens Machine Company, Toledo, Ohio, a corporation of Ohio
Application August 14, 1933, Serial No. 685,106
6 Claims. (Cl. 74—236)



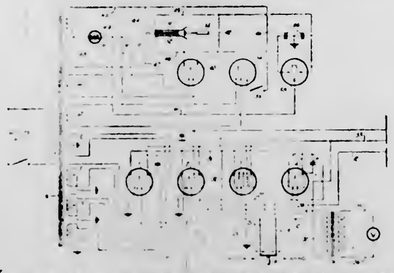
1. A variable speed transmission comprising a gear train including a planetary transmission, grooved pulleys connected to said gear train in driving relation to two members of said planetary transmission and so arranged that they rotate in a common plane, one of said pulleys being provided with opposed conical side sections located upon opposite sides of said plane and axially adjustable in relation to it and to each other, resilient means for forcing said side sections towards each other, a belt having its path of travel confined in said plane and forming a driving connection between said pulleys, and means rockably mounted in the aforesaid plane for varying the ratio of tension of said belt to said resilient means to balance the same in different positions of radial adjustment with respect to the axis of the pulley with the adjustable side sections to thereby change the ratio of said gearing.

2,000,594
TESTING DEVICE
Thomas E. Hodgkinson, San Francisco, Calif., assignor to Newton J. Hale, San Francisco, Calif.
Application July 1, 1931, Serial No. 548,082
Renewed October 22, 1934
10 Claims. (Cl. 175—183)



1. In a device of the class described, a single source of current, a series of three or more leads associated therewith, a closed indicating circuit, and means controlled by passage of current between any combination of said leads for inducing current in said indicating circuit.

2,000,595
APPARATUS FOR ELECTRICAL TESTING
Roy O. Hurd and Thomas E. Hodgkinson, San Francisco, Calif., assignors to Newton J. Hale, San Francisco, Calif.
Application July 1, 1931, Serial No. 548,069
Renewed October 16, 1934
5 Claims. (Cl. 250—27)

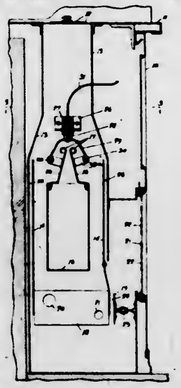


1. In a vacuum tube testing apparatus, means for audibly simulating the effect of a defective tube's operation in a radio receiving set comprising audible reproducing mechanism, means for prolonging the effect of transient impulses in a tube, comprising an oscillatory circuit cooperatively associated therewith, and means for rectifying and conveying to said mechanism oscillations produced by defects in a tube under test.

2,000,596
PREPARATION OF LACTYL CELLULOSE ESTERS
William O. Kenyon and Russel H. Van Dyke, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application December 14, 1932, Serial No. 647,213
3 Claims. (Cl. 260—101)

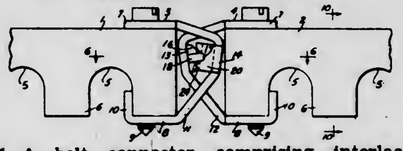
1. The process of preparing a mixed ester of cellulose which comprises submitting a cellulose ester containing a fatty acid radical, an alpha-hydroxy acid radical and a free and esterifiable hydroxyl group to the action of a dicarboxylic acid anhydride and a tertiary organic base.

2,000,597
AIR DISTRIBUTION UNIT
Robert E. Keyes, Dedham, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application January 17, 1934, Serial No. 707,000
9 Claims. (Cl. 257—8)



1. A combined heating and cooling unit comprising a cold air compartment, an injector nozzle connected with said compartment, a heater below said compartment, an opening in said unit for the reception of recirculated air, a recirculated air passage connecting with said opening, passing through said heater, around said compartment, and in injector relationship past said nozzle, and a second recirculated air passage by-passing said heater and surrounding said first air passage in the area where same passes said compartment.

2,000,598
BELT CONNECTER
Edward H. Kremer, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 17, 1934, Serial No. 706,977
18 Claims. (Cl. 24—33)



1. A belt connecter comprising interlaced clamping members having pintle members arranged therebetween, one of said pintle members having a groove, the other pintle member having a rib engaging said groove, said rib extending beyond the body of its pintle member.

2,000,599
METHOD OF STRENGTHENING STRUCTURAL MEMBERS
Arthur G. Leake, Bridgeport, Conn.
Application December 30, 1931, Serial No. 583,815
3 Claims. (Cl. 29—150)

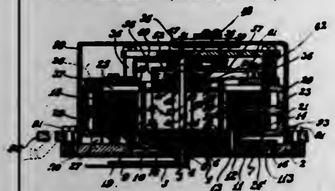
1. The method of strengthening structural members secured by rivets which comprises removing the heads of the rivets on one side of a member while the member is in position in a built up structure of structural members, placing a reinforcing plate member provided with openings with a spacing corresponding with the

spacing of the rivets against the first member over the rivet shanks, welding the plate member to the shanks through the openings by add-



ing weld metal to the shanks and the sides of the openings to build up the shanks, and welding edges of one of the members to the other member.

2,000,600
ELECTRIC CLOCK
Fritz Loeffler, Yonkers, N. Y.
Application September 25, 1930, Serial No. 484,330
Renewed October 6, 1934
27 Claims. (Cl. 185—40)



1. In a clock driving mechanism, a motor having a rotor, a load shaft and a contactor or control switch, said switch comprising a first means for initially causing the rotor to revolve through a predetermined angle, and a second means, responsive to rotation of said load shaft through a definite predetermined angle but always less than 360° for controlling said first means.

2,000,601
PRECIPITATION OF CELLULOSE ESTERS
Carl J. Malm and Charles B. Ferdyce, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application July 28, 1931, Serial No. 553,646
9 Claims. (Cl. 260—102)

1. A process of separating an acetyl-containing fatty acid ester of cellulose from the solvent in which it is dissolved which comprises introducing that solution into a precipitating bath comprising acetic acid and an ether containing an alkyl radical having from 3 to 5 carbon atoms inclusive.

2,000,602
PROCESS FOR THE FIBROUS ESTERIFICATION OF CELLULOSE
Carl J. Malm and Charles L. Fletcher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 2, 1932, Serial No. 590,509
11 Claims. (Cl. 260—101)

1. The fibrous esterification of cellulosic material in a bath containing as a catalyst, perchloric acid and a sufficient amount of an aliphatic ether having a boiling point above 70° C. to prevent solution of the ester formed therein.

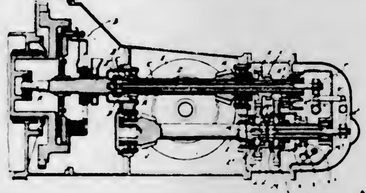
2,000,603
TREATMENT OF CELLULOSIC MATERIAL PRIOR TO ESTERIFICATION
Carl J. Malm and Charles B. Ferdyce, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 18, 1932, Serial No. 593,870
12 Claims. (Cl. 260—101)

1. The preparation of cellulose for esterification which comprises pretreating it with a bath containing liquid sulfur dioxide as the principal active pretreating agent preliminary to the application of esterifying reagents thereto.

2,000,604
MANUFACTURE OF ALKOXYACETALDEHYDES AND ALKOXYACETIC ACIDS
Carl J. Malm, Gale F. Nadeau, and Norman F. Diesel, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application September 18, 1933, Serial No. 689,894
12 Claims. (Cl. 260—116)

1. Two-stage oxidation of a lower alkyl monoether of ethylene glycol to an alkoxyacetic acid, comprising the catalytic, vapor-phase oxidation of the alkyl monoether of ethylene glycol to the corresponding alkoxyacetaldehyde and the catalytic, liquid-phase oxidation of the alkoxyacetaldehyde to the corresponding alkoxyacetic acid.

2,000,605
TRANSMISSION MECHANISM
Alfred Moorhouse, Detroit, Mich.
Application August 14, 1933, Serial No. 685,095
3 Claims. (Cl. 74—326)



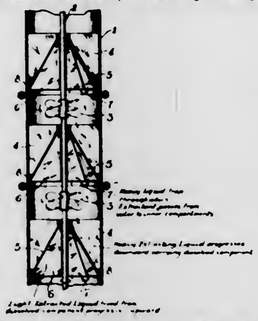
1. The combination of a pair of parallelly arranged shafts, one of which is tubular, a shaft having its axis transverse to the axes of said parallel shafts and intermediate the same, a ring gear on the latter shaft, pinions on said parallel shafts intermeshing with said ring gear on opposite sides of the axis thereof, a drive shaft passing through said tubular shaft and projecting beyond the same, variable speed gearing between the projecting portion of said drive shaft and the other of said parallel shafts for imparting thereto different angular speeds less than that of the drive shaft and means for directly clutching said drive shaft to the end of said tubular shaft opposite that carrying said pinion to transmit to the latter the same angular speed.

2,000,606
COUNTER CURRENT LIQUID EXTRACTION APPARATUS
Donald F. Othmer, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application May 27, 1930, Serial No. 456,272
3 Claims. (Cl. 23—270)

1. A counter current liquid extraction apparatus comprising a vertically disposed con-

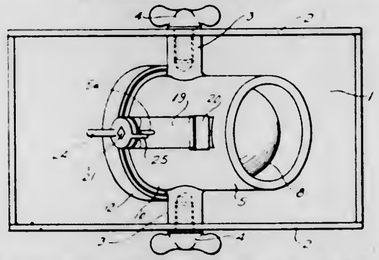
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tainer through the center of which extends a rotatable shaft to which is fixed an agitating device, and in proximity thereto fins radiating from the outer and inner surfaces of a cone, located in the container, whereby compartments



are formed, passages inter-connecting the outer compartments formed by said outwardly radiating fins, and a liquid trap permitting liquids to flow from the outer to the inner surface of the cone, and another passage from the inner to the outer surface of the cone.

2,000,607
GAS CANNON
Edward Sutton Peake, Westerville, Ohio, assignor to The Kilgore Manufacturing Company, Westerville, Ohio, a corporation of Ohio
Application May 12, 1932, Serial No. 610,751
8 Claims. (Cl. 42—55)



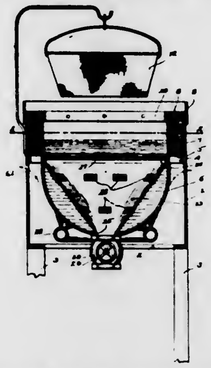
2. In combination in a gas cannon, an ammunition means comprising an ammunition storage chamber for storing an ammunition strip, means for feeding said strip and means for shearing portions of said strip and ejecting the sheared portions to the cannon.

2,000,608
GRINDING MACHINERY
Willetts Peaslee and Lester F. Nenninger, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application April 5, 1933, Serial No. 664,571
14 Claims. (Cl. 51—49)



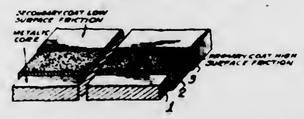
10. In a work supporting mechanism for use with machine tool organizations the combination with a bed having formed thereon guideways, of a housing or bracket having cooperating guideways mounted on the bedways, a pair of contact shoes carried by the bracket for movement relative thereto into engagement with the work, manual means for initially adjusting the positions of the shoes, power means for modifying the position of one of said shoes, means for clamping the housing to the bed, and means for translating the housing relative to the bed when un-clamped.

2,000,609
FRYING KETTLE
John C. Pitman, Saugus, Mass.
Application August 6, 1927, Serial No. 211,037
2 Claims. (Cl. 53—7)



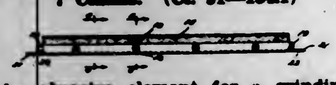
1. In a device of the character specified the combination of a kettle, means for applying heat to the bottom portion of said kettle and a funnel shaped member mounted within said kettle, the top rim of said funnel shaped member being arranged to contact loosely with the inside of the wall of the kettle, at a point substantially below the surface level of an operative charge of the cooking liquid, said funnel shaped member being provided with an upper row of holes in the upper portion thereof and with a lower row of holes in the lower restricted portion thereof.

2,000,610
PACKAGE BINDER
Howard C. Porter, La Grange Park, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application July 11, 1932, Serial No. 621,844
10 Claims. (Cl. 24—20)



1. A package-binder adapted to be tensioned about packages and made into a permanently closed loop thereabout by a folded joint between overlapping portions, comprising a flexible metallic core having a surface of high coefficient of friction, and a coating of relatively low coefficient of friction which is normally over said surface but disposable to expose said surface of high coefficient of friction in the folded joint.

2,000,611
ABRASIVE STONE HOLDER
Maurice N. Frango, Detroit, Mich.
Application March 12, 1934, Serial No. 715,238
7 Claims. (Cl. 51—134.1)



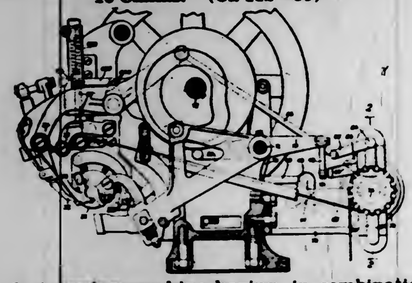
1. An abrasive element for a grinding tool comprising a channel member provided with apertures in the side flanges thereof, and an abrasive stone secured in said channel and having portions thereof projecting into said apertures.

2,000,612
WIRE BRUSH MOUNTING
Rudolph E. Radimer, Avon Lake, Ohio
Application September 4, 1934, Serial No. 742,644
2 Claims. (Cl. 15—179)



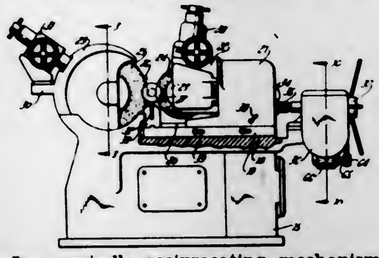
1. A brush comprising a pair of side plates, a boss on the inner side of each side plate, said boss having a central opening and an inwardly projecting circular flange around said opening, forming a bearing, a sleeve between the plates, said sleeve having inturned ends rigidly engaged with the periphery of the boss, and brush material clamped between the plates.

2,000,613
SEWING MACHINE
Fred Hicks, Harold Ernest Elliott, and Frank Coleman Chelce, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 25, 1933, Serial No. 695,140
In Great Britain November 4, 1932
16 Claims. (Cl. 112—59)



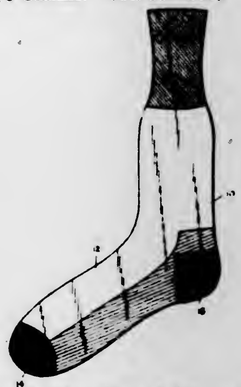
1. A sewing machine having, in combination, stitch forming devices, a thread tension wheel, a rotatable member, a spring yieldingly holding the member from rotation and tensioned by rotation of the member, and means for clutching and unclutching the tension wheel and member during each stitch forming cycle to cause the member to be rotated with the wheel against the force of the spring by a pull on the thread and to be returned independently of the wheel.

2,000,614
GRINDING MACHINE
Erwin G. Roehm, Norwood, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application November 22, 1933, Serial No. 699,203
17 Claims. (Cl. 51—103)



1. In a spindle reciprocating mechanism of the class described the combination of a housing having bearings formed therein, a spindle mounted in said bearings for rotation and axial movement relative thereto, means for effecting said axial reciprocation of the spindle, means for varying the rate of said reciprocation, and means for effecting a dwell at each end of said reciprocation.

2,000,615
HOSIERY
Chester H. Roth, New York, N. Y.
Application March 4, 1935, Serial No. 9,131
6 Claims. (Cl. 66—202)



1. A stocking comprising a leg portion of silk and a foot extremity portion consisting of a composite knit material of greater strength and durability, said knit material in the foot extremity portion consisting of knit threads of mercerized cotton and linen threads in each course in such proportions that said foot-extremity portion is substantially as soft and pliable as said leg portion.

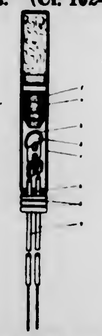
2,000,616
BRICK FACING SUPPORT
Stjepan Sarar, Detroit, Mich.
Application November 21, 1934, Serial No. 754,006
5 Claims. (Cl. 72—0.5)

1. The combination with a previously formed wall of cellular nature having a horizontal series of openings therein, of a concrete ledge extending outwardly along the outside surface of said wall, said ledge having integral projecting portions extending into said openings and uniting said ledge with said wall, reinforcing elements imbedded within the said projecting portions,



reinforcing elements imbedded within said ledge, and means uniting the reinforcing elements in the ledge with the reinforcing elements in the projecting portions.

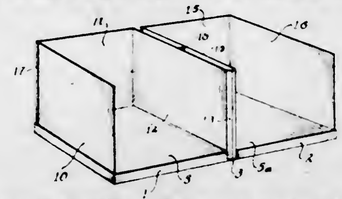
2,000,617
ELECTRIC TIME FUSE
Konrad Schaffler-Glösal, Vienna, Austria
Application February 21, 1933, Serial No. 657,780
In Austria June 17, 1932
4 Claims. (Cl. 102—10)



1. An electric time fuse comprising in combination a fuse case open at one end and closed at the other end, lead-in wires, a plug of yielding material longitudinally traversed by the said lead-in wires and adapted to form a closure of the open end of the said case without any leakage, an electrically fired match head attached to the said wires and coated exteriorly with a mixture of metal powder and an oxygen carrier, a charge of a retarding composition composed of iron particles coated with a neutral phlegmatizing substance and mixed with an oxygen carrier, a shell containing the said retarding composition closely fitting within the said fuse case and having its end nearest to the said match head taperedly reduced in thickness of wall, and a priming charge located between the outer end of the said shell and the closed end of the fuse case, substantially as and for the purpose specified.

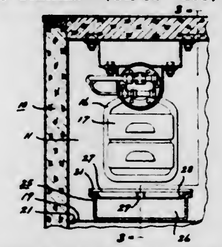
2,000,618
COLLAPSIBLE TWO-ROOM DOLL HOUSE
Carl A. Schultz, Joliet, Ill.
Application May 9, 1934, Serial No. 724,657
3 Claims. (Cl. 46—37)

1. A collapsible doll house consisting of a plurality of hinged wall members which can be folded against each other, a box container having a hinged cover, said container when open being employed as a base for the said doll house, two floor members in said container sections, upright supporting members hinged at the ends of each of the said floor members, a spacing member hinged on said floor members, a vertical spacing member hinged on the side of one of the center walls to be wedged against the opposite center



wall thereby making the entire structure rigid, substantially as described.

2,000,619
REFRIGERATING APPARATUS
Sylvester M. Schweller, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application April 25, 1932, Serial No. 607,327
9 Claims. (Cl. 62—103)



7. The combination with a refrigerator cabinet including a compartment having a cooling unit of a refrigerating system disposed therein, a substantially closed container disposed below and in spaced relation to said cooling unit within the refrigerator compartment, a flange extending upwardly from the top of said closed container providing a receptacle for receiving drip water from said cooling unit, conduit means for conducting the drip water from said receptacle to said container, and said container being removable from said refrigerator compartment while said cooling unit is positioned therein.

2,000,620
HYDROLYSIS OF CELLULOSE ESTERS
Cyril J. Staud and Louis M. Minsk, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 17, 1932, Serial No. 593,684
20 Claims. (Cl. 260—102)

1. The hydrolysis of an organic ester of cellulose in a hydrolyzing bath essentially consisting of a phenol and a basic nitrogen compound.

2,000,621
PROPIONATION OF CELLULOSIC MATERIAL
Cyril J. Staud and Russel H. Van Dyke, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application January 14, 1933, Serial No. 651,856
8 Claims. (Cl. 260—101)

1. The process of preparing a propionyl-containing ester of cellulose which comprises propionating cellulosic material in a bath contain-

ing propionyl groups and an impelling anhydride in the presence of a catalyst consisting of sulfur dioxide and an oxide of nitrogen of which the oxygen constitutes more than 50% by weight of the compound.

2,000,622
CELLULOSE ACETATE COMPOSITION COMPRISING A TERTIARY ALCOHOL
Ernest E. Taylor, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 2, 1932, Serial No. 590,510
2 Claims. (Cl. 106—40)

1. A composition of matter comprising cellulose acetate dissolved in a solvent consisting of propylene chloride and a substantial proportion of a tertiary alcohol containing less than 6 carbon atoms.

2,000,623
APPARATUS FOR MOLDING CERAMIC STRUCTURES
William Taylor, Toronto, Ontario, Canada, assignor to James M. Teahan, Detroit, Mich.
Application July 20, 1931, Serial No. 551,987
4 Claims. (Cl. 25—129)



1. An apparatus for molding clay comprising porous mold sections cooperating to define a predetermined mold cavity corresponding to the external surface of the article to be molded, a core formed of non-porous non-absorbent material located within said mold cavity and a guide for positioning said core imbedded in one of said mold sections.

2,000,624
CHAIR
Harry G. Traver, Beaver Falls, Pa.
Application October 25, 1932, Serial No. 639,415
9 Claims. (Cl. 155—53)



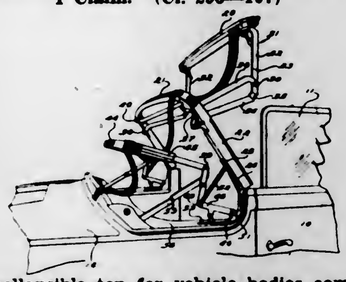
1. In a chair, a pair of members of resilient material and of ogee form, means connected intermediate the ends of and supporting said members with one end portion of said members extending upward and the other end portion curved downwardly to serve as arm rests, bars connected to the opposite ends of and spacing said members, and a flexible unitary seat and back rest suspended from the bars.

2,000,625
MEASURING INSTRUMENT
John F. Vaughan, Belmont, Mass.
Application May 16, 1934, Serial No. 725,925
8 Claims. (Cl. 33—141)



1. A measuring instrument for making measurements on maps and the like, comprising a supporting frame, a flexible, endless measuring band, the frame and band being provided with cooperating indicating devices, rotatable means carried by the frame for supporting the band, said means including a rotatable guide having a band-guiding face on its periphery to guide the band, with the outer face thereof extending beyond the periphery of the guide to permit the band to be applied to the map along the path to the barrel pointing to the front. The instrument be measured, thereby to cause movement of the band with respect to the frame to indicate the distance measured.

2,000,626
VEHICLE BODY AND TOP CONSTRUCTION
John Votypka, Detroit, Mich., assignor to Lebaron Detroit Company, Detroit, Mich., a corporation of Michigan
Application April 28, 1930, Serial No. 448,015
1 Claim. (Cl. 296—107)



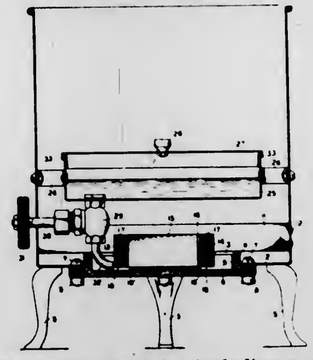
A collapsible top for vehicle bodies comprising a top supporting bow normally arranged in an upright position and having the ends of the vertical leg portions thereof pivotally connected to opposite sides of the body, a second top supporting bow also carried by the body and

positioned rearwardly from the bow aforesaid, means connecting the second bow to opposite sides of the body including links having their adjacent ends pivotally connected together and having their opposite ends respectively pivotally connected to the free ends of the bow and to the body, said links normally being in alignment with the free end portions of the bow to form extensions of the latter and being of sufficient length to permit collapsing the bow into a space of substantially smaller area than the area normally defined by the bow and links, a lever having the rear end pivotally connected to the lowermost link forming a part of the second-mentioned bow and having the forward end pivotally connected to the first-mentioned bow, a second lever having the forward end pivotally connected to the link adjacent the lowermost link aforesaid and having the rear end thereof pivotally connected to the body whereby collapsing of the first-mentioned bow automatically effects a folding of the links forming a part of the second-mentioned bow.

2,000,627
PROCESS FOR SIMULTANEOUSLY PRODUCING PHOSPHORIC ACID AND SILICON ALLOYS
Marvin J. Udy, Anniston, Ala., assignor to Swann Research, Incorporated, a corporation of Alabama
No Drawing. Application April 28, 1932, Serial No. 608,131
1 Claim. (Cl. 23—165)

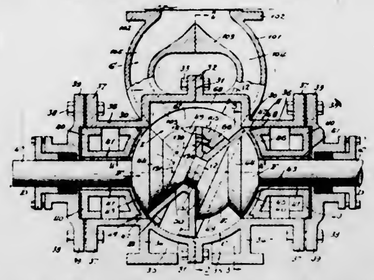
The process which consists in smelting a calcium containing phosphatic ore, a manganese ore and silica together with sufficient carbonaceous material to reduce both said phosphatic ore and said manganese ore and a part of said silica to silicon, whereby a manganese-silicon alloy is formed from said reduced portion of said silica, and combining said unreduced silica with the calcium contained in the phosphatic ore to produce therewith a fusible slag, and simultaneously recovering phosphorus therefrom.

2,000,628
ELECTRIC STEAMING APPARATUS
Lewis E. White, San Francisco, Calif., assignor to Harry L. Worthington, San Francisco, Calif.
Application July 16, 1932, Serial No. 622,875
4 Claims. (Cl. 219—40)



1. A steaming apparatus including a casing; a dielectric water pan in said casing; a pair of electrodes consisting of a plurality of grids horizontally spaced from each other and in juxtaposition to said water pan; an annular bead on said water pan beneath said electrodes; and means for introducing water into said pan around said bead.

2,000,629
FLUID ACTUATOR
Alois Wicha, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y., a corporation of New York
Application November 7, 1933, Serial No. 696,944
19 Claims. (Cl. 103—133)

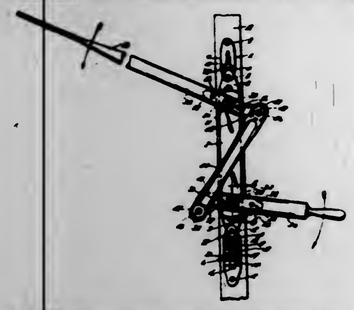


1. In a fluid pumping device, a casing having interior relatively rotating side walls and a spherical side peripheral wall connecting said side walls, an impeller piston disc, the periphery of which is in close adjuxtaposition to and substantially spaced from the spherical side peripheral wall and oscillates vertically and horizontally with an oscillating movement between said side walls and about the center point of said casing, a shaft passing into said casing to rotate said side walls having an eccentric cam member actuating said impeller disc and a pivotally connected guide fitting in a slot in said disc preventing rotation of said disc, the axes of said shaft and said pivotally connected guide intersecting at said center point, the periphery of said impeller being located in close adjuxtaposition to said spherical peripheral wall but being spaced therefrom sufficiently to avoid frictional and supporting contact, said adjuxtaposition surfaces being maintained in parallelism but substantially separated from each other throughout operation, the inlet and outlet ports intersecting said spherical peripheral wall and being controlled by the lateral oscillation of the edge of the impeller between the side walls of the casing, the sides of said impeller being smooth and continuous and devoid of projections and embossments and said side walls of said casing being provided with recesses to receive the sides of said disc, the sides of said disc having spaced surface conformations with said recesses in said side walls on opposite sides of the center point of the casing.

2,000,630
BOW FACING OAR
Sion H. Williams, Hornbeak, Tenn.
Application August 30, 1933, Serial No. 687,435
1 Claim. (Cl. 9—25)

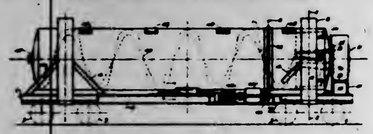
In a device of the kind described an elongated carrier bar having at its ends offset and aligned bearing cones, a fixed bearing having a conical socket to receive one of the bearing cones, an adjustable bearing having a conical socket to receive the other bearing cone, the said carrier bar having conical sockets adjacent each end thereof, a handle arm having a bearing cone rotatably seated in one of the sockets of the carrier bar and having a conical socket at its inner end, a handle secured to the inner end of the handle arm, an oar arm having a bearing cone rotatably seated in the other socket of the carrier bar, and having a conical socket at its outer end,

an oar secured to the outer end of the oar arm, a connecting bar having at its ends, bearing cones rotatably seated in the sockets at the inner end of the handle arm and the outer end of the oar



arm respectively, and take-up means for rotatably anchoring the several bearing cones within their respective sockets, whereby wear of the joints of the assembly may be taken up and rattle of parts eliminated.

2,000,631
CAR
Charles E. Windecker, Paineeville, Ohio
Application May 12, 1932, Serial No. 610,885
11 Claims. (Cl. 214—83)



1. A car for transporting dry granular and pulverized materials comprising in combination, an elongated, weather-tight compartment mounted with its major dimension horizontal and longitudinal, a discharge hopper at the end of said compartment, and conveyor means inside said compartment for moving all the materials in said car to said hopper.

2,000,632
SUPPORT FOR DROOPING PLANTS
Charles Ziegra, Webster Groves, Mo., assignor to John S. Ziegelmeyer, St. Louis, Mo.
Application June 22, 1934, Serial No. 731,843
4 Claims. (Cl. 47—47)



1. A plant support comprising a split ring having each end provided with a loop which slidably engages the ring near the opposite end thereof, means on said ring for engaging said looped ends and holding them against accidental displacement whereby said ring can be adjusted to different diameters, and a plurality of legs having their upper ends pivotally mounted on said ring and adapted to have their lower ends driven into the ground for supporting said ring.

2,000,633
GARMENT
Samuel J. Dichter, Chicago, Ill., assignor to Martha Maid Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1934, Serial No. 737,618
2 Claims. (Cl. 2—73)



1. In a slip, a skirt, and a bodice portion; said bodice portion including a front panel and a rear panel having a curved front edge extending upwardly and forwardly from the waist line of the garment over the bust of the same; said edge being sewed to the said front panel and having its maximum curvature approximately midway between the waistline and the armpit opening of the garment; the said curved edge tending to straighten out, when the garment is in use, into a substantially vertical or straight side seam so as to place the said panel under stress and thereby cause the same to fit tightly to the body of the wearer throughout that area of the garment through which said curved front edge extends.

2,000,634
METHOD OF MITERING SHEET MATERIAL
Clarence J. Du Brul, Cincinnati, Ohio
Application June 13, 1934, Serial No. 730,499
5 Claims. (Cl. 93—58)

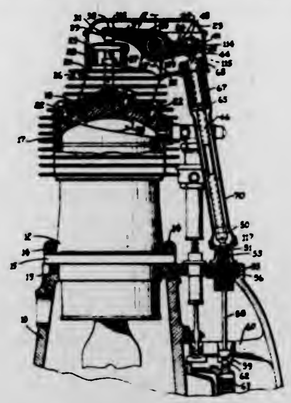


1. The process of making a mitered corner in sheet material of the nature of cardboard, which comprises cutting a slot nearly through the sheet, bending the material at the slot in the direction to open the slot, removing the projecting shoulders along the slot, and bending the sheet in the reverse direction to bring together the surfaces formed by the removal of said shoulders.

2,000,635
INTERNAL COMBUSTION ENGINE
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1931, Serial No. 580,971
8 Claims. (Cl. 184—6)

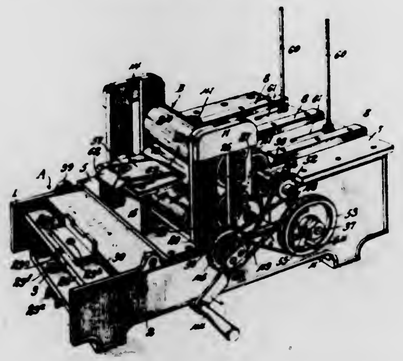
1. In an internal combustion engine, the combination with a valve, of a push rod, a rocker

engaging and operatively connecting said valve and push rod, bearing means including anti-friction rollers for pivotally supporting said rocker, and a mounting for said bearing means, said rocker being formed with lubricant channels hav-



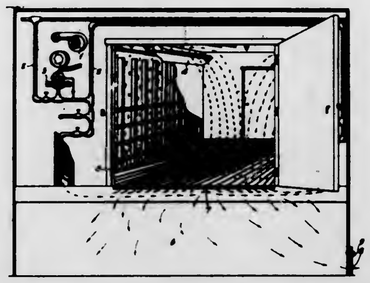
ing uninterrupted communication with said valve and push rod, said mounting having a supply passage for lubricant therein communicating with said channels and having relatively restricted communication with said bearing means.

2,000,636
SHEET FOLDING MECHANISM
Robert C. Flynt, Winston-Salem, N. C., assignor of two-fifths to Forrest G. Miles, Winston-Salem, N. C.
Application July 20, 1934, Serial No. 736,239
12 Claims. (Cl. 270—68)



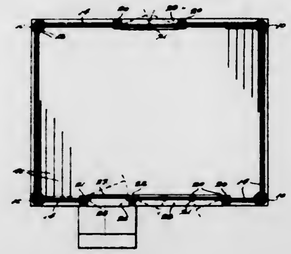
1. In sheet folding mechanism, the combination of an element for forming folds and feeding a folded sheet; a roller for effecting commencement of a fold in a sheet and delivering said sheet to said fold-forming and feeding element; a common driving means for said fold-forming and feeding element and said roller; and driving connections between said driving means and said roller including an over running drive device, said driving connections being such as at all times to provide uninterrupted driving connection except for said over running drive device.

2,000,637
FRUIT COLORING ROOM
Hugh B. Hatch, Dunedin, Fla., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 26, 1932, Serial No. 607,648
5 Claims. (Cl. 99—2)



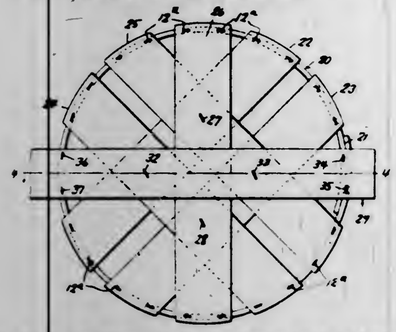
1. An apparatus for coloring fruit or the like comprising a room substantially closed on the sides and top, a slatted floor for said room, a subspace under said room for the escape of air and gases from the coloring room, said sub-space having a cubical capacity of substantially 15 per cent of the capacity of said coloring room, with blower means for projecting circulating treating medium into said coloring room near the top thereof to produce a downward movement of air therein to said sub-space.

2,000,638
CABIN CONSTRUCTION
Raymond A. Hollingsworth and Bjarne H. Moe, Seattle, Wash.
Application December 14, 1931, Serial No. 580,906
3 Claims. (Cl. 20—2)



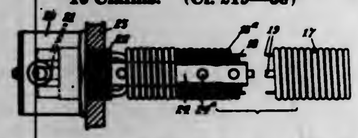
1. Side wall construction for a portable cabin comprising, in combination with a foundation including horizontal beams, stud posts seating over said beams, said beams and stud posts being connected by vertical dowel pins in affording swivel action of the stud posts for aligning the several stud posts, one as respects another, said posts being solid and having dove-tail grooves cut into the same to extend vertically throughout the length of the posts, and siding extending between the successive posts, said siding having a tongue-and-groove connection between the lateral edges thereof and being provided at the respective ends with vertical dove-tail tongues, the siding being introduced in the formation of the cabin walls by slidably inserting the dove-tail tongues into the post grooves from the upper ends of the posts.

2,000,639
LID FOR BASKETS
Stinson Huston and Robert E. Huston, Trinity, Tex.
Application May 22, 1934, Serial No. 727,002
9 Claims. (Cl. 217—124)



1. In a flexible cover for fruit and vegetable baskets of the character described, a rim, cross slats fastened across and to the upper edge of the rim, and a main slat secured to and upon the said upper edge of the rim and having end portions extending radially outwardly of the rim at diametrically opposite sides thereof, and said main slat being composed of at least two plies, one of said plies overlying said cross pieces and the remaining one of said plies underlying said cross pieces, and means securing the respective cross slats and plies together.

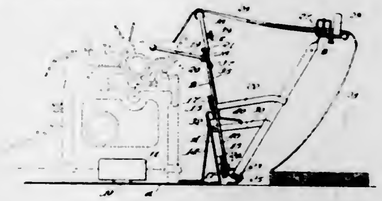
2,000,640
ELECTRIC HEATER
Robert Alfred Frederick Jackson, Glasgow, and Andrew Victor Wilson, Motherwell, Scotland, assignors to The J. P. Tubular Heater Company Limited, Mossend, Lanarkshire, Scotland
Application April 6, 1934, Serial No. 719,392
In Great Britain April 19, 1933
10 Claims. (Cl. 219—38)



1. An electric heater for fluids, a terminal base, the tubular formation of a sheathed heating element mounted upon the base, said tubular formation being deformable, means extending within said tubular formation for stiffening said tubular formation at or adjacent the base while allowing the remainder of the tubular formation to be deformed, said means also allowing circulation of the fluid therethrough into the tubular formation.

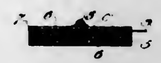
2,000,641
TYPEWRITER ATTACHMENT
Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1934, Serial No. 737,659
6 Claims. (Cl. 197—126)

1. In combination in a duplicating machine equipped with a platen over which stationery strips interleaved with carbon-strips may be drawn; a forwardly movable carbon-holder disposed in rear of said platen; means for latching said holder in retracted position; and release-means operable by downward pressure of the



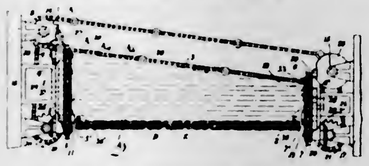
strips, for actuating the latching means to permit forward movement of the carbon-holder.

2,000,642
PHOTOELECTRIC DEVICE
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application July 14, 1932, Serial No. 622,531
5 Claims. (Cl. 136—89)



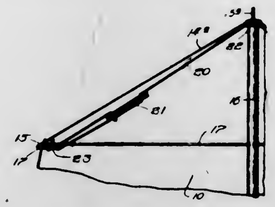
1. A photoelectric device of the voltage-change type comprising a base of insulating material having recesses in one face thereof, a current-generating photoelectric cell snugly received within each of said recesses, each of said cells being of disk form and comprising a layer of actinoelectric material between a back electrode and an upper light-transmitting electrode, conducting strips connecting said cells in cascade, each strip having an end extending to the bottom of one recess and an opposite end overlying the upper electrode of a cell in an adjacent recess, a glass plate overlying said cells and connecting strips, and means clamping said plate to said base to retain said strips in electrical contact with the several cells.

2,000,643
APPARATUS FOR SUPPLYING FIBROUS MATERIAL FOR INCORPORATION IN FABRICS
James Morton, Carlisle, Cumberland, England
Application March 27, 1934, Serial No. 717,675
In Great Britain April 1, 1933
22 Claims. (Cl. 66—85)



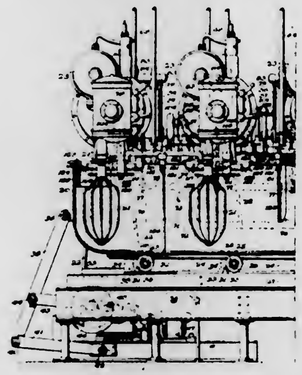
1. Apparatus for supplying fibrous material in stretches comprising co-acting flexible members movable in divergent paths, means for leading the fibrous material to said members, means on said members for engaging said material, and means for moving said members along their respective paths so that their material-engaging means engage the material, draw it out in stretches and feed the stretches to and discharge them at a delivery zone.

2,000,644
TENT
Frank M. Powers, Chicago, Ill., assignor of one-third to Thomas C. Powers and one-third to David W. Powers, both of Chicago, Ill.
Application August 1, 1934, Serial No. 738,004
9 Claims. (Cl. 135—1)



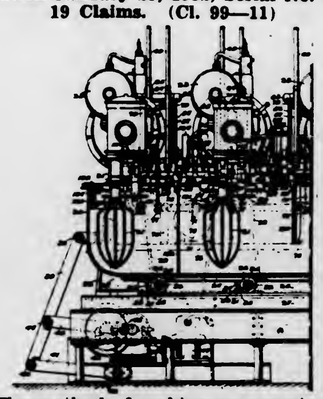
1. A tent, including; a plurality of side walls; a top having a plurality of faces with their lower edges joined to the upper edges of the side walls; a pole for the top; a frame inside of the tent, including a bar adjacent the junction of each side wall and top face with means for connecting the ends of said bars together; and means for supporting said frame, said means including tension members extending from the top of the pole to said frame.

2,000,645
APPARATUS FOR PREPARING FOOD PRODUCTS
Thomas M. Rector, Rutherford, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Application October 30, 1930, Serial No. 492,295
22 Claims. (Cl. 259—93)



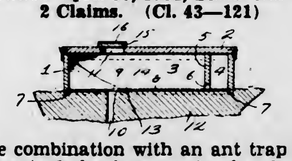
1. Emulsifying apparatus for the continuous manufacture of mayonnaise comprising in combination a container, a beating unit comprising a plurality of beating elements operating in said container, means for feeding starting materials into said container, means for discharging said materials continuously therefrom, means for reciprocating said container relative to said beating unit, said relative movement being effective to feed said materials from said supplying means to said discharging means, and means for adding additional materials to said container at spaced points between said feeding and discharging means.

2,000,646
METHOD OF PREPARING FOOD PRODUCTS
Thomas M. Rector, Rutherford, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Application January 25, 1932, Serial No. 588,753
19 Claims. (Cl. 99—11)



19. The method of making mayonnaise which consists in preparing a flowable mixture containing only egg yolk, spices and water, continuously feeding said mixture and a vegetable oil at predetermined rates to an emulsifying apparatus to form a thick stable emulsion, and continuously diluting the pre-formed emulsion with vinegar.

2,000,647
ANT TRAP
Clayton O. Rudd and Oscar C. Rudd, Phoenix, Ariz.
Application April 30, 1934, Serial No. 723,258
2 Claims. (Cl. 43—121)

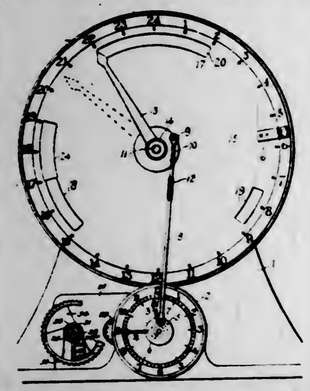


1. The combination with an ant trap comprising a receptacle having a main chamber and an auxiliary chamber with a passage of communication between said chamber and through which dead ants are dragged by live ants from an entrance passage to the main chamber, said entrance passage being in the bottom of the main chamber and adapted to register with the passage of an ant nest, of a poison receiving groove in the bottom of the receptacle and surrounding the entrance thereto and positioned whereby ants passing into the main chamber of the passage thereof and to the auxiliary chamber and vice versa will be compelled to cross said poison receiving groove surrounding the entrance passage to the main chamber.

2,000,648
ELECTRIC SWITCH MECHANISM
Abraham J. Shekter, Jamaica, N. Y.
Application April 27, 1932, Serial No. 607,831
4 Claims. (Cl. 200—36)

1. In a back and forth operating electric switch mechanism, a clock, in combination with a member revolved by the clock, a connecting rod pivotally attached to the said member at one end and having a reciprocating movement, an insulating plate, a revoluble shaft passing through

the plate, a metal plate arranged beneath said insulating plate, said shaft being insulated from the metal plate, a switch carrying device secured to the shaft and revoluble therewith upon said insulating plate, the remaining end of said connecting rod being pivotally connected with the said device, a conducting switch arm movably



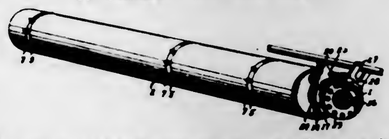
engaging said shaft, a thumb nut for securing and releasing said switch arm upon said switch carrying device, the said insulating plate having an opening in the path of the end of said switch arm whereby contact may be made through the insulating plate with the metal plate, and conductors connected with the metal plate and with the said shaft.

2,000,649
PIN FEED PLATEN ROLL
John Q. Sherman, Dayton, Ohio, assignor to The Standard Register Company
Application June 8, 1931, Serial No. 542,855
25 Claims. (Cl. 197—133)



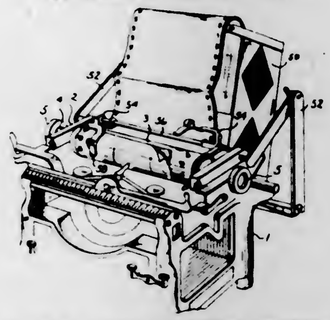
1. The combination with a platen roll for a writing machine wherein the record material provided with apertures is fed circumferentially about the roll, of a series of reciprocatory pins mounted radially in said roll and means for automatically projecting the pins beyond the periphery of the roll and positively retracting the pins successively as the roll rotates whereby the pins enter the apertures in a direction coincident with the radius of curvature of the record material.

2,000,650
MULTIPIN WHEEL PLATEN
John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman
Application April 22, 1933, Serial No. 667,424
27 Claims. (Cl. 197—129)



1. Paper feeding means for a writing machine, including a plurality of relatively spaced, concentrically disposed pin wheel units, each including a revoluble body, a series of radially disposed reciprocatory paper engaging pins carried thereby, a cam about which the pins travel during rotation of the body, said cam being rotatively adjustable independently of said body, and detent means for locking the several cams in their adjusted positions.

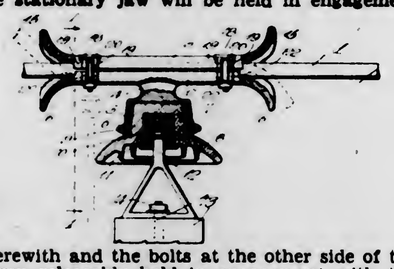
2,000,651
PIN FEED PLATEN ROLL
John Q. Sherman, Dayton, Ohio
Application December 7, 1933, Serial No. 701,307
In Great Britain July 22, 1933
64 Claims. (Cl. 197—133)



1. A platen roll for a writing machine, a plurality of retractable feeding and aligning pins carried by the roll, means for progressively extending and retracting the pins responsive to the rotation of the roll, and means for shifting the position of greatest projection of the pins circumferentially of the roll.

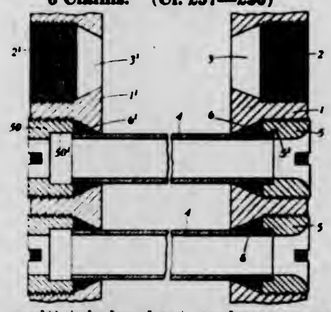
2,000,652
HOT LINE CLAMP AND INSULATOR
De Forrest E. Snyder, Hazleton, Pa.
Application September 8, 1933, Serial No. 688,654
4 Claims. (Cl. 173—313)

1. In a hot line clamp, an elongated stationary jaw, an elongated movable jaw disposed above and in substantially parallel relation to said stationary jaw, sets of ears projecting from opposite sides of said jaws, the ears of the movable jaw being connected in pairs by bridges and formed with seats back of the bridges, T-bolts extending between the pairs of ears back of said bridges with their cross heads resting in said seats, said bolts extending between ears of the stationary jaw, the ears at one side of the stationary jaw being bridged and the ears at its other side being unbridged and having downwardly extending lips at their outer ends whereby bolts extending between the bridged ears of the stationary jaw will be held in engagement



therewith and the bolts at the other side of the clamp releasably held in engagement with the ears having lips.

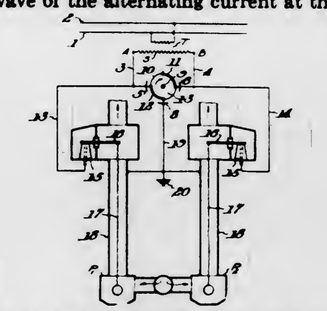
2,000,653
HEAT EXCHANGE APPARATUS
Francis Clarence Walter Wilkinson, Burnham, England, assignor of one-half to Crane Packing Limited, Slough, England, a British company, and one-half to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1933, Serial No. 703,479
In Great Britain December 21, 1932
6 Claims. (Cl. 257—236)



1. A multi-tubular heat exchange apparatus comprising a front tube sheet, a rear tube sheet, and tubes extending between and fitting at their ends into apertures in said sheets, each of said apertures having a cylindrical portion and a frusto-conical portion, a ferrule engageable in each cylindrical portion of an aperture, and a band slidably fitting over the tube and externally coned to fit against said frusto-conical portion of the aperture, the band on the front end of the tube being longer than the band on the rear end of the tube, whereby said tube may slide through said rear band, upon expansion or contraction of said tube, due to temperature changes.

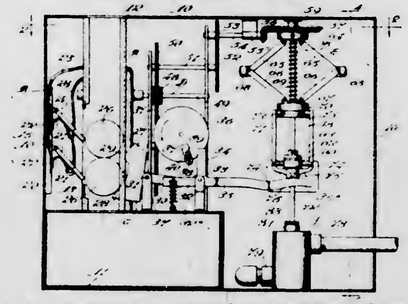
2,000,654
ELECTRICAL TREATMENT OF FLUIDS
Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application December 17, 1932, Serial No. 647,823
23 Claims. (Cl. 183—7)

1. A system for energizing a plurality of electrical precipitator units each consisting of at least one discharge electrode and complementary collecting electrode, comprising a transformer adapted to supply high voltage alternating current, electrical connections from the high potential terminals of said transformer to the electrodes of said units, said connections including energy directing devices adapted to pass each half wave of the alternating current at the same



polarity and at substantially the full potential of the transformer successively to the electrodes of alternate groups of electrical precipitator units.

2,000,655
GAS-TIME METER
Fred E. Wood, Glen Ellyn, Ill.
Application August 8, 1932, Serial No. 627,981
14 Claims. (Cl. 194—13)



1. In automatic control apparatus, driving mechanism, coin-controlled means for starting said mechanism, coin-release means, means driven by said driving mechanism for actuating said coin-release means to release a coin after a predetermined period, and control means actuated by said driving mechanism and adapted to release a coin on the stopping of said driving mechanism.

2,000,656
PROCESS FOR FLOATING URANIUM ORES PARTICULARLY CARNOTITE
Harry Howard Armstrong and Arthur Burley Menefee, Los Angeles, Calif.
No Drawing. Application January 30, 1933, Serial No. 654,238
17 Claims. (Cl. 209—166)

1. The process of floating uranium ores which comprises pulping a uranium ore, adjusting the pH of the pulp to nearly 7 to 8, contacting the pulp with a dilute alkali soap solution and then subjecting said pulp to flotation procedure in the presence of a water-soluble lead salt.

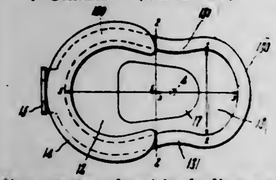
2,000,657
CARD INDEX
John Austin Best, Augusta, Ga.
Application June 27, 1933, Serial No. 677,901
8 Claims. (Cl. 129—16)

4. An index including spaced apart supports, and cards having slots in the lower edge thereof

receiving said supports in all indexed positions including spaced apart groups of similarly related slots, each group including certain slots deeper than others.

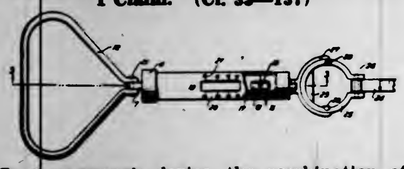


2,000,658
WATER CLOSET
Fred G. Bushold, Lawrence, Mass.
Application January 2, 1935, Serial No. 50
7 Claims. (Cl. 4—98)



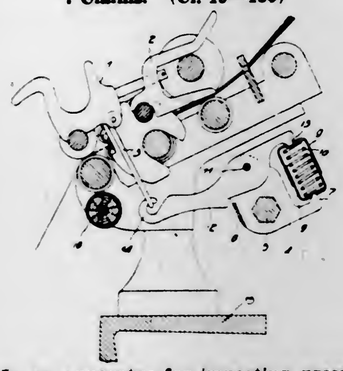
1. A sanitary water closet including a rear evacuating portion, and a basin portion projecting forward therefrom; combined with a bifurcated seat mounted in position to support a person over said rear portion; said basin portion being formed to extend between and project forward from the legs of a user, said bowl having a continuous substantially horizontal oblong receiving mouth defining the upper margin of both portions, the seat being substantially co-extensive with the margin of said rear portion, the basin portion being formed to receive urine projected forwardly from a point between the ends of the seat, and matter projected downwardly from the mouth of a user, without permitting contact of such projected matter with the occupant's legs and clothing, and escape thereof outside the bowl.

2,000,659
MEASURING INSTRUMENT
Victor E. Carbonara, Brooklyn, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York
Application June 13, 1931, Serial No. 544,210
1 Claim. (Cl. 33—137)



In a surveyor's device, the combination of a hook for securing a measuring tape to said device, said hook having a semi-annular portion at the end of which are provided curved fingers projecting upwardly from the plane of the hook and outwardly of the semi-annular portion, and a ring adapted to be engaged by the hook and having a gap in its circumference and having the ends which form the gap projecting from the periphery of the ring in order that a measuring tape may be fastened to said ends, said hook being adapted to engage said ring only when the ring is over the semi-annular portion and so positioned that one or the other of the curved fingers of the hook is in the gap, and after engagement of the ring by the hook the curved fingers engage the ring on opposite sides of the gap.

2,000,660
APPARATUS FOR IMPARTING PRESSURE TO THE CYLINDERS OF THE MECHANISMS FOR DRAWING TEXTILE ROVINGS
Fernando Casablancas, Sabadell, Spain
Application August 23, 1932, Serial No. 630,106
In Spain May 10, 1932
7 Claims. (Cl. 19—136)

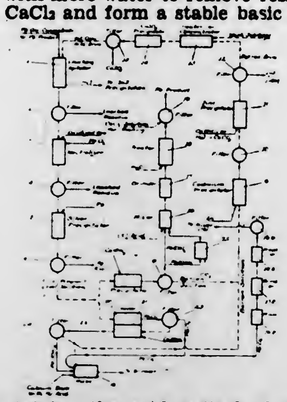


1. In an apparatus for imparting pressure to the upper cylinders of the drawing mechanism for textile rovings comprising a table, a stand carried by said table for supporting the cylinders, a fixed bar extending through the whole length of the machine in parallel alignment with the cylinders and supported above the table, a frame composed of a pair of connected plates fixed on the bar, a single lever pivotally mounted in the frame, a coil spring carried by said frame engaging the lever for rotating the lever in one direction, saddles for engaging the upper cylinders, and a rod connecting the saddles to said lever, whereby to transmit the action of said spring to said saddles and tension the same on the upper cylinders.

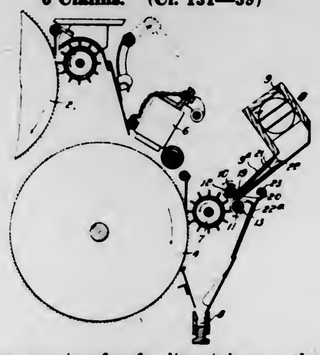
2,000,661
PROCESS OF MAKING PIGMENTS FROM LEAD ORES
Niels C. Christensen, Salt Lake City, Utah
Application October 12, 1931, Serial No. 568,512
5 Claims. (Cl. 23—127)

1. The process of making basic lead pigments from lead ore material in which the lead is recovered from said ores and the like in a chloride brine, which consists in precipitating a portion of the lead from said brine as lead chloride and precipitating another portion of the lead from said brine by adding thereto an amount of calcium hydroxide which is substantially less than chemically equivalent to the lead in said brine, but more than three-quarters of said equivalent, to produce a precipitation of lead hydroxide containing some lead hydroxychloride, and mixing said precipitates in the proper proportion with a calcium salt of an acid of which the normal and basic lead salts are insoluble in amount substantially chemically equivalent to the lead chloride in said mixture, and treating said mixture with water and washing out the $CaCl_2$ formed during said treatment and treating the residual

product with more water to remove residual calcium as $CaCl_2$ and form a stable basic lead pigment containing the acid radical of the above said calcium salt.



2,000,662
DUST EXTRACTION APPARATUS
Ernest Coffin and Félix Frédéric Ruau, Deptford, London, England
Application February 5, 1934, Serial No. 709,882
In Great Britain February 11, 1933
6 Claims. (Cl. 131—39)



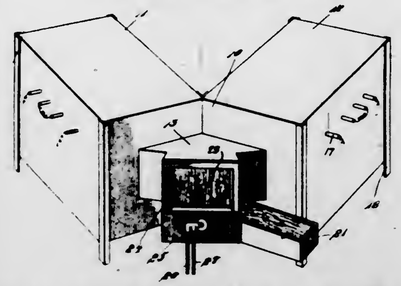
1. In apparatus for feeding tobacco, the combination with a carded conveyor for the tobacco, of a picker roller having projections thereon for removing the tobacco from said conveyor, a pair of movable dust arresting elements located adjacent said picker roller and spaced apart from each other to provide a free passage between said elements, and a suction duct extending lengthwise of said elements connected at one end with a source of suction and at the other end engaging the dust arresting elements and forming a continuation of the passage formed between said elements.

2,000,663
PROCESS OF DRYING MATERIALS
William A. Darrah, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application October 15, 1930, Serial No. 488,852
14 Claims. (Cl. 34—24)



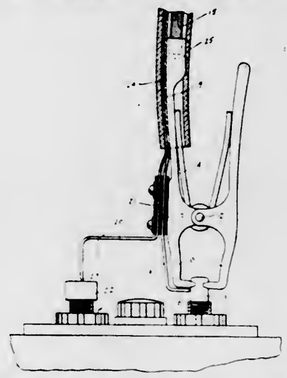
1. The process of drying materials by subjecting said materials to the action of a moving stream of hot products of combustion to which free ammonia has been added, to neutralize some of the various acids contained in the products of combustion.

2,000,664
MULTIPLE FURNACE
Carl I. Hayes, Cranston, R. I., assignor to Harold C. Field, Providence, R. I.
Application October 2, 1929, Serial No. 396,716
Renewed April 25, 1932
15 Claims. (Cl. 263—36)



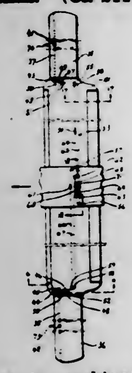
12. In combination, two furnace chambers for heat treatment having entrance throats, a passageway communicating said throats and having an entrance opening, and means for maintaining atmospheres of regulated constituency in said chambers and passageway.

2,000,665
BATTERY CLIP
Leon P. Neal, Detroit, Mich., assignor to Joseph Weidenhoff
Application February 10, 1930, Serial No. 427,399
21 Claims. (Cl. 173—324)



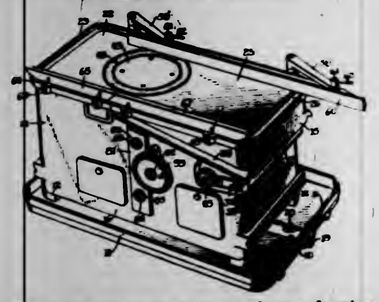
19. A binding post contactor for spaced battery posts comprising a plurality of resiliently connected, electrically insulated contact members, each of said contact members being urged by the resiliency into wiping engagement with an adjacent battery post, a flexible cable secured to said contactor, said cable providing connection means to testing devices at least at three points, said contact members placing two of said connection means in conductive relation to one of the spaced battery posts and the third connection means into conductive relation to the remaining battery post.

2,000,666
AIRCRAFT
Robert R. Osborn, Garden City, and Theodore P. Wright, Port Washington, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application March 19, 1930, Serial No. 436,937
10 Claims. (Cl. 244—29)



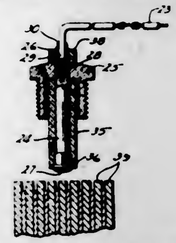
1. In an airplane, in combination, a rigid wing, means carried by and forming with said rigid wing a unit lifting surface capable of operation at higher effective angles of attack, without a falling off in lift, than is possible with said rigid wing alone, ailerons for controlling said airplane carried by and having transversely extending pivot axes disposed without the confines of said unit lifting surface, said ailerons, when neutral, being so positioned with respect to said unit lifting surface that each, regardless of the effective angle of attack of said unit lifting surface, occupies a position in substantial parallelism with the attacking air stream and is subject to substantially equal air pressures on its upper and lower surfaces, and means for operating said ailerons from the pilot's space within the airplane.

2,000,667
GRINDING MACHINE
William C. Osterheim, Oak Park, Ill.
Application December 11, 1931, Serial No. 580,269
12 Claims. (Cl. 51—110)



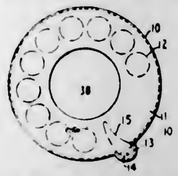
1. In a grinding machine, a frame having end and side walls, and a substantially horizontal surface for supporting objects thereon, a grinding wheel, means mounting said wheel with its axis of rotation substantially vertical, said means including a housing, vertical guides provided on said housing, and means secured to said side walls for receiving said guides, whereby said housing is mounted for vertical movement.

2,000,668
ELECTRODE
Frederick J. Pease, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Original application December 22, 1930, Serial No. 503,963. Divided and this application January 7, 1932, Serial No. 585,190
4 Claims. (Cl. 136—182)



1. The combination with a closure plug for an electrolytic cell, said plug having an aperture through its top, of an electrode extending through said aperture and having one end threaded to receive a nut and the other end provided with a terminal head spaced from said plug, a dielectric sleeve on said electrode confined between said plug and head and extending from said plug top to a plane in which the margin of the end face of said head terminates in contact with said sleeve, and a nut on the threaded end of said electrode supported from said plug and holding said head in clamping engagement with said sleeve.

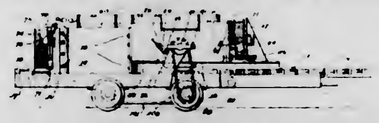
2,000,669
LOCKING DEVICE FOR DIAL TELEPHONES
Rouvime B. Poliakoff, New York, N. Y.
Application April 23, 1931, Serial No. 532,243
1 Claim. (Cl. 179—189)



In combination with a call dial mechanism having a rotatable apertured dial and a finger stop adjacent said dial secured to said mechanism by a screw partly outside the radius of said dial, a locking device comprising a cup-shaped body surrounding said dial and having a deformation enclosing said stop and screw, and key-operable means enclosed in said body for locking same to said mechanism whereby removal of said screw and movement of said dial is prevented.

2,000,670
MINING MACHINE
Charles A. Pratt, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 10, 1932, Serial No. 597,916
Renewed September 15, 1934
7 Claims. (Cl. 262—30)

1. In a mining machine, a motor slidable directly on the mine bottom and having a vertical armature shaft, a frame disposed forwardly of said motor having a projecting cutter bar extending forwardly therefrom, said cutter bar being disposed in planes which intersect said motor and having a cutter chain guided for movement thereabout, feeding mechanism therefor comprising a feed drum disposed adjacent the forward end of said main frame for rotation about a longitudinally extending axis and having a flexible feeding member adapted to be wound thereon, and means for selectively driving said feeding and cutting mechanism from said motor comprising a vertical shaft driven from said armature shaft and having a cutter chain drive sprocket freely mounted on its lower end, clutch means for selectively connecting said sprocket with said shaft, a shaft extending longitudinally



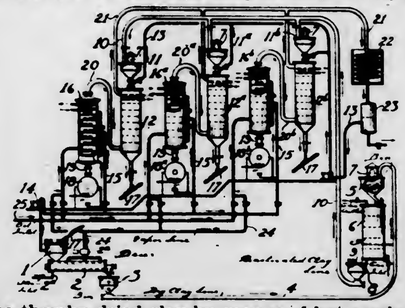
of said main frame and journaled therein at its forward and rearward ends, means for selectively driving said longitudinal shaft from said vertical shaft at either a low speed or a higher frictionally controlled speed comprising a frictionally controlled geared speed reduction device coaxial with said longitudinal shaft and a geared connection between said feed drum and longitudinal shaft comprising a shaft coaxial with the axis of rotation of said drum and having its axis of rotation disposed adjacent the longitudinal center line of said cutter bar, an operative connection between said shaft and feed drum and a geared connection between the inner end of said shaft and said longitudinal shaft.

2,000,671
ARTIFICIAL SILK FILAMENT
James A. Singmaster, Bronxville, N. Y.
No Drawing. Application June 29, 1929, Serial No. 374,968
4 Claims. (Cl. 28—1)

1. An artificial silk filament of diminished luster having submerged in and distributed throughout its mass material fine particles of preformed zirconium oxide substantially white in color and having a light refractive index substantially different from that of the mass material, the size of said particles not materially exceeding 0.75 microns and said particles being present in such small quantity and so thoroughly dispersed in the mass material as not to materially impair the continuity of such mass material.

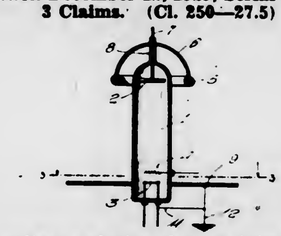
2,000,672
PROCESS FOR CONTINUOUSLY USING CLAY IN TREATING TOWER SYSTEMS
Reginald K. Stratford, Sarnia, Ontario, and Charles Leaver, Toronto, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware
Application January 16, 1931, Serial No. 509,142
3 Claims. (Cl. 196—96)

1. The continuous process of treating hydrocarbon oil with clay, which comprises: vaporizing the oil, passing the vaporized oil into a treating zone wherein the vaporized oil is caused to pass in countercurrent to a flow of treating material comprising clay and condensate produced from the vapors, removing condensed treated oil and clay from said clay-treating zone, mechanically separating the major part of the oil from the clay, and reducing the separated clay to a substantially dry state by distilling it under the application of heat and subatmospheric pressure, revivifying



the thereby dried clay by means of hot combustion gases and returning it to said treating zone.

2,000,673
ELECTRON TUBE
Frederick E. Terman, Stanford University, Calif. assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application December 12, 1929, Serial No. 413,555
3 Claims. (Cl. 250—27.5)

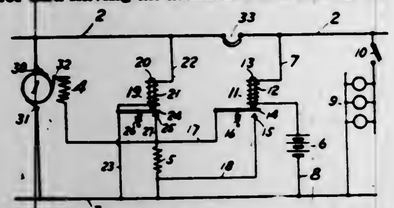


1. A voltage reducing electron tube comprising an evacuated vessel, a cathode and a grid disposed within said vessel, a plate electrode disposed within said vessel and separated from said cathode and grid, and a conductive member of toroidal shape electrically connected to said plate electrode and surrounding said vessel and mounted adjacent said plate electrode.

2,000,674
MEANS FOR REGULATING THE OUTPUT OF A GENERATOR
Charles W. Terry, Detroit, Mich.; assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application July 27, 1934, Serial No. 737,287
3 Claims. (Cl. 171—313)

3. An electric circuit, comprising in combination, a generator of the third brush type having the characteristic that its maximum output is substantially constant, a resistor, a storage battery, translating devices, connections between said storage battery and said translating devices and said generator, a switch controlling the connection between said storage battery and said translating devices and said generator, a second switch controlling the connection between said translating devices and said storage battery, a vibrating relay having a coil responsive to the current flowing through said battery and independent of the current flowing through said translating devices and having an armature controlling connections including said third brush and said resistor so that the maximum output of said generator is reduced when said connections are open, and a second relay having a volt-

age coil responsive to the voltage of said generator and having an armature controlling a con-



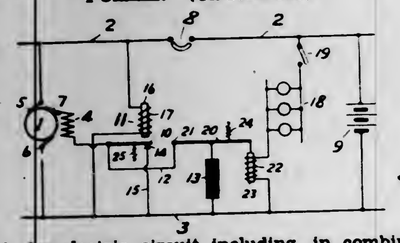
nection paralleling said resistor and in series with said third brush.

2,000,675

MEANS FOR REGULATING THE OUTPUT OF A GENERATOR

Charles W. Terry, Detroit, Mich., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application July 31, 1934, Serial No. 737,709
4 Claims. (Cl. 171—313)



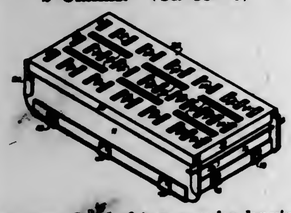
4. An electric circuit including, in combination, a generator having the characteristics of limiting its maximum output to a predetermined value, translating devices, a storage battery, connections between said generator and said translating devices and said storage battery, a carbon pile, connections between said generator and said carbon pile such that the maximum output of said generator is reduced by an amount varying with the resistance of said carbon pile, a solenoid responsive to current passing through said translating devices and independent of current passing through said storage battery, a lever operated by said solenoid to decrease the resistance of said carbon pile in response to increase in current through said translating devices, a circuit short circuiting the connection of said carbon pile to said generator and a relay having a coil responsive to the voltage of said storage battery and an armature connected to open said last-mentioned circuit when the voltage of said storage battery rises to a predetermined value.

2,000,676

MEANS FOR MAKING CONFECTIONS

Giles M. Teague, Charlotte, N. C.

Application July 7, 1932, Serial No. 621,222
2 Claims. (Cl. 53—6)



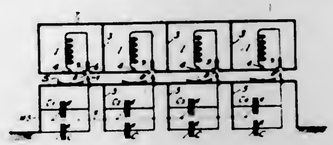
1. Apparatus for baking a cake having a plurality of cavities therein, comprising a base, sides and ends pivotally secured to said base, a top having downturned flanges at its ends and sides for holding the sides and ends in vertical position, said top having a plurality of openings therein to admit heat to the top of the dough being baked, said top having a plurality of other openings therein, a hollow shell surrounding each of said other openings and extending downwardly towards the said base whereby heat is admitted directly to the interior of the shells.

2,000,677

TUNING SYSTEM

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 12, 1932, Serial No. 592,533
7 Claims. (Cl. 250—20)



1. Means for tuning a radio receiver over a wide frequency range comprising, a separate group of capacitive and inductive circuits, a plurality of individually shielded compartments having capacitive tuning means, a plug-in coil compartment including a plurality of individually shielded inductances, and means comprising separate contact members on each compartment for completing the circuits between each of the individually shielded compartment inductances and capacities when the plug-in unit is placed in position.

2,000,678

DIFFERENTIAL CONDENSER

Balthasar van der Pol and Romyn Veldhuyzen, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application June 4, 1932, Serial No. 615,292
In Germany June 12, 1931
5 Claims. (Cl. 250—20)



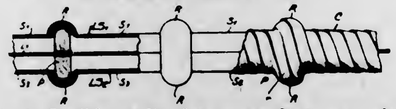
1. In a radio receiving system including an antenna circuit associated with the input of radio apparatus through a coupling condenser, said condenser comprising three cooperating plates, two thereof being fixed and the third being adjustably associated with respect to the other two thereof, said cooperating plates acting to control the degree of coupling between the antenna circuit and the radio apparatus input, said movable plate comprising an insulating part arranged with respect to the fixed plates so that the surface thereof increases when the variable plate is adjusted in one direction and vice versa, said insulating part being shaped and possessing such dielectric characteristics that the total value of the capacity between one of the fixed plates and the movable plate and the mutual capacity between the fixed plates remains constant.

2,000,679

FLEXIBLE HIGH FREQUENCY LINE

Ludwig Walter, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 6, 1932, Serial No. 591,280
In Germany February 7, 1931
5 Claims. (Cl. 173—265)



1. A flexible radio frequency line comprising inner and outer conductors spaced apart by insulating rings whose outer periphery is rounded over to form an element of a ball joint, said outer conductor consisting of a plurality of horizontally split tubular links of relatively short length, each of the ends of said links having their ends formed in spherical manner to engage and forming the other element of said ball joint, said links being joined by an outer holding ring.

2,000,680

HOSE COUPLING

Albert J. Weatherhead, Jr., Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application December 18, 1931, Serial No. 581,893
6 Claims. (Cl. 29—88.2)



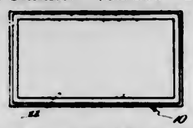
1. A method of securing a flexible hose of nonmetallic material in a metallic coupling having an internal nipple and an integral external sleeve for engaging the inner and outer surfaces of the hose respectively, which consists in inserting the hose into the sleeve so that the nipple embraces the inner surface of the hose and thereafter applying radial pressure to the sleeve in the zone behind the end of the sleeve to deform the metal of the sleeve inwardly, to grip the hose against the nipple, while simultaneously elongating said sleeve and flaring a portion thereof.

2,000,681

DISPLAY CASE

George H. Weller, Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass., a corporation of Massachusetts

Application April 3, 1934, Serial No. 718,759
12 Claims. (Cl. 206—44)



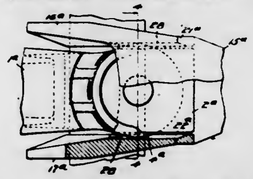
1. A display case comprising a box having upstanding walls, a cover having depending walls which telescope over the upper ends of the box walls when the cover is applied to the top of the box and which telescope over the lower ends of the box walls when the cover is applied to the bottom of the box in inverted position, and a rim on the outside of the box walls intermediate their upper and lower ends to limit said telescopic action when the cover is applied either to the top or to the bottom of the box, said rim comprising sheet material extending horizontally from the box walls outwardly beyond the outer perimeter of the cover walls, and means for anchoring said rim on the outside of the box walls.

2,000,682

DRAFT RIGGING

Norman B. Akitt, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland

Application December 31, 1928, Serial No. 329,503
6 Claims. (Cl. 213—69)



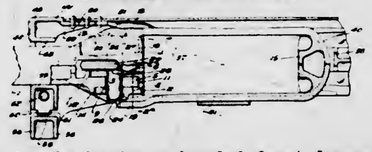
1. A yoke with a hooded front end, the side walls of which are channeled to individually receive edge portions of coupler shank loops extended to a width greater than that of the adjacent forward portion of the shank proper.

2,000,683

DRAFT RIGGING

Norman B. Akitt, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland

Application July 13, 1929, Serial No. 378,147
4 Claims. (Cl. 213—50)



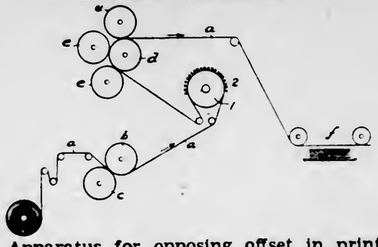
3. A yoke having a hooded front formed by two pairs of oppositely disposed walls, one pair forming top and bottom walls of said hooded front and being bulged locally along the longitudinal center line forming grooves open at the forward ends of said walls, and coupler guiding shoulders at opposite sides of said grooves.

2,000,684

OPPOSING OFFSET IN PRINTING AND THE LIKE

William Watson Allen, Aldan, and Allen L. Grammer, Meadowbrook, Pa., assignors to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania

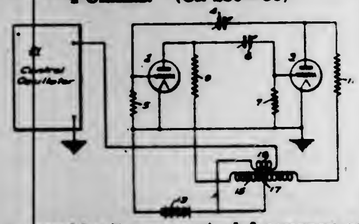
Application November 21, 1932, Serial No. 643,548
4 Claims. (Cl. 34—48)



1. Apparatus for opposing offset in printing comprising in combination, a revoluble cylindrical electrode, a cylindrical row of vacuum tubes

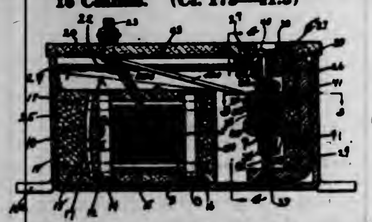
constituting another electrode and spaced from the surface of the cylindrical electrode and of which the glass provides a dielectric, electrical means for flowing electrons from the dielectric and between the electrodes, and means for leading a newly printed sheet or web between one of the electrodes and the dielectric.

2,000,685
CONTROL SYSTEM
Victor J. Andrew, Wooster, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application June 27, 1931, Serial No. 547,205
4 Claims. (Cl. 250—36)



1. In combination a control frequency source, means for producing an oscillatory condition comprising an oscillator of the multi-vibrator type including a pair of discharge devices, the frequency of said oscillatory condition bearing a definite sub-harmonic relationship to that of the control frequency, and means for impressing upon each of said discharge devices an alternating potential derived from said control source, said potentials being 180 degrees out of phase with each other.

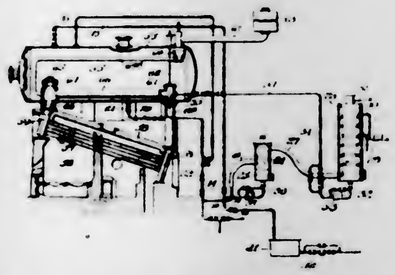
2,000,686
VARIABLE MICA CONDENSER
William M. Bailey, Lynn, Mass., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application January 16, 1929, Serial No. 332,920
16 Claims. (Cl. 175—41.5)



1. A capacitor of variable effective area which comprises spaced conducting elements, a solid dielectric between said elements, a spindle extending thru, and in both directions from, one of said conducting elements and having threaded engagement therewith to move it in its plane relative to the other conducting element; a stationary bearing for one of said spindle extensions; means holding said conducting and dielectric elements resiliently in operative relations and yieldingly supporting said spindle laterally; and means holding the spindle from axial movement; all whereby turning of the spindle on its said stationary bearing operates said movable conducting element in its plane in a direction transverse to the pressure of said resilient holding means.

3. A variable capacitor which includes capacitor elements including a dielectric plate arranged in parallel planes, a casing housing said elements and having an insulating portion formed with at least three openings; a threaded metal spindle supported inside the casing for turning and having an operating end accessible from the exterior of the casing by way of one of said casing openings; two circuit terminals mounted over the other two casing-openings; one of the armatures of said capacitor units inside the casing being supported by an operating connection to said spindle by way of the threads thereon, said armature being movable in its own plane parallel to the plane of the cooperating capacitor elements, by turning of the threaded spindle, said spindle being supported longitudinally immobile in the casing; a lead inside the casing and electrically connecting the spindle to one of said circuit terminals; means supported inside the casing and holding stationary the capacitor elements cooperating with said movable armature; and a lead inside the casing and electrically connecting the second circuit terminal to an armature of the stationary capacitor elements.

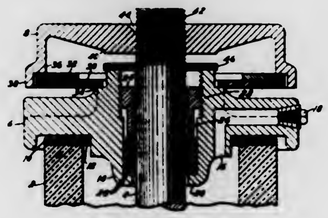
2,000,687
CONTINUOUS PRESSURE DISTILLATION PROCESS
Oswald C. Brewster, Kansas City, Mo., and Max G. Paulus and Andrew E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original application February 13, 1928, Serial No. 253,976. Divided and this application July 21, 1930, Serial No. 469,500
14 Claims. (Cl. 196—59)



8. In apparatus for distilling hydrocarbon oils under pressure for the production of lighter hydrocarbon oils of the character of gasoline, a container, a heating section, a conduit comprising a portion extending into and through said container and another portion extending through said heating section and connected to the first mentioned portion to form a continuous cyclic passage for the oil, the portion of the conduit extending into said container being provided with a constricted opening through which a portion of the oil may escape into said container and means for supplying fresh oil to said conduit.

12. The method of effecting the distillation of hydrocarbon oils under pressure for the production of low boiling hydrocarbon products such as gasoline, which comprises maintaining a substantial body of oil at conversion temperature and under pressure, flowing oil to be converted continuously through a heating zone, discharging a portion of said heated oil into said body of oil, and flowing the remaining portion of the said oil through a tubular conduit in indirect heat conductive relationship with said body of oil and without admixture therewith thence to said heating zone.

2,000,688
SEAL
Gordon A. Burr, Wilkinsburg, and Edwin E. Arnold, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application March 18, 1932, Serial No. 599,702
4 Claims. (Cl. 173—318)



1. The combination of a dielectric tube, a conductor extending axially through and having a portion projecting beyond said tube, an end closure cap for said tube having a centrally disposed stuffing box for maintaining a seal between said cap and the projecting portion of said conductor, a ring-like gasket providing a seal between the cap and the end of said tube, and resilient means on the projecting portion of said conductor for pressing said cap upon the end of said tube.

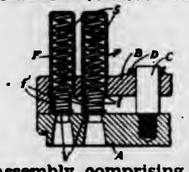
2,000,689
WOOD STAINING
William Stansfield Calcott, Pennsgrove, and Charles J. Pedersen, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 23, 1930, Serial No. 504,426
7 Claims. (Cl. 91—68)

1. The process of staining wood which comprises treating the wood with a composition of matter comprising an organic solvent selected from the group consisting of alcohol, the monoethyl ether of ethylene glycol, benzene, acetone and toluene, a member selected from the group consisting of m-toluylene-diamine, m-phenylene-diamine, p-phenylene-diamine, m-naphthylene-diamine, p-amino-phenol, and p-amino-anisole, and cupric chloride, and thereafter exposing the treated material to the action of air.

2,000,690
SOLVENT REFINING OF HYDROCARBON OIL
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1933, Serial No. 696,540
2 Claims. (Cl. 196—13)

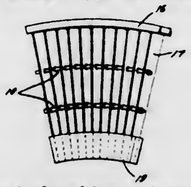
1. The method of refining hydrocarbon oil containing relatively paraffinic and relatively non-paraffinic constituents, including naphthenic, aromatic, and unsaturated bodies, to remove undesired relatively non-paraffinic constituents therefrom, which comprises extractively treating the oil with a solvent selected from the group consisting of benzoyl, toluyl and xyloyl furan whereby the undesired constituents are separated from the oil as an extract soluble in the solvent liquid.

2,000,691
COMPRESSOR DISCHARGE VALVE
Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application April 2, 1931, Serial No. 527,218
4 Claims. (Cl. 277—60)
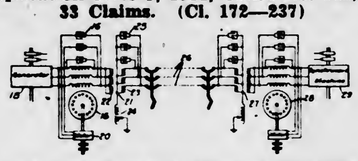


1. A valve assembly comprising a seat member, a plate or disk valve on said member, a keeper secured to said member over said valve and having a series of bores therethrough, springs extending through said bores for yieldingly maintaining said valve in contact with said member, and housing means for said springs mounted in said bores, said valve being movable relatively to said housing means.

2,000,692
METHOD OF UNITING NICKEL CHROME STEEL TURBINE BLADES
Paul C. Dimberg, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 9, 1930, Serial No. 450,974
4 Claims. (Cl. 29—156.8)



1. The method of making a steam turbine blade segment, comprising shaping a plurality of turbine blades from nickel chrome steel, electroplating said blades with silver, arranging said plated blades in position to constitute a segment of turbine blading, disposing a shroud ring segment in contact with the ends of said blades, heating the contacting end of each blade and the adjoining shroud ring portion to a temperature not materially greater than that at which the silver plating on the blade end fuses, and applying silver solder to said heated blade end and said shroud ring portion to join them.

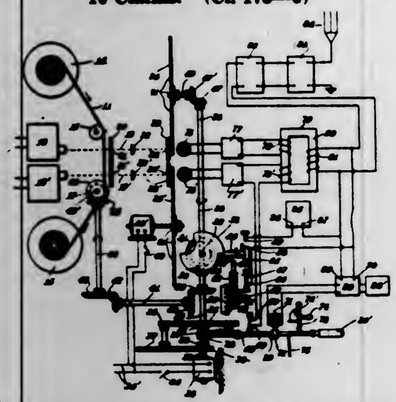
2,000,693
SYSTEM IMPERVIOUS TO UNBALANCED FAULTS
Alexander D. Dovjikov, Wilkinsburg, Charles Le G. Fortescue, Pittsburgh, and Charles F. Wagner, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application June 5, 1931, Serial No. 542,308
33 Claims. (Cl. 172—237)



1. In a three-phase electric power line, the combination, with said line, of series-balancer means for preventing the flow of negative-phase-se-

quence current in said line, and instantaneously operative means, responsive only to three-phase faults, for disconnecting a faulty line section.

2,000,694
TELEVISION SYSTEM
Edgar H. Felix, Ridgewood, N. J., assignor to Radio Inventions, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1932, Serial No. 599,179
10 Claims. (Cl. 178—6)

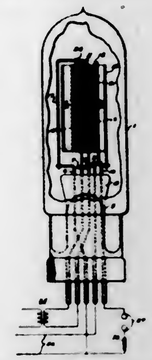


1. Apparatus for transmitting moving images including means for reducing the apparent motion thereof to a degree substantially below the point of persistence of vision, transmitting said image at a similarly slow rate of speed, reproducing said image at a correspondingly slow rate of speed, and then raising the rate of motion of said image to normal, transmitting only the portions of said image which are moving, and altering said first reproduced image in accordance with the portions thereof which are in motion.

2,000,695
HOT CATHODE ELECTRON DISCHARGE TUBE
Hubert M. Freeman, deceased, late of East Pittsburgh, Pa., by Max F. Reges, administrator, Bloomfield, N. J., and Wallace G. Wade, Philadelphia, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Original application January 8, 1923, Serial No. 611,263. Divided and this application June 24, 1932, Serial No. 619,600
9 Claims. (Cl. 250—27.5)

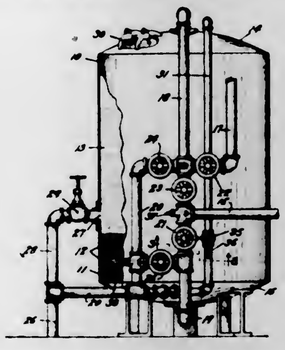
1. A thermionic cathode electron-discharge tube comprising a cathode structure comprising a U-shape heating wire having closely disposed parallel heater sections and a tubular sheath comprising platinum strip wound about said heater sections, the outer surface of said sheath being adapted to emit electrons when heated, and a surface layer of insulating oxide intervening between said heater sections and said sheath.

7. An electron discharge device comprising a plurality of cooperating electrodes, at least one of said electrodes being an indirectly heated electron-emitting cathode comprising a metallic sleeve serving as an electron-emitter and a heater surrounded substantially by said sleeve, but maintained out of direct electrical contact therewith, said heater comprising a two-leg electric conductor anchored about its center and connected at its ends to lead-in conductors and comprising an insulating, high heat-resisting coating formed



on at least said legs and at least physically adhesively bound thereto.

2,000,696
ZEOLITE WATER SOFTENER
Robert O. Friend and John A. Montgomery, Chicago, Ill.
Application June 9, 1932, Serial No. 616,186
2 Claims. (Cl. 210—24)

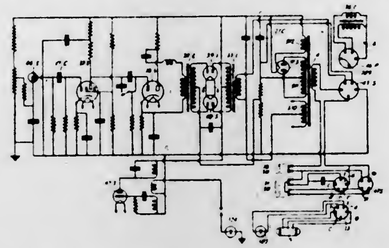


1. A water treating apparatus comprising: a closed tank; a water dispersing medium in the bottom of said tank; a gravel bed on said dispersing medium; a layer of nonbuoyant, base exchange mineral supported on said gravel bed; a water discharge at the top of said tank; a side outlet positioned in said tank above the top of said gravel bed and below the top of said layer of mineral; and means for controlling the flow through said side outlet.

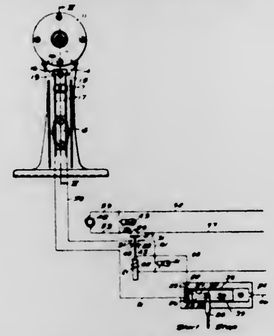
2,000,697
TALKING MOTION PICTURE APPARATUS
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1932, Serial No. 613,701
13 Claims. (Cl. 179—100.3)

1. Talking motion picture apparatus for use with either a direct or alternating current supply circuit comprising a projection lamp, an amplifier circuit, and unitary means for supplying the amplifier with alternating current derived

from said supply circuit irrespective of the type of current fed to said supply circuit and for supplying said lamp with current directly from said supply circuit.



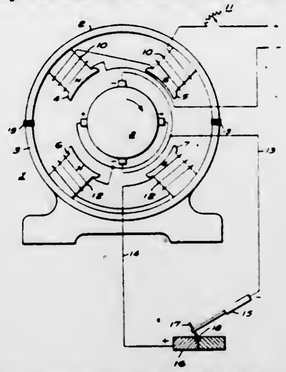
2,000,698
MOTION PICTURE APPARATUS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 20, 1930, Serial No. 437,372
2 Claims. (Cl. 242—57)



1. In combination in film-handling apparatus, means for advancing a film strip, means for energizing said advancing means, a normally open circuit and means for temporarily closing said circuit for temporarily bringing said energizing means into cooperative relationship with said advancing means, means to be rotated by said film-strip when it is advanced and means having only frictional engagement with said film-rotated means to be actuated by said film-rotated means when and as long as it is rotated to close said circuit and thereby to maintain said film-advancing mechanisms in energized condition to advance said film-strip.

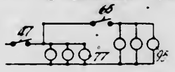
2,000,699
ARC WELDING GENERATOR
William R. Harding, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 29, 1931, Serial No. 565,743
9 Claims. (Cl. 171—223)

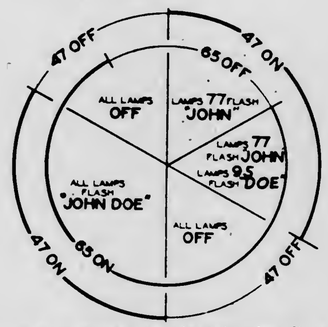
1. In an electric generator for supplying current to an arc welding circuit, in combination, a main field winding and a differential series field winding, and means for magnetically insulating said windings from each other, said series field winding thereby being disposed to produce substantially no effect on the main field winding



when the current in the series field winding is changed.

2,000,700
SIGN FLASHER
Clifford Hotchkiss, Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 23, 1930, Serial No. 462,951
8 Claims. (Cl. 177—346)



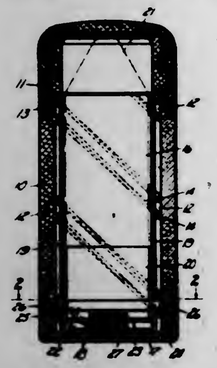


1. In combination, an electric circuit, a source of current therefor, two sets of lamps connected in parallel in said circuit, a master switch incorporated in said circuit between one side of the source of current and both sets of lamps and having entire control of one of said sets of lamps, an auxiliary switch connected in series in said circuit between the master switch and the other set of lamps only whereby one set of lamps is energized solely under the control of the master switch and the other set of lamps is energized under the joint control of the master and auxiliary switches, and means for periodically opening and closing said switches at different periods.

2,000,701
CONTAINER FOR LIP STICKS AND THE LIKE
Andre Janer, Flushing, N. Y., assignor to The A. J. & K. Company, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1933, Serial No. 661,467
7 Claims. (Cl. 206—56)

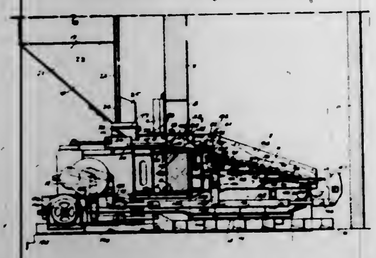
1. In a container for lip sticks or the like, a casing of casein or the like having a pair of

spirally arranged guideways molded directly upon its inner surface, each of said guideways comprising a pair of spiral spaced apart parallel ribs integral with, and projecting from, the inner surface of said casing, a rotatable shell disposed within said casing and having a pair of longi-



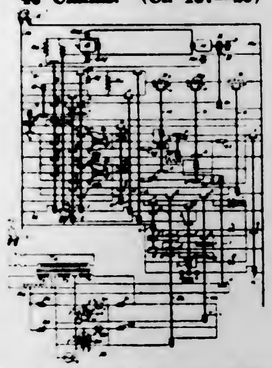
tudinally extending slots, a rotatable carrier disposed within said shell and adapted to have longitudinal movement therein, and a pin on said carrier and having its opposite ends respectively extending through said slots and engaging in said guideways.

2,000,702
DOMESTIC TYPE STOKER
Frank W. Kay, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application November 2, 1928, Serial No. 317,045. Divided and this application March 14, 1930, Serial No. 435,856
3 Claims. (Cl. 110—109)



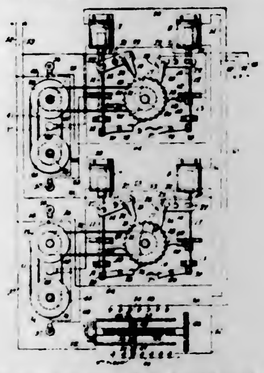
2. In a stoker, a hopper, a passage communicating at its forward end with said hopper and having top, bottom and side walls, the rear portion of said passage being horizontally flared, a ram operating in the forward portion of said passage for feeding fuel rearwardly through said passage, said ram having a wedge-shaped extension for feeding and spreading the fuel in said passage, a stationary spreading means secured to the bottom wall of said passage near the rear end thereof in substantially the same vertical plane with said wedge-shaped extension to cooperate therewith to spread the fuel in said passage, the bottom wall of the flared portion of said passage inclining downwardly toward the side walls from the central portion thereof for further spreading the fuel in said passage, and means for operating said ram.

2,000,703
ELEVATOR CONTROL SYSTEM
Phillip C. Keiper, Chicago, Ill., assignor to Westinghouse Elevator Company, a corporation of Illinois
Application April 27, 1932, Serial No. 607,705
46 Claims. (Cl. 187—29)



1. In an elevator system, an elevator car operable in a hatchway, a plurality of sets of contact members associated with said system, an operator for each of said sets of contact members, each of said operators comprising a first element and a second element, certain of said first elements having characteristics such that they cooperate only with corresponding second elements, means for mounting said first elements on said car in substantially the same vertical line and means for mounting said second elements at predetermined points in said hatchway in substantially a vertical line for cooperation with said first elements, whereby said contact members may be selectively controlled in accordance with the position of said car by operators occupying a small cross-sectional area of said hatchway.

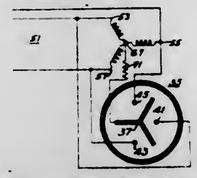
2,000,704
ELEVATOR APPARATUS
William L. Lademann, Bronx, N. Y.
Application February 19, 1931, Serial No. 516,863
9 Claims. (Cl. 187—29)



1. In elevator control, the combination of elevator car, floor selecting devices in the car, step by step floor switch mechanism in the car and connected with said floor selecting devices, means for operating said step by step switch mechanism in timed relation with the travel of the car and

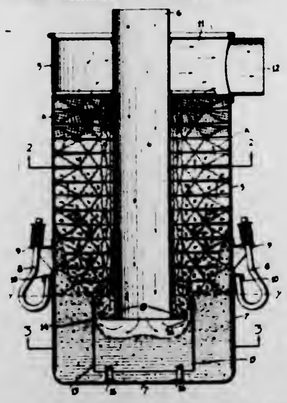
position indicator signals in the car and controlled by said same step by step switch mechanism on the car.

2,000,705
PHOTOTUBE
Thomas H. Long, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 17, 1931, Serial No. 509,377
4 Claims. (Cl. 250—27.5)



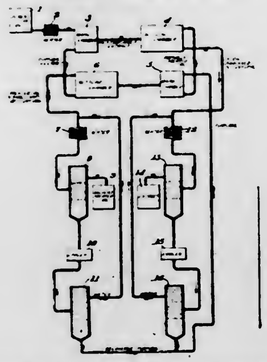
1. A photo-sensitive device comprising a plurality of collecting electrodes capable of being maintained at independent potentials and a light permeable photo-responsive emitting electrode, said emitting electrode electrically shielding certain of said collecting electrodes from certain others of said collecting electrodes.

2,000,706
AIR CLEANER
Wilfred W. Lowther, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application December 15, 1933, Serial No. 702,482
14 Claims. (Cl. 183—15)



1. An air cleaner comprising a casing having an oil well in its bottom and an air outlet in its upper portion, an air intake tube leading axially downward through said casing, a screen in the space within said casing surrounding said air intake tube, and an annular baffle in said oil well spaced from the walls and bottom of said well and from the lower end of said air intake tube, said annular baffle affording a chamber within said oil well that is unobstructed below the intake tube and, at its bottom has free and unobstructed communication with the bottom of said well, said annular baffle being extended to a point considerably above the lower end of said air tube and said screen being extended downward substantially to the upper edge of said annular baffle.

2,000,707
SOLVENT REFINING OF HYDROCARBON OIL
Robert E. Manley, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 31, 1933, Serial No. 654,395
4 Claims. (Cl. 196—13)



1. The method of recovering furfural from mixtures of furfural with hydrocarbon oils which comprises heating the furfural and oil in admixture with water to a temperature of from about 275° F. to about 325° F., effecting separation of the oil constituents from the furfural while maintaining the mixture at substantially such temperature, removing the separated oil, and cooling the remaining mixture to separate and recover the furfural.

2,000,708
RELEASE DEVICE FOR FLUIDS
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application November 7, 1931, Serial No. 573,636
10 Claims. (Cl. 169—11)



9. The combination with a plurality of containers of fluid under pressure, each having an opening, a closure for each opening and a fluid pressure operated fluid releasing device for opening each closure, a common fluid conducting line connected to each fluid pressure operated fluid releasing device and adapted to deliver operating fluid to each of the pressure operated fluid releasing devices and to receive fluid discharged from the plurality of containers upon operation of the respective fluid pressure operated fluid releasing devices, said fluid releasing device having a passage for establishing communication between said container and said fluid conduct-

ing line, normally positioned to coact with associated means for closing off communication between the said container and fluid conducting line whereby to prevent the passage of fluid therethrough when released from said container due to excess pressure developed in said container without operation of the fluid operated fluid releasing device of said container, the said fluid releasing device upon operation of the respective fluid pressure operated fluid releasing device by an operating fluid being moved to a position to render said coacting means ineffective so that communication is established between the container and the common fluid conducting line.

10. A releasing device for use in connection with a fluid container having an opening, a frangible closure member for the opening and penetrating means adapted to penetrate said closure member constructed to provide free discharge through said closure, comprising, a body forming a chamber, fluid operated means in said chamber operatively associated with said penetrating means, a single delivery connection for admitting a fluid under pressure to the space above the fluid operated means to operate the fluid operated means, means for delivering fluid from the container to the space above the fluid operated means when the fluid is released by operation of the penetrating means, and means normally obstructing the flow of fluid from the container to the space above the piston, said last named means being rendered ineffective upon operation of the penetrating means.

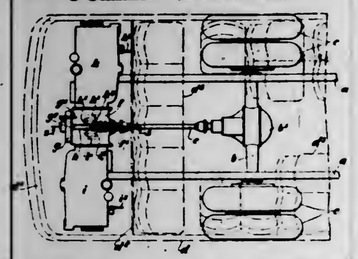
2,000,709

REAR ENGINE DRIVE FOR SELF-PROPELLED VEHICLES

Philip E. Matthews, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware

Application July 14, 1934, Serial No. 735,115

3 Claims. (Cl. 180—54)



1. In a vehicle having a rear driven axle, side frame members of a chassis supported thereon, final drive gearing in the axle disposed between said side frame members, a propeller shaft extending rearwardly from said final drive gearing parallel to the center line of the vehicle, a rearwardly extending body having a compartment located to the rear of said axle and extending the width of the body, two engines in said compartment disposed symmetrically at opposite sides of the propeller shaft, a transmission located between the proximate ends of said engines and to which said propeller shaft is operatively connected, a clutch located at the rear of the transmission and having a shaft section extending forwardly and in alignment with said propeller shaft, means to engage the said shaft section with said transmission, and a tubular shaft in which said last named shaft section is disposed connected operatively to the clutch and to said engines.

2,000,710

VACUUM THERAPY DEVICE

Carl G. Miller, New York, N. Y., assignor to Richard K. Parsell, Brooklyn, N. Y.

Application June 22, 1932, Serial No. 618,716

3 Claims. (Cl. 128—300)



1. A vacuum therapy device comprising a semi-rigid rubber flesh-contacting rim, a base, and a bellows between said rim and said base, said bellows including alternate substantially continuous sections of thin easily-flexible web-like sheet rubber on either side of a semi-rigid strengthening ring which ring is many times thicker than said sheet rubber, and said cup being bell-like in shape and collapsible upon itself so that said rim, said base and said strengthening ring become flush with one another when said cup is collapsed, the sheet rubber webs being foldable in appropriate folds between said rim, ring, and base.

2,000,711

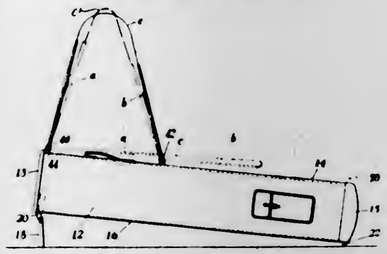
GOLF BAG

Herbert Mobbs, Northampton, England

Application May 29, 1931, Serial No. 541,015

In Great Britain June 4, 1930

20 Claims. (Cl. 150—1.5)



1. In or for golf bags, a shoulder strap having in combination, end portions provided with a resilient strip of graduated flexibility and a relatively supple shoulder engaging part intermediate of said end portions.

20. In or for golf bags, a shoulder strap of flexible material having an end portion of substantial length made up of several thicknesses of the flexible material of which the shoulder strap is made, which several thicknesses are graduated in their dimensions.

2,000,712

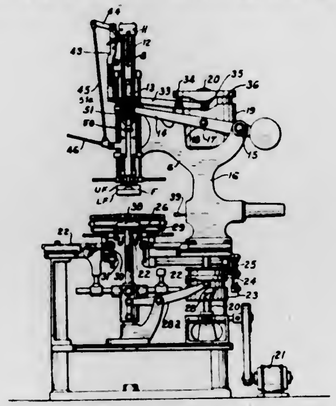
BOX MACHINE

Charles H. Nitsch, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 23, 1935, Serial No. 2,983

5 Claims. (Cl. 93—54)

1. A box machine comprising a form-block having separable components, an abutment movable with one of said components, mechanism operating during operation of said machine to separate said components, and means, normally inoperative, operable by an operator to separate said components comprising structure normally out of the path of said abutment, and means for moving said structure into engagement with said abutment and moving it to move said one of said components comprising a lever having an arm connected to said structure.



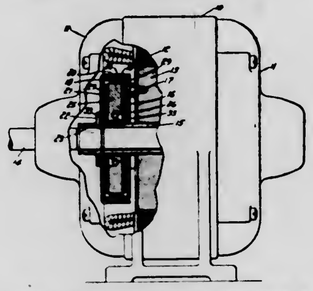
2,000,713

CLUTCH

Marvin L. Norris, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application May 10, 1929, Serial No. 362,007

39 Claims. (Cl. 192—105)



1. A clutch including two members arranged one within the other, one of said members having openings therein, friction elements arranged in the openings in the one of said members, and means including a centrifugal device frictionally connected to said driving member for urging said friction elements against the other of said members.

2,000,714

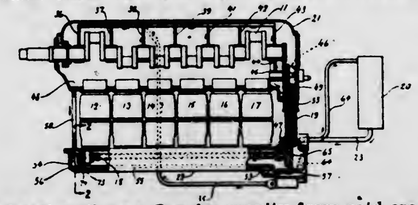
LUBRICATION SYSTEM

Arthur Nutt, Eggertsville, N. Y., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application April 10, 1930, Serial No. 443,042

16 Claims. (Cl. 184—6)

1. In a lubrication system for internal combustion motors, a plurality of motor cylinders, a crank shaft positioned above said cylinders, a case for enclosing said crank shaft, a cam shaft extending across said cylinders at the outer cylinder ends, a cam shaft housing enclosing said cam shaft and attached to said cylinders at their outer ends, and conduits connecting said crank shaft case and said cam shaft housing, whereby oil may flow by gravity from said crank shaft case to said cam shaft housing.



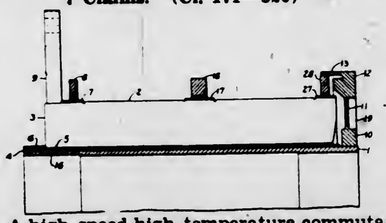
2,000,715

HIGH SPEED COMMUTATOR

Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1932, Serial No. 635,514

7 Claims. (Cl. 171—320)



1. A high-speed high-temperature commutator comprising, in combination, a support, a plurality of commutator segments, mounting means for securing corresponding ends to said support, said means being designed so that said other corresponding ends of the segments are spaced from the support and are subjected to a force tending to move the segments radially with reference to the support, and centering means for resiliently retaining said other corresponding ends in a given relative position, thereby preventing independent radial movement of the respective segments.

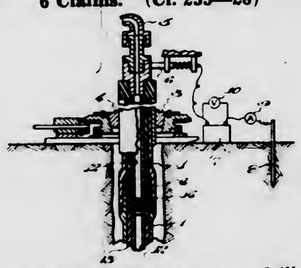
2,000,716

INSULATED ELECTRICAL CONNECTION

James V. Polk, Dallas, Tex., assignor to Geophysical Service Inc., a corporation of New Jersey

Application April 7, 1934, Serial No. 719,493

6 Claims. (Cl. 255—28)



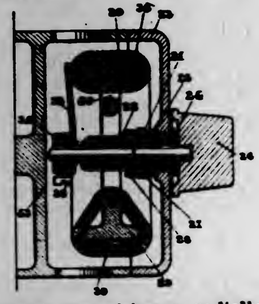
1. In combination with a rotary drill pipe assembly, means for making an electrical connection between two sections of said drill pipe assembly, conductors disposed within each section of said rotary drill pipe and insulated therefrom, said means consisting of two metallic rings, one

of which is electrically connected to each of said conductors, and a metallic spring so arranged as to make connection between said rings when the two sections of drill pipe are joined together, and means for insulating said rings and said metallic spring from the said sections of drill pipe.

2,000,717
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Claudius H. M. Roberts, Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application April 13, 1933, Serial No. 665,962
20 Claims. (Cl. 196—4)

1. A process for breaking a petroleum emulsion of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a substituted polyhydric alcohol body, in which at least one alcoholiform hydroxyl has been replaced by a polybasic carboxy acid body residue, and said polybasic carboxy acid body residue is characterized by the fact that at least one of its remaining acid hydrogens has been replaced by a hydrocarbon derivative residue, derived from a hydrogen body free from an acid hydrogen.

2,000,718
RHEOSTAT
Paul Schmitt, Paris, France
Application August 14, 1930, Serial No. 475,240
In France February 2, 1930
12 Claims. (Cl. 201—56)



1. A rheostat comprising a radially resilient helix of resistance wire of circular section wound in a plurality of turns of said helix, substantially circular means for supporting said helix, so that each of its turns lies in a radial position, a rotatable contact member mounted to slide across said resistance wire in the mean direction of the individual turns of wire and to compressively contact thereagainst, and said resistance helix being so mounted upon said supporting means that the individual turns of wire are free to yield resiliently upon the passage of the rotatable contact thereover.

2. A resistor, comprising an annular frame, a plurality of grooves distributed about the outer periphery of said frame, the inner periphery of said frame having half the number of grooves of the outer periphery, and the said frame having a circular row of holes extending therethrough, of like number as the number of grooves on the inner periphery, and in staggered relation with respect thereto, a coiled resistance wire wound in helical manner about said frame, alternate inner turns of said coil extending through one of said holes and then resting in one of the grooves of the inner periphery of said frame, all of the outer turns resting in the grooves of the outer periphery, the said frame having a T-shaped section, so that no contact exists between the frame and the resistance wire except where the latter engages with said grooves and holes, and a rotatable contact member contacting the said resistance wire.

3. A rheostat comprising supporting means provided with grooving, the axis of said grooving being sinuate, a resilient contact adapted for moving across the axis of said grooving, and resilient conducting means disposed in said grooving and adapted for pressing against said contact, the contacting area of said conducting means being restrained by the side walls of said grooving from moving in the direction of motion of said contact but being otherwise unrestrained, the walls of said grooving being sufficiently high to support said resilient contact at least in part as said contact moves from one portion of said grooving to another, but without lifting said contact away from said conducting means.

2,000,719
POROUS LIGHTNING ARRESTER
Joseph Slepian and Ragnar Tanberg, Pittsburgh, and Charles E. Krause, Greensburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application July 22, 1929, Serial No. 379,899
44 Claims. (Cl. 175—36)

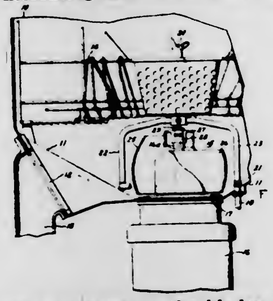


2. A lightning arrester for an electrical device to be protected, said arrester comprising a composite porous block having pores, the boundaries of said pores including conducting particles in such limited quantities as to carry, at the rated normal voltage of the arrester, a leakage current of not over about 10 amperes, the size and degree of conductivity of the pores which carry the discharge, as indicated by the cut-off and breakdown voltages, being such that the breakdown voltage is not over four times the cut-off voltage of the arcs or discharges through the pores, the cut-off voltage of the arrester being less than about 140 per cent of the rated operating voltage of the device to be protected.

9. A lightning arrester comprising a block of porous body-material having a coating of condensed vapor of a conducting material throughout its pores and surfaces, said coated block having a resistivity of something of the order of 1,000,000 ohms per centimeter cube or less, but more than 1000 ohms per centimeter cube, at a potential gradient of 400 volts per centimeter.

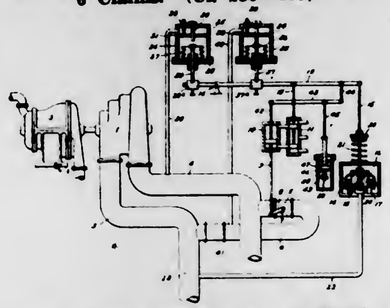
2,000,720
IMPELLER
Carl M. Snyder, Glen Ellyn, and Forrest A. Walker, Oak Park, Ill., assignors to Walker Dishwasher Corporation, Chicago, Ill., a corporation of Delaware
Application December 5, 1933, Serial No. 700,944
3 Claims. (Cl. 299—63)

1. In a dishwashing machine provided with a vat and a dish-supporting rack within said vat, a rotary fluid circulating impeller adapted to be operated within said vat below said rack comprising a hub, a pair of blades on said hub, each having a fluid engaging face curving downwardly and forwardly from its upper to its lower edge in the direction of rotation of the impeller with gradually diminishing radii so that each blade when it engages washing fluid in said vat deflects said fluid upwardly within said vat, the blades gradually increasing the vertical deflection of said



fluid as the fluid flows up the blades, the lower edges of said fluid engaging faces lying in substantially the same plane and the upper edge of the fluid engaging face of one of said blades being materially below the upper edge of the other so that fluid is deflected upwardly by said one blade through a smaller vertical angle than the fluid deflected by the other blade.

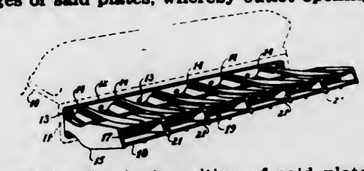
2,000,721
CENTRIFUGAL COMPRESSOR
Reginald G. Standerwick, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application October 26, 1932, Serial No. 639,571
6 Claims. (Cl. 230—115)



1. The combination with a centrifugal compressor having a pulsation preventing valve and means for opening and closing it in accordance with the resultant of the rate of flow through the compressor and the discharge pressure from the compressor, of means for further controlling the opening and closing of the valve in accordance with the rate of flow past it.

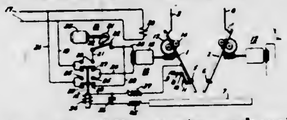
2,000,722
EXHAUST MANIFOLD
Colby W. Steward, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application January 6, 1933, Serial No. 650,467
8 Claims. (Cl. 60—29)

1. A unit exhaust manifold for a multi-cylinder engine comprising an upper longitudinal plate, a lower longitudinal plate, a plurality of means for joining said plates between the successive engine cylinder exhaust ports, said means being adapted for attachment to said cylinders, and a plurality of partitions for joining the outer edges of said plates, whereby outlet openings are



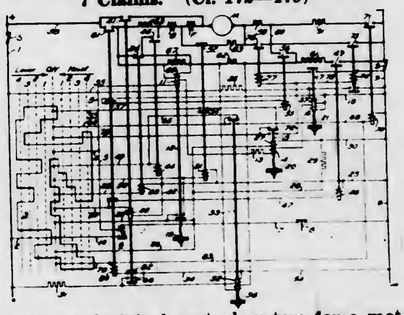
formed by the juxtaposition of said plates and of said partitions, and whereby a longitudinal passage is formed by the boundaries established by said upper and lower plates, said means, and the inner edges of said partitions.

2,000,723
WELDING SYSTEM
Chauncey G. Suits, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1934, Serial No. 758,375
5 Claims. (Cl. 219—8)



1. In an arc welding system wherein means are provided for feeding an electrode to compensate for its consumption by the welding arc, means including an electric motor for operating said feeding means, means responsive to an arc voltage greater than a predetermined value for intermittently energizing said motor for rotation in the proper direction to impart a forward feeding rate to said electrode slightly greater than its rate of consumption by the arc, and means responsive to an arc voltage less than said predetermined value for continuously energizing said motor for rotation in the reverse direction.

2,000,724
CRANE HOIST CONTROL
Frank P. Taugher, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1932, Serial No. 635,530
7 Claims. (Cl. 172—179)



1. In an electrical control system for a motor, in combination, a motor, a source of energy having a given voltage, said motor having an

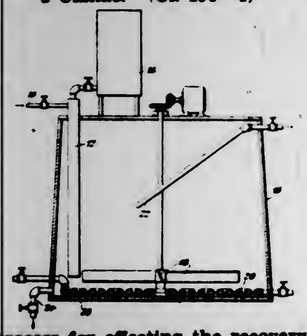
armature winding and a field winding, a controller, means responsive to said controller for selectively connecting said field winding and armature winding in series circuit relation and in parallel circuit relation without reversing the armature energization for the parallel circuit connection, means for progressively decreasing the effective resistance of the armature winding, means for progressively increasing the effective resistance of the field winding, and means for limiting the rate of change of said respective effective resistances.

2,000,725

BREAKING OF OIL-WATER EMULSIONS

John Charles Walker, Eldorado, Kans., assignor, by mesne assignments, to The Tretolite Company, Webster Groves, Mo., a corporation of Missouri

Application December 5, 1921, Serial No. 519,842
3 Claims. (Cl. 196—4)



3. A process for effecting the recovery of the oil of a petroleum emulsion, characterized by subjecting the emulsion to the action of a treating agent comprising a non-saponaceous, non-saponifiable, fatty derivative which bears a simple genetic relationship to its parent material, mixed with a water-soluble fatty derivative with an oil-soluble fatty body.

2,000,726

TRAIN AUTOMATIC AIR CONNECTER

Jay J. Weber, Tulsa, Okla.

Application May 21, 1934, Serial No. 726,807
4 Claims. (Cl. 284—5)



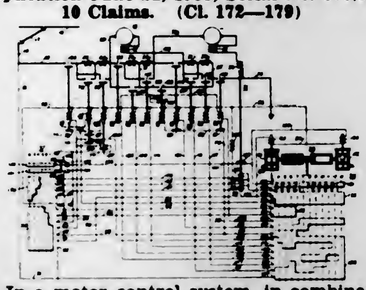
1. A coupling of the character described comprising a pair of heads having stems, the heads being laterally angled with relation to the stems, means for suspending the stems beneath the coupling ends of cars for the slidable displacement of said stems, means for tensioning the stems, half-ball fittings movably held in the heads for engagement with each other, tapered guide noses on the heads, eyes on said heads receiving the said noses and having tapered formations corresponding to the latter for the bringing together of the half-ball fittings, retaining rings seated in the heads for the half-ball fittings, nipples carried by the fittings and movably locked with the rings, and air line connections with said nipples.

2,000,727

MOTOR CONTROL SYSTEM

Norman H. Willby, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1933, Serial No. 676,845
10 Claims. (Cl. 172—179)



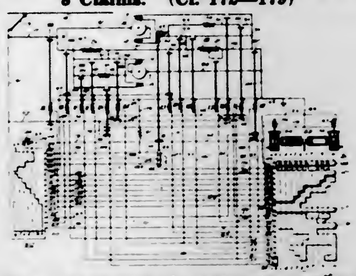
1. In a motor-control system, in combination, a motor, a source of power for the motor, switching means for connecting the motor to the power source, a plurality of resistor sections connected in series-circuit relation and in series with the motor to control the motor current, a plurality of separately operable switches for shunting the resistor sections, means for automatically accelerating the motor, a controller for controlling the energization of said switching means and said resistor-shunting switches independently of the automatic accelerating means, and electrical interlocking means associated with said switches for preventing the motor from being disconnected from the power source while the resistor-shunting switches controlled by the controller are closed.

2,000,728

CONTROL SYSTEM

Norman H. Willby, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1933, Serial No. 676,846
8 Claims. (Cl. 172—179)



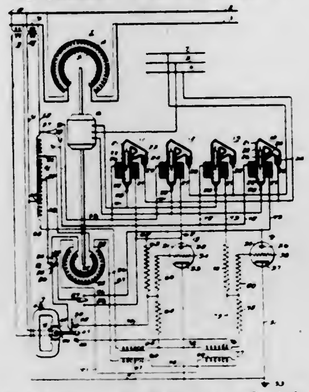
3. In a motor control system, in combination, a motor having a field winding, a source of power for the motor, means for varying the current in the field winding of the motor to vary the motor speed, means for automatically controlling the acceleration of the motor, a relay having a coil energized by the armature current of the motor for controlling the operation of the acceleration-controlling means, means on said relay responsive to the field strength of the motor for causing the tractive effort of the motor to be maintained at a predetermined value, and a master controller for governing the operation of said relay.

2,000,729

ELECTRICAL CONTROL SYSTEM

Edward R. Wolfert, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 29, 1933, Serial No. 678,221
3 Claims. (Cl. 171—119)



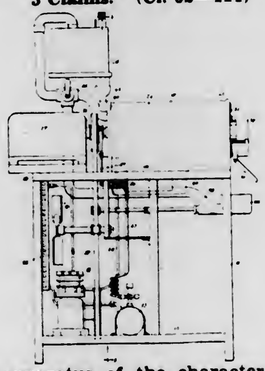
1. In a system comprising an electrical circuit, a regulator having a movable member for adjusting a characteristic of said circuit, a motor adapted to actuate said member to any point within predetermined limits of travel, forward and reverse energizing circuits for said motor, a grid-controlled electronic tube adapted to control each of said circuits, means for supplying grid potentials to said two tubes, and means responsive to said circuit characteristic for adjusting said potentials, the combination of selective means for oppositely varying said tube grid potentials in accordance with the departure of said movable member from a predetermined intermediate or neutral position to thereby cause the motor to return said member to said neutral position.

2,000,730

AUTOMATIC FREEZING AND DISPENSING APPARATUS

Edward F. Wortmann, Jersey City, N. J.

Application May 9, 1933, Serial No. 670,115
5 Claims. (Cl. 62—114)



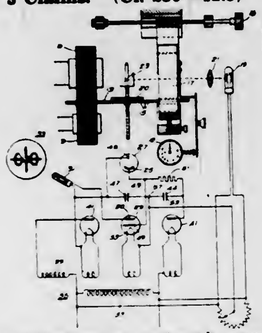
1. In apparatus of the character set forth: a freezing drum, a displacement cylinder rotatably mounted within the same to provide an intermediate reduced annular and cylindrical mixing space, the periphery of said cylinder being provided with suitable beater and scraper elements longitudinally disposed thereon and displaced circumferentially thereover, means to introduce at one end of the mixing space a mix to be frozen, means to withdraw the congealed mix from an opposite end of the space, means to rotate said cylinder, and cooling means associated with the drum.

2,000,731

METER

Douglass A. Young, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 25, 1932, Serial No. 630,341
3 Claims. (Cl. 250—41.5)



1. In combination, a network comprising a plurality of capacitors and assymmetric conducting means connected in series, an alternating current source, means for coupling said source to said networks to charge said capacitors, an electric discharge device having a control electrode and a plurality of principal electrodes, means for connecting said principal electrodes between the junction point of said asymmetric conducting means and one of said capacitors and the junction point of said capacitors and means for varying the potentials impressed between said control electrode and said principal electrodes, said means including means responsive to external physical disturbances and means for connecting said responsive means between said control electrode and a junction point of one of said capacitors and said asymmetric conducting means.

2,000,732

THREADED CONNECTION

Elmer J. Zelt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

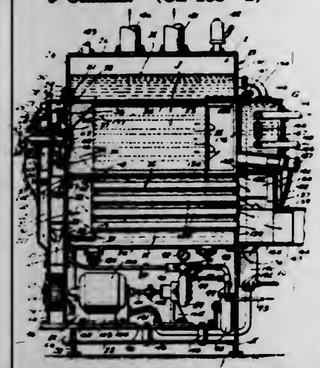
Application February 1, 1934, Serial No. 709,310
1 Claim. (Cl. 85—36)



The combination with a wall of an electrical apparatus casing, of a bushing having an externally helically threaded portion and an external flange, said wall having an opening to receive said bushing, the edge of the wall around said opening being in the plane of the wall and having a minor diameter smaller than that of the threads and a major diameter greater than that of the threads, and said wall being thinner than the pitch of the threads.

2,000,733
BURNER INSTALLATION FOR DOMESTIC BOILERS

Edgar T. Avery, Maplewood, N. J.
Application April 13, 1933, Serial No. 665,882
9 Claims. (Cl. 158—1)



1. A furnace front construction for a furnace of the type having a combustion chamber, a plurality of conduits receiving the hot combustion gases from said combustion chamber, the heat in the combustion gases being extracted in large part during the passage through said conduits and a flue chamber at the front of the furnace to receive the combustion gases from said conduits after considerable heat has been extracted from them, said construction comprising an air receiving casing with an outside primary air conduit compartment for receiving and feeding cool air and an inside secondary air conduit compartment, in heat exchange relationship with said flue chamber, for feeding heated air, a longitudinally extending cylindrical oil spray device passing through said casing, a substantially cylindrical air-directing shell encircling said device extending across said casing from front to back and having inlet openings from said primary compartment at its end away from the furnace, the other end of said shell being provided with an outwardly diverging mouth, the secondary air passing around the periphery of said mouth.

2,000,734
FISH LURE

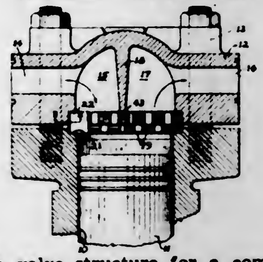
Anthony C. Accetta, Cleveland, Ohio
Application January 11, 1933, Serial No. 651,172
8 Claims. (Cl. 43—42)



1. In an artificial lure, the combination of a spoon-like body comprising front and rear sections, a flexible and detachable connection between the sections, means at the front end of the front section whereby it may be connected to a fishing line, and flexible wings projecting laterally from one of the sections.

2,000,735
VALVE STRUCTURE FOR COMPRESSORS AND PUMPS

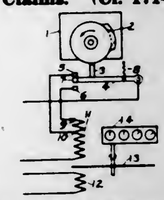
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1933, Serial No. 670,615
17 Claims. (Cl. 230—231)



1. In a valve structure for a compressor or pump, a valve assembly adapted to be clamped between the cylinder and the cylinder head of the compressor or pump, said valve assembly comprising a plurality of valve plates arranged in face-to-face relation and a gasket sheath encompassing the peripheries of said valve plates and having flanges turned in against the outer faces of the valve plates to form gaskets between said outer faces and the cylinder and the cylinder head, respectively.

2,000,736
MULTIPLE-RATE POWER METERING

John Perry Ballantine, Seattle, Wash.
Application November 19, 1932, Serial No. 643,395
7 Claims. (Cl. 171—268)

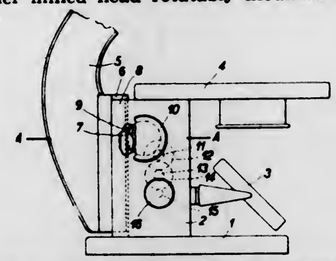


4. In a multiple rate metering system the combination of a tapped voltage coil and contact making means for changing said taps.

2,000,737
MICROSCOPE STAND

Walther Bauersfeld, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application December 7, 1933, Serial No. 701,263
In Germany December 13, 1932
2 Claims. (Cl. 88—39)

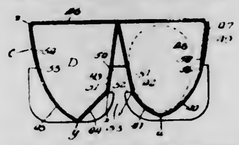
1. A microscope stand comprising a foot, a milled head rotatably mounted in the foot, a toothed wheel connected to the milled head, a rack displaceably mounted on the foot, a toothed wheel rotatably mounted in the foot and meshing with the rack, a gear consisting of a plurality of toothed wheels disposed between the toothed wheel connected with the milled head and the toothed wheel in mesh with the rack, another milled head rotatably mounted in the



foot, and driving means disposed between this other milled head and the rack.

2,000,738
EGG CARTON

Leon Benoit, Chicago, Ill.
Application August 31, 1931, Serial No. 560,285
3 Claims. (Cl. 229—29)

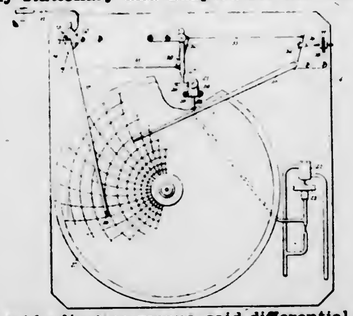


1. A container in which is comprised a blank having aligned series of slots, together with parallel bends defining front and rear walls with intermediate pairs of slanting bottom walls, together with connected partition walls extending centrally of the container, and a plurality of separable, bifurcated cross walls, one for each series of slots, and each wall provided in its body with a central truncated opening with opposite slanting edges and a base formed of two aligned but spaced shoulders between which an entrance slot is extended through to the bottom edge of the cross wall, there being also at each of the opposite edges of the cross wall a further shoulder, the blank being assembled with the cross walls in such manner as to receive one of the latter through each of the aligned series of slots with unslotted portions of the blank accommodated within the truncated opening adjacent its opposite slanting edges and supported upon the shoulders thereof, and with other unslotted portions of the blank rested against the shoulders at opposite edges of each portion of the bifurcated cross wall whereby intervening portions of the blank are suspended in distended relation above the bottom plane of the cross walls.

2,000,739
CONTROLLER APPARATUS

Carlton W. Bristol, Naugatuck, and Perry A. Borden, Waterbury, Conn., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 29, 1933, Serial No. 687,328
15 Claims. (Cl. 236—82)

12. In combination: an element responsive to changes in magnitude of a condition to be controlled and measured and means to measure the response of said element to changes in magnitude of the condition, a control couple embodying a movable member and a cooperating fixed member having an orifice with which the movable couple is adapted to cooperate in bleeding a fluid supply, means for adjusting the position of the movable member relatively to said orifice, and differential mechanism having a part normally stationary and adapted for movement by



the said adjusting means, said differential mechanism serving to connect the adjusting means to said movable member and the latter with the responsive element.

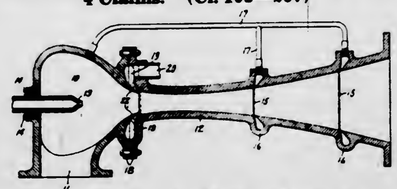
2,000,740
ALKALI METAL ALLOY

Dorothy Hall Brophy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application August 26, 1930, Serial No. 477,975. Divided and this application September 8, 1934, Serial No. 743,305
3 Claims. (Cl. 75—1)

1. An alkaline earth metal-aluminum-caesium alloy which yields caesium on vacuum distillation.

2,000,741
FLUID JET PUMP

Bruce O. Buckland, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1933, Serial No. 695,249
4 Claims. (Cl. 103—267)



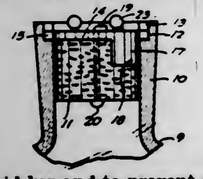
1. In a jet pump, a casing defining a suction chamber with an inlet for fluid to be conveyed and a discharge conduit having a flaring diffuser portion, a nozzle for discharging a jet of impelling fluid into the chamber in the direction of the axis of the conduit, and conduit means connected to the flaring portion for removing a slowly moving boundary layer of fluid in said flaring portion to maintain stability during operation.

2,000,742
BOTTLE CLOSURE

Carl G. Carlberg, Omaha, Nebr.
Application August 14, 1934, Serial No. 739,738
3 Claims. (Cl. 215—34)

1. In a closure device for the neck of a container, said neck near its top being provided with a slot, a cork disposed non-revolubly in said neck and having a recess opening on its top,

an apertured cap in said neck engaging in said slot and provided with a lug, and a lifting-member extending from the cork through the aperture of the cap and adapted to be moved for moving the cork to permit the recess thereof



to receive said lug and to prevent rotation of the cap, said neck being frangible to permit breakage of the walls of the slot for removal of the cap therefrom and permitting removal of the cork from said neck.

2,000,743
ELECTRICAL DEVICE FOR AUTOMOBILES
Joseph H. Cohen, Bridgeport, Conn.
Application December 29, 1932, Serial No. 649,277
7 Claims. (Cl. 240—7.1)



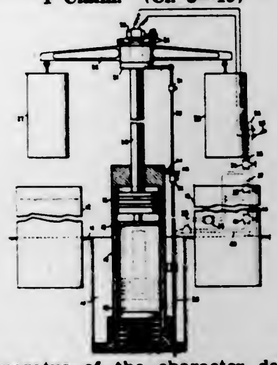
1. In a device of the character described, the combination of a support adapted to be connected to the header board in the driver's compartment of an automobile; an arm carried by the support; a casing carried by said arm, said casing having at one place thereon a heating element and at another place thereon a lamp; and a connection between the arm and the casing to permit rotation of the casing about the axis of said arm to bring either the heat from the heating element or light from the lamp to be directed to the desired place.

2,000,744
WHEEL WRENCH
Tom J. Davies, New York, N. Y.
Application January 22, 1934, Serial No. 707,732
3 Claims. (Cl. 81—111)



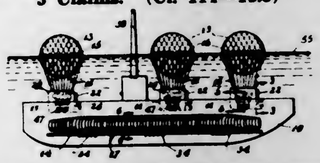
3. A wheel wrench, comprising a stationary substantially U-shaped jaw connected with a handle, a movable jaw pivotally mounted on the end of one of the arms of said U-shaped jaw and having a beak portion extending to the front of the end of said arm for moving inwards to grip the rim of a wheel in conjunction with the other arm of said U-shaped jaw and also having a tail portion extending to the base of said U-shaped jaw for being moved when the wrench is engaged with the rim of a wheel between the arms of the U-shaped edge for moving the movable jaw to move the beak portion into gripping position, and means for preventing said tail portion from moving out from between the arms of said U-shaped jaw, comprising a removable element on said tail portion engaging one of the arms of said U-shaped jaw to limit outward pivoting of the movable jaw, and the pivotal mounting of said movable jaw located in a slot opening towards the other jaw, said removable element comprising a screw.

2,000,745
BOIL-OFF OR DYEING APPARATUS
Albert E. Demol, Paterson, N. J.
Application April 7, 1933, Serial No. 664,964
1 Claim. (Cl. 8—19)



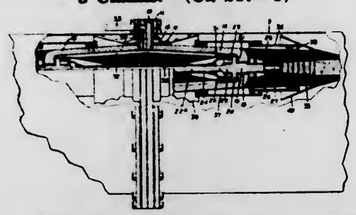
In apparatus of the character described: a rotatably mounted cross-head, reels adapted to be suspended from opposite ends thereof, a pair of liquid-containing tanks with which the opposite ends of the cross-head may be vertically aligned to receive the reels suspended from the said ends, a cylinder, a piston reciprocable therein, a piston rod extending through the cylinder to afford a vertical support for the said cross-head and secured against rotation relatively to the cylinder, means to admit fluid under pressure to said piston, means to exhaust fluid therefrom, and an electric motor carried by the piston rod at its outer end and geared to the cross-head for rotating the same about the vertical axis of said piston rod to position the reels with respect to the said tanks.

2,000,746
AUTOMATIC SUBMARINE SAFETY APPARATUS
Michael Dray, Bronx, N. Y.
Application April 21, 1934, Serial No. 721,665
5 Claims. (Cl. 114—16.3)



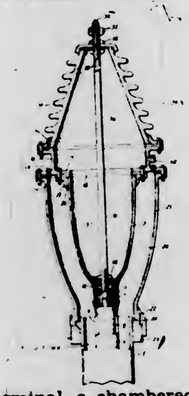
1. A submarine safety apparatus, comprising a submarine having a body with a plurality of cavities in the top and the sides, deflateable and inflateable bags in said cavities, means for holding said bags in extended positions from said cavities when inflated, doors for said cavities, and means within the submarine for inflating and deflating said bags, comprising a plurality of storage tanks for storing compressed air and an air compressor for supplying air to said tanks, and a piping system including valves whereby air in the inflated bags may be removed by the air compressors and rediscarged into said storage tanks.

2,000,747
FLUID STOP JOINT
Eugene D. Eby, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 6, 1934, Serial No. 751,691
8 Claims. (Cl. 247—3)



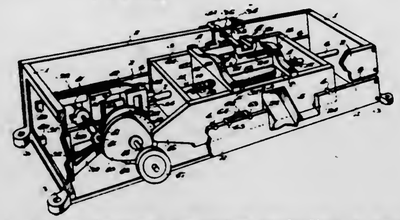
1. A fluid stop joint for cables comprising a pair of cables arranged end to end, enclosures for the cables each filled with a fluid under pressure, a joint casing connected at its ends to the enclosures, a transverse partition in the casing having an opening, a pair of chambered insulators mounted one on each side of the partition, each of said insulators being subjected to an external fluid pressure from one of the cable enclosures, a connector means extending through both insulators and also the opening in the partition for uniting the cables electrically, means securing the ends of the connector means to the insulators and forming fluid tight seats, and conduit means formed in the partition for introducing fluid under a positive pressure into the chambers of both insulators where, acting on the internal walls thereof, it serves to compensate in part for the pressures exerted by the fluids from the enclosures of the two cables.

2,000,748
TERMINAL FOR ELECTRIC CABLES
Frank W. Engster, Troy, N. Y., assignor to General Electric Company, a corporation of New York
Application February 9, 1934, Serial No. 710,482
9 Claims. (Cl. 247—6)



1. In a terminal, a chambered casing capable of withstanding high bursting stress, a closing means for one end of the casing, a hollow insulator located within the chamber of the casing, a body of fluid under high pressure within the chamber of the casing exerting compression pressure on the material of the insulator, a conduit admitting fluid to the casing, a cable located inside of the conduit, a connector means extending from the cable through the insulator to the outside thereof, and means supplying fluid under positive pressure to the inside of the insulator whereby the wall thereof is subjected to differential pressures.

2,000,749
NUT CRACKING MACHINE
Oliver H. Franklin, Tyler, Tex., assignor of one-half to T. A. Hudson and Emma E. Hudson, Tyler, Tex.
Application March 27, 1933, Serial No. 662,863
5 Claims. (Cl. 146—12)



1. A nut cracking machine including a reciprocating nut receiving means and a stationary mandrel, said nut receiving means comprising plates having their lower extremities outwardly channeled to jointly define an open ended chamber when in operative position, said plates being hinged opposite said chamber for relative movement, an independently advanceable pressure plunger arranged to yieldingly enter the ends of said chamber to engage a nut therein during movement of the latter in one direction, means for locking said plunger for positive movement against said nut and means for applying pressure against said plunger to crack the shell of said nut.

2,000,750
BAILER
Paul G. Gates, Long Beach, Calif.
Application May 6, 1933, Serial No. 669,707
15 Claims. (Cl. 166—19)



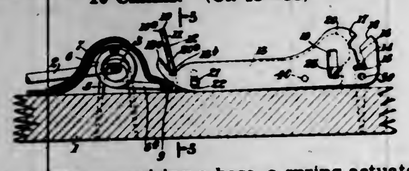
1. A bailer comprising means providing upper and lower chambers telescopically connected together, a one way valve permitting ingress to the lower chamber, and a slide valve between the chambers operable by telescoping movement between the chamber forming means for establishing and breaking communication between the chambers.

2,000,751
PUTTY SOFTENER
Oscar P. Glick, Denver, Colo.
Application February 12, 1934, Serial No. 710,819
2 Claims. (Cl. 219—21)



1. A device for softening putty in a window sash comprising: a relatively long backing member; insulating strips extending longitudinally of said backing member along one face thereof; and an electrical heating element contained in grooves of said insulating strips, there being a longitudinal slot exposing said heating element throughout the length of said strip, said slot being of a width less than the diameter of a heating element.

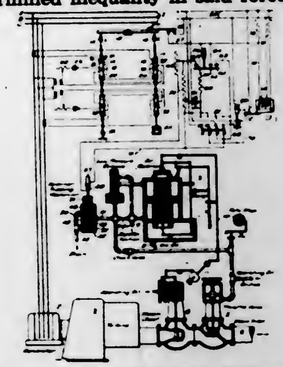
2,000,752
ANIMAL TRAP
Hershey Roy Graybill, Lititz, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application September 13, 1934, Serial No. 743,795
10 Claims. (Cl. 43—83)



1. A trap comprising a base, a spring actuated striker pivoted thereto, a pivoted bait pedal having a portion provided with a trigger, a locking bar provided with a pivotal aperture and a setting shoulder, and locking detent for engaging the striker and a trigger engaging portion, a staple engaging the pivotal aperture of the locking bar, one of the contiguous faces of said locking bar and one leg of said staple being provided with a projection located adjacent to said aperture, and at all times contacting with the other of said contiguous faces.

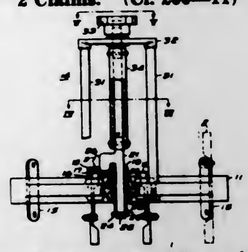
2,000,753
ELECTROMAGNETIC OVER-SPEED PROTECTION
Samuel B. Griscom, Pittsburgh, and Homer C. Nyman, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1933, Serial No. 670,486
19 Claims. (Cl. 290—40)

15. Protective mechanism for a synchronous transmission system including a transmission line, a generator, a prime mover for the generator, input-regulating means for the prime mover, and a speed-governor for controlling the input-regulating means, said protective mechanism comprising a transient-anticipator mechanism, electro-responsive means responsive to said transient-anticipator mechanism for taking over the control of said input-regulating means for a brief predetermined time, effecting a control operation in the proper direction before the speed-governor would have had time to act, and subsequently, at the conclusion of said brief predetermined time, restoring the control of said input-regulating means to said speed-governor, said transient-anticipator mechanism comprising means for producing a force responsive quickly to a predetermined suddenly variable electrical quantity of said machine, means for producing a normally substantially equal force responsive, but only sluggishly, to the same suddenly variable electrical quantity, and means including a contact-member for responding to a predetermined inequality in said forces.



16. An electrical metering instrument comprising an electric contact member, a spring biased to close said contact member, a spring biased to open said contact member, a separate electro-responsive member for biasing each spring, means for causing one of said electro-responsive members to move slowly and the other to move quickly, in response to a sudden electrical change, and means for slightly biasing said contact member toward a normal predetermined position.

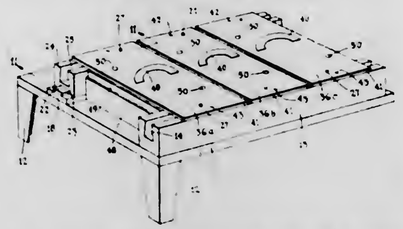
2,000,754
VARIABLE RATIO TRANSFORMER
Henry C. Guhl, Haven, Kans., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 6, 1933, Serial No. 692,460
2 Claims. (Cl. 200—11)



2. A ratio adjuster comprising a base plate, a plurality of contact studs supported by said base and equally spaced in an arc about a central axis, a moving contact member having an opening therein, an operating shaft extending along said axis and through said opening and operatively connected to said movable contact member to operate it from one operative position to another, and means for biasing said movable contact member toward said contact studs, said movable contact member being of sufficient width to engage two adjacent studs and having

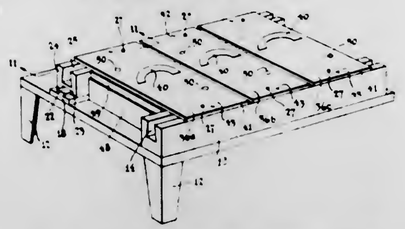
recesses therein spaced to receive the contacting portions thereof and having a supporting leg extending therefrom toward and engaging with said base plate on the side of the shaft remote from the contact engaging portion thereof, the opening in said movable contact member being sufficiently large to permit said member to rock slightly when moved from one operative position to another to insure positive engagement thereof with said contact studs.

2,000,755
DEVICE FOR FORMING PLATE GANGS FOR MULTICOLOR PRINTING
Bernard F. Heck, St. Paul, Minn.
Application June 27, 1932, Serial No. 619,367
14 Claims. (Cl. 113—99)



14. A device for forming plate gangs for multicolor printing from plates having gauge means thereon, said device comprising a pair of spaced supports for the plates of a gang, and gauge means on one of said supports adapted to cooperate with the gauge means on the plates of the various gangs and thereby provide for a definite predetermined relationship between plates in the different gangs.

2,000,756
METHOD OF FORMING PLATE GANGS FOR MULTICOLOR PRINTING
Bernard F. Heck, St. Paul, Minn.
Original application June 27, 1932, Serial No. 619,367. Divided and this application September 23, 1933, Serial No. 690,687
6 Claims. (Cl. 101—401.2)



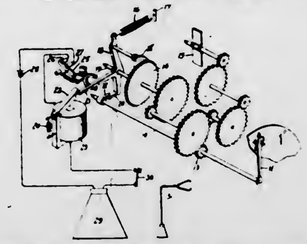
4. The method of forming plate gangs for multi-color printing which consists in drilling gauge holes in the several plates of a gang in identical positions relative to the register marks thereon, in mounting the plates upon a support having gauge pins thereon arranged to enter the gauge holes in the plates with portions of the plates superimposing a backing, in drilling holes through the dead metal of said plates, in casting keys into said holes and to said backing to hold the plates attached to the backing, and in removing the formed gang en bloc from said support and gauge pins.

2,000,757
DETACHABLE CONNECTER
Michael Holczer, Cleveland, Ohio
Application March 9, 1934, Serial No. 714,861
5 Claims. (Cl. 85—8)



1. A combination pin and lock wherein the pin is adapted to fit into an opening and wherein the lock is adapted to prevent the pin from working, or otherwise escaping, out of the opening, comprising a pin having a reduced portion, a major and a minor jaw hinged to each other at one end and adapted to engage the said reduced portion of the pin, the arrangement of the major and minor jaw being such that the major jaw is provided with an off-set extension which extends beyond the end of the minor jaw, and which is wider than the major jaw and is so positioned that its lateral edges are substantially in alignment with the lateral edges of the major and minor jaws when they are in their closed position, securing means adapted to slidably engage the said extension, said securing means being also adapted to slidably engage the major and minor jaws to secure them in their closed position, and means for retaining the securing means in its engaging position to secure the major and minor jaws in their closed position, whereby the arrangement of the jaws and securing means locks the pin against escaping from the opening.

2,000,758
TIMER
Philip E. Hosegood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1933, Serial No. 673,496
1 Claim. (Cl. 177—386)



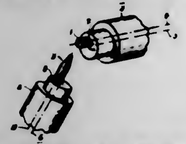
A timer for determining distances by the sound echo method, comprising a dial graduated in distance units, a time shaft having a pointer cooperating with said dial, a stop for said shaft for stopping the pointer at a predetermined indication on said dial, a speed multiplying gear train having a ratchet driving wheel at the low speed end and a speed controlling governor driven from the high speed end thereof, said train being connected in driving relation with said time shaft at an intermediate point so as to cause the time shaft to make one complete revolution for the advancement of the ratchet wheel a distance of one of its teeth, a ratchet pawl and operating lever for advanc-

ing said ratchet wheel, a spring secured to said lever and tensioned when the lever is moved to retract said pawl for supplying energy to drive said gear train, means operated by the last mentioned movement of said lever for disengaging the stop for the time shaft, sound-producing means and a relay included in an electric circuit, a manual energizing switch and an automatic deenergizing switch in said circuit, said relay when energized moving said lever to retract said pawl, tension said spring, release said time shaft, and open said automatic switch.

2,000,759
METHOD OF CURING CONCRETE
Arthur A. Johnson, Great Neck, N. Y.
No Drawing. Application April 15, 1933, Serial No. 666,253
9 Claims. (Cl. 25—154)

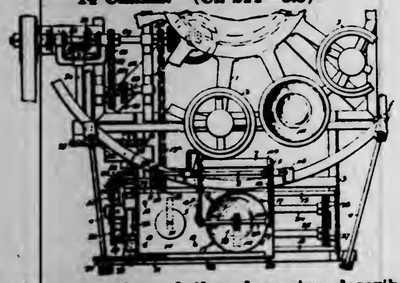
1. The method of curing concrete, which consists in covering the exposed surfaces of the concrete to be cured with a mixture of bitumen and rubber.

2,000,760
ARC LAMP PROJECTOR
Johannes Kiefer, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application January 19, 1933, Serial No. 652,544
In Germany January 28, 1932
4 Claims. (Cl. 176—66)



1. In an arc lamp, the combination of a reflector, a pair of cooperating electrodes, said electrodes being respectively movable laterally in relation to fixed axes, at least one of said axes coinciding with the focal axis of said reflector, and means for continually moving said electrodes during operation of said lamp.

2,000,761
DEVICE FOR FEEDING PLATES ONTO A CONVEYER
John F. Kohler, White Plains, N. Y.
Application May 31, 1933, Serial No. 673,707
14 Claims. (Cl. 214—8.5)



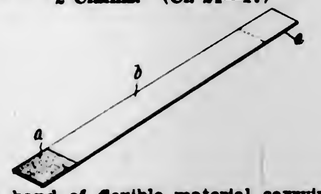
1. An apparatus of the character described, including means for supporting a stack of plates in proximity to a traveling support, a shaft, arms carried thereby, an electromagnet carried by said arms and adapted to take a plate from said stack and deliver it onto said support, a gear on said shaft, a rack bar for operating said gear, a second shaft having crank means for operating said rack bar, a revolvable circuit controlling member mounted on said second shaft and brushes co-operating with said circuit controlling means whereby said electromagnet will be alternately energized and de-energized by the action of said circuit controlling means.

2,000,762
FLUID JET PUMP
Hans Kraft, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1933, Serial No. 695,299
4 Claims. (Cl. 103—267)



1. In a jet pump, a casing defining a suction chamber having an inlet and a discharge conduit with a flaring portion, a nozzle projecting into the suction chamber for discharging an impelling fluid in axial direction of the discharge conduit, and means for impelling a boundary layer of slowly moving fluid in the flaring portion of the discharge conduit comprising a ring of auxiliary nozzles for discharging impelling fluid in tangential direction along the wall of the flaring portion of the discharge conduit.

2,000,763
BAND
John D. Lane, Boston, Mass., assignor to Ralph H. Wilbur, Melrose, Mass.
Original application filed September 2, 1933, Serial No. 687,951. Divided and this application May 5, 1934, Serial No. 724,127
2 Claims. (Cl. 24—17)

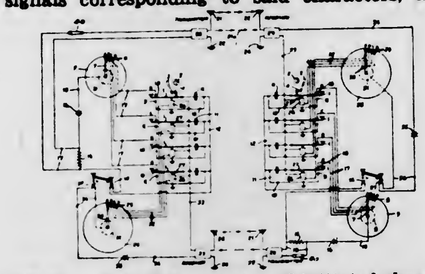


1. A band of flexible material carrying thin flexible rubber coatings comprised of dried and coalesced rubber latex particles only on opposite faces of opposite marginal portions, said coatings presenting exposed rubber surfaces and being firmly cohesive under pressure but practically non-adhesive with the uncoated surface of the band.

2,000,764
COMMUNICATION SYSTEM
Walter S. Lemmon, New York, N. Y., and Clyde J. Fitch, Jersey City, N. J., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Application February 10, 1934, Serial No. 710,614
16 Claims. (Cl. 178—4)

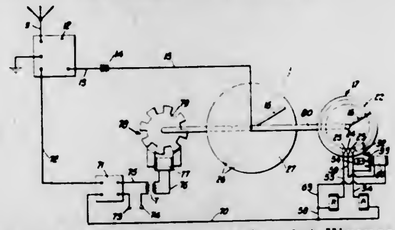
1. In a communication system, capacitive reactance devices corresponding to characters to be transmitted, means to supply current to said

devices, means for initiating transmission of signals corresponding to said characters, and



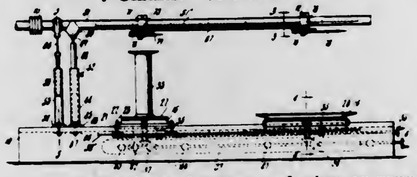
means to effect transmission of initiated character signals upon supplying current to said devices.

2,000,765
COMMUNICATION SYSTEM
Walter S. Lemmon, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 15, 1934, Serial No. 711,313
9 Claims. (Cl. 178—53)



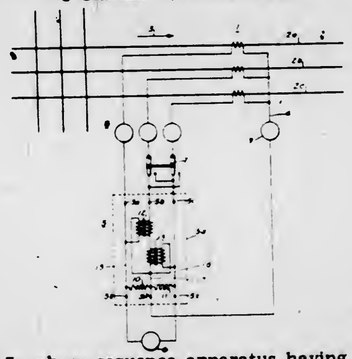
1. In a system for conveying intelligence by electrical impulses, in combination, a sender comprising a collector operating at uniform speed and a receiver comprising a distributor adapted to operate at substantially the same speed, said system including means in the sender for transmitting a distributor-operating impulse at a predetermined point in each cycle and signal impulses at other times, means in the receiver responsive to the reception of the operating impulses to rotate the distributor at the same speed as the sending collector, and to adjust it into phase correspondence, and means responsive to phase correspondence for discriminating between the operating and signal impulses.

2,000,766
REPRODUCING APPARATUS
Gene Leofanti, Dongan Hills, N. Y.
Application May 10, 1934, Serial No. 724,959
7 Claims. (Cl. 33—24)



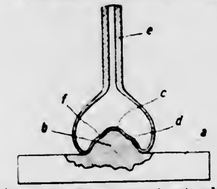
1. Apparatus for enlarging, reducing or reproducing statutary and like form, including a base with a plurality of equi-spaced tracks extending longitudinally along its top, a pair of turntables, slidable on the base along said tracks and operably movable longitudinally and circularly in unison thereon, means in the base in connection with said turntables for operating same, an extensible standard post mounted on a pair of said rails slidable along the longitudinal axis of the base, clamping means for engaging the post to the tracks and the base, a pantograph beam disposed perpendicular to and pivotally mounted on said post, a plurality of horizontally movable, coacting scribing tools in operable connection with the beam and with each other for working on the form and block on the respective turntables, and balancing means in connection with the base and one end portion of the beam for retaining the beam in position during the operating movements of the scribing tools.

2,000,767
PHASE SEQUENCE APPARATUS
William A. Lewis, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1933, Serial No. 704,309
8 Claims. (Cl. 175—294)



1. In phase sequence apparatus having phase conductors comprising a three-phase input circuit and having an output circuit in electrical communication with said input circuit, means for preventing zero sequence currents of said input circuit from traversing said output circuit comprising a pair of current transformers each having a winding connected in series with one of said phase conductors and an additional winding, said additional windings being connected between said one of said phase conductors and the remaining phase conductors of said input circuit.

2,000,768
METHOD OF MAKING CONTACT GLASSES FOR EYES
Rüdolf Lincke, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application June 29, 1934, Serial No. 733,149
In Germany July 6, 1933
1 Claim. (Cl. 49—79)



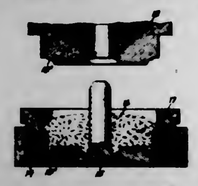
A method of making contact glasses for eyes, consisting in blowing a bulb of plastic glass, then

blowing this plastic bulb against a convex form, so as to give part of the bulb the shape of a shell and to make the final interior surface of this shell correspond to the interior surface of a contact glass, then allowing the blown bulb to become solid and separating the shell from the bulb, and finally so grinding and polishing the exterior surface of the separated shell as to give the central part of the shell the effect of a lens and to provide the peripheral part of the shell with a smooth edge.

2,000,769
NONMETALLIC GEAR WHEELS

Clarence W. Mansur, Malden, Mass., assignor to General Electric Company, a corporation of New York

Application August 17, 1932, Serial No. 629,149
12 Claims. (Cl. 154—2)



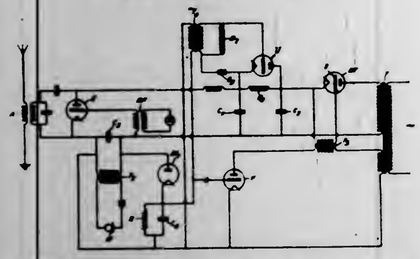
1. A gear wheel or gear wheel blank having a rim comprising a strip of woven cloth wound edgewise on itself and united by an adhesive, the inner edge of the strip having spaced projections, and a web comprising non-metallic material united by an adhesive, material of the web being located in the spaces among said projections for uniting the rim to the web.

4. The method of manufacturing a non-metallic gear wheel or gear wheel blank which comprises winding edgewise a strip of woven cloth having projections along one edge to form a ring with the projections on the inside, and molding a central portion of non-metallic material within the ring and around said projections on the ring.

2,000,770
MODULATION

Emil Mayer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 28, 1933, Serial No. 677,978
In Germany June 17, 1932
13 Claims. (Cl. 179—171)

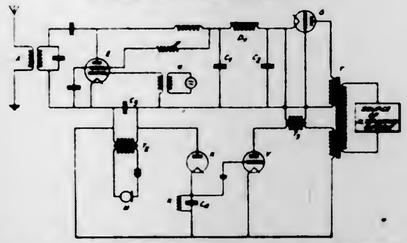


1. Signalling means comprising, a source of high frequency oscillations, a thermionic repeater tube coupled by a circuit with said source, a source of modulating pontentials connected with said circuit between said source of high frequency oscillations and said repeater, a source of alternating current, a thermionic rectifier having its input electrodes connected with said source of alternating current, a filter circuit including an impedance connecting the output electrodes of said rectifier to the electrodes in said thermionic repeater, and a coupling including a second rectifier between said source of modulating potentials and a control electrode in said first named rectifier.

2,000,771
MODULATION

Otto Böhm, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 27, 1933, Serial No. 695,396
In Germany October 12, 1932
1 Claim. (Cl. 179—171)

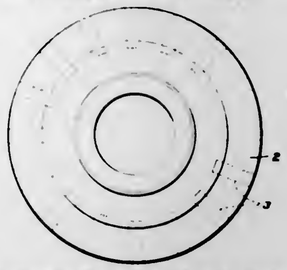


In a telephony signalling system, a thermionic tube having anode electrode, control grid electrode, screen-like electrode and cathode electrode, said tube when energized having a low amplification factor reciprocal, a source of high frequency oscillations connected with the control grid electrode of said tube, a source of modulating potentials connected with the control grid of said tube, and means for maintaining a desired relation between the amplitude of the high frequency waves and of the modulating potentials to control the degree of modulation including a rectifier of the controllable type connected at its input to a source of alternating current and at its output to the anode and screen-like and cathode electrodes of said tube to energize the same and a circuit energized by modulating potentials connected with said rectifier for controlling the rectifying action thereof.

2,000,772
GRINDSTONE

William H. McGill, Winchester, Mass.

Application September 24, 1934, Serial No. 745,185
7 Claims. (Cl. 51—206)

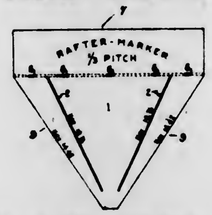


1. A grinding wheel of natural stone having inserts of a different abrasive material secured therein, the surfaces of said inserts being exposed at the grinding face of the stone.

2,000,773
CARPENTER'S TOOL

John R. McGlauflin, Denver, Colo.

Application November 10, 1933, Serial No. 697,438
4 Claims. (Cl. 33—112)

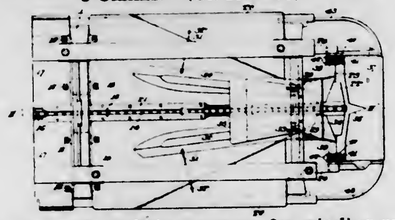


1. A rafter marker comprising: a face plate; a squaring plate projecting perpendicularly from said face plate; a pair of diagonal edges formed in said squaring plate and inclined toward each other, each of said edges forming an angle with said face plate equal to the bevel cut on a rafter of a certain given pitch; and a second pair of diagonal edges formed in said squaring plate, each of said second pair of edges forming an angle with the face plate equal to the bevel cut on hip and valley rafters of the same specific pitch.

2,000,774
BOBBIN CONVEYER FOR WINDING MACHINES

John O. McKean, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts

Application March 22, 1933, Serial No. 662,012
5 Claims. (Cl. 198—73)



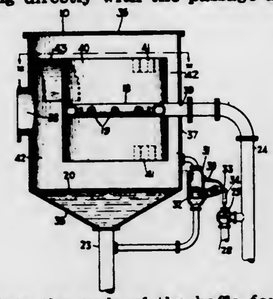
1. An empty bobbin conveyor for winding machines, means for actuating said conveyer and means for delivering the bobbins from said conveyer, comprising a bobbin slide pivoted at its delivery end, a counterbalance, a pulley, and a flexible member passing over said pulley connecting said counterbalance with said bobbin slide.

2,000,775
REFRIGERATION APPARATUS

John W. McNulty, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 4, 1932, Serial No. 641,296
12 Claims. (Cl. 62—152)

1. In refrigerating apparatus, the combination of a spray tank comprising end walls and a tubular wall joining the end walls; a sleeve-like baffle element arranged within the tank with the axis thereof disposed substantially parallel to the axis of the tubular wall; the baffle element being spaced from the tubular wall of the tank to provide a continuous passage therebetween, and the ends of the baffle being spaced from the end walls of the tank to provide communication between the interior of the baffle and the passage; means disposed within the baffle for spraying liquid refrigerant into the tank; means communicating directly with the passage at a point

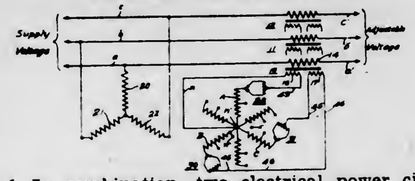


intermediate the ends of the baffle for effecting a vacuous condition inside of the tank; and means for withdrawing cooled liquid from the tank.

2,000,776
REGULATING SYSTEM

James T. Mercereau, Sharon, and Albert J. Maslin, Sharpsville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 19, 1932, Serial No. 638,584
6 Claims. (Cl. 172—238)



1. In combination, two electrical power circuits, a series transformer, comprising two primary windings and a secondary winding, joining together conductively, through its secondary winding, each conductor of one power circuit with the corresponding conductor of the other power circuit, two sources of voltage for respectively energizing said two primary windings of each transformer, the voltage of the first source being substantially in phase with the power voltage acting on the given conductor and the voltage of the second source having a substantial out-of-phase relation thereto, means for independently adjusting the magnitude of each of said voltages, and means for preventing the primary windings of said transformers from being open circuited when the said two energizing voltages for each transformer are simultaneously adjusted within the regions of zero magnitude.

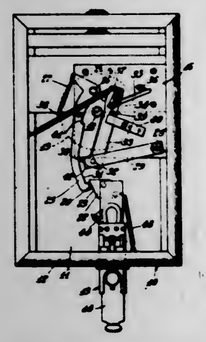
2,000,777
FILTERING PRODUCT AND PROCESS OF MAKING THE SAME

Corwin R. Minton, Los Angeles, Calif., assignor of one-third to William B. Phillips and one-third to Burdick R. Ellis, both of Los Angeles, Calif.

No Drawing. Application April 18, 1933, Serial No. 666,734
5 Claims. (Cl. 210—205)

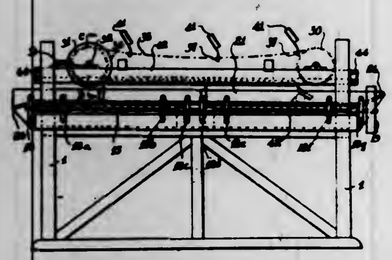
4. A porous ceramic filtering body, comprising; siliceous particles of a splintery and feathery nature; and a vitreous ceramic bonding material.

2,000,778
GAME APPARATUS
John F. Meyer, Chicago, Ill.
Application November 24, 1933, Serial No. 699,492
7 Claims. (Cl. 273—142)



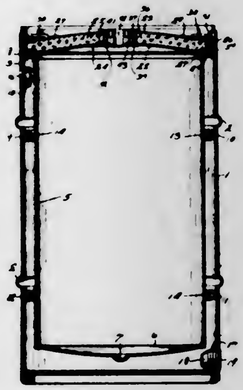
1. A game apparatus, comprising the combination of: a cabinet having a substantially horizontal transparent top; a rotatable gear member arranged in the cabinet; a disc carried by said gear member, so as to be rotatable therewith, between said gear member and said transparent top; a coin control device arranged at a point on the cabinet and including a coin slide; means operatively interconnecting said coin slide and said gear member for converting sliding movement of said coin slide into rotating, spinning movement of said gear member and disc; a latching mechanism associated with said means and coin slide; said latching mechanism being rendered effective by movement of said coin slide into coin-releasing position and being released by the return movement of said coin slide into idle position so as to delay rotation of said gear member and disc until the coin slide has completed its movement into coin-releasing position and is returning to idle position; and means cooperating with said disc to provide a pocket in said cabinet between the said top thereof and said disc for the reception of a ball or the like.

2,000,779
MACHINE FOR BRUSHING CITRUS OR OTHER FRUITS
Trevlyn Whittal Miller, Malvern, Kemgha, Union of South Africa
Application May 11, 1933, Serial No. 670,668
In Union of South Africa July 14, 1932
4 Claims. (Cl. 146—202)



1. An apparatus for treating fruit comprising a frame, means for feeding fruit through said apparatus, a set of spaced upwardly directed brushes arranged at right angles to the direction of movement of said fruit and supporting said fruit in its travel through the apparatus, means for reciprocating said set of brushes, a second set of upwardly directed brushes located between the brushes of said first set, means for reciprocating said second set of brushes oppositely to said first set, endless means located directly above said sets of reciprocating brushes, flexible tongues attached to said endless means and brushes carried by said tongues to brush or wipe the fruit upon said sets of reciprocating brushes and to assist in propelling the fruit through the apparatus and to increase the effectiveness of the cleaning operation.

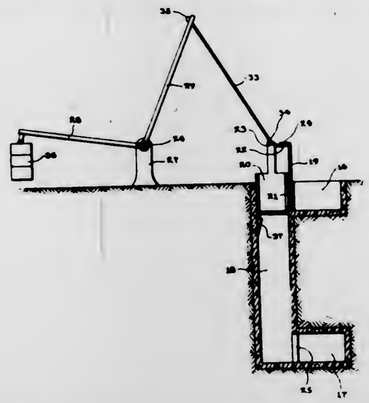
2,000,780
METALLIC CONTAINER
Walter R. Miller, Mansfield, Ohio
Application September 7, 1933, Serial No. 688,508
3 Claims. (Cl. 220—13)



3. A container, comprising inner and outer shells each having an open end, means securing the inner shell at its open end to the outer shell at a point inwardly of the open end thereof, a cover supported by said means for closing the open end of the inner shell and completely disposed within the open end of the outer shell, an annulus surrounding the inner shell and abutting the inner wall of the outer shell, said annulus being formed to provide a channel in its inner face, and an annulus of insulation disposed in said channel and contacting with the inner shell to maintain the latter in spaced relation with the outer shell.

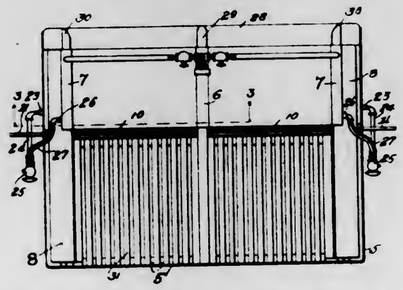
2,000,781
WATER MOTOR
George McF. Mood, Charleston, S. C.
Application April 7, 1932, Serial No. 603,848
8 Claims. (Cl. 253—19)

1. Apparatus of the character described, comprising a sluice-way consisting of an upper supply duct and a lower waste duct communicating through hollow shaft passages, buckets mounted for reciprocation in said shaft passages and arranged to receive water from the supply duct, said buckets descending in the shaft passages, due to the weight of the water received and acting to dump said water into the waste duct, means for raising each bucket independently of the other buckets after said bucket has dumped its contents into the waste duct, and



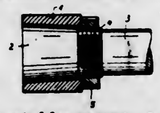
means for utilizing movements of each bucket for generating power.

2,000,782
STEAM WRAPPING SEALER
Joseph W. Moore, Bristol, Va.
Application August 14, 1933, Serial No. 685,141
Renewed March 2, 1935
1 Claim. (Cl. 93—2)



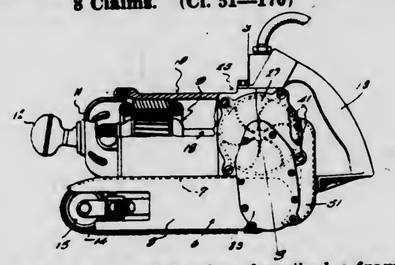
In an apparatus of the class described, the combination of an angle iron frame, a flat hollow heating unit and a slatted platform within and supported by said frame, said heating unit provided with an upstanding hollow central heating unit, plates near the ends of said first mentioned heating unit, said plates extending across said first mentioned heating unit and said platform, said plates provided only above said first mentioned heating unit with upstanding end heating units, each plate provided with a pair of depending threaded extensions between said first mentioned heating unit and said platform, said first mentioned heating unit provided with a pair of lugs contiguous to said platform, threaded rotatable shafts extending through said frame and depending threaded extensions and journalled at their inner ends in said pair of lugs, a wood guard between portions of said frame and against the outer edge of said first mentioned heating unit, wood guards at the outer ends of said central and end heating units, said central and end heating units provided with inlets, and valved tubing connected to said inlets, substantially as shown and described.

2,000,783
ADJUSTABLE GAUGE
Otto Max Müller, Berlin-Lichterfelde, Germany
Application November 27, 1933, Serial No. 700,010
In Germany November 17, 1930
11 Claims. (Cl. 33—178)



1. In an adjustable gauge, a continuous annular gauging member having a gauging face and a seating face, an adjusting member having a seating face adapted to engage the seating face of said gauging member so as to vary the diameter of said gauging member at its gauging face by relative displacement of said two members, the length of said seating faces being equal to the length of one of said members; and means for effecting relative displacement of said gauging and said adjusting member.

2,000,784
PORTABLE SANDERPLANE
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio
Application October 2, 1934, Serial No. 746,612
8 Claims. (Cl. 51—170)

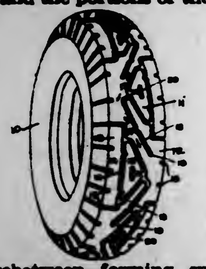


1. In a structure of the class described, a frame, sanding means on said frame, an electric motor supported on the frame, said motor including a shaft and a casing therefor having an apertured cap at one end, a power take-off shaft mounted for rotation on the other end of said frame located at right angles to the motor shaft, an operating connection between said shafts, a ventilating fan housing on said frame located at the last named end of said motor casing, said power take-off shaft extending through said fan housing, and a rotary fan also mounted on said last named shaft.

2,000,785
VEHICLE TIRE
Arthur H. Nellen and Frederick Leopold, Jr., Harmonville, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application July 14, 1934, Serial No. 735,122
1 Claim. (Cl. 152—14)

In a vehicle tire, in combination, an inner main body, an outer tread body of rubber having substantially circumferentially continuous opposed tread edges or shoulders, and traction-affording bars provided in said tread body for interconnecting the said opposed tread edges or shoulders at circumferentially spaced intervals, said bars being each of a depth sufficient to dispose their road-engaging surfaces substantially in the plane

of the road-engaging surfaces of said tread edges, adjacent bars and the portions of the tread edges



included therebetween forming spaces within which are provided anti-skid formations.

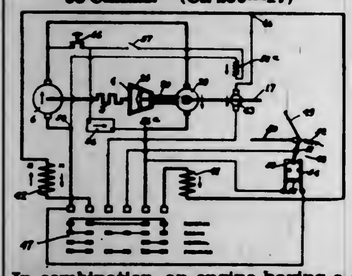
2,000,786

ELECTRIC SYSTEM AND CONTROL FOR MOTOR VEHICLES AND OTHER PURPOSES

Alfred H. Neuland, Irvington, N. J., assignor to Electrogear Corporation, a corporation of Delaware

Application January 12, 1931, Serial No. 508,094

63 Claims. (Cl. 290—17)



61. In combination, an engine having a throttle mechanism and a shaft, a load shaft, two electrically interconnected dynamos for transmitting power between the shafts, and means operated by movement of the throttle mechanism for establishing unidirectional flow of power from the engine shaft to the load shaft when the throttle mechanism is in one position and for establishing unidirectional flow of power from the load shaft to the engine shaft when the throttle mechanism is in another position.

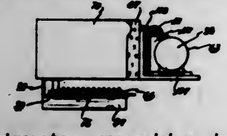
2,000,787

REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Application June 20, 1932, Serial No. 618,126

12 Claims. (Cl. 62—116)



12. A refrigerator comprising in combination, an insulated cabinet having a plurality of compartments separated from one another to prevent the free flow of air therebetween, said cabinet having an opening, a single door for closing said opening, a unitary refrigerating apparatus including two evaporators, one for each compartment, said unitary apparatus also including a condensing element connected with the evaporators, said apparatus being removable and insertible as a unit through said opening.

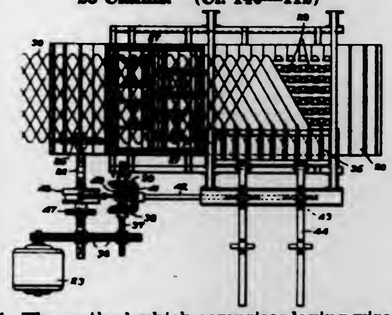
2,000,788

METHOD OF MAKING WIRE FABRIC

William Edgar Reed, Pittsburgh, Pa.

Application April 12, 1923, Serial No. 665,710

25 Claims. (Cl. 140—112)



1. The method which comprises laying wires by a reciprocatory movement in a given plane, bending said wires around supports at the ends of the paths of travel in directions parallel to said plane, and uniting the wires thus laid to form a fabric.

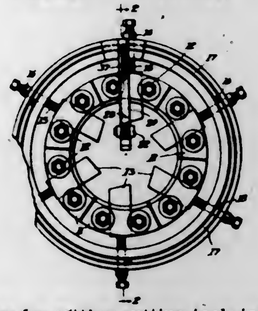
2,000,789

TOOL SETTING GAUGE

Charles C. Reis, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill., a corporation of New Jersey

Application September 16, 1931, Serial No. 563,157

4 Claims. (Cl. 33—185)



1. A gauge for setting cutting tools including in combination with a tool carrying ring having a number of cutting tools positioned radially thereon, of an arm for attachment to the ring to one side of the same, means on the arm for cooperation with complementary means on the ring for attaching the arm to the ring, whereby said arm when in secured position on the ring is substantially parallel with a cutting tool, a block carrying means for adjustably securing the same to the arm, an indicating member pivotally secured to the block, and means forming part of said indicating member for contact with the cutting tool associated with the arm.

2,000,790

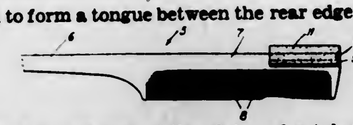
DYE SWAB AND COMB COMBINATION

Lee B. Rever, New York, N. Y., assignor to Rapidol Distributing Corp., New York, N. Y., a corporation of New Jersey

Application February 19, 1934, Serial No. 712,022

1 Claim. (Cl. 132—12)

In combination, a comb including a back, a series of teeth extending from said back, the latter having a slot extending longitudinally from one end to form a tongue between the rear edge of said



back and one side of the slot, and a tubular dye swab around said tongue.

2,000,791

BATHTUB AND SHOWER CONTROL VALVE

Victor E. Schmiedeknecht, Louisville, Ky.

Application November 23, 1934, Serial No. 754,506

9 Claims. (Cl. 277—13)



1. In a bath apparatus including a tub faucet and a shower head, a valve casing having an inlet and an outlet communicating with said faucet and a second outlet communicating with said shower head, said valve casing having an outlet passage in said casing opening directly from the second outlet to the first outlet, and a single valve means in said casing movable between a position to place said inlet into communication with the outlet to said faucet and a position to place said inlet in communication with said shower head, said valve means being arranged to open said passage when in the first position and to close the same when in the second position.

2,000,792

SPRINKLER HEAD FOR SHOWER BATHS

Victor E. Schmiedeknecht, Louisville, Ky.

Application November 23, 1934, Serial No. 754,507

9 Claims. (Cl. 299—144)



1. A sprinkler head for shower baths including a hollow main member having at its lower end a pair of opposed valve seats, a valve member mounted in said hollow member for vertical movement therein and having a peripheral groove at its lower end, the upper and lower faces of said groove being shaped to seat respectively on said valve seats, the lower of said seats being provided with a series of notches, and means to actuate said valve.

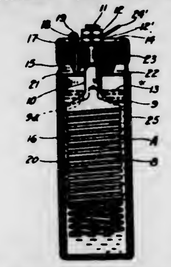
2,000,793

SEALING MEANS FOR ELECTROLYTIC DEVICES

Frank Desmond Sprague and Frederick W. McNamara, North Adams, Mass., assignors to Sprague Specialties Co., Quincy, Mass., a corporation of Massachusetts

Application November 10, 1930, Serial No. 494,764

6 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a cover of insulating material and an electrode provided with a stem projecting through the cover, a recess in said cover, an annular gasket and a flexible annular metal washer, both surrounding said stem and disposed in said recess, and means to fasten the stem to the cover, said fastening means also causing compression of the gasket to insure a liquid and air-tight seal between the stem and the cover.

2,000,794

PROCESS FOR PRODUCING FAST TINTS ON ANIMAL FIBERS

Fritz Straub, Basel, and Hermann Schneider, Riehen, near Basel, Switzerland, assignors to "Society of Chemical Industry in Basle," Basel, Switzerland

No Drawing. Application July 17, 1933, Serial No. 680,896. In Switzerland August 19, 1932

13 Claims. (Cl. 8—5)

1. Process for producing fast tints on animal fibers, consisting in using for the dyeing, on the one part, chromium compounds of azo-dyestuffs of the general formula R—N=N—R_1 wherein R stands for an aromatic radical containing a group capable of being chromed, and R_1 for the radical of a coupling component, and on the other part, dye-baths which, beside inorganic acids, contain aromatic acids.

2,000,795

CLOSURE

Frank E. Sweeney, Roselle, N. J., assignor to Sweeney-Block & Co., Inc., New York, N. Y., a corporation of New York

Application November 10, 1934, Serial No. 752,539

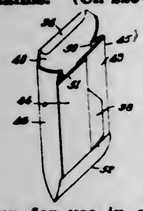
4 Claims. (Cl. 24—205)



1. In a closure for disengageably connecting or drawing together two edges of a commodity made of relatively thin material, an edge construction

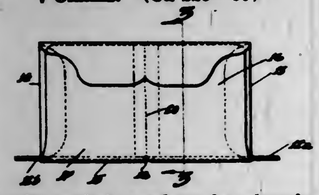
comprising a single ply of material folded upon itself to form several superimposed adjacent upper and lower double layers, of which layers the upper double layer is provided at its free edge with a reinforcement, while the lowermost double layer forms a free edge, adapted to serve as attaching means for a slide fastener and a slide fastener secured to said lowermost double layer.

2,000,796
PAPER DRINKING CUP
Willard E. Swift and Francis P. Swallow, Worcester, Mass., assignors to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application July 20, 1931, Serial No. 551,932
4 Claims. (Cl. 229—53)



1. A paper cup for use in a dispensing container, the latter having a dispensing opening with supporting lips on opposite sides thereof, said cup having side and end walls, said end walls having reentrant creases to provide for collapse of said cup to a flat condition, one of said side walls being substantially wider than the other of said side walls, the wider wall being somewhat wider and the narrower wall being somewhat less wide than the spacing between the supporting lips of the container to provide for passage of the narrower wall between said lips and to prevent accidental passage of the wider wall therebetween.

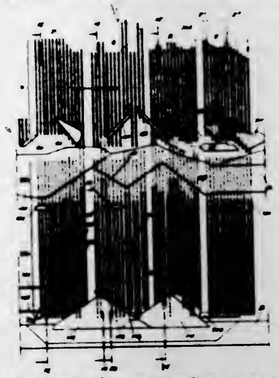
2,000,797
CHURCH COLLECTION ENVELOPE AND METHOD OF MAKING THE SAME
Willard Everett Swift, Jr., Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application October 21, 1932, Serial No. 638,928
7 Claims. (Cl. 229—69)



1. A multi-pocket envelope for church collections and the like, having a rip string contained within and projecting beyond the two ends of one of the envelope's marginal folds which is common to its several pockets, said string being severed at a point between adjacent pockets.

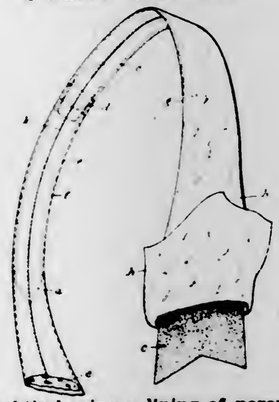
2,000,798
CIRCULAR KNITTING MACHINE
Harry Swinglehurst, Jr., Floral Park, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application March 25, 1933, Serial No. 662,733
18 Claims. (Cl. 66—50)

1. In a circular knitting machine having independent needles and pattern jacks for same, means for feeding wrap, body and plating yarns at separate points, in combination with means for selecting jacks and needles vertically for wrapping and then lowering same, and cam means



located adjacent the wrapping means adapted to select and raise jacks and needles from both wrap and non-wrap jacks and needles to take the plating yarn as well as the main yarn.

2,000,799
NECKTIE
Franz Heinz Tesch and Elisabeth Tesch, Hanover, Germany
Application June 9, 1933, Serial No. 675,080
In Germany December 21, 1932
6 Claims. (Cl. 2—146)

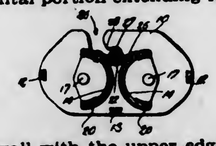


1. A necktie having a lining of porous rubber having a rough exterior surface and positioned at least in the knot-forming portion of the tie.

2,000,800
RAZOR BLADE SHARPENER
Michael Tollins, Dorchester, Mass.
Application May 1, 1933, Serial No. 668,841
1 Claim. (Cl. 51—80)

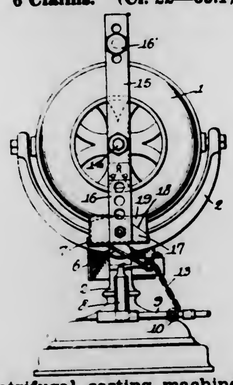
In a safety razor blade sharpener, a frame comprising side walls and connecting bars, a pair of cooperating semi-circular sharpening cylinders journalled in the walls and a razor blade holder removably supported in the walls to present the cutting edges of a blade to the action of the convex sides of the sharpening cylinders and capable of rotation while in the frame when the open sides

of the cylinders are directed toward the holder to present the opposite sides of the cutting edges to the action of the sharpening cylinders, one of the walls having a bearing opening therein for the blade holder and the other wall having an angular slot forming a bearing for the other end of the holder, the angular slot including a vertical portion opening at the upper edge of the side wall and a horizontal portion extending longitudinally



of the side wall with the upper edge of the wall forming the horizontal slot having an indenture therein providing a depending part overhanging at the entrance to the horizontal slot to prevent accidental disengagement of the holder from the frame, each grinding cylinder having an end wall and bearing pin journalled in the side walls and meshing gears respectively carried by corresponding ends of the cylinders.

2,000,801
DENTAL CASTING MACHINE
Chris S. Van Horn, Bloomsburg, Pa.
Application December 15, 1932, Serial No. 647,449
6 Claims. (Cl. 22—65.1)

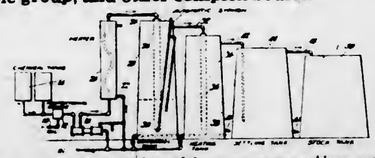


5. A centrifugal casting machine including a support, a member carried by the support for holding a flask, crucible, ingate and mold, said member, when stationary, being in substantially horizontal position, and means for rotating said support to tilt said member automatically into position to maintain the liquid metal under pressure in the ingate and mold along lines substantially parallel with the lines of force incident to the rapid rotation of the support.

2,000,802
BREAKING OF OIL-WATER EMULSIONS
John Charles Walker, Eldorado, Kans., assignor, by mesne assignments, to The Tretolite Company, Webster Groves, Mo., a corporation of Missouri
Application September 2, 1921, Serial No. 498,078
16 Claims. (Cl. 196—4)

1. A method of breaking emulsions of water-in-oil comprising mixing therewith the mixture of reaction products resulting from the sulfonation of a mixture of substantially equal proportions of commercial benzene and commercial oleic acid.

5. A process for breaking petroleum emulsions, characterized by subjecting the emulsion to the action of a demulsifying agent consisting of a mixture comprising a condensation product of a fatty body and a non-hydroxy-mono-cyclic aromatic group, and other complex bodies.

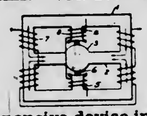


6. A process for breaking or separating petroleum emulsions, characterized by subjecting the emulsion to the action of a treating agent consisting of a mixture comprising a condensation product containing a sulpho-aromatic, soap-forming acid and other complex organic bodies, produced by sulphonating a mass composed of an organic soap-forming acid and an aromatic compound in which the proportion of aromatic molecules to soap-forming molecules is greater than the ratio of one to one.

9. A process for breaking petroleum emulsions, characterized by subjecting the emulsion to the action of a demulsifying agent consisting of a mixture containing a condensation product of an organic detergent-forming group and an aromatic group, and other complex bodies produced by sulfonating a mixture of an organic detergent-forming compound and an aromatic compound.

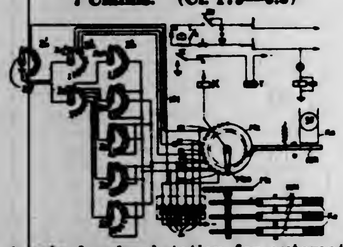
15. A process for breaking or separating petroleum emulsions, characterized by subjecting the emulsion to the action of a treating agent consisting of a mixture comprising a condensation product containing a sulpho-aromatic, soap-forming acid and other complex bodies, produced by subjecting an organic soap-forming acid in which the carboxyl group is blocked and non-reactive, to the action of an aromatic in the presence of a sulphonating agent.

2,000,803
ELECTRORESPONSIVE DEVICE
Albert R. van C. Warrington, Media, Pa., assignor to General Electric Company, a corporation of New York
Application June 11, 1932, Serial No. 616,612
12 Claims. (Cl. 175—294)



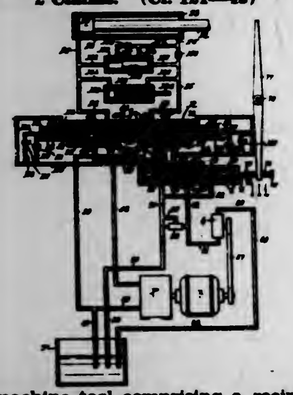
1. An electroresponsive device including a magnetic loop locally enlarged, a polar projection extending from said loop toward said enlargement, a movable circuit controlling member including a closed-circuit winding around said enlargement movable in the gap between the pole face and the enlargement, a winding on said loop, a winding on said polar projection, said windings being arranged, when energized, to produce fluxes respectively through and transversely to the closed-circuit winding when this winding is in the neutral position, said closed-circuit winding being normally in a circuit controlling position displaced from its neutral position so as to be threaded by substantially all of one of said fluxes and at least a part of another of said fluxes whereby to provide two cooperating torques respectively dependent on the product of the electric quantities energizing said windings and the square of the quantity energizing one of the windings and to move the closed-circuit winding toward its neutral position when one of said fluxes changes relatively to the other.

2,000,204
COIN FREED SUBSTATION FOR AUTOMATIC TELEPHONE SYSTEMS
Ernst Wehren, Bern, Switzerland
Application December 16, 1932, Serial No. 647,681
In Germany December 18, 1931
7 Claims. (Cl. 179—6.3)



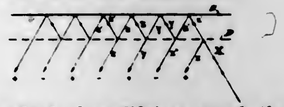
1. A coin freed substation for automatic telephone systems comprising a numeral dial, selectors having contact banks, a coin counting device operated step by step including contacts connected with the contact banks of said selectors which contact banks are at least partly connected in series and adjustable by the numeral dial.

2,000,205
MACHINE TOOL AND HYDRAULIC ACTUATING MECHANISM THEREFOR
Donald H. West, Marlboro, and Kenneth C. Monroe, Hudson, Mass., assignors to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application March 16, 1932, Serial No. 599,188
2 Claims. (Cl. 121—45)



1. A machine tool comprising a reciprocating member, a main cylinder and piston connected to move said member, a source of supply of liquid under pressure, connections from said source of liquid supply to each end of said main cylinder, a reversing valve in said connections, a control valve for said reversing valve, shifting means for said control valve, means associated with said reciprocating member effective to actuate said shifting means as said member approaches each end of its path of travel, and means to cause said reversing valve to move relatively rapidly during the first part of its reversing movement after said control valve is shifted and to move relatively slowly during the latter part of its reversing movement, said reversing valve including a port-closing piston and having a pair of exhaust ports in said connection for the two ends of said cylinder, said ports being axially separated by a distance not less than the axial length of said port-closing piston, whereby one exhaust port will be fully uncovered before said piston begins to cover the second exhaust port and whereby a gradual deceleration of said piston and associated reciprocating member will be effected.

2,000,206
METHOD OF AND APPARATUS FOR SOUND MODIFICATION
Richard M. White, East Cleveland, Ohio, assignor to Macoustic Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1932, Serial No. 612,031
Renewed September 11, 1934
12 Claims. (Cl. 181—30)



1. In a method of modifying sound, the steps which consist in interposing in the path of a sound wave means capable of partially reflecting and partially transmitting therethrough portions of said wave, and then reflecting the transmitted portions of such wave in a phase relationship different to that of the portion initially reflected.

2,000,207
READILY WATER SOLUBLE DRY ALGINATE
Rudolph J. Wig, Los Angeles, Calif., assignor to Kelco Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application July 7, 1933, Serial No. 679,452
14 Claims. (Cl. 252—1)

1. The herein described process of manufacturing a dry readily water soluble alginate; consisting in first mixing moist alginic acid, a carbonate and a soluble sugar, and then drying the mixture.

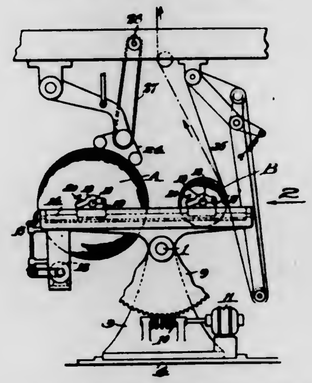
10. A dry, readily water soluble sodium alginate produced by mixing moist sodium alginate and sugar, and then drying the mixture.

2,000,208
TOY
Frederick V. Williams, Olathe, Kans.
Application July 20, 1934, Serial No. 736,256
2 Claims. (Cl. 46—37)



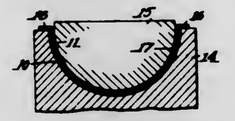
1. A toy, including a plurality of straight sections having a track formation in the top, a plurality of curved sections having track formations in the top, means for disengageably connecting a plurality of straight sections together, means for disengageably connecting the curved sections to one or two of the straight sections, and cupped members disengageably connected to the ends of a group of the connected sections.

2,000,209
ROLL HANDLING MECHANISM
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application September 30, 1930, Serial No. 485,425
Renewed February 7, 1934
10 Claims. (Cl. 242—58)



10. In a device for handling web rolls, the combination of a movable support, bearings laterally movable on said support for a fresh roll of paper, a normally inactive means adapted to drive said fresh roll to rotate the same and bring it up to web speed, and means for moving the support to effect contact of said fresh roll with a traveling web from an expiring roll carried by said support.

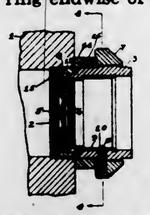
2,000,210
METHOD OF PREPARING ELECTROTYPE PLATES
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 16, 1932, Serial No. 617,532
4 Claims. (Cl. 29—148)



2. The method of preparing an electrotype plate which consists in forming a thin layer by electrodeposition, casting a thin metal back thereon, bending the plate to the desired shape, casting a thick back on the previously cast back, and shaving the interior of the plate to fit it for the printing cylinder.

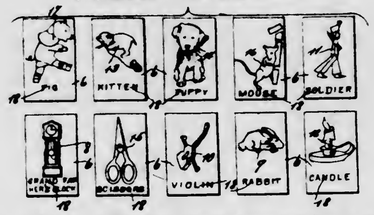
2,000,211
ADJUSTABLE LENS MOUNT
Andrew Wollensak, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application December 11, 1933, Serial No. 701,831
5 Claims. (Cl. 95—64)

1. The combination with a support having a threaded opening, of a barrel, an attaching ring rotatably mounted on the barrel and having a threaded portion engageable with said threaded opening in the support, means for preventing movement of the ring endwise of the barrel, and



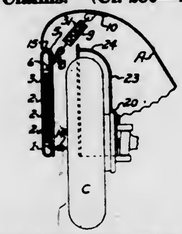
means for adjustably locking the barrel against rotative movement relatively to said ring.

2,000,812
PLAYING CARDS
Richard E. Adams, Moorestown, N. J.
Application June 12, 1934, Serial No. 730,317
2 Claims. (Cl. 273—152)



1. A deck of playing cards comprising a group of cards having indicia of different tangible elements and additionally a second group of cards each bearing a letter of the alphabet, the cards of the last named group being present in the group in frequency approximating the frequency in their appearance in aggregate letters necessary to formation of the words commonly employed in denomination of the aggregate of said tangible elements.

2,000,813
ACTUATED FENDER SHIELD
James Anchor, Detroit, Mich.
Application March 17, 1934, Serial No. 716,089
13 Claims. (Cl. 280—153)

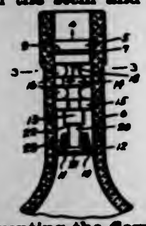


1. In combination with a vehicle front fender, wheel and wheel mounting, a shield releasably attached to the fender, and an actuator member secured to the wheel mounting and adapted to contact said shield during turning of the wheel whereby the shield is displaced from its normal operative position.

2,000,814
NONREFILLABLE BOTTLE
Fabian K. Anderson, Buffalo, N. Y., assignor of thirty-three and one-third per cent to James Quinn and thirty-three and one-third per cent to Edward Regan, Buffalo, N. Y.
Application October 30, 1934, Serial No. 750,732
2 Claims. (Cl. 215—20)

1. A non-refillable bottle comprising a neck, a valve seat in said neck, a stopper mounted in

the neck having fluid passages therein, a stem depending from said stopper, a head on the lower end of said stem flush with the valve seat, and a valve slidable on the stem and engageable with



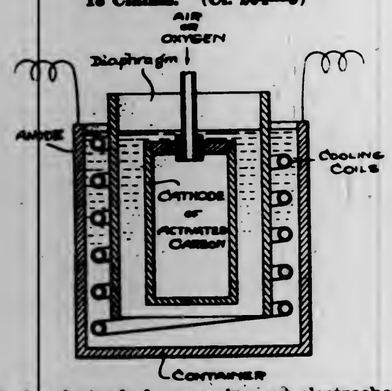
the seat for preventing the flow of fluid into the bottle, said valve further being engageable with the head for preventing leakage between the stem and the valve.

2,000,815

PROCESS FOR CARRYING OUT ELECTRO-CHEMICAL REACTIONS

Ernst Berl, Darmstadt, Germany, assignor to The Mathieson Alkali Works, Inc., a corporation of Virginia

Application September 20, 1931, Serial No. 563,155
In Germany February 3, 1928
18 Claims. (Cl. 204—9)



1. An electrode for carrying out electrochemical reactions containing active carbon and provided with an extremely thin coating of an electrolyte repellant substance covering at least a part of said electrode.

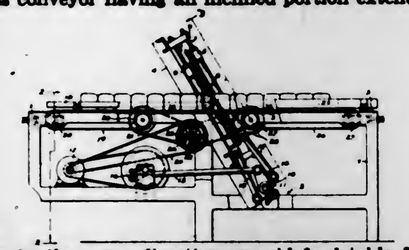
2,000,816

BREAD SLICING MACHINE

William E. Bettendorf and Henry H. York, Bettendorf, Iowa, assignors, by mesne assignments, to The Miller Corporation, Bettendorf, Iowa, a corporation of Delaware

Application November 7, 1931, Serial No. 573,532
6 Claims. (Cl. 146—153)

1. In a bread slicing machine, a plurality of reciprocable slicing blades, a feed table for conducting unsliced bread to said blades, said feed table being inclined with respect to said cutter blades whereby unsliced loaves of bread may move by gravity to said blades, said feeding means and slicing blades being disposed a material distance apart whereby a plurality of loaves of bread may be positioned on said table between said blades and feeding means to absorb the pressure created by said feeding means when said blades are momentarily at rest at the ends of their reciprocations, said feeding means comprising an endless conveyor having an inclined portion extend-



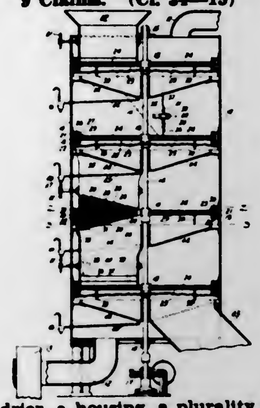
ing in the same direction as said feed table for moving unsliced loaves of bread to said feed table.

2,000,817

APPARATUS FOR DRYING LOOSE MATERIAL

Kenneth R. Bixby, Geneseo, Ill., assignor to Midland Electric Coal Corporation, Indianapolis, Ind., a corporation of Indiana

Application June 27, 1933, Serial No. 677,877
9 Claims. (Cl. 34—15)



1. In a drier, a housing, a plurality of foraminous material supporting devices movably mounted in said housing at different levels, means for passing a gaseous drying medium through said foraminous supporting devices and the material supported thereon, means for actuating said supporting devices, each supporting device comprising a plurality of sections and each section being movable with relation to the other sections to discharge the material supported thereby, means for controlling the relative movements of said sections and causing the same to be successively actuated to discharge said material at a given point in the travel of said supporting device, and a chute arranged beneath the point of discharge of each supporting device to receive the material therefrom and deliver the same to the next lower supporting device, said chute having its upper edge so arranged about said point of discharge as to prevent the passage of said drying medium between the upper end of said chute and the adjacent supporting device.

2,000,818

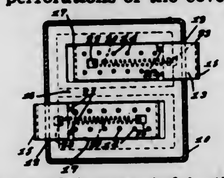
COMBINED SALT AND PEPPER SHAKER

Allen H. Bomberger, Ephrata, Pa.

Application July 21, 1934, Serial No. 736,429
1 Claim. (Cl. 65—45)

A salt and pepper shaker comprising a container having compartments, a flanged cover for

said container and provided with groups of perforations with each group aligning with a compartment, said cover having slots in opposite sides of its flanged portion, perforated slides operating through the slots and normally positioned to close the perforations of the cover and adapted to open the perforations of the cover by manual



manipulation, a plate mounted in the cover and having slots opening through opposite edges thereof to slidably receive the slides, a retaining plate engaging the first plate and having slots and underlying the slides with portions of the latter exposed to the compartments by way of the last-named slots, and springs connected to said retaining plate and the slides.

2,000,819

TANK CAR

Conrad C. C. Burkhardt, Philadelphia, Pa.

Application July 26, 1930, Serial No. 470,974
17 Claims. (Cl. 105—360)



1. The combination in a tank car having upper and lower portions, the lower portion being made as an integral casting and consisting of an outer shell, an inner bottom plate, vertical webs extending the full length of the car and connecting the bottom plate to the shell; said parts forming part of the under frame for the car; end members cast integrally with the lower portion; a central cast metal upper section, connected to the lower portion; and sheet metal upper side sections secured to the sides and ends of the lower portion and to the central upper section.

2,000,820

PROTECTOR MOTION FOR LOOMS

James Chapman, Atlanta, and Benjamin W. Brown, Hapeville, Ga.

Application July 10, 1933, Serial No. 679,764
9 Claims. (Cl. 139—345)



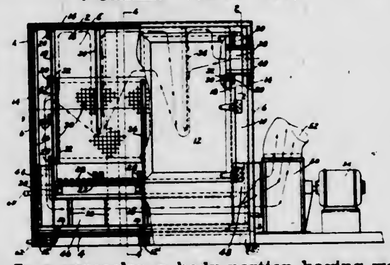
1. In a loom having a lay, a shuttle binder thereon, a shuttle and means for stopping the loom, the combination of a dagger, means for holding the dagger stationary in idle position during the normal operation of the loom, and means controlled by the binder for moving the dagger into operative position for stopping the loom when the shuttle is not properly boxed, said means including a fixed cam on the loom frame, means normally positioned to be engaged by said cam and to be actuated thereby for moving the dagger into operative position as the lay beats up, and means operated by a properly boxed shuttle to disable said dagger-moving means.

2,000,821

MEANS FOR COOLING AND CONDITIONING AIR

Allen W. Clarke and William F. Dietrichson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application October 15, 1932, Serial No. 637,906
7 Claims. (Cl. 62—133)



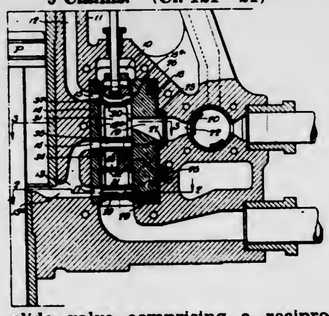
1. In a precooler, a body portion having walls therein forming an ice chamber a reservoir receiving water melting from the ice, baffle means in the ice chamber dividing the latter into a plurality of compartments, air inlet and outlet means for said ice chamber, blower means for drawing air through the ice chamber, means constituting at least part of the walls of said ice chamber so formed as to remove suspended moisture from the air, and an air duct in said reservoir receiving air from the ice chamber and having one end discharging outside the body portion.

2,000,822

SLIDE VALVE

Eugene C. Clarke, Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a corporation of Pennsylvania

Original application January 30, 1934, Serial No. 709,034. Divided and this application July 5, 1934, Serial No. 733,892
9 Claims. (Cl. 121—21)



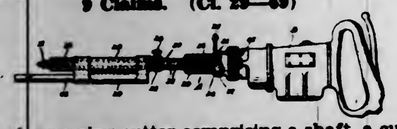
1. A slide valve comprising a reciprocatory valve body having equal fluid pressure distribution areas at its opposite faces, a pair of surfaces through one of which fluid pressure is admitted abutting said faces, said surfaces having equal pressure distribution areas confronting said valve, one of said surfaces comprising a face of a movable plate, means at the outer face of said plate for adjusting said plate toward the other of said surfaces, and means for maintaining a preponderance of fluid pressure against the inner face of said plate.

2,000,823
TURNTABLE
Ralph Clover, North Vernon, Ind.
Application May 2, 1933, Serial No. 668,972
Renewed October 23, 1934
1 Claim. (Cl. 104—45)



In a turntable for a concrete paver or mixer, a panlike base, casters carried at one end of said base and having tensioned connection therewith to normally elevate said base above the contact of the casters with the ground, link connections between the other end of the base and the paver or mixer, lugs on the sides of the base for contact with the link connections, a circular track centrally of the base, a horizontally disposed pulley wheel journaled centrally upon the base and having traction wheels movable upon the circular track, spaced parallel ramps superimposed upon the pulley and fixed thereto, and power cables trained about the pulley and operative for the turning thereof in opposite directions.

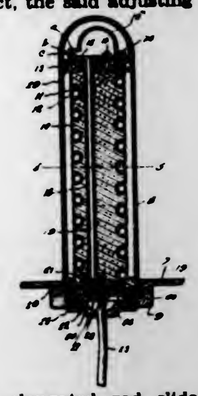
2,000,824
RECESSING CUTTER
William Barnes Crockett, Notre Dame de Grace, Quebec, Canada
Application September 13, 1933, Serial No. 689,334
9 Claims. (Cl. 29—69)



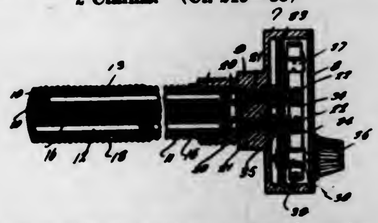
1. A recessing cutter comprising a shaft, a cutter mounted on the shaft, said shaft being mounted in a sleeve bush having an eccentrically cut shaft receiving bore, an outer casing for said sleeve bush having an eccentrically cut bore for receiving said bush, the bore of the sleeve bush and bore of the casing being normally disposed eccentric to one another whereby said shaft is concentric with the outer surface of the casing, a slot in the outer casing, a lever member projecting through said slot and mounted in the sleeve bush whereby on movement of the lever in one direction said sleeve bush is rotated to project the cutter eccentrically of the casing, means mounted on said casing co-operating with the lever and slot for gauging the rotational movement of said sleeve bush, a power unit for operating the cutter and means for uniting the power unit to the casing in operative connection with the shaft.

2,000,825
HEATER
Walter R. Davies, Missoula, Mont.
Application June 12, 1933, Serial No. 675,629
Renewed November 26, 1934
1 Claim. (Cl. 219—38)

An electric heater for liquid tanks comprising a di-electric core, a heat coil wound on the said core, a thermostatic switch secured to one end of the core in electrical connection with the said coil, means at the opposite end of the core for fastening the core to a tank so that the thermostat end will project into the tank, means extending longitudinally through the core for adjusting the said thermostatic switch, said thermostatic switch comprising a bi-metal element provided with a contact and a complementary contact, a strip spring supporting the complementary contact, the said adjusting means consisting of an elongated rod slidably disposed through the core and adapted to engage the strip spring at one end and at its opposite end provided with a threaded head threadedly disposed into the outer end of the core.



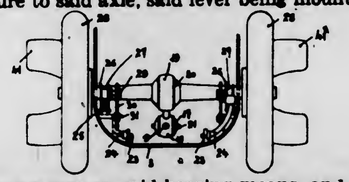
2,000,826
ELECTRICAL HEATER
Walter R. Davies, Missoula, Mont.
Application July 21, 1934, Serial No. 736,401
2 Claims. (Cl. 219—38)



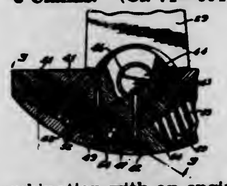
1. In a heating device of the character described comprising a core of insulation provided with external threads, a pair of conductor rods extending longitudinally in the core, one of said rods being provided with an opening at its inner end, for receiving one end of a heating element wound on the core, the other rod being provided with a plurality of openings longitudinally spaced therein, diametrically disposed and longitudinally spaced bores in the core, the openings of the last mentioned rods being registrable with the said diametrical bores, said last mentioned bores being selective to receive the other end of the heating element when the openings of the last mentioned rod are registering therewith, and means at the outer ends of the rods whereby the rods can be fed outwardly to bind the rods to the ends of the heating element.

2,000,827
LAND AND WATER MOTOR VEHICLE
Ulysse Texier de la Caillerie, Secondigny-En-Gatine, France
Application April 20, 1933, Serial No. 667,120
In France April 20, 1932
7 Claims. (Cl. 115—1)

3. In an amphibian vehicle normally running on two wheels, a water-tight body, a load carrying member in said body, a lever pivotally mounted on said body and carrying said load carrying member, a main drive axle resiliently and pivotally mounted on said body, a pair of wheels carried by said main drive axle and provided with water propulsive means, bearing means for applying pressure to said axle, said lever being mounted to apply pressure on said bearing means, and resilient means opposing the relative motion of said body and said axle due to load actuated pressure applied by said lever, whereby changes in load applied to said load carrying member automatically cause changes in the relative position of said body and said axle which increase the stability of said vehicle.



2,000,828
INTERNAL COMBUSTION ENGINE
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 12, 1932, Serial No. 632,664
3 Claims. (Cl. 74—604)



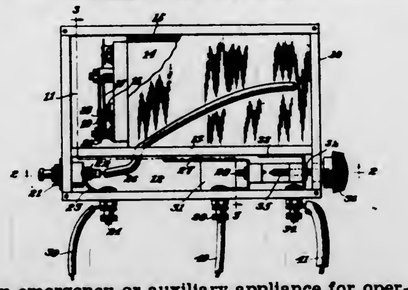
3. The combination with an engine crankshaft having a crank arm, of an integral extension in line with the crank arm, a counterweight having a slot adapted to receive the extension, pivot means for mounting said counterweight on said extension, and means including opposed coil springs acting between and to resist relative movement of the arm and counterweight, the axes of said springs defining an obtuse angle.

2,000,829
LOCK
Morris Falk, Fitchburg, Mass.
Application April 23, 1930, Serial No. 446,698
Renewed March 16, 1934
7 Claims. (Cl. 70—46)



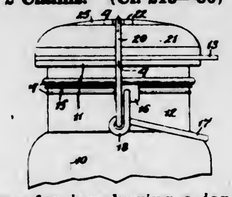
1. In a cylinder lock, the combination with the cylinder, a key operated plug, the plug having an annular groove therearound, and yielding means adapted to enter said groove to hold the plug in after it has once been assembled, of a movable member carried by the plug and adapted to be moved into said groove to push the yielding means back, said movable member being so located that the locking key will not move it into the groove but that it can be so moved to free the plug by introducing a long key in the key slot which will project beyond the position at the extreme end of the locking key when the plug is in unlocked position.

2,000,830
IGNITION TROUBLE ELIMINATOR
Robert Edward Farren, Revere, Mass.
Application August 10, 1931, Serial No. 556,260
1 Claim. (Cl. 123—148)



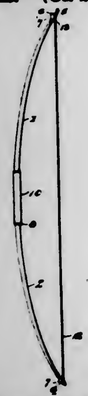
An emergency or auxiliary appliance for operating the ignition system of an internal combustion engine independently of the usual ignition switch, the same comprising a casing, a spark coil of the vibrator type located within the casing and having primary and secondary windings of which one terminal of each is grounded, the other terminal of the primary winding being for connection with the ungrounded terminal of the motor vehicle battery and the other terminal of the secondary winding being for connection with the rotary member of the vehicle distributor, and a spark gap connected across the secondary winding and comprising a U-shaped member of insulating material mounted within the casing, a stationary contact extending through one arm of said U-shaped member, and a screw contact threaded through the other arm of the U-shaped member and having an operating knob located exteriorly of the casing for adjustment of the screw to effect such spacing of the gap as will shunt the secondary current to ground except when the movable member of the distributor head is directly opposite any of the stationary contacts of said head.

2,000,831
CLOSURE FOR FRUIT JARS AND THE LIKE
Ralph S. Fetter, Buffalo, N. Y.
Application September 6, 1933, Serial No. 688,316
2 Claims. (Cl. 215—86)



1. A closure for jars having a jar body and a cover fitted over the mouth of said body, comprising a bail pivoted to said body and arranged to be swung along the upper side of said cover, said cover being provided centrally with an integral elevated portion provided on its upper side with grooves in cruciform arrangement and of different depths and each groove forming a seat for the center of said bail and means for leading the center of said bail up to said elevation comprising at least four ridges in cruciform arrangement and arranged substantially at right angles to said grooves, said ridges radiating from said elevation and being of substantially the same height as said elevation at their inner ends and becoming shallower toward their outer ends, and said ridges also forming reinforcing ridges for said cover.

2,000,833
BOW
Charles R. Fisher, Williamsport, Pa.
Application April 2, 1932, Serial No. 602,813
2 Claims. (Cl. 273—107.5)

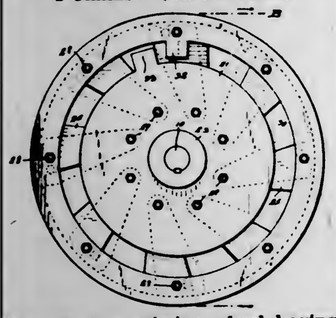


1. In a bow, the combination with a tubular handle of D-shape in cross section, of a pair of limbs each having a shank U-shaped in cross section and rigidly retained within said handle.

2,000,833
PROCESS FOR THE PRODUCTION OF ZINC
Max Gerhard Freise, Angermund, near Duesseldorf, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 29, 1934, Serial No. 718,087. In Germany April 30, 1932
10 Claims. (Cl. 75—28)

1. Process for the recovery of metallic zinc from materials which contain oxidic compounds of zinc, comprising heating the zinc containing material with coal in a rotary furnace by direct contact with fire gases, collecting at least the greater part of the reduced zinc in a metal present in the furnace and removing the collected zinc from the furnace mixed with said metal.

2,000,834
POWER TRANSMISSION WHEEL
Henry H. Frick, Fricks, Pa.
Application June 21, 1930, Serial No. 462,873
4 Claims. (Cl. 74—230.1)



1. A power transmission wheel having a hub, the hub including two spaced plates, a plurality of arms disposed between said plates and having their inner ends pivoted to said plates, the arms extending tangentially with reference to a circle concentric to the hub, a U-shaped rim embracing the ends of the arms, bolts passing through the rim, the ends of the arms being slotted to receive said bolts, the rim having an inwardly projecting lug and one of the plates having an outwardly projecting lug confronting the lug on the rim and limiting the movement of the arms in one direction, the rim acting to limit the movement of the arms in another direction.

2,000,835
ARTIFICIAL SAUSAGE CASING
Franz Goldberger, Breda, Netherlands, assignor, by mesne assignments, to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application March 22, 1932, Serial No. 600,551
In Germany October 24, 1929
12 Claims. (Cl. 17—45)



1. As an article of manufacture, artificial skins, casings and envelopes, adapted for encasing sausages and other alimentary products, formed from non-fibrous cellulosic material and having a multiplicity of cavities in the walls of said article, whereby the permeability and elasticity of the walls are increased.

2,000,836
PROCESS OF MANUFACTURING FROM NITROCELLULOSE, SKINS AND ENVELOPES PARTICULARLY ADAPTED FOR USE AS ARTIFICIAL SAUSAGE CASINGS
Franz Goldberger, Breda, Netherlands, assignor, by mesne assignments, to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application January 22, 1934, Serial No. 707,864. In Germany September 5, 1931
8 Claims. (Cl. 18—57)

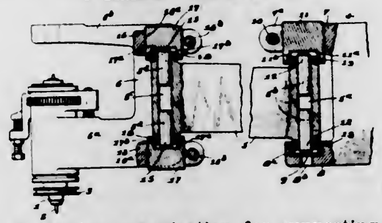
1. The process of manufacturing artificial skins and envelopes particularly adapted for use as artificial sausage casings, which consists in shaping the envelope from cellulose-nitrates and thereupon partially denitrating with sulphohydrates the shaped envelope so that its nitrogen content remains between about 1.5 and 0.5 percent.

2,000,837
KNITTING MACHINE
William D. German, Philadelphia, Pa., and Charles Moses, New York, N. Y., assignors to H. Brinton Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1934, Serial No. 746,566
18 Claims. (Cl. 66—50)



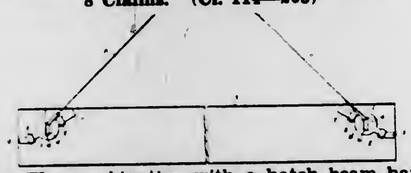
1. In a knitting machine, a stitch cam, an inclined design wheel for elevating needles selectively into position to be depressed by said stitch cam, means on said wheel for raising needles selectively to either of two elevations, and needle depressing means between said wheel and said cam.

2,000,838
SWINGABLE SUPPORT FOR ENGRAVING MACHINE CUTTER HEADS
George Gerten, Racine, Wis.
Application September 22, 1933, Serial No. 690,612
7 Claims. (Cl. 308—2)



1. A bearing organization for supporting the laterally swingable jointed linkage associated with a machine tool device, including a pivotal joint having a vertical axis, said joint embodying alined vertically spaced upper and lower vertical clamping hubs rigid with one member; vertically elongated alined slide blocks normally rigidly clamped in said hubs, respectively, and adapted for longitudinal sliding adjustment with respect thereto when said hubs are loosened thereon; radial and end thrust rolling bearings in the adjacent ends of said blocks, respectively; and alined vertical studs rigid with another member and fitted and centered in said bearings in said blocks, respectively, whereby when said hubs are loosened, one of said members can be bodily raised or lowered by relative longitudinal sliding movement between said two hubs and said two blocks held by said bearings and studs, and then secured at the adjusted elevation by clamping the blocks to the hubs.

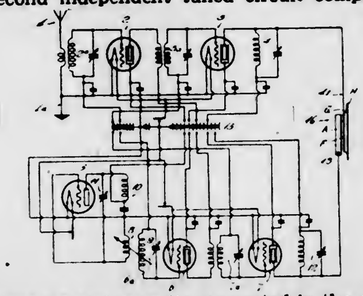
2,000,839
AUTOMATIC HATCH BEAM LOCKING DEVICE
Michael J. Hanlon, Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y., a corporation of Delaware
Application July 3, 1934, Serial No. 733,674
8 Claims. (Cl. 114—203)



1. The combination with a hatch beam having hook receiving openings therein, of automatic locking devices at the ends of the beam covering the openings, said locking devices moved to unlocking position by the action of lifting hooks in the openings engaging the beam.

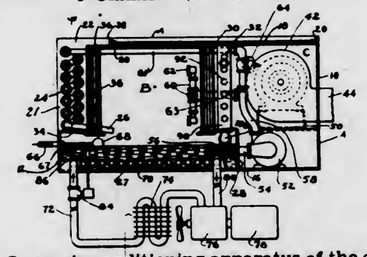
2,000,840
SOUND REPRODUCING SYSTEM
Ernest R. Hentschel, Washington, D. C.; John Olson, administrator of said Ernest R. Hentschel, deceased, assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application May 23, 1930, Serial No. 455,132
3 Claims. (Cl. 250—22)

1. In a sound reproducing system an electrostatic sound reproducer comprising a pair of electrodes disposed in parallel relation and movable in respect to each other, a source of received radio frequency oscillations, a local source of radio frequency oscillations, a radio frequency amplifier having its input connected to said source of received oscillations, a tuned circuit comprising an inductance and a capacity connected in the output circuit of said amplifier, a second radio frequency amplifier having its input connected to said local source of radio frequency oscillations, a second independent tuned circuit comprising



inductance and capacity connected in the output circuit of said second amplifier, and means including connections between the electrodes of said sound reproducer and suitable points in each of said tuned circuits for applying to each of said electrodes individually an oscillating potential of the particular frequency produced in the tuned circuit to which it is connected, whereby a beat frequency electrostatic reaction between said electrodes is obtained.

2,000,841
APPARATUS FOR CONDITIONING AIR
Wallace H. Herdlein, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 20, 1933, Serial No. 676,701
9 Claims. (Cl. 257—7)

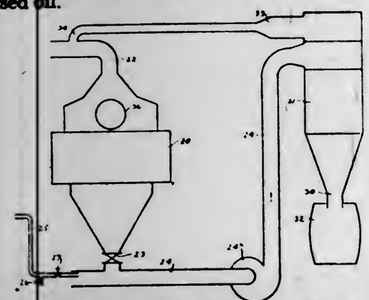


8. In an air conditioning apparatus of the character described, in combination, a combined spray chamber and water reservoir in direct communication, an evaporator unit within said reservoir, spray devices within the chamber, means to circulate water from the reservoir to the spray devices, means associated with the spray devices adapted to prevent excessive pressure on the spray devices to thereby insure their proper functioning, and means to draw air through the spray and over the surface of the water in the reservoir.

2,000,842
PIGMENT
Carroll A. Hochwalt, Dayton, Ohio, assignor to The Mead Research Engineering Company, Dayton, Ohio, a corporation of Ohio
Application January 31, 1931, Serial No. 512,530
8 Claims. (Cl. 134—59)

1. In the manufacture of pigment, the method which comprises mixing ferrous hydroxide with a non-alkaline tannin extract derived from chest-

nut wood, and film forming oil to form a non-alkaline mixture, bubbling an oxidising gas such as air through the non-alkaline mixture to produce a copious rapid settling bluish black precipitate in which the oil is entrained and dispersed, and separating, washing and drying the resultant precipitate without substantial vaporization of the oil to provide a water insoluble, fluffy, flocculent, bluish black pigment of fine particle size containing the entrained and dispersed oil.



8. A pigment comprising the water insoluble bluish black solid containing water of crystallization which is the hydrated dried reaction product of oxidation of a non-alkaline mixture of ferrous hydroxide and tannin extract, the pigment being finely divided, flocculent, substantially neutral, having a tinting strength greater than bone black and non-settling properties, and possessing high dielectric strength and showing in a protective coating film voltage puncture limits of over 600 volts per mil.

2,000,843
COMPOSITION FOR KILLING INSECTS AND FUNGI
Paul Janke, Ascona, Switzerland, assignor to Dehne & Co. Orbesa-Gesellschaft, Brissago, Switzerland
No Drawing. Application July 10, 1933, Serial No. 679,790. In Germany July 13, 1932
1 Claim. (Cl. 167—22)

The herein described composition for destroying obnoxious insects and fungi, which consists of a mixture of 33 parts of soft soap, 11 parts of a 2% cresol soap solution, 17 parts of a 10% watery tobacco extract, 22 parts of a ½ normal-potassium permanganate solution, 17 parts of vegetable glue, and from ¼ to 2 parts of alcohol.

2,000,844
LOOSE LEAF BINDER
Stanley G. Johnson, Grosse Pointe, Mich., assignor to The Burkhardt Company, a corporation of Michigan
Application May 9, 1934, Serial No. 724,701
7 Claims. (Cl. 129—13)



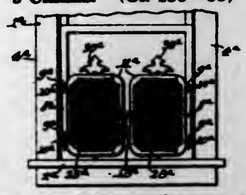
1. A loose leaf binder of the post type comprising opposed leaf-engaging members, means on said leaf-engaging members to cooperate with punched filler sheets, solid grooved posts secured to one of the leaf-engaging members, hollow posts secured to the other leaf-engaging member adapted to telescopingly cooperate with the solid grooved posts, locking means rotatably mounted in the said hollow posts each comprising a rivet having its head concaved substantially the same radius as the center of the hollow post, and means to rotate the said rivet to urge the solid grooved post against the inside of the hollow post and cause the high portions of the grooved rivet head to register with the said solid grooved post.

2,000,845
WINDOW OF METAL OR SIMILAR MATERIAL IN METAL WALL
Gottfried Bruno Jonas and August Thorman Esseling, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 11, 1931, Serial No. 515,118
In the Netherlands March 25, 1930
3 Claims. (Cl. 250—35)



1. A metal wall having an aperture, the wall at the edge of said aperture having a peripheral recess, a thin non-vitreous disc extending into said recess so as to form a window, a fused vitreous binding agent enclosing the peripheral edge of said non-vitreous window, and a metal ring in the recess, said binding agent adhering to the bottom and side walls of said recess and to the metal ring.

2,000,846
CURTAIN PROTECTOR
Agnes Jacison, Chicago, Ill.
Application June 7, 1934, Serial No. 729,473
5 Claims. (Cl. 156—33)

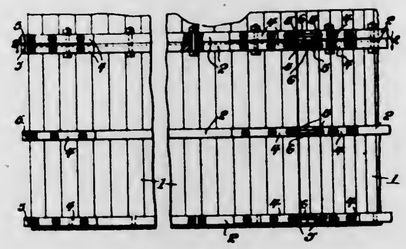


5. A barrier comprising a frame provided in its top and in its bottom with openings, arms within the barrier and extended outwardly beyond one edge of the barrier, the arms having fingers received in the openings, holding devices on the fingers and engaging the frame, and hanger means whereunto the outer ends of the arms are pivoted.

2,000,847
BUILDING PANEL
Arthur L. Kehm, Harrisburg, S. Dak., assignor to Meinzer & Kehm Company, a corporation of South Dakota
Application January 5, 1932, Serial No. 584,289
Renewed December 18, 1934
1 Claim. (Cl. 20—1.4)

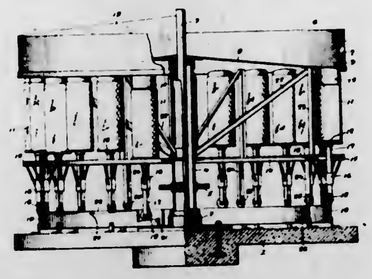
A building wall consisting of panels the inner surfaces of which are smooth, ribs applied to the outer surfaces of the panels adjacent the upper and lower edges and having beveled extremities formed at the ends of the panels with the angle

of the bevel so disposed that the ends of the ribs extend beyond the panels, lug plates attached to the ribs adjacent the beveled ends, bolts detachably connecting the lug plates of adjacent panels together, the upper ribs having their top faces disposed above the plane of the upper edges of



the panels and the bottom ribs having their lower faces correspondingly disposed with reference to the lower edges of the panels to effect rib overlap of vertically adjacent panels while bringing the adjacent ribs of the same into face contact, and bolts passing through said adjacent ribs to secure the same together.

2,000,848
COAL BAGGING MACHINE
Benjamin W. Kellett, New Orleans, La.
Application December 27, 1932, Serial No. 649,040
1 Claim. (Cl. 226—55)



A bagging machine comprising a base, a vertical shaft fixed to said base, a rotatable sleeve mounted on the shaft with the latter projecting above said sleeve, a hopper secured to the sleeve and having the shaft extending therein, discharge necks on said hopper to enter mouths of sacks, a sweep fixed to the shaft and engaging walls of the hopper to direct material into the necks during rotation of the hopper with said sleeve, supporting bars fixed to the sleeve below the hopper and extending radially from said sleeve, spaced annular members connecting said bars, guides carried by the annular members and disposed below and between the latter, stems slidable in the guides and located between the annular members, rollers secured to said stems, plates carried by the stems and engaging the sacks, a notched track carried by the plates and having the rollers riding thereon, legs secured to said bars inwardly of the annular members and the stems, rollers for said legs, and a second track carried by the base inwardly of the first track and engaged by the rollers of said legs.

2,000,849
RHEOSTAT
Edwin W. Kiefaber and Josef Doerr, Philadelphia, Thomas Barclay Whitson, Moylan, and William B. Creagmile, Norwood, Pa., assignors of fifty one-hundredths to James G. Biddle, trading as James G. Biddle Company, Philadelphia, Pa., and fifty one-hundredths to Rubicon Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 15, 1932, Serial No. 622,738
9 Claims. (Cl. 201—62)

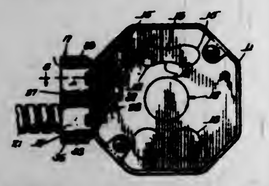


1. In a rheostat, a resistance winding, a slide bar spaced from said winding and extending longitudinally thereof, means for supporting said winding and said slide bar, and a slidable contact member carried by said bar, said member comprising a solid insulating body having a central portion and opposed wing portions extending downward, said central portion having a groove for receiving said bar so that said body saddles said bar, said wing portions having coaxial grooves in crossed perpendicular relation with said first groove and immediately adjacent thereto, a substantially inverted U-shaped contact blade seated in said coaxial grooves and underlying said bar, and a contact finger carried by said blade and slidably engaging said bar, the depending ends of said blade slidably engaging said winding, said contact blade being snugly embraced by the walls of said coaxial grooves, whereby backlash or lost motion of the contact blade is substantially prevented.

4. In a rheostat, a resistance winding, a hollow slide bar spaced from said winding and extending longitudinally thereof, a rotatable screw shaft of predetermined large pitch within said hollow slide bar, means for supporting said winding, said slide bar, and said screw shaft, and a slidable contact member carried by said slide bar, said member comprising a screw-engaging member and contact blades slidably engaging said resistance winding and said slide bar, whereby said contact member may be slidably moved by manually sliding the same or by rotating said screw shaft.

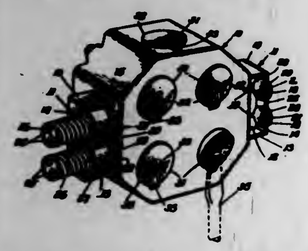
7. In a rheostat, a pair of end brackets connected together at their top portions by a slide bar, an insulating mandrel disposed between said brackets but having its ends free of mechanical attachment to said brackets, a resistance winding wound on said mandrel and terminating short of the ends thereof, a slider contact member mounted on said slide bar and slidably engaging said winding, a flat metallic strap wrapped tightly about said mandrel at each end of said winding and serving to secure the winding on the mandrel, and a rigid metallic bar extending longitudinally beneath each end portion of said mandrel through the corresponding end bracket and rigidly attached to the lower portions of the corresponding strap and said bracket but insulated from the latter, each said rigid bar being formed at its outer end to serve as a terminal, whereby said rigid bars secure the lower portions of said brackets to said straps, cooperate with said straps to support said mandrel and its winding firmly between the brackets, and electrically connect the ends of said winding to the outer terminal ends of the bars.

2,000,850
OUTLET BOX AND CABLE CLAMP
John Knoll, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois
Application February 19, 1930, Serial No. 429,493
1 Claim. (Cl. 247—25)



In combination, a universal outlet box comprising a plurality of different shaped knock-outs for permitting a conduit or cable to be operatively connected to the box, at least one of said knock-outs being elongated, an elongated slot being provided when an elongated knock-out is removed, said elongated slot capable of receiving a pair of cables leading to the box, a clamping member having a part receivable in said elongated slot, said clamping member having means adapted to receive and support a pair of cables, and means for fastening a cable to said clamp and said clamp to said box.

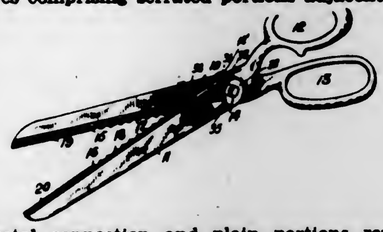
2,000,851
OUTLET BOX
John Knoll, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois
Application March 14, 1931, Serial No. 522,553
6 Claims. (Cl. 247—25)



1. An outlet box comprising a body, a housing located outside of said box and rigidly fixed to an outer wall of said body, said housing when fastened to said wall having an open side, a clamp movably arranged in said housing and closing the said open side, screw means engageable with said clamp and a wall of said housing for clamping a cable in position relative to said box, said outer wall of said box having openings formed therein, and knock-outs in a wall of said housing and in alignment with the openings in said outer wall to receive a cable.

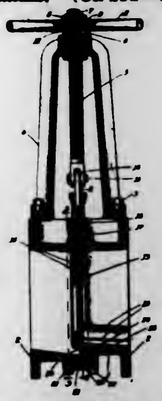
2,000,852
SHEARS
Edward H. Langbein, Brooklyn, N. Y., assignor to Samuel Brickman, Manhattan, N. Y.
Application September 26, 1932, Serial No. 634,804
2 Claims. (Cl. 164—81)

1. A cutting implement of the character described comprising a pair of pivotally connected blades, lips on said blades projecting at an angle therefrom, said lips being provided with cutting edges comprising serrated portions adjacent the



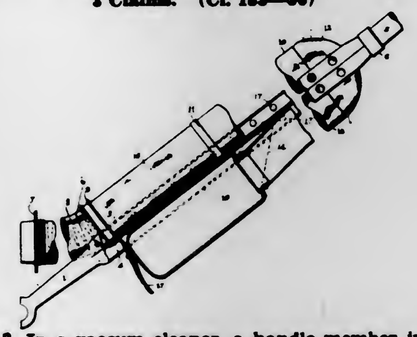
pivotal connection and plain portions remote from the pivotal connection.

2,000,853
VALVE
Joseph O. Lange, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 6, 1933, Serial No. 688,375
3 Claims. (Cl. 251—167)



1. In a valve, comprising a casing, a closure member therefor, an inlet to said closure member, said inlet being provided with peripherally arranged serrations extending longitudinally to the seating surface of said closure member.

2,000,854
TUBULAR FILTER
Ward Leathers, Haworth, N. J., assignor to The Quadrex Corporation, a corporation of Connecticut
Application December 12, 1930, Serial No. 501,876
Renewed March 24, 1934
3 Claims. (Cl. 183—36)



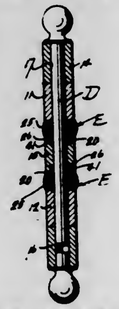
3. In a vaccum cleaner, a handle member including a longitudinal rigid separator, a plurality

of air filtering tubes, said separator being substantially H-shaped in cross section with said air tubes positioned within the same, on the opposite sides thereof said air filtering tubes communicating with each other at their upper ends, and a dirt receptacle in operable engagement with the lower end of one of said air filtering tubes.

2,000,855
METHOD OF DENICOTINIZING TOBACCO
Ludwig Max Lippmann and Arnold Faltelowitz, Berlin, Germany; said Faltelowitz assignor to said Lippmann
No Drawing. Application March 22, 1932, Serial No. 600,557. In Germany April 1, 1931
5 Claims. (Cl. 131—6)

1. A method of denicotinizing tobacco comprising the steps of: wetting tobacco containing the usual bacteria, disposing the wetted tobacco loosely in layers and allowing the latter to stand with access of air thereto to produce fermentation of the tobacco, continuously adding acid to the extent necessary to neutralize the amino bases resulting from the fermentation, and drying the tobacco.

2,000,856
HINGE CONSTRUCTION
Arthur G. Lyons, Pennside, Pa., assignor to Reading Hardware Corporation, Reading, Pa., a corporation
Application March 27, 1933, Serial No. 663,016
5 Claims. (Cl. 16—136)



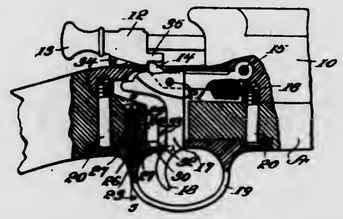
1. In a hinge the combination with separate leaves having pintle receiving knuckles and a connecting pintle passed therethrough, an anti-friction device interposed between the adjacent ends of knuckles of the opposed leaves and including races and an anti-friction element therebetween, and a wear-resisting member of better wear resisting material than the knuckle non-rotatably anchored in concealed relation within the end of a knuckle where the strain is received and having a race of the bearing resting thereupon.

2,000,857
ALUMINUM OXIDE ABRASIVE AND METHOD OF MAKING THE SAME
Jacob S. Masin, Anniston, Ala., assignor to Swann Research, Incorporated, a corporation of Alabama
Application December 1, 1930, Serial No. 499,238
4 Claims. (Cl. 51—279)



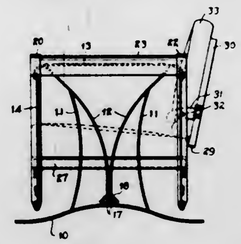
1. An alumina grain composed of fused alumina containing from 1.0 to 5.0% TiO_2, together with small amounts of silica and iron as impurities, the impurities being segregated in distinct masses within the crystals forming the individual grains thereof.

2,000,858
SAFETY DEVICE FOR FIREARMS
William Ray Maxwell, Hicksville, Ohio
Application July 5, 1933, Serial No. 679,107
1 Claim. (Cl. 42—70)



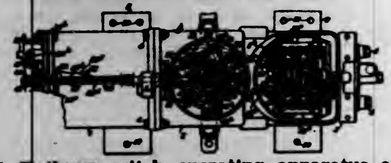
In a firearm, a stock, a barrel on the stock, a sear pivotally mounted in the stock, a firing bolt slidable with relation to the barrel and engaged by the sear for the locking of said bolt, a trigger pivoted to the sear and having a finger-engaging end projecting exteriorly of the stock, a trigger guard detachably fitting on the stock for the said trigger, a safety latch transversely of the said guard and rearwardly of the trigger and having a bit to engage the latter to hold the same latched when the firing bolt is cocked, means engageable with the safety latch to hold the same in latching or unlatching position with relation to the trigger, a wedge on the firing bolt and cooperating with the sear and a block on the trigger and cooperative with the wedge to prevent the latch being moved to safety unless the firing bolt is fully cocked.

2,000,859
GLIDER
William R. McGowen, Pittsburgh, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1933, Serial No. 704,449
3 Claims. (Cl. 5—124)



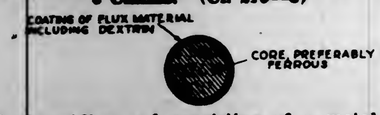
2. A glider comprising a pair of end frames each having a floor bar, a top rail, two uprights of spring metal connected at their lower ends to the floor bars, and respectively bent forwardly and rearwardly at their upper ends and connected to the ends of the top rails, a seat frame disposed between the end frames, and flexible suspending members respectively connected to the ends of the top rails and to the seat frame.

2,000,260
RAILWAY SWITCH OPERATING APPARATUS
William C. McWhirter and Edwin G. Little, Wilmerding, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 11, 1932, Serial No. 679,868
15 Claims. (Cl. 246—253)



1. Railway switch operating apparatus comprising a casing, a switch actuating shaft journaled in said casing, fluid pressure operated means for actuating said shaft between two extreme positions, valve mechanism for controlling the admission of fluid to said fluid pressure operated means, said valve mechanism having a first position in which the admission of fluid to said fluid pressure operated means is permitted and a second position in which the admission of fluid to said fluid pressure operated means is prevented, a cam secured to said switch actuating shaft, a motion plate movable between a first and a second position, means for moving said motion plate to its first position or its second position according as said valve mechanism is moved to its first or its second position, and a circuit controller controlled by said cam and said motion plate.

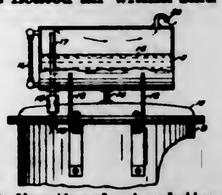
2,000,261
COATED WELDING ELECTRODE
Wilbur B. Miller, Flushing, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application December 23, 1933, Serial No. 704,642
6 Claims. (Cl. 219—8)



1. A welding rod consisting of a metal core having a coating thereon, the coating consisting of slip clay 40–60 parts, iron oxide 20–30 parts, calcium carbonate 20–30 parts, feldspar 15–30 parts, rutile 5–20 parts, manganese ore 5–15 parts, carbonaceous material 5–15 parts, ferromanganese 5–20 parts, ferrochrome 2–8 parts and dextrin 1–15 parts by weight.

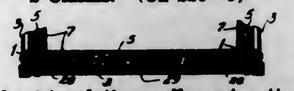
2,000,262
UNIDIRECTIONAL BREATHER
Louis C. Nichols, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 14, 1931, Serial No. 537,303
15 Claims. (Cl. 220—85)

1. In combination, a casing for electrical apparatus, said casing containing a quantity of liquid at a higher temperature than the atmosphere and having an air space above the level of said liquid, said casing having an air vent above the level of said liquid, an air inlet conduit having an air inlet opening located below the level of said liquid and in communication with atmosphere, said inlet conduit extending parallel to said casing for substantially the same distance as the depth of the liquid within said casing, and means for securing said inlet conduit to said casing in heat conductive relation to said hot liquid so that heated air within said conduit in-



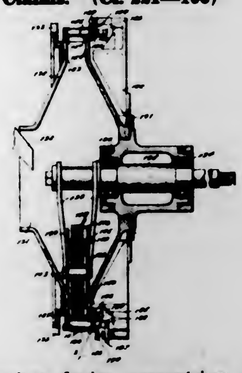
duces a uni-directional circulation of heated air through said air space and out through said vent whereby moisture within said air space is removed by said heated air.

2,000,263
HEAT INSULATING WALL CONSTRUCTION
Edward R. Powell, Alexandria, Ind., assignor, by mesne assignments, to Johns-Manville Products Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1928, Serial No. 312,543
2 Claims. (Cl. 220—9)



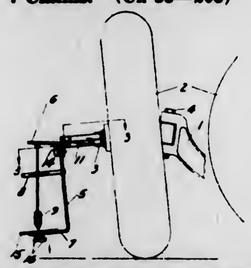
2. The heat insulating wall construction which comprises interior and exterior protective sheathings, insulation material therebetween affixed to said inner protective sheathing, a diaphragm with reflexed curvature attached by means of a flashing strip extending around the the edge of the insulation to said insulation material, defining a space with the exterior sheathing, and adapted to increase the space between said diaphragm and said insulation material when an increased pressure is set up within said insulation material, and at the same time substantially prevent any flow of air or other fluid from the exterior surrounding into the insulation material.

2,000,264
DISPENSING DEVICE
Jacob Schaub, Westfield, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Original application January 19, 1927, Serial No. 161,972. Divided and this application March 12, 1932, Serial No. 598,223
21 Claims. (Cl. 221—106)



1. A dispensing device comprising a hollow member, charge dispensing members closing the periphery of said member, and means to charge said dispensing members and discharge them at substantially a single predetermined point in their movement.

2,000,265
KINGPIN ANGLE GAUGE
Dana Seger and Roy D. Smith, Davenport, Iowa, and Frank J. Franzen, Rock Island, Ill., assignors to Geo. L. Hunt Automotive Equipment Co., Davenport, Iowa
Application September 1, 1932, Serial No. 631,352
7 Claims. (Cl. 33—203)

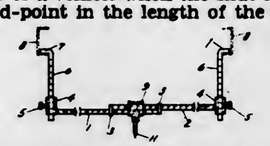


1. A king pin inclination gauge comprising a body member adapted to be supported upon an axle spindle to move therewith, a rectangularly graduated plate supported adjacent the lower end of the body member, a rigid pendulum supported from the upper part of the body member and having an indicating point adjacent the plate to cooperate with the graduations thereon to indicate movement of the pendulum relatively thereto, the plate being graduated to read correctly the inclination of the king pin of an automobile wheel when the spindle is turned through a definite angle about the king pin, and a guard mounted on the body between the plate and the upper part of the body to restrict the movement of the pendulum with respect to the plate but permit it to have free movement over the entire surface of the plate.

6. An implement for the purpose indicated comprising a body member having laterally projecting arms adjacent its normally upper and lower ends, a rectangularly graduated plate supported by the normally lower arm for sliding movement with relation thereto to secure proper adjustment, a rigid pendulum supported from the upper arm and provided with a free point at its lower end adjacent the graduated plate, and a clamp secured to the upper part of the body member and adapted to grip the spindle nut of an automobile wheel, said implement having a pendulum guard surrounding the pendulum and secured to the body member, the guard permitting free swinging of the pendulum over the entire surface of the graduated plate but restricting movement of the pendulum to the vicinity of the plate.

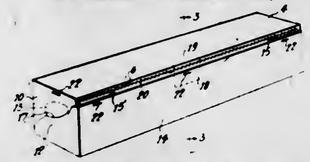
2,000,266
CHASSIS CHECKING GAUGE
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, Davenport, Iowa, a corporation of Iowa
Application April 16, 1934, Serial No. 720,741
10 Claims. (Cl. 33—191)

1. In a chassis checking apparatus, a composite bar comprising graduated bars held together in side-by-side relation for relative sliding motion, a slide embracing the graduated bars and carrying a plurality of sighting points defining a line substantially perpendicular to the axis of the composite bar and adapted to be placed in the mid-plane of a vehicle when the slide is adjusted to the mid-point in the length of the composite



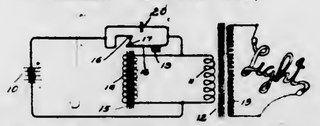
bar, said composite bar having at its ends means for engaging opposite parts of the sides of the frame of a vehicle.

2,000,267
DISPENSER FOR ROLLED MATERIAL
Louis C. Spalde, Brooklyn, N. Y., assignor to Waxed Products Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 17, 1933, Serial No. 676,255
3 Claims. (Cl. 206—58)



1. A box blank for folding into a box for dispensing rolled material, scored vertically to define an end wall, a front wall, a second end wall, a rear wall and a third end wall, all in alignment and scored horizontally to define, adjacent the rear wall, a top or cover section, and a cover flap for the box, and, adjacent the front wall, a bottom member and a supplemental rear wall member, one of said last mentioned members being scored vertically to define extensions thereto, and the other being cut vertically in alignment with the scoring on the first said member as far as the horizontal scoring separating said members from each other, said first mentioned rear wall being of slightly less depth than said supplemental rear wall member, slits in said end walls, and tongues on said extensions adapted to fit into said slits.

2,000,268
POWER CONVERTING UNIT AND SYSTEM
Jerome Nathan Stowell, Fargo, N. Dak.
Application May 10, 1933, Serial No. 670,384
Renewed March 16, 1935
5 Claims. (Cl. 176—124)



1. The method of illuminating a lamp of the neon-gas tube-type substantially equally throughout its length, and without objectionable flicker, which comprises the steps of drawing a current from a low potential source, dividing the current into two portions, passing one of said portions through the coil of an electromagnet, utilizing the magnetic force developed by said electromagnet to rapidly and repeatedly interrupt the entire current drawn from the source with such rapidity as to avoid flicker and with such ratio of "make" to "break" that the illuminating current derived by the method has the opposite sides of its cycle substantially equal, and passing the other portion of the current in parallel with the first portion through the pri-

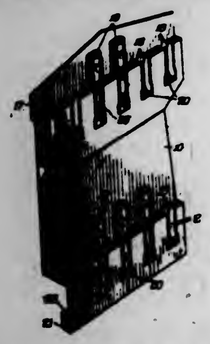
mary of a step-up transformer and utilizing the magnetic flux developed by the said other part of said current solely for operation of said step-up transformer to produce a current of high voltage and of an alternating character with the opposite sides of its cycle sufficiently equal to illuminate said lamp substantially equally throughout its length.

2,000,869
TIRE CONSTRUCTION
Raymond S. Taylor, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 11, 1933, Serial No. 679,917
8 Claims. (Cl. 152—13)



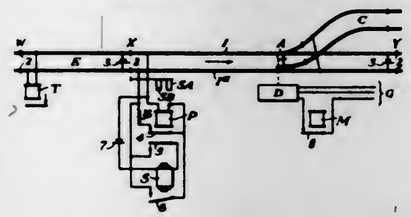
1. A tire construction consisting of a pneumatic tire casing having an excessive amount of free sulphur in the bead regions thereof as compared to other parts of the tire.

2,000,870
FOLDING DISPLAY AND PACKAGE
Henry Heinemann, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1933, Serial No. 641,551
19 Claims. (Cl. 206—44)



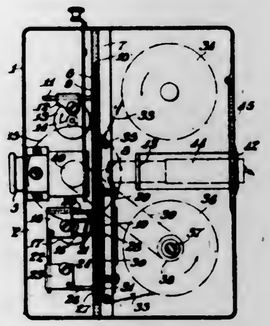
3. The combination with a display sheet having means formed of the sheet itself and in rows at spaced distances and comprising scored and cut portions offset in folding the sheet to form open topped containers therein for individually supporting articles for display and foldable upon itself between rows to engage and hold such articles in place and to form a compact container package.

2,000,871
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 12, 1934, Serial No. 725,313
21 Claims. (Cl. 246—41)



1. In combination, a section of railway track containing a switch, a source of track circuit current connected across the rails of said section, a primary track relay and a secondary track relay, a pick-up circuit for said primary relay connected across the rails of said section and including a front contact of said secondary relay, a holding circuit for said primary relay connected across the rails of said section and including a front contact of the primary relay, means for connecting said secondary relay across the rails of said section through a back contact of said primary relay and an auxiliary source of current, and means for controlling said switch by said relays.

2,000,872
MOTION PICTURE APPARATUS
Arthur Allen Andrews, Tiptree, England
Application April 25, 1934, Serial No. 722,330
In Great Britain March 28, 1933
1 Claim. (Cl. 88—18.4)



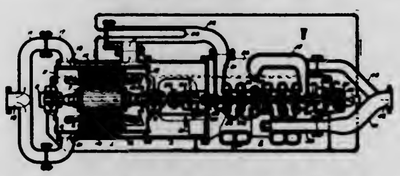
In apparatus for taking and/or projecting motion pictures, the combination of film-feeding mechanism comprising a rotatable disc, an eccentrically positioned pin on said disc, a feeding claw pivotally mounted on said pin, prongs on said claw adapted to engage into the film perforations, a guide member for said feeding claw, comprising a plate slidably mounted in a guideway disposed parallel to the film track and a pin affixed to and projecting at right angles from said plate and slidably engaging the claw, a film-retention mechanism comprising a block pivotally mounted on a pin secured in a fixed part of the structure, and a film-engaging and retaining pin pivotally attached to said block, and an arm pivotally connected to the feed claw and slidably engaging the block of the retaining mechanism for oscillating said block as a result of changes in the angular disposition of the arm produced by the circular motion of the feed claw and thereby moving the retaining pin into engagement with the film when the feeding claw disengages therefrom and vice versa.

2,000,873
PNEUMATIC CORE MATTRESS
Edward W. Arens, Cleveland, Ohio, assignor to The Air Cushion Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 25, 1934, Serial No. 741,391
2 Claims. (Cl. 5—348)



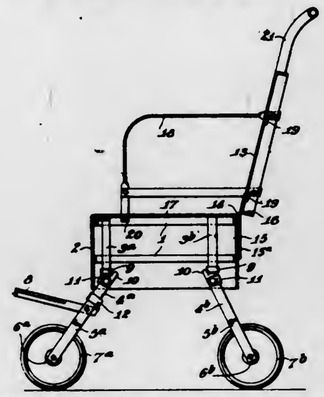
1. A combined pneumatic and padded mattress, comprising a central pneumatic core formed of two sheets permanently vulcanized together, in flat form, along their outer edges and at spaced areas throughout, the vulcanized areas being perforated centrally for receiving tufting threads, the distances between the spaced vulcanized areas being graduated and increasing from the longitudinal edges towards the center, in order to produce a core which is thicker along its longitudinal central portion than along its longitudinal edges when inflated, layers of padding built around the core, and tufting threads extending through the perforations and the layers of padding, for uniting the core and the layers of padding into one structure.

2,000,874
PUMP UNIT
Charles L. Babb, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 14, 1933, Serial No. 675,666
5 Claims. (Cl. 103—87)



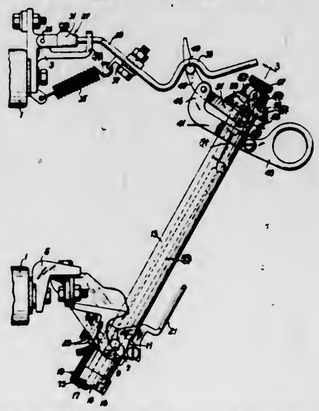
1. In a fluid pumping unit, an electric motor having a fluid tight housing inclosing a stator and a rotor and bearings for said rotor arranged externally of the housing, a jacket coaxially surrounding said housing in sealing engagement therewith, a suction pipe discharging into said jacket and constituting a guard for one of said bearings, a pump having a shaft driven by said motor and having a casing, journal and thrust bearings for said shaft, said bearings being arranged externally of the casing thereof, means for connecting said casing with said jacket in alinement therewith, means for conducting fluid from said jacket to the inlet of said pump, and a discharge pipe for said pump, said discharge pipe constituting a guard for one of said journal bearings and for said thrust bearing.

2,000,875
CHILD'S FOLDING PUSH-CHAIR
Maurice Louis Bernon, Westbourne Grove, England, assignor to The B. W. S. Company Limited, Ealing, London, England
Application February 20, 1933, Serial No. 657,688
In Great Britain October 24, 1932
4 Claims. (Cl. 280—37)



1. A folding child's push chair comprising an inverted attaché case body open at one end and a lid pivotally secured to said body for covering the open end thereof, a main frame mounted in the body, independent front and rear substructures carrying pairs of front and rear supporting wheels pivotally connected to said main frame adapted to be raised vertically into said case body, and arm supporting means pivotally connected to said lid, adapted to be folded thereinto, said frame and arm supporting means including locking means adapted to interlock said lid and arm rests in predetermined position.

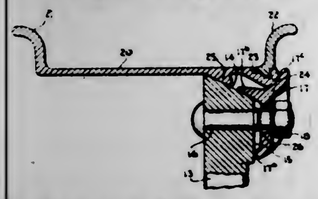
2,000,876
FUSE SWITCH
Lester Pierce Boll, University City, and Theodore Birkenmaier, St. Louis, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application November 10, 1934, Serial No. 752,430
5 Claims. (Cl. 200—116)



1. In a fuse switch, line terminals, one of which has socket means and the other of which has

movable and resilient detent means extending therefrom, a cartridge comprising a lower terminal engaging element adapted to cooperate with said socket means, said cartridge comprising a tube, a fuse link attached to said terminal engaging element and passing through said tube, an upper terminal engaging element on the tube, said upper terminal engaging element comprising a member affixed to the tube, a lever pivoted to said fixed member, means on one end of the lever engageable with said detent means, the other end of said lever swinging in an arc directed substantially along the axis of said tube, a cap at the upper end of said tube, means for attaching the fuse link to said cap, and link means pivoted to said other end of said lever and to said cap and adapted to transmit the longitudinal motion of the end of the lever along the tube to said cap.

2,000,877
VEHICLE WHEEL
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application June 21, 1933, Serial No. 676,770
2 Claims. (Cl. 301—12)



2. In a vehicle wheel, the combination of a hub and spoke structure, the spokes of which have beveled end faces, an annular rim having a marginal gutter, means for supporting the rim, at points axially spaced from said marginal gutter, upon said beveled end faces of the spokes, and clamps on the respective spokes engaging said marginal gutter, said clamps having portions thereof engaging the beveled ends of the spokes.

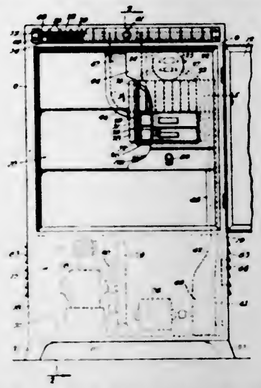
2,000,878
ACETIC ACID
Edgar C. Britton, Howard S. Nutting, and Myron E. Bleecker, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 6, 1933, Serial No. 701,183
8 Claims. (Cl. 260—116)

1. The method which comprises reacting propylene with an aqueous alkali metal hydroxide solution, and thereafter separating an acetate product from the reacted mixture.

8. In a method of making an alkali metal acetate, the step which consists in heating a gaseous hydrocarbon mixture containing ethylene and propylene with an aqueous alkali metal hydroxide solution in the presence of an inorganic basic aluminum compound under pressure to a temperature between about 350° C. and about 390° C., whereby ethylene and propylene both react to form alkali metal acetate.

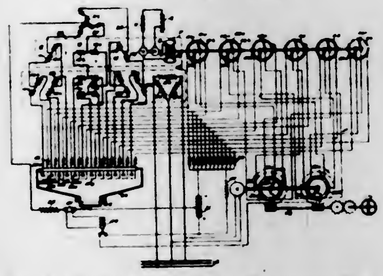
2,000,879
DOMESTIC REFRIGERATOR
Robert C. Brown, Jr., Evanston, Ill.
Application March 21, 1932, Serial No. 600,135
7 Claims. (Cl. 62—116)

1. A domestic refrigerator comprising an insulated cabinet having a food chamber therein, a door in a side wall of said chamber through which access is had to said chamber, a cooling unit associated therewith comprising a header, refrigerant ducts depending from the header and forming an intermediate freezing zone, ice trays supported in the freezing zone, a tortuous air con-



duit in the freezing zone, and means for forcing air from the exterior of the cabinet through the conduit and discharging it back into the room at a reduced temperature, said conduit preventing its mingling with the air in said compartment.

2,000,880
MOTOR CONTROL SYSTEM
Gustav Brunner, Baden, and Erwin Kern, Ennetbaden, Switzerland, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application November 7, 1934, Serial No. 751,822
In Germany June 3, 1933
13 Claims. (Cl. 172—274)



2. In a control system, an electric current supply line, a dynamo electric machine, an electric valve invariably connected with said machine and with said line for controlling the flow of energy therebetween, means for controlling the conductivity of said valve effective to control the said flow of energy during motoring operation of said machine, and means for controlling the conductivity of said valve effective to control the said flow of energy during generating operation of said machine, the direction of flow of energy between said machine and said line being determined by the relative values of the impressed and induced voltages of said machine.

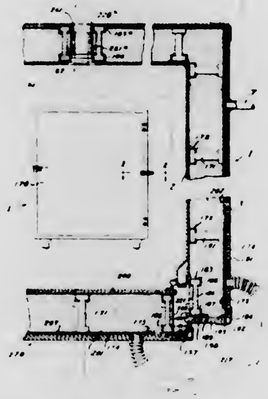
10. In combination, a polyphase alternating current supply circuit, a dynamo electric machine operable as a motor and operable as an electric current generator comprising a winding

divided into a plurality of sections arranged and connected to form a plurality of groups equal in number to the number of phases of said circuit, means linking each said group of winding sections with a different phase of said circuit, electric valve means included in the connections of said winding sections for controlling the flow of current therethrough, means actuated by said machine during each said operation thereof for controlling the conductivity of said valve means, and means interlinking said winding sections to cause current to flow simultaneously through a winding section of each said group thereof at every instant.

2,000,881
METHOD OF PURIFYING TETRACHLOROETHYLENE
Gerald H. Coleman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 20, 1933, Serial No. 698,927
6 Claims. (Cl. 260—162)

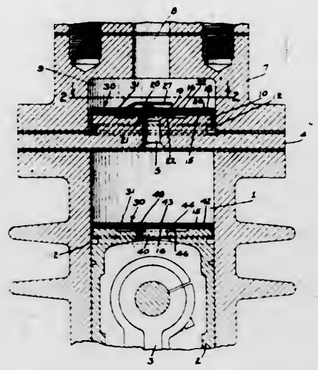
1. In a method of purifying tetrachloroethylene, the steps which consist in treating impure tetrachloroethylene with about 1 per cent its weight of aluminum chloride at above room temperature and thereafter distilling the mixture to separate purified tetrachloroethylene therefrom.

2,000,882
INSULATING HOUSING
Daniel F. Comstock, Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc., a corporation of Delaware
Original application September 7, 1928, Serial No. 304,589. Divided and this application March 20, 1930, Serial No. 437,377
4 Claims. (Cl. 220—9)



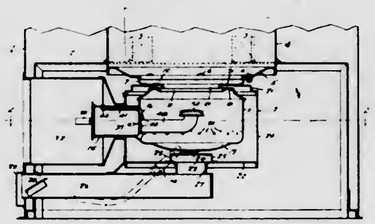
1. In combination, a heat insulating housing, said housing having a swinging closure, the walls of the housing including the closure being hollow and containing a gas pervious filler, a flexible gas duct connecting the closure with one of the fixed walls of the housing, and air passageways extending along the filler and being substantially coextensive with the wall area of the housing, said passageways communicating with the flexible gas duct and a second gas duct communicating with said passageways for connection to exterior evacuating means.

2,000,883
VALVE
Harry E. Cullen and Henry O. Ronning, Minneapolis, Minn., assignors to Henry P. Watson, Minneapolis, Minn.; Alfred F. Pillsbury and Bessie Watson executors of said Henry P. Watson, deceased
Application March 7, 1932, Serial No. 597,363
20 Claims. (Cl. 230—221)



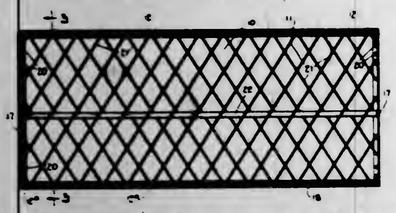
1. In a device of the class described, a structure having a passage to be controlled, a spring metal flap valve structure operatively associated with the passage, a second spring metal flap valve structure having a finger which engages the flap portion of the first valve to yieldably resist its opening movement, and a spring metal cap acting by resiliently initiated pressure to secure the elements sealingly against one another and against the structure.

2,000,884
OIL BURNER
John Alger Dahlstrom, Bay Village, and William A. Bryson, Lakewood, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 5, 1933, Serial No. 692,306
17 Claims. (Cl. 158—92)



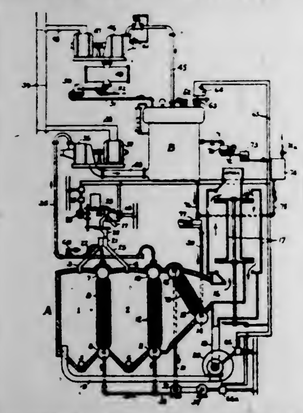
1. In combustion apparatus, a burner bowl, a housing enclosing and spaced from the bowl and having an air admitting opening, the bowl being provided with means for admitting air adjacent its periphery from the space between the housing and bowl, air conducting means extending from a point outside the housing into the bowl from one side and above the bottom thereof and terminating approximately centrally of the bowl, and means for delivering fuel to the bowl.

2,000,835
SPANDREL TRUSS
Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application April 25, 1932, Serial No. 607,389
9 Claims. (Cl. 72—1)



1. An improved spandrel truss comprising a relatively light open mesh framework of metal, a floor joist supporting beam in addition to the framework extending laterally thereof and parallel to but spaced apart from the upper and lower edges of the truss and means enclosing said structure and forming the same into a unitary structure.

2,000,836
METHOD OF HEAT TRANSFER
Herbert H. Dow, deceased, late of Midland, Mich., by Willard H. Dow and Clara Turner, administrators, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 2, 1931, Serial No. 572,741
2 Claims. (Cl. 122—33)

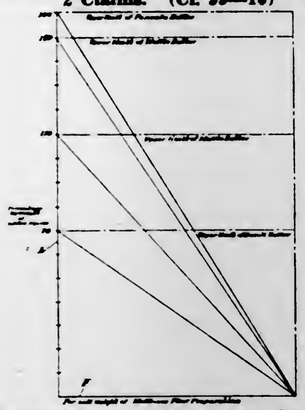


1. The method of transferring heat which comprises heating a body of diphenyloxide to a temperature between 500° and 750° F. and passing the same in indirect heat transfer relation with a body of a material to be heated.

2,000,837
VISCOSE SOLUTION
Richard Klemer, Elizabethton, Tenn., assignor to North American Rayon Corporation, a corporation of New York
No Drawing. Application July 7, 1933, Serial No. 679,299
4 Claims. (Cl. 106—40)

1. A viscose solution containing a dithio-carbonic acid starch ester.

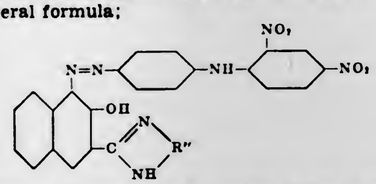
2,000,838
MULTIUSE BATTER PRODUCT
Augustus H. Fiske, Warren, Bevan W. Colby, Providence, and Georgia B. Lewis, Rumford, R. I., assignors to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island
Application January 18, 1934, Serial No. 707,136
2 Claims. (Cl. 99—10)



1. A dry multi-use batter product for the range of products including biscuits, muffins, waffles and pancakes, comprising a soft wheat cereal base approximately 82.36%, adequate free leavening reactants about 4.27% dispersed therein, whole egg product approximately .82% including yolks and whites, powdered whole milk 3.29%, granulated sugar 2.47%, salt 1.85% and a shortening of hydrogenated oil character 4.94%, the addition of indicated gradation of liquid yielding characteristic batters from which the said articles can be cooked.

2,000,839
DIRECT DEVELOPED AZO DYES AND THEIR PRODUCTION
Ernest F. Grether and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 19, 1929, Serial No. 401,012
5 Claims. (Cl. 260—95)

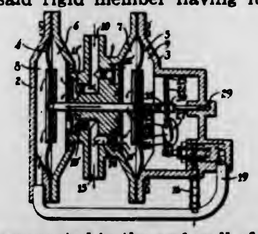
2. As a new product, an azo dye having the general formula;



wherein R'' represents a residue of the benzene series.

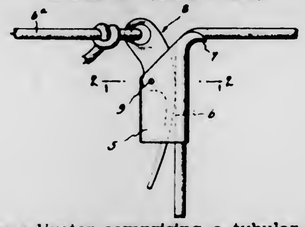
2,000,890
MOTOR
Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application June 7, 1932, Serial No. 615,920
5 Claims. (Cl. 121—48)

1. A fluid motor comprising a casing having end compartments with an intermediate body portion, each compartment being partitioned by a diaphragm to define a motor chamber, inlet and outlet ports for the chambers, a connecting rod between the two diaphragms guidingly supported in the intermediate body portion, a rigid member extending from the outer side of one of the diaphragms substantially axially of the connecting rod, said rigid member having its free end



guidingly supported in the end wall of said casing whereby the attached diaphragm is guidingly supported at its opposite sides by said rod and said rigid member, said rigid member and said connecting rod being rigidly fixed to said attached diaphragm, and automatic valve mechanism operable by said rigid member for operatively admitting fluid to said motor chambers.

2,000,891
LINE ADJUSTER
John Kries, Glendale, N. Y.
Application January 18, 1933, Serial No. 652,409
1 Claim. (Cl. 24—133)



A line adjuster comprising a tubular member thru which a line may be passed, and a lever pivotally connected to said member and passing therethrough with ends exposed and adapted when pulled at one end to press a line against said member and when pulled at its other end to release its pressure on the line, said tubular member having a lip extending at an angle to the body portion for the accommodation of the line, said lever having a convex cam surface extending from end to end on the side adjacent the rope and having an aperture in one end thru which a rope may be passed for the purpose of tying, that end of said lever opposite the apertured end being free and sufficiently exposed to constitute a handle portion by which the lever may be moved.

2,000,892
PROCESS OF CANNING CORN
Harold R. Lewis, Hoopeston, Ill.
No Drawing. Application August 15, 1933, Serial No. 685,278
12 Claims. (Cl. 99—8)

1. The method of preparing and canning different grades or styles of green corn from field run corn, which includes severing the top portions of the kernels from the cobs, then removing the remaining portions of the kernels from the cobs and maintaining them separate from the tops, subjecting the kernel tops to a grading operation in a suitable liquid bath wherein the heavier kernel tops will sink and the lighter ones float, removing the lighter and heavier kernel tops in separate groups, mixing the heavier group of kernel tops with the kernel portions last removed from the cobs, and separately canning the mixed corn and the lighter kernel tops.

2,000,893
CURLING DEVICE
Ross M. McFadden, Glendale, Calif.
Application June 6, 1932, Serial No. 615,600
2 Claims. (Cl. 132—41)



1. In a curling device, a tube provided with a plurality of transverse perforations throughout its length, a clip having end portions in overlapped relation secured to said tube, the said clip being formed with bowed side members adapted to diametrically overlie the said tube, and a roller carried by the clip and adapted to in part be received within an end of the tube to maintain the clip parallel to the longitudinal axis of the tube.

2,000,894
CURLER
Ross M. McFadden, Glendale, Calif.
Application July 10, 1934, Serial No. 734,485
8 Claims. (Cl. 132—41)

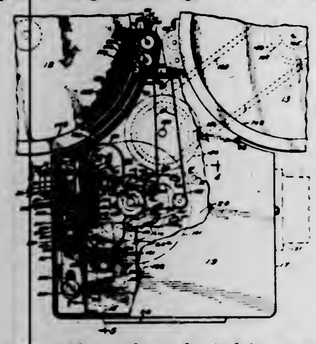


1. In a curling device, an elongated conical tube provided with a plurality of transverse perforations throughout its length, a clamp having end portions in overlapped sliding relation secured to said tube at one end thereof, the said clamp adapted to diametrically embrace the said tube, and a resilient rubber wheel carried by the clamp and adapted to in part be received within an end of the tube to maintain the clamp parallel to the longitudinal axis of the tube.

2,000,895
MOTION PICTURE CAMERA
Harry R. Schenck, Jr., Palisade, N. J.
Application August 26, 1932, Serial No. 630,517
2 Claims. (Cl. 88—18.4)

1. In a motion picture camera, a casing, a wall mounted therein having a shutter opening, a pair of parallel shafts rotatably mounted within said casing, a member pivoted within said casing and having a portion movable into covering and uncovering position with respect to said opening, a cam mounted on one of said shafts, a yoke receiving said cam and having an arm pivotally connected to said pivoted member whereby upon rotation of said cam, said pivoted member will be moved into and out of said covering position, a pin fixed within said casing, a member having an elongated slot slidably receiving said pin and provided with a pair of parallel arms, an eccentric disc fixed to said first shaft and received between said parallel arms for reciprocating said member, a cam on said second shaft, said member being provided with an opening forming a pair of parallel edges, said last mentioned cam being received within said opening and contacting said

edges, means for simultaneously rotating said shafts whereby said member may oscillate about said pin during the reciprocation thereof, and



means on said member adapted to engage a strip of film for advancing the same across said shutter opening.

2,000,896

TAG HOLDER FOR MINE CARS

Oscar J. Mustard, Pocahontas, Va., assignor of one-half to J. Powell Royall, Tazewell, Va.

Application January 30, 1934, Serial No. 709,014

3 Claims. (Cl. 40—15)



2. In combination, a mine car having a side wall provided with a slot, a tag holder in the form of a hook including a shank and an integral U-shaped head, said head being arranged to work through said slot, and to normally lie within the slot with the open end of the U-shaped head projecting inwardly of the mine car, and a plate pivoted within the car and attached to said shank.

DESIGNS

MAY 7, 1935

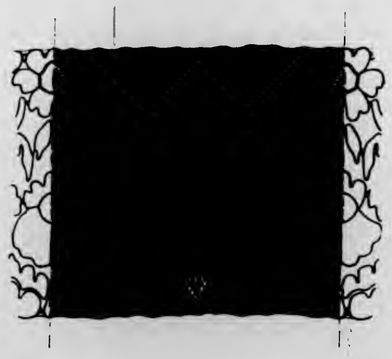
95,478

DESIGN FOR A LACE

William Roger Adaire, Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York

Application February 28, 1935, Serial No. 55,657

Term of patent 3½ years



The ornamental design for a lace as shown and described.

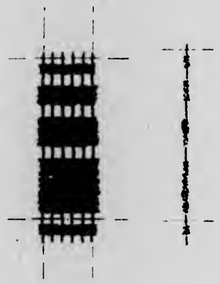
95,479

DESIGN FOR LACE

Esther Alper, Brooklyn, N. Y.

Application February 1, 1935, Serial No. 55,192

Term of patent 3½ years



The ornamental design for lace, as shown and described.

95,480

DESIGN FOR A SHOE

Thomas R. Atkins, Cliftondale, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts

Application February 14, 1935, Serial No. 55,426

Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

95,481

DESIGN FOR A SHOE

Thomas R. Atkins, Cliftondale, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts

Application February 14, 1935, Serial No. 55,427

Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

95,482
DESIGN FOR A TABLE CENTERPIECE
Norman Bel Geddes, New York, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application February 13, 1935, Serial No. 55,392
Term of patent 7 years



The ornamental design for a table centerpiece, substantially as shown and described.

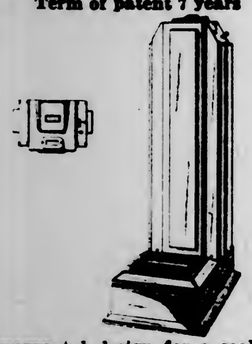
95,483
DESIGN FOR A HAND BAG OR THE LIKE
Benjamin Blacher, Providence, R. I., assignor to Blacher Brothers, Providence, R. I., a partnership composed of Benjamin Blacher and Harry Blacher
Application May 27, 1933, Serial No. 48,223
Term of patent 3½ years





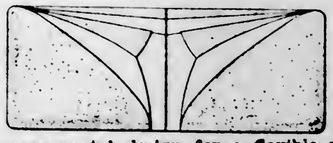
The ornamental design for a handbag or the like, substantially as shown.

95,484
DESIGN FOR A SCALE CASING
Alfred Bousfield, Brooklyn, N. Y.
Application March 9, 1935, Serial No. 55,794
Term of patent 7 years



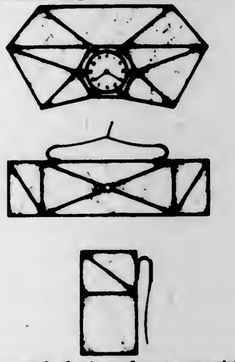
The ornamental design for a scale casing, as shown.

95,485
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application August 20, 1934, Serial No. 52,998
Term of patent 14 years



The ornamental design for a flexible pocket receptacle substantially as shown, and described.

95,486
DESIGN FOR A COMBINED LAMP AND CLOCK CASE
Clem L. Connally, Fort Worth, Tex.
Application September 17, 1934, Serial No. 53,312
Term of patent 7 years



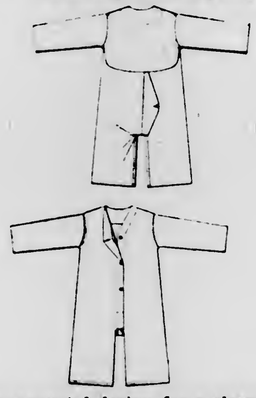
The ornamental design for a combined lamp and clock case substantially as shown.

95,487
DESIGN FOR A BOX COVER
Martha Hallowell Connor, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a corporation of New Jersey
Application February 8, 1935, Serial No. 55,320
Term of patent 14 years



The ornamental design for a box cover, as shown.

95,488
DESIGN FOR A SLEEPING GARMENT OR SIMILAR ARTICLE
Louis Davis, Brooklyn, N. Y.
Application September 4, 1934, Serial No. 53,193
Term of patent 14 years



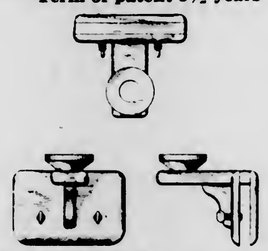
The ornamental design for a sleeping garment or similar article as shown and described.

95,489
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Gertrude Deist, New York, N. Y.
Application January 10, 1935, Serial No. 54,790
Term of patent 3½ years



The ornamental design for a textile fabric or similar article of manufacture, as shown and described.

95,490
DESIGN FOR A LAMP BRACKET
Herman E. De Vries, New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt.
Application February 7, 1935, Serial No. 55,293
Term of patent 3½ years



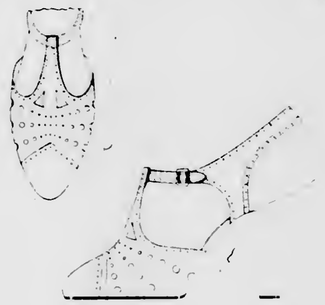
The ornamental design for a lamp bracket substantially as shown.

95,491
DESIGN FOR A SHOE
Ernest C. Doring, Quincy, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,422
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

95,492
DESIGN FOR A SHOE
Ernest C. Doring, Quincy, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,423
Term of patent 3½ years



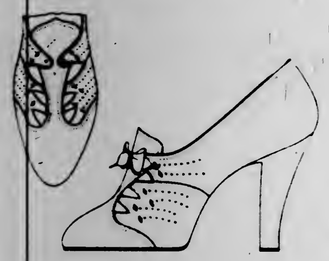
The ornamental design for a shoe substantially as shown and described.

95,493
DESIGN FOR A SHOE
Ernest C. Doring, Quincy, Mass., assignor to Schoinick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,424
Term of patent 3½ years



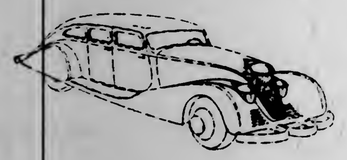
The ornamental design for a shoe substantially as shown and described.

95,494
DESIGN FOR A SHOE
Ernest C. Doring, Quincy, Mass., assignor to Schoinick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,425
Term of patent 3½ years

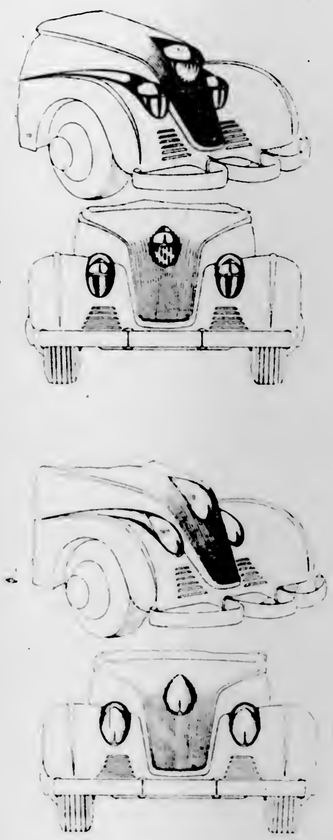


The ornamental design for a shoe substantially as shown and described.

95,495
DESIGN FOR AUTOMOBILE
Harley J. Earl, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 13, 1935, Serial No. 55,378
Term of patent 14 years

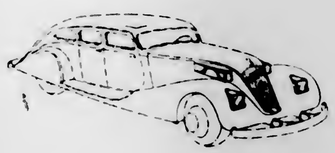


95,495—Continued

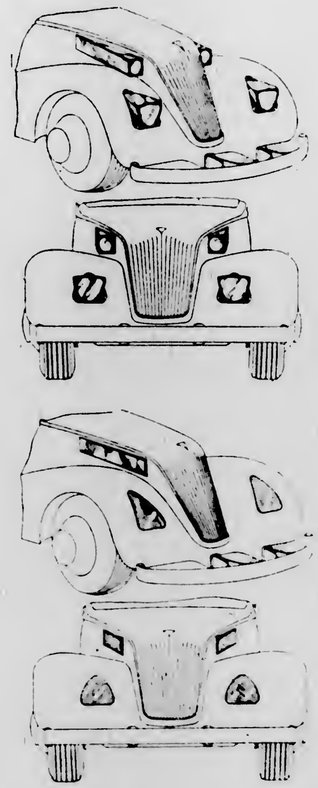


The ornamental design for automobile as shown and described.

95,496
DESIGN FOR AUTOMOBILE
Harley J. Earl, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 13, 1935, Serial No. 55,379
Term of patent 14 years

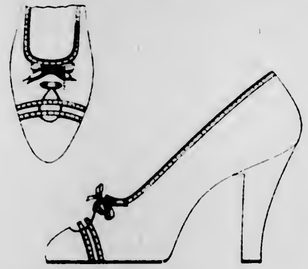


95,496—Continued



The ornamental design for automobile as shown and described.

95,497
DESIGN FOR A SHOE
Jacob Fishman, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,420
Term of patent 3½ years



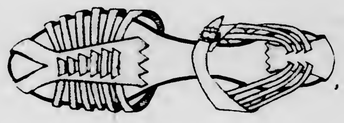
The ornamental design for a shoe substantially as shown and described.

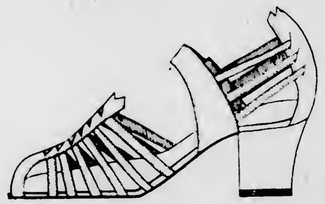
95,498
DESIGN FOR A KNITTED HAND-COVERING
Alexander J. Friedlander, Milwaukee, Wis., assignor to M. Friedlander Knitting Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 19, 1935, Serial No. 54,927
Term of patent 7 years



The ornamental design for a knitted hand-covering, substantially as shown and described.

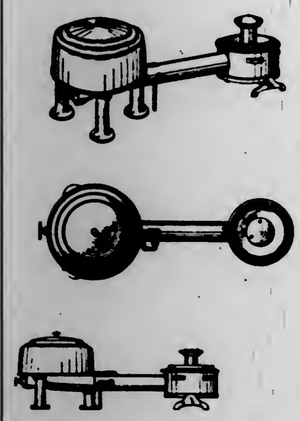
95,499
DESIGN FOR A SANDAL
Dave Gilbert, New York, N. Y.
Application March 18, 1935, Serial No. 55,922
Term of patent 3½ years





The ornamental design for a sandal, substantially as shown.

95,500
DESIGN FOR AN OIL BURNING APPARATUS OR SIMILAR ARTICLE
Jackson G. Gilmore and Harold B. Donley, Columbus, Ohio, assignors to Franklin Oil Heating Inc., Columbus, Ohio, a corporation of Ohio
Application September 19, 1934, Serial No. 53,332
Term of patent 7 years



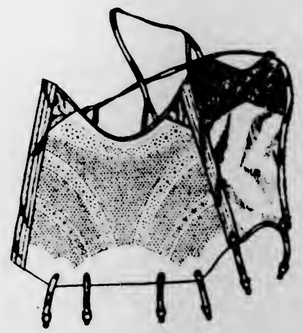
The ornamental design for an oil burning apparatus or similar article, as shown.

95,501
DESIGN FOR A WINE GLASS
James Graham Green, Colorado Springs, Colo.
Application February 1, 1935, Serial No. 55,203
Term of patent 7 years



The ornamental design for a wine glass as shown.

95,502
DESIGN FOR A CORSELETTE
Jeanne F. Greig, London, England, assignor to The Charnaux Patent Corset Company Limited, London, England
Application March 5, 1935, Serial No. 55,746
In Great Britain January 25, 1935
Term of patent 14 years



The ornamental design for a corselette, as shown.

95,503
DESIGN FOR A VASE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,559
Term of patent 3½ years



The ornamental design for a vase, as shown.

95,504
DESIGN FOR A VASE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,560
Term of patent 3½ years



The ornamental design for a vase as shown.

95,505
DESIGN FOR A VASE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,561
Term of patent 3½ years



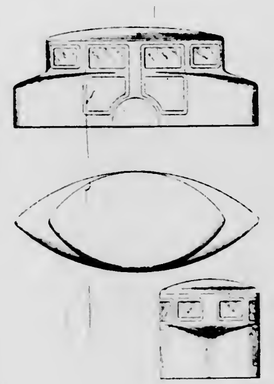
The ornamental design for a vase as shown.

95,506
DESIGN FOR A BOTTLE
William Guyer, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana
Application February 27, 1935, Serial No. 55,643
Term of patent 14 years



The ornamental design for a bottle as shown.

95,507
DESIGN FOR A TOURING CAR BODY
John O. Heinze, Detroit, Mich., assignor to Heinze Development Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1935, Serial No. 55,482
Term of patent 7 years



The ornamental design for a touring car body, as shown.

95,508
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application March 5, 1935, Serial No. 55,745
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

95,509
DESIGN FOR A CHECK WRITER
John F. Hunter, East Orange, N. J., assignor to Safeguard, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 55,587
Term of patent 14 years



The ornamental design for a check writer, substantially as shown.

95,510
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 6, 1934, Serial No. 54,366
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

95,511
DESIGN FOR A SHOE
Nathan Kenneth Kean, New York, N. Y.
Application March 11, 1935, Serial No. 55,809
Term of patent 3½ years



The ornamental design for a shoe as shown.

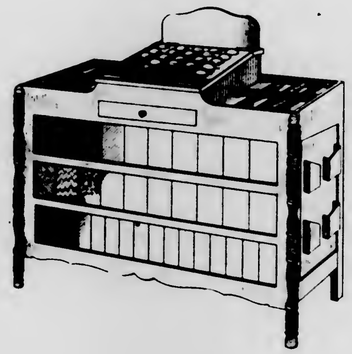
95,512
DESIGN FOR A SHOE
Nathan Kenneth Kean, New York, N. Y.
Application March 11, 1935, Serial No. 55,810
Term of patent 3½ years





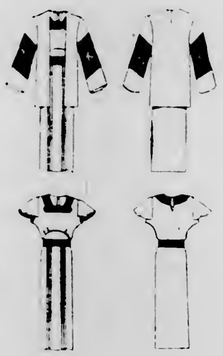
The ornamental design for a shoe as shown.

95,513
DESIGN FOR A DISPLAY CABINET
Frederick B. Keuthan, Indianapolis, Ind.
Application September 21, 1934, Serial No. 53,354
Term of patent 3½ years



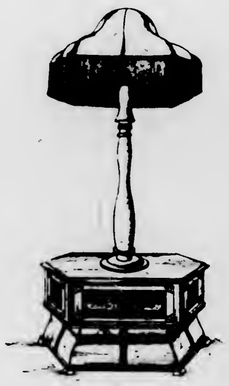
The ornamental design for a display cabinet, as shown and described.

95,514
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 9, 1935, Serial No. 56,281
Term of patent 3½ years



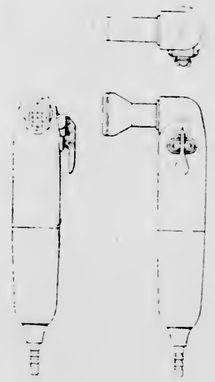
The ornamental design for an ensemble dress, substantially as shown and described.

95,515
DESIGN FOR A PEDESTAL LAMP
John Kollwitz, North Tonawanda, N. Y.
Application February 19, 1935, Serial No. 55,491
Term of patent 7 years



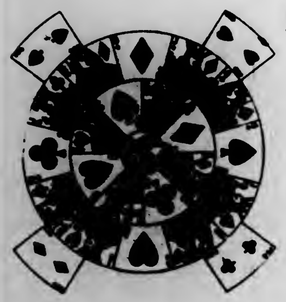
The ornamental design for a pedestal lamp, as shown.

95,516
DESIGN FOR A MASSAGE APPLICATOR
Anton Kretschan, Chicago, Ill.
Application April 28, 1934, Serial No. 51,580
Term of patent 7 years



The ornamental design for a massage applicator, as shown.

95,517
DESIGN FOR A TARGET
Louis G. La Barie, Rochester, N. Y.
Application March 27, 1934, Serial No. 51,202
Term of patent 3½ years



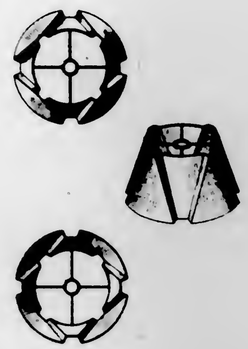
The ornamental design for a target, as shown and described.

95,518
DESIGN FOR A LAMP SHADE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,531
Term of patent 3½ years



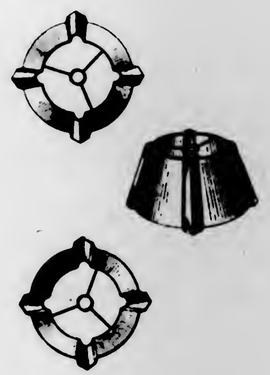
The ornamental design for a lamp shade, as shown.

95,519
DESIGN FOR A LAMP SHADE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,532
Term of patent 3½ years



The ornamental design for a lamp shade, as shown.

95,520
DESIGN FOR A LAMP SHADE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,533
Term of patent 3½ years



The ornamental design for a lamp shade, as shown.

95,521
DESIGN FOR A LAMP SHADE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,534
Term of patent 3½ years



The ornamental design for a lamp shade, as shown.

95,522
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,535
Term of patent 3½ years



The ornamental design for a lamp base or similar article, as shown.

95,523
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,536
Term of patent 3½ years



The ornamental design for a lamp base or similar article, as shown.

95,524
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,537
Term of patent 3½ years



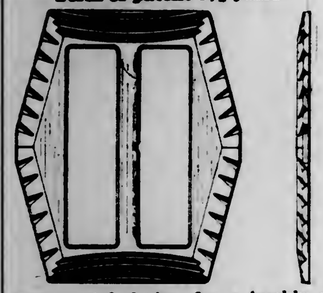
The ornamental design for a lamp base or similar article, as shown.

95,525
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Lazar, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,538
Term of patent 3½ years



The ornamental design for a lamp base or similar article, as shown.

95,526
DESIGN FOR A BUCKLE SLIDE
Seymour J. Lesnik, Newark, N. J., assignor to American Record Corporation, New York, N. Y., a corporation of New York
Application March 7, 1935, Serial No. 55,772
Term of patent 3½ years



The ornamental design for a buckle slide, as shown.

95,527
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application March 18, 1935, Serial No. 55,915
Term of patent 3½ years



The ornamental design for a shoe, as shown.

95,528
DESIGN FOR A SHOE
Herman Lieber, Woodside, N. Y.
Application February 16, 1935, Serial No. 55,458
Term of patent 3½ years



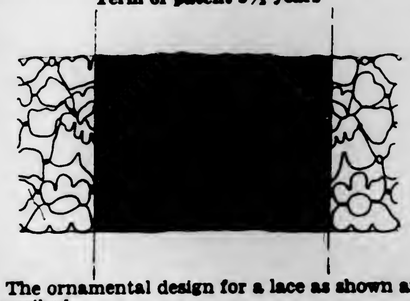
The ornamental design for a shoe, as shown.

95,529
DESIGN FOR A DOOR HANDLE
George D. Lindstrom and Edwin North, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Illinois
Application March 1, 1935, Serial No. 55,666
Term of patent 3½ years



The ornamental design for a door handle as shown.

95,530
DESIGN FOR A LACE
Frederick Mackintosh, Bristol, R. I., assignor to Gehring Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 55,659
Term of patent 3½ years



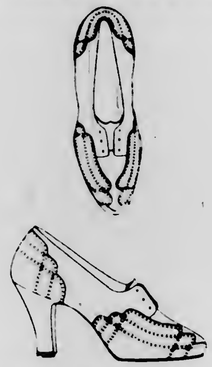
The ornamental design for a lace as shown and described.

95,531
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
John J. Maibach, New York, N. Y., assignor to Davis & Catterall, New York, N. Y.
Application March 13, 1935, Serial No. 55,865
Term of patent 3½ years



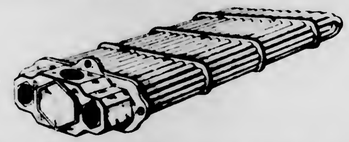
The ornamental design for a textile fabric or similar article as shown and described.

95,532
DESIGN FOR A SHOE
Charles Morali, Forest Hills, N. Y., assignor to Delman, Inc., New York, N. Y.
Application February 25, 1935, Serial No. 55,600
Term of patent 3½ years



The ornamental design for a shoe as shown.

95,533
DESIGN FOR A HEATING COIL
Virgil Willis Moray, New York, N. Y.
Application February 4, 1935, Serial No. 55,217
Term of patent 7 years



The ornamental design for a heating coil, as shown.

95,534
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application February 14, 1935, Serial No. 55,416
Term of patent 3½ years





The ornamental design for a shoe as shown.

95,535
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application February 14, 1935, Serial No. 55,417
Term of patent 3½ years





The ornamental design for a shoe as shown

95,536
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application February 14, 1935, Serial No. 55,418
Term of patent 3½ years





The ornamental design for a shoe as shown.

95,537
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application February 26, 1935, Serial No. 55,506
Term of patent 3½ years





The ornamental design for a shoe as shown.

95,538
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application March 1, 1935, Serial No. 55,633
Term of patent 3½ years

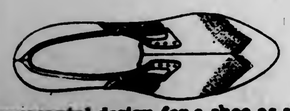




The ornamental design for a shoe as shown.

95,539
DESIGN FOR A SHOE
Henry W. Nieman, Columbus, Ohio
Application March 1, 1935, Serial No. 55,634
Term of patent 3½ years





The ornamental design for a shoe as shown.

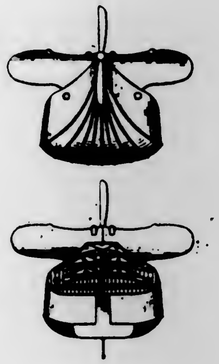
95,540
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application March 28, 1935, Serial No. 56,093
Term of patent 3½ years





The ornamental design for a shoe, as shown.

95,541
DESIGN FOR A BOAT
Frank J. Piccola, Lynn, Mass.
Application January 11, 1935, Serial No. 54,820
Term of patent 7 years



The ornamental design for a boat as shown.

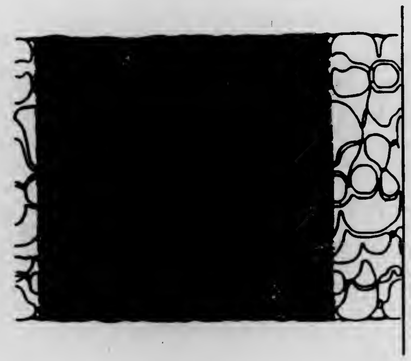
95,542
DESIGN FOR A SHOE
Flora Belle Polley, New York, N. Y.
Application March 20, 1935, Serial No. 55,961
Term of patent 3½ years





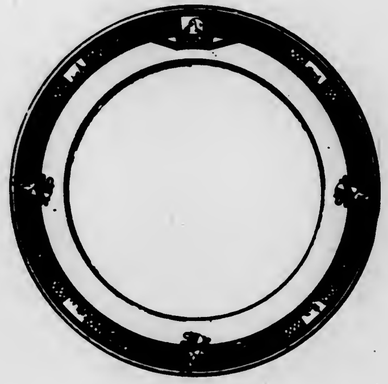
The ornamental design for a shoe, substantially as shown.

95,543
DESIGN FOR A LACE
William Priestley, Cranston, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 55,658
Term of patent 3½ years



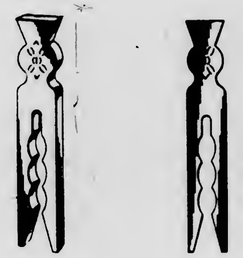
The ornamental design for a lace, as shown and described.

95,544
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Henry Rampfel, Lakewood, N. J., assignor to Nathan Straus & Sons, Inc., New York, N. Y., a corporation of New York
Application January 25, 1935, Serial No. 55,047
Term of patent 7 years



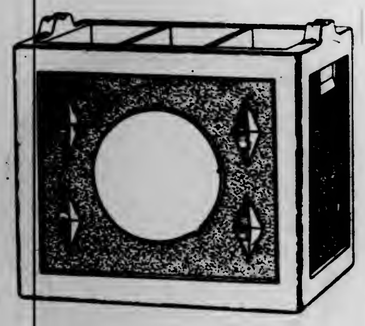
The ornamental design for a plate or similar article, substantially as shown.

95,545
DESIGN FOR A CLOTHESPIN OR SIMILAR ARTICLE
Edwin Reynolds, Vineland, N. J.
Application February 6, 1935, Serial No. 55,268
Term of patent 14 years



The ornamental design for a clothespin or similar article, substantially as shown and described.

95,546
DESIGN FOR A STORAGE BATTERY CASE
Oliver G. Risser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 4, 1935, Serial No. 55,696
Term of patent 7 years



The ornamental design for a storage battery case, as shown and described.

95,547
DESIGN FOR A BOTTLE
Grace Chess Robinson, New York, N. Y., assignor to Mary Chess Inc., New York, N. Y., a corporation of New York
Application February 26, 1935, Serial No. 55,626
Term of patent 14 years



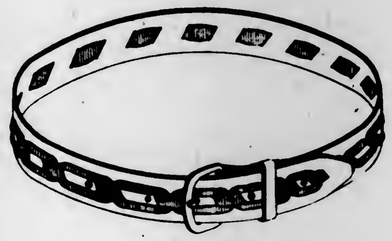
The ornamental design for a bottle, as shown.

95,548
DESIGN FOR A CHARACTER DOLL OR SIMILAR ARTICLE
Edward J. Rogers, Kansas City, Mo.
Application March 9, 1935, Serial No. 55,798
Term of patent 14 years



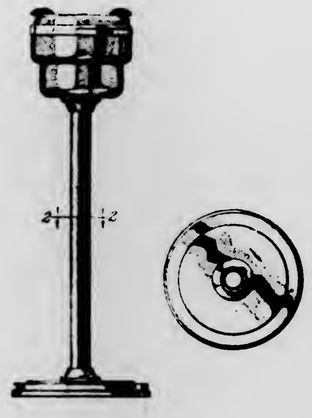
The ornamental design for a character doll or similar article, as shown.

95,549
DESIGN FOR A BELT FOR PERSONAL WEAR
Morris Sachs, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application November 12, 1934, Serial No. 53,980
Term of patent 3½ years



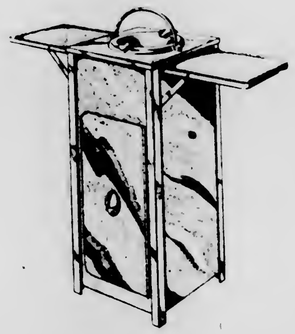
The ornamental design for a belt for personal wear, as shown and described.

95,550
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 21, 1935, Serial No. 55,557
Term of patent 3½ years



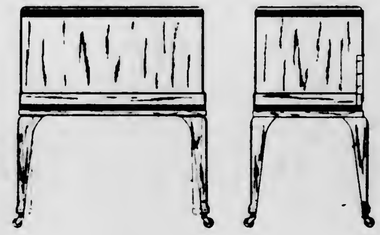
The ornamental design for a smoking stand, as shown.

95,551
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 21, 1935, Serial No. 55,558
Term of patent 3½ years



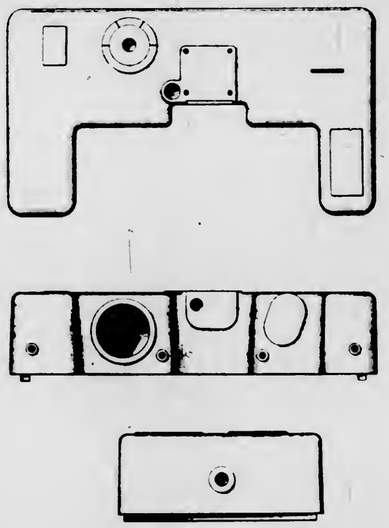
The ornamental design for a smoking stand, as shown.

95,552
DESIGN FOR AN IRONING MACHINE CABINET
Herman A. Sperlich and Johannes H. Uhlig, Detroit, Mich.
Application January 30, 1935, Serial No. 55,157
Term of patent 7 years



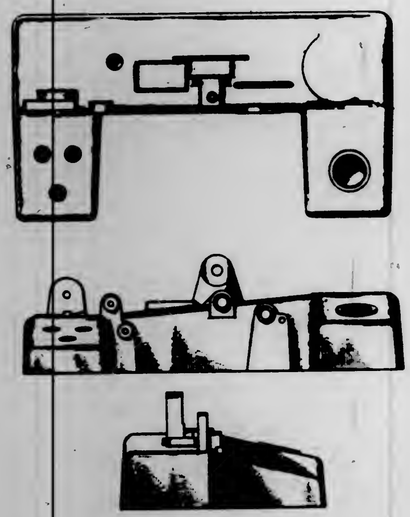
The ornamental design for an ironing machine cabinet, substantially as shown and described.

95,553
DESIGN FOR A PICTURE PROJECTING MACHINE BASE
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1935, Serial No. 55,527
Term of patent 14 years



The ornamental design for a picture projecting machine base, as shown.

95,554
DESIGN FOR A PICTURE PROJECTING MACHINE BASE
Bruno Steinhart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1935, Serial No. 55,597
Term of patent 14 years



The ornamental design for a picture projecting machine base, as shown.

95,555
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, Millville, N. J., a corporation of New Jersey
Application February 21, 1935, Serial No. 55,552
Term of patent 14 years



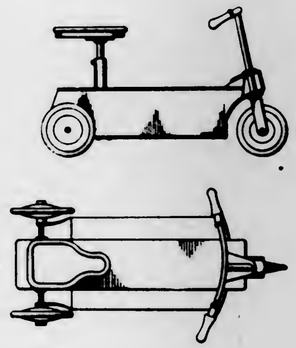
The ornamental design for a bottle as shown.

95,556
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to The Black Prince Distilleries, Inc., Nutley, N. J., a corporation of New Jersey
Application February 25, 1935, Serial No. 55,606
Term of patent 14 years



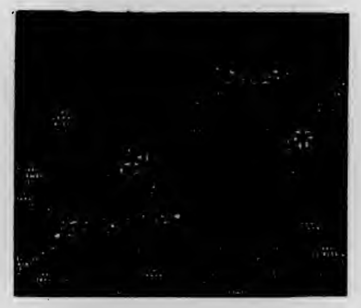
The ornamental design for a bottle as shown.

95,557
DESIGN FOR A CHILD'S WHEELED VEHICLE
James H. Stevenson, Los Angeles, Calif.
Application September 19, 1934, Serial No. 53,327
Term of patent 7 years



The ornamental design for a child's wheeled vehicle as shown.

95,558
DESIGN FOR LACE
Joseph A. Sutton, New York, N. Y.
Application March 13, 1935, Serial No. 55,862
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

95,559
DESIGN FOR A BEVERAGE MIXER
Joseph M. Vogel, Adrian, Mich.
Application February 4, 1935, Serial No. 55,218
Term of patent 3½ years



The ornamental design for a beverage mixer, substantially as shown.

95,560
DESIGN FOR A SHOE
Harry E. Williams, St. Louis, Mo.
Application February 15, 1935, Serial No. 55,439
Term of patent 3½ years



The ornamental design for a shoe, as shown.

95,561
DESIGN FOR A SHOE
Harry E. Williams, St. Louis, Mo.
Application February 15, 1935, Serial No. 55,441
Term of patent 3½ years



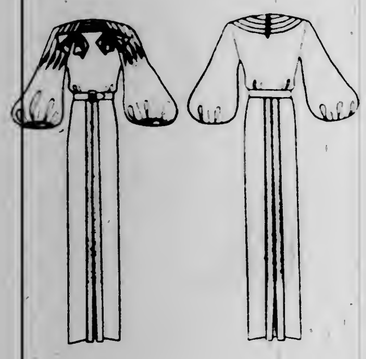
The ornamental design for a shoe, as shown.

95,562
DESIGN FOR AN INSTANTANEOUS WATER HEATER
Albin Youngholm, San Francisco, Calif.
Application March 5, 1935, Serial No. 55,732
Term of patent 14 years



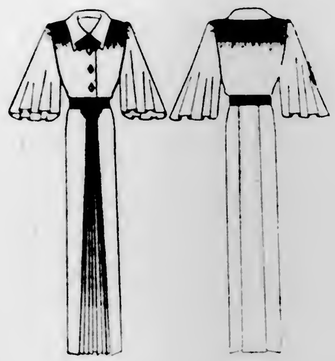
The ornamental design for an instantaneous water heater, substantially as shown.

95,563
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application April 1, 1935, Serial No. 56,171
Term of patent 3½ years



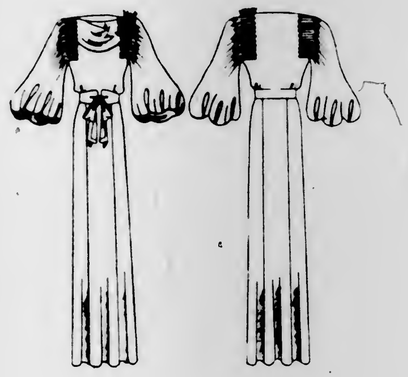
The ornamental design for a dress, substantially as shown and described.

95,564
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application April 1, 1935, Serial No. 56,172
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

95,565
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application April 1, 1935, Serial No. 56,174
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

95,566
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application April 1, 1935, Serial No. 56,175
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

95,567
DESIGN FOR A SHOE
Bogislavs Zegorav, New York, N. Y.
Application March 28, 1935, Serial No. 56,094
Term of patent 3½ years



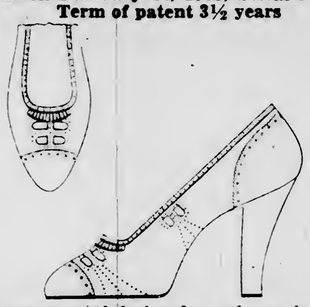
The ornamental design for a shoe, as shown.

95,568
DESIGN FOR A SHOE
Bogislavs Zegorav, New York, N. Y.
Application March 28, 1935, Serial No. 56,095
Term of patent 3½ years



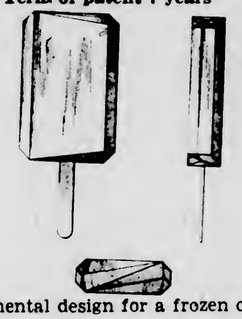
The ornamental design for a shoe, as shown.

95,569
DESIGN FOR A SHOE
Evelyn Ziniti, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 55,421
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

95,570
DESIGN FOR A FROZEN CONFECTION
Harry W. Hahn, Los Angeles, Calif., assignor to Paul Hawkins Company, Los Angeles, Calif., a corporation of California
Application February 11, 1935, Serial No. 55,346
Term of patent 7 years



The ornamental design for a frozen confection as shown.

THE

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May 14, 1935

Trade-Marks	312—No.	324,092 to No.	324,403, inclusive.
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Labels	16—No.	45,567 to No.	45,582, inclusive.
Prints	13—No.	15,137 to No.	15,149, inclusive.
Reissues	4—No.	19,568 to No.	19,571, inclusive.
Patents	799—No.	2,000,897 to No.	2,001,696, inclusive.
Designs	51—No.	95,571 to No.	95,621, inclusive.
Total	1,254		

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Apr. 18, 1935.*

Louis M. Furman, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Company, 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Louis M. Furman, 110 Bleeker Street, Brooklyn, N. Y., No. 156,799, dated July 11, 1922, and the notice of such proceeding sent by registered mail to the said Louis M. Furman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Louis M. Furman, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 20, 1935.*

Morris Pober, his assigns or legal representatives take notice:

An application for cancellation having been filed in in this Office by Henry J. Edwards, 61 Hanover Street, Boston, Massachusetts, to effect the cancellation of trade-mark registration of Morris Pober, 16 West 18th Street, New York, N. Y., No. 317,523, dated September 25, 1934, and the notice of such proceeding sent by registered mail to the said Morris Pober at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Morris Pober, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Trade-Mark Registrations Canceled

150,633. Insecticide. Vaycide Chemical Corporation, Birmingham, Ala. Registered January 3, 1922. Canceled April 26, 1935.

167,292. Toilet water. W. J. Bush & Co., Inc., New York, N. Y. Registered April 24, 1923. Canceled April 26, 1935.

167,293. Toilet water. W. J. Bush & Co., Inc., New York, N. Y. Registered April 24, 1923. Canceled April 26, 1935.

250,012. Skin cream. Godefroy Manufacturing Company, St. Louis, Mo. Registered November 27, 1928. Canceled April 26, 1935.

269,353. Certain listed surgical and medical instruments and supplies. Actien-Gesellschaft für Feinmechanik, vormals Jetter & Scheerer, Tuttlingen, Germany. Registered April 1, 1930. Canceled April 16, 1935.

305,919. Combined cleansing powder and insecticides for domestic animals. James M. Campbell, Brooklyn, N. Y. Registered August 29, 1933. Canceled April 26, 1935.

308,684. Soap and shaving cream. W. J. Bush & Co., Inc., doing business as Potter & Moore, New York, N. Y. Registered December 12, 1933. Canceled April 16, 1935.

309,696. Certain named toilet and pharmaceutical preparations. W. J. Bush & Co., Inc., New York, N. Y. Registered January 23, 1934. Canceled April 16, 1935.

319,229. Cheese. Max Landau, doing business as Max Landau & Co., New York, N. Y. Registered November 20, 1934. Canceled April 16, 1935.

319,493. Canned grapefruit juice for beverage purposes. Perfect Packers, Tampa, Fla. Registered November 27, 1934. Canceled April 16, 1935.

319,928. Hosiery. Herbert M. Kaiser, New York, N. Y., assignor to May Hosiery Mills, Inc., Burlington, N. C., a corporation of New York. Registered December 11, 1934. Canceled April 26, 1935.

Condition of Applications Under Examination at Close of Business April 27, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 34,532; Trade-Mark Division, 1,417. Oldest new case, December 28, 1934; oldest amended, December 27, 1934. The dates given are 1935 except where † indicates 1934.)

Room No.		Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1.	LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 5	Mar. 6	318
6708	2.	HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 14	Feb. 14	443
4093	3.	LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 28	Jan. 28	547
7063	4.	DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 9	Jan. 19	447
3628	5.	MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Jan. 28	Feb. 9	467
4808 C	6.	LEWERS, A. M., Carbon Chemistry	Jan. 8	Jan. 12	918
5725	7.	JARBOE, C. G., Optics; Photography	Jan. 25	Jan. 25	801
3980	8.	ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 2	Feb. 8	501
4824	9.	ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 27	Feb. 26	324
6612	10.	HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Feb. 16	Feb. 16	353
5087 B	11.	BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Dec. 31	†Dec. 31	581
7701	12.	HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Jan. 5	Jan. 12	439
5096	13.	BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 18	Feb. 18	300
5097	14.	BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 28	Jan. 28	447
4807	15.	WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 11	Feb. 11	780
5612	16.	SPENCER, C. J., Telegraphy; Telephony	Jan. 16	Jan. 17	602
5701	17.	ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 2	Jan. 27	669
4612	18.	PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 4	Feb. 2	379
4006	19.	KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 4	Jan. 28	575
6613	20.	GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 4	Feb. 23	275
7733	21.	THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 28	Jan. 30	617
5724	22.	RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Jan. 16	Jan. 17	643
7892	23.	BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	†Dec. 31	†Dec. 28	499
5083	24.	DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 30	Jan. 30	602
5709	25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 28	Jan. 28	635
5893	26.	ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 26	Feb. 28	254
5708	27.	CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Jan. 28	Jan. 28	491
4628	28.	BENSON, A. R., Internal-Combustion Engines	Jan. 27	Jan. 27	337
5062	29.	SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Jan. 28	Jan. 28	517
4074	30.	SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 31	Jan. 8	498
4716	31.	DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Jan. 28	Jan. 28	800
4086	32.	BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 20	Feb. 18	327
6006	33.	WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Jan. 14	Jan 18	595
6625	34.	SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 9	Jan. 9	599
3600	35.	REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Jan. 28	Jan. 28	598
7694	36.	McFAYDEN, A. D., Measuring Instruments: Force Measuring; Automatic Weighers	Jan. 24	Jan. 25	415
5886 B	37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 29	†Dec. 31	593
7510	38.	KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Plastic Compositions.	Feb. 16	Feb. 8	397
4872	39.	WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 19	Feb. 21	326
7980	40.	OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 7	Jan. 7	857
6082	41.	WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Jan. 29	Jan. 29	537
5682	42.	CUTTING, H. O., Electric Signaling	Feb. 5	Jan. 31	482
4886 B	43.	KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 11	Jan. 11	554
4087 B	44.	SHAFFER, C. H., Refrigeration; Dispensing Beverages	†Dec. 28	†Dec. 27	597
7097	45.	HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Feb. 11	Feb. 11	361
4613	46.	TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Jan. 3	Jan. 4	524
7600	47.	BARKER, H., Clutches; Brakes	Feb. 15	Feb. 14	578
5731	48.	ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 24	Jan. 25	515
7725	49.	SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 4	Feb. 6	483
4701	50.	BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 10	Jan. 10	911
5628	51.	BACKUS, C. D., Radiant Energy	Feb. 5	Feb. 5	641
7709	52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housing; Laminated Packing.	Jan. 31	Feb. 11	534
6897	53.	PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 12	Feb. 20	374
5874	54.	WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 4	Feb. 5	600
6857	55.	BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 28	Feb 28	398
4726	56.	PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Jan. 2	Jan. 2	692
3625	57.	NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 4	Mar. 2	228
5605	58.	DOWELL, E. F., Abrading; Bottles and Jars	Mar. 4	Mar. 4	298
4709	59.	RICHARD, V. I., Chemistry; Fertilizers	Jan. 28	Jan. 25	491
5896	60.	GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 2	Feb. 2	325
6724	61.	PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Jan. 7	Jan. 12	367
3676	62.	COCHRAN, W. W., Games; Geometrical Instruments	Jan. 30	Feb. 7	501
4898	63.	WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 14	Jan. 12	589
4708	64.	NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Jan. 28	Jan. 29	830
5624	65.	McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Feb. 1	Feb. 1	384
2000 B		TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND, Trade-Marks	Mar. 28	Apr. 15	1,249
		Labels and Prints	Apr. 19	Apr. 15	168
2605		DESIGNS, H. H. KALUPY (Act.)	Mar. 23	Apr. 10	772

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LOWRY

No. 3,362. Decided January 7, 1935

PATENTABILITY—ALLOY OF NICKEL-COBALT BASE—INDEFINITENESS.

Certain claims for an alloy of a nickel-cobalt base *Held* unpatentable on the ground of indefiniteness.

APPEAL from the Patent Office. Affirmed.

Mr. O. H. Eschholz and *Mr. J. Howard Flint* for Lowry.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, rejecting claims 34, 35, and 36 of appellant's application for a patent upon a claimed new alloy, comprising nickel, cobalt, iron, titanium, and the like.

Said claims are as follows:

34. An improved allow of nickel-cobalt base having high mechanical, electrical and oxidation resistance consisting of nickel in minimum amount of about 3.5% and cobalt in minimum amount of about 3.5%, the sum of nickel and cobalt ranging from about 70% to 95%, and the balance being approximately 30% to 5% iron plus metal selected from a group consisting of vanadium, molybdenum, manganese, tungsten and titanium, the selected metal being about 10% to 1% of the total alloy.

35. An improved allow of nickel-cobalt base having high mechanical, electrical and oxidation resistance, consisting of nickel in minimum amount of about 3.5% and cobalt in a minimum amount of about 3.5% the sum of nickel and cobalt ranging from about 70% to 95%, and about 1% to 10% titanium, and the balance primarily iron.

36. An improved alloy of nickel-cobalt base having high mechanical, electrical and oxidation resistance consisting of cobalt in minimum amount of about 5% and nickel present in excess of the cobalt, the sum of nickel and cobalt ranging from about 70 to 95%, and the balance approximately about 30 to 5% iron plus metal selected from a group consisting of vanadium, molybdenum, manganese, tungsten, and titanium, the selected metal being about 4% to 1% of the total alloy.

These claims were rejected by the Examiner on indefiniteness and on certain references. The Board of Appeals affirmed this decision, on all grounds. Other claims, more definite and specific, were allowed.

The appellant offered in support of his application in the Office the affidavits of Percy G. McVetty and Porter H. Brace, each of whom was entirely qualified to speak on the subject of alloys, and each of whom had conducted experiments relative to alloys comprising nickel and cobalt and the other elements mentioned by appellant in his specification.

The Examiner was of opinion that the metals, cobalt and nickel, as used in this application, were used as, and were, equivalents. The affidavit of McVetty took issue with this, and said, *inter alia:*

Deponent states that he has conducted tests and measurements of this alloy in comparison with other alloys, and as a result he is clearly of the opinion that the alleged equivalency does not exist in this alloy but that the alloy is a new metal system to which nickel and cobalt contribute their own peculiar and non-interchangeable factors. • • •

Brace expresses a similar view in his affidavit. Each expresses the further view that, as the proportions of these metals which enter into the alloys are changed, the character of the alloy radically changes, especially as to hot tensile strength. After a careful reading of these affidavits, it is impossible to escape the conviction that, on this record, nickel and cobalt cannot be considered as equivalents.

Claims 34 and 35 represent a range of cobalt from 3.5 per centum to 91.5 per centum, and of nickel from 3.5 per centum to 91.5 per centum. Claim 36 provides, as its proportions, a minimum amount of 5 per centum cobalt, and nickel present "in excess of the cobalt."

If we accept the appellant's contentions of non-equivalency, there seems to be no escape from the conclusion of the Board of Appeals:

• • • If, on the other hand, as strenuously urged by appellant, they are not equivalent, then it is very clear that these claims cover alloys of very different character and the range is of such wide scope that the claims should not be allowed because of their indefiniteness, and as covering two alloys of different characteristics.

We are of opinion that the Board properly rejected claims 34, 35, and 36 on the ground of indefiniteness. In so doing, it was within the doctrine announced by us in several cases. *In re Gray et al.*, 19 C. C. P. A. (Patents) 745, 53 F.(2d) 520; *In re Richter*, 19 C. C. P. A. (Patents) 756, 53 F. (2d) 525.

The appellant argues that he has shown invention in his "high-cobalt range." The difficulty with this position is that his rejected claims are not so limited, and we may not read limitations into them. *In re Krichbaum*, 17 C. C. P. A. (Patents) 979, 39 F.(2d) 280; *In re Stern*, 17 C. C. P. A. (Patents) 1234, 40 F.(2d) 1000.

In view of our conclusions above stated, we find it unnecessary to discuss the other grounds of rejection.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BUTTOLPH

No. 3,116. Decided December 24, 1934

1. PATENTABILITY—DISCHARGE TUBE FOR POSITIVE COLUMN LIGHT—RIGHT TO MAKE THE CLAIMS.

Claims for a discharge tube for positive column light *Held* unpatentable to the applicant since the application does not describe a positive column light and the disclosure is not such that "positive column light" is inherent therein.

2. PATENTS—APPEAL—ASSIGNMENTS OF ERROR.

An assignment that the Board of Appeals erred in not allowing certain claims and erred in rejecting certain claims as not sufficiently distinguishing over the references *Held* insufficient to require consideration of the correctness of the action of the Board of Appeals.

APPEAL from the Patent Office. Affirmed.

Mr. Frederick Transem, Mr. Thos. H. Brown, Mr. Lee B. Kemon and *Mr. Raphael Tourover* for Buttolph.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, which affirmed the action of the Examiner in his rejection of claims 4, 5, 6, 10, 12, 13, 15, 21, 22, 23, 24, 25, 28, 29, 30, and 31 of appellant's application for patent for an alleged invention relating to vapor arc lamps. Claims 11, 26, and 27, rejected by the Examiner, were allowed by the Board. Other claims were allowed by the Examiner.

Claims 22, 23, and 24 were copied into appellant's application from a patent to Hertz, No. 1,726,107 of August 27, 1929, for the purpose of interference, which claims read as follows:

22. A discharge tube for positive column light, the gaseous filling of which comprises argon and mercury vapor.
23. A discharge tube for positive column light, the gaseous filling of which consists of argon, krypton, xenon and mercury vapor.
24. A discharge tube for positive column light, the gaseous filling of which consists of argon having a pressure above 4 millimeters of mercury pressure and of mercury vapor.

These claims were rejected by both tribunals below as unpatentable to the applicant for want of disclosure in applicant's application as filed. Since the chief contention in this appeal involves the correctness of the Board's ruling as to these three claims, we will consider them at this point without any reference to any of the other claims in the application which are hereinafter discussed.

It will be noticed that each of the three claims calls for a discharge tube for *positive column light*. The first two claims differ slightly in the gaseous filling in the tube. Claim 24 calls for "argon having a pressure above 4 millimeters of mercury pressure and of mercury vapor."

The Examiner and the Board both held that appellant did not disclose a positive column light and that the application as originally filed made no mention of pressure.

Appellant contends here that the phrase "positive column light" is introductory and that the positive column light characteristic is inherent in the kind of tube he disclosed in his application, and that he was not required to disclose matters which were within the knowledge of those skilled in the art in order that he be entitled to make a claim, for interference purposes, containing such an introductory phrase. Appellant submitted several affidavits by different scientific men skilled in the particular art involved, in an effort to show that a positive column light was inherent in appellant's structure.

The Examiner discussed the "positive column light" phase of the case at great length, but the substance of his holding is to the effect that claims 22, 23, and 24 were new matter over applicant's specification, since he did not disclose in his specification that the gas pressure, the current, the length of the discharge tube and the shape of the discharge tube are selected so as to produce positive column light. The Examiner conceded that applicant's device may have a luminous column and not have a positive column, since the light may be due to a negative glow. The Examiner said:

> • • • It does not necessarily follow from what applicant has disclosed that applicant's device is a positive column device. As pointed out in the decision of *Steenstrup* v. *Morton* 382 O. G. 571 "when an applicant attempts to copy claims from an existing patent, it is incumbent upon him to show clearly in his specification and structure, the means for accomplishing the object called for in the claims". It is not believed that the claims should be broadened in scope in view of the broadening of the definition of the term positive column by subsequent developments in the art. It has not been clearly shown by reference to a publication or a patent which has a published date prior to the filing date of the Hertz patent, from which claims 22 to 24 were copied, that has an arc discharge having a positive column, except by the patent to Hewitt, 1,156,227, which is not very clear or authoritative. At the time the patent to Hertz was pending as an application, the expression "positive column lamp" was used to mean a "glow discharge lamp having a positive column".
>
> If the claims are to be given the broad meaning which applicant has assigned to them, they are considered to be unpatentable over the disclosure of the patent to Hewitt 814,095 or the Austrian patent 40,817.

What appellant did disclose is, we think, concisely set out by the Examiner in his decision:

> The applicant discloses an electric arc lamp and a circuit for supplying electrical energy to the lamp. The lamp comprises a tube of vitreous material having filaments sealed into the ends thereof. A material giving off electrons, as calcium, may either be mounted on one of the filament supports or on a short pedestal near the filament. A globule of mercury or similar vaporizable material, as cadmium or lithium iodid, is placed in the envelope near one of the electrodes and is vaporized by the heat of the electrode thereby furnishing a vapor atmosphere for the lamp. Other gases such as hydrogen, helium, neon, argon, krypton, xenon, oxygen, or vaporizable materials as cadmium, zinc, sodium, potassium, lithium, caesium, and iodine or a mixture of any two or more of them, may be used in the envelope to furnish the atmosphere for the lamp. The filamentary electrodes are made of tungsten, carbon, tantalum, osmium alone, or with conductors of the second class. The circuit for the lamp comprises a source of alternating current connected to the primary of a transformer through [a] switch and to the electrodes by means of leads. The transformer secondaries are connected to the filaments so that when current is induced in each secondary, current will flow through the filaments. A solenoid is connected in the main supply circuit and in operable relation to [the] switch. In the lamp starting position the switch is in the closed position to allow the transformer to be energized. The transformer being energized, current flows from the secondaries to the filament electrodes, respectively, thereby instituting electron flow from the filaments through the discharge space and initiating a path for the flow of the main supply current through the lamp. Upon the flow of the main current through the lamp, the solenoid is actuated and opens [the] switch and holds it open, thereby deenergizing the secondary of the transformer. The filaments consequently are no longer heated by the passage of current through them, but are maintained at an electron emitting temperature by the heat generated in them due to the discharge in the lamp. [Reference to figures of drawings deleted.]

BLAND, *J.*:

In defining a positive column light, the Examiner said:

> • • • The positive column is defined as the space between the Faraday dark space and the anode of the discharge device in those discharge devices wherein the various spaces are distinguishable. • • • Positive column lamps are commonly considered to be glow discharge lamps, and applicant has not shown that all arc lamps which have a luminous column have a positive column.

The Board of Appeals, in affirming the Examiner in rejecting said claims 22, 23, and 24, points out that the Hertz patent refers specifically to a discharge tube for positive column light, and in concluding that there was a lack of disclosure of this feature in applicant's application, the Board said:

> • • • The original specification is wholly silent on the matter. There is nothing said about gas pressures in the specification or current densities used for the discharge. The tube shown is long and this favors the supposition that positive column light may be inherent. After examining the authorities cited, however, we are not satisfied that positive column light is inherent in appellant's disclosure. During the prosecution of the case, and in certain affidavits filed both during the prosecution and with the appeal, an attempt has been made to show that appellant's improvement relates to lamps which in general have the positive column characteristic. It is of course immaterial, if the disclosure as originally presented does not inherently involve positive column light, that this is the type of light appellant may have intended to produce. Evidence wholly extraneous to the application cannot be relied upon to show this fact. Such, in effect, is the nature of the evidence presented by the affidavits.

We agree with the Board and the Examiner that the term " for positive column light" is a limitation in said claims not disclosed in appellant's application as filed. In the case of *Braren* v. *Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, this court passed upon the question as to whether or not the term "In an engraving machine and the like" was only introductory or was to be considered a limitation in the claims. After discussing the authorities, we said:

> These cases, we are of opinion, are in point here and are sufficient authority, in view of the facts disclosed by this record, to justify the conclusion that the words, "in an engraving machine and the like," as used in the counts in issue here, are introductory only, and should not be considered as limitations of the subject matter of the issue. It is true, as stated by the Examiner of Interferences, that in some cases courts have held that similar introductory words should be considered as limitations. *However, we think it may be safely said that in all such cases an examination of the facts disclosed by the record will show that the words thus considered as limitations, were an essential element in the novelty of the device and of the invention in issue there.* No such contention is properly made here, as it is obvious that if there be invention, it is not in the construction of an engraving or similar machine, but in the drive by which such machine is operated. [Italics not quoted.]

In the instant case, it seems not to be disputed that the novelty relied upon by appellant and by Hertz is in the use of said gases in a *positive column light*. As is pointed out above, the Examiner held that if the claims were construed as is contended for by appellant, that is to say, that if the positive column light is not to be regarded as a limitation on the claims, the claims would read on the prior art, and the patent to Hertz would be invalid. Hertz discloses and claims a construction which involves the use of a gas or gasses and pressure which makes a positive column light. If the teachings of Hertz are followed, a positive column light must result. We do not think this is true in the teachings of appellant. As was suggested in *Braren* v. *Horner*, supra, we think the phrase "for positive column light" is "an essential element in the novelty of the device."

The effect of our holding in *Braren* v. *Horner*, supra, was discussed by this court in *Hall* v. *Shimadzu*, 19 C. C. P. A. (Patents) 1288, 59 F.(2d) 225. Certain counts contained the phrase "a process of manufacturing a fine powder of lead suboxide intermingled with powder of metallic lead." Concerning the same, the court said:

> With reference to the counts here in issue, we think that the phrase here under consideration is more than merely an introductory phrase and is absolutely essential to point out the invention that is here involved.

[1] Whether the phrase "for positive column light" may be relied upon to lend patentability to the claims of the Hertz patent is not a matter for our consideration here. It is a limitation in the claim, is obviously relied upon for novelty, and we think that the Patent Office tribunals were correct in holding that appellant could make the claims involved only by showing that he disclosed this limitation in his application, and were correct in rejecting such claims when presented in appellant's application.

[2] Appellant in his brief here has not discussed the particular features of claims 4, 5, 6, 10, 12, 13, 15, 21, 25, 28, 29, 30, and 31, which were held to present no inventive novelty over the prior art cited. The references referred to in appellant's brief are discussed with a view of showing their bearing on the action of the Board in rejecting said claims 22, 23, and 24. Appellant, however, has assigned the following errors Nos. 3 and 4:

3. In rejecting certain other of the claims as not sufficiently distinguishing over certain cited references.
4. In not allowing all the claims in substance as presented.

Under the circumstances of this case, we think the above assignments of error do not require our consideration of the correctness of the action of the Board of Appeals in affirming the Examiner in his rejection of said claims. We think that our ruling in this particular is justified in view of the fact that appellant has not briefed nor discussed the references nor pointed out the particulars in which he regards the references as not being anticipatory of the claims.

No error on the part of the Board in its decision appealed from having been pointed out, its decision should be and is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

ALTORFER AND DEHLE *v.* HAAG

Nos. 3,317 and 3,318. Decided December 24, 1934

INTERFERENCE—PRIORITY—REDUCTION TO PRACTICE—CONCEALMENT AND SUPPRESSION.

Record reviewed and *Held* to establish that H., who was the first to conceive the invention, was also the first to reduce it to practice, had not concealed or suppressed the invention and was entitled to the award of priority.

APPEAL from the Patent Office. Reversed.

Mr. Joseph H. Milans and *Messrs. La Porte & La Porte* for Altorfer.

Mr. Norman B. Frost and *Mr. M. Theodore Simmons* for Dehle.

Mr. George L. Chindahl and *Mr. C. Paul Parker* for Haag.

BLAND, *J.*:

This is a three-party interference proceeding in which Altorfer, as one of the defeated parties in the United States Patent Office, and Dehle as the other, have appealed from the decision of the Board of Appeals which awarded priority in the seven counts of the interference involved to appellee Haag.

The counts relate to an improvement in a washing machine of the type which has in the central portion of the tub an upstanding tubular column, which comes through the bottom of the tub and in watertight engagement therewith. Through the tubular column is a vertical drive shaft extending to the top of the column. At the top of the column a water agitator, technically styled a "dolly", of the inverted or submerged type, is fastened. The dolly extends to the bottom of the tub and is so positioned as to have the lower part of the dolly beneath the water and the articles to be washed.

It was found that the articles in the tub which were being washed would get between the lower

part of the dolly and the tub. This was overcome by making the dolly smaller than the tub and surrounding the lower edge of the dolly with a ring, the ring thus placed permitting the dolly to extend down into the tub so as to keep the clothes from coming into contact with the bottom part of the dolly. With the ring we are not concerned here, except as facts relating to it, shown in the record, may throw light upon inquiries which are pertinent to the issues here involved. The subject matter of the ring is involved in companion interference No. 56,454, *Altorfer* v. *Haag*, 22 C. C. P. A. (Patents) ——, ——F.(2d)——(patent appeal No. 3,349), decided concurrently herewith.

The Examiner of Interferences and the Board of Appeals gave Altorfer a date of not later than the spring of 1921 as the date of conception. The Examiner of Interferences held that the work of Altorfer in the spring of 1921 also amounted to a reduction to practice of the issues involved.

The Board held that Haag did not conceive until the fall of 1923, and Dehle in the fall of 1924. The Examiner of Interferences held that since Altorfer conceived and reduced the invention to practice before either of the other parties had conceived the same, he was the first inventor and was entitled to an award of priority in the invention in all the counts involved.

Altorfer filed his application for a patent on the washing machine which embodied the invention of the counts at bar on May 21, 1925. On November 21, 1927, Altorfer copied claims 14, 15, 16, 17, and 18 of a patent to Haag, Reissue No. 16,746. On February 27, 1928, the Examiner declared an interference with claim 17 (count 1 at bar) as the subject. Claims 14, 15, 16, and 18 are counts 1, 2, 3, and 4 of the companion interference. Counts 2 to 7, inclusive, of the present interference (being claims 10, 11, 12, 14, 15, and 18 of the Haag reissue patent) were added by the Examiner for the purposes of interference on February 21, 1930, "pursuant to the decision of the Law Examiner dated July 24, 1929", which latter decision does not appear in the record. Haag filed July 25, 1924, and Dehle filed September 6, 1924. Haag's patent was reissued on September 27, 1927, application for which reissue was filed on February 19, 1927. Dehle's reissue application was filed May 6, 1926. As indicated above, there are seven counts in the instant interference, of which count 1 is illustrative and follows:

1. In a washing machine, a tub, having an opening centrally disposed in the bottom thereof, a vertical drive shaft projecting through said opening to a point above the normal water level in the tub and adjacent to the top thereof, means for sealing said opening, and means for agitating the contents of the tub, said agitating means comprising a disk-like member arranged adjacent to the bottom of the tub and having the periphery thereof spaced a substantial distance from the wall of the tub, a central sleeve projecting upwardly from said disk to a point adjacent the upper end of the drive shaft, means for positively connecting the upper end of said sleeve with the drive shaft whereby the agitating means is driven from said shaft.

Throughout the proceeding it was urged that in view of Altorfer's long delay in getting into the Patent Office (over four years from the date of conception) and in view of his conduct during that period and subsequent to his filing date, he should be estopped from claiming the counts; that if he had completed his invention as claimed he suppressed and concealed it and only came forward with it after being spurred into activity by knowledge of the activities of Haag, relying on the case of *Mason* v. *Hepburn*, 13 App. D. C. 86. It was further contended that if the rule in *Mason* v. *Hepburn*, supra, did not apply, the facts indicated that instead of what Altorfer did in 1921 amounting to a reduction to practice, it should be regarded as showing only an abandoned experiment.

The Examiner of Interferences held that there was a complete reduction to practice in 1921 by Altorfer, and that there was no such concealment, suppression or abandonment as to warrant application of the doctrine of *Mason* v. *Hepburn*, supra.

The Board of Appeals regarded certain tests made in 1921 by Altorfer as unsatisfactory and said—

> We believe considerable uncertainty arises here as to whether this constitutes a reduction to practice * * *.

The Board, in awarding priority to Haag, seemed to be influenced largely by the fact that the wooden dolly, Altorfer's Exhibit 8, made and used by Altorfer in 1921, was—

> maintained in secrecy, locked in a vault or store room

and stated that if Altorfer's 1921 activities amounted to a reduction to practice, the case fell within the said *Mason* v. *Hepburn* doctrine. The Board stated:

> We, however, prefer the first view as to this situation.

The first view expressed was that Altorfer's work in 1921 did not amount to a reduction to practice, and that Altorfer was not diligent until he finally reduced the invention to practice subsequent to Haag's filing date.

After very careful consideration of the record, we are convinced that Altorfer conceived and reduced to practice the invention expressed by the counts involved as early as the spring of 1921, which was before either of the other parties entered the field. We think the facts of record do not warrant the conclusion either that Altorfer was guilty of such conduct as made the doctrine of *Mason* v. *Hepburn*, supra, applicable or that the facts as a whole justify the conclusion that what he did in 1921 amounted to only an abandoned experiment. The record is a voluminous one and much of it is devoted to happenings in the year 1921 or subsequent happenings which throw light upon Altorfer's 1921 activity. The facts are not involved or uncertain, but, owing to the importance of the issue, we think a rather full statement of such facts as relate to Altorfer's reduction to practice and subsequent conduct, are here required. Our conclusions obviate the necessity of a discussion of the activities of either Haag or Dehle.

Altorfer's company, Altorfer Brothers Company, was a manufacturer of washing machines in East Peoria, Illinois. Haag's company, Haag Brothers Company, a competing concern, was also located at

the same place. Altorfer Brothers Company manufactured and sold more than one kind of washing machine, it being shown that it was their policy to furnish the kind of machine the trade required; that among such machines sold was the "Alco" washer, in which was a "floating" dolly which rested on top of the clothes and which was driven from the top of the shaft that projected from the bottom of the tub, the driving mechanism being beneath the tub. The improvement involved in this interference, as before stated, relates to the substitution of a submerged dolly for the floating dolly.

It is of record that in 1920 Altorfer Brothers Company felt required to make some improvement over the "Alco" machine with a view of meeting competition, and that the idea involved in the counts at bar was then under consideration, and the first so-called submerged dolly was built. In view of later activities, it is not necessary to consider the 1920 dolly. It is not disputed, and we thing the record clearly shows, that in the spring of 1921, Altorfer's Exhibit 8, which is before us, a wooden dolly of the submerged type, with a wooden ring surrounding the bottom of the same, was constructed and tested in the Altorfer Brothers Company plant in an "Alco" machine. It is conceded that Exhibit 8, together with Altorfer's Exhibit 1, an "Alco" machine, meet fully the requirements of the counts involved. Haag does not question that Altorfer's Exhibit 8 was constructed and experimented with in 1921, but Haag does contend that it was not sufficiently tested as to amount to a reduction to practice.

In the spring of 1921, Altorfer ordered one Schellenberg to make a wooden dolly that would comprise a round disk with a conical center. One Vance made the dolly and the ring under Schellenberg's direction. Altorfer at that time was vice-president of Altorfer Brothers Company, while Schellenberg was employed by that company as an experimental and developing engineer. At the time of giving testimony, however, he was an engineer with the Federal Electric Company of Chicago. Vance worked for Altorfer Brothers Company as a pattern-maker in 1921, and at the time of giving testimony was superintendent of school buildings in the city of Peoria. The making of the dolly and the ring is clearly shown by said three witnesses. The dolly so made was of wood, conical in shape, with four equally spaced paddles. The paddles or wings did not extend upward to the top of the tubular column centrally located. The feature of having the paddles or wings extend upward on the post was a later development with which we are not here concerned. Altorfer and Schellenberg testified that the dolly was tried in an "Alco" washing machine. "Alco" machines were manufactured before, during and after 1921 by the Altorfer Brothers Company, and were being manufactured and sold by them at the time of taking of testimony in 1930. The original dolly made in 1921 is in evidence. The original wooden ring was broken in use and others were made in 1921 and 1922. The original "Alco" machine in which the dolly was used, according to the record, was damaged and lost, but as a prototype Altorfer produced, as Exhibit 1, another "Alco" machine in which the dolly and ring are placed in operable position. With this machine are two adjuncts, both of the floating dolly type, one known as the "rubboard" dolly and the other known as the "peg" dolly. An additional sleeve goes with the machine for the optional use of these two dollies.

Altorfer testified that in 1921 he put the dolly in the said "Alco" machine, and operated the machine and "watched the water action", and "put clothes in and watched the clothes action"; that this was done "a number of times over a period of several months"; that he watched the results when a few pieces of cloth were used and when a full load of six pounds was used; that he noticed that the water had more agitation and that the machine would wash faster than the "Alco" machine, and that it washed the clothes clean; and that it showed that the machine would work to the users' entire satisfaction, if put on the market.

Schellenberg corroborated the testimony of Altorfer, and went into more detail, showing that the machine was tested with water, soap and clothes, that the machine gave a "wonderful" water demonstration, and that the results were "exceptionally good" in the cleansing of materials; that they put rags and overalls in the tub; that the guard ring successfully kept the clothes from getting under the edge of the dolly, and that thereafter the operations were carried on several times in making comparison tests with the cylinder type machine and the oscillator type machine, which machines were both being marketed by Altorfer Brothers Company in 1921. Schellenberg said that he tested the machine by the use of a handkerchief or tie and on up to "four to six pounds, sometimes over" of materials which were weighed by him; that several guard rings had to be made because in leaving the guard rings in the water over night they would swell and the rings would get "out of round".

The evidence shows that between the years 1921 and 1923 the machine was tested frequently in comparative tests, that is, to compare its action and results with those of other machines such as the vacuum cup machine and the "Snowdrift" machine. The submerged dolly was frequently demonstrated in 1922, 1923, and 1924. These tests were made with a view of ascertaining the best manner of manufacturing the dollies for the trade, that is to say, whether the dollies should be of wood, metal, part wood or part metal. It was also desirable to ascertain what number of blades or paddles would give the best results. Tests and demonstrations were also made in order to ascertain if fins or small blades might not be added to the upper portion of the dolly as were added to a "Double-A" machine, which was a later development of machine but which is not involved in the issues of this interference. Since Altorfer was the manufacturer and seller of several different kinds of machine, it seems

obvious from the facts shown in the record that trade considerations, competition, cost of manufacture and many other related matters were under consideration. During these tests it was not the purpose of Altorfer to supplant the "Alco" machine on the market. In fact the new machine never did supplant the "Alco" machine, which was still being sold by Altorfer Brothers Company at the time of taking the testimony. The tests referred to included the use of square tubs and copper tubs with dollies of the submerged type, the square tub being made and tested in the fall of 1923.

The witness MacDonald, who was an experimental mechanic and engineer in the Altorfer Brothers Company plant in 1921, testified to the existence of the 1921 dolly when he entered the employ of Altorfer Brothers Company in 1922, and that he repaired the wooden dolly sometime in the summer of 1923 by replacing the bearing plate on the bottom of the dolly, because the former plate was "cutting into the center post" on which it was bearing. This fact, we think, shows extensive use of the dolly. MacDonald testified as to using the dolly in making efficiency tests for washing action between the spring of 1923 and the fall of that year and stated that said tests were made in conjunction with the wooden guard ring. Some of the tests made with the 1921 dolly were made by running the machine "day and night until the clothes sometimes became a pulp", but the record shows that there was no damage to the clothes during a normal washing period and no damage to the dolly. In the fall of 1923 and the spring of 1924, according to MacDonald, work was done on certain sheet metal dollies with metal and wooden rings; that the dollies were operated, and "very good" washing results were obtained.

Altorfer testified that on the completion of the 1921 wooden dolly he operated the machine with clothes; he later explained that their testings customarily were made with dirty overalls, and that the overalls were cut in half, testing first one half and then the other for comparison; that soiled overalls of men working in the plant were used.

It is shown by the record that at such times when the dolly was not in use in experimentation it was kept in the vaults of the company; that the experimentations were made openly in the plant of the company. In August, 1924, prior to any knowledge Altorfer could have had of the Haag machine, as is hereinafter referred to, Altorfer showed a machine involving the invention in issue to William B. Henri, member of an advertising firm, with the idea of running a test advertising campaign. Henri selected the "Snowdrift" machine to make the test with "because it looked to us to be the most spectacular machine to advertise". Henri was somewhat indefinite as to the particular kind of machine he saw, but indicates a belief that it was a machine involving the issue here involved.

Schellenberg states that on February 13, 1925, he completed the "Double-A" machine which was substantially like a machine that went into production in May, 1925. In this machine the agitator had four wings.

It is stated in the record that the time required to get a machine into commercial production was about five or six months. The dolly used in the machine which was finally produced by Altorfer had supplemental vanes along the central post, which gave additional clothes action, which subject matter is not involved in this interference. These vanes were added in the winter of 1924 or spring of 1925. There were other witnesses who testified to certain activities occurring during the years 1924 and 1925. This testimony may have some bearing upon the question of continued activity on the part of Altorfer, but is not of sufficient importance to necessitate a recital of it here.

Haag contends here that there was no sufficient test made by Altorfer prior to Haag's entering the field which would demonstrate the completion of the invention, and argues that it was necessary in the testing of a washing machine to test it on a wash such as would be made in the household; that it was not sufficient to test it upon a small amount of clothes or one particular kind of clothes; that a shop test is not sufficient; and that the conduct of Altorfer after making the wooden dolly in 1921 indicates that he was not satisfied with it and had not become convinced that it worked satisfactorily. Haag argues also that the fact that Altorfer did not file his application until after he became aware of the fact that Haag had placed a machine embodying his invention on the market, and did not claim the invention for the purpose of interference until November 21, 1927, after Haag had repeatedly notified Altorfer to refrain from infringing his patent, and sought a lease for manufacturing under the Haag patent, shows that Altorfer did not regard himself as the first inventor.

It affirmatively appears in the record that Altorfer, subsequent to filing his application on May 21, 1925, indicated a willingness to operate under a free license from Haag. It is obvious that the record does not disclose all the circumstances relating to this subject matter.

The mere fact that one party to an interference indicates a willingness to operate under a free license from the other does not, of itself, show that the party seeking such license does not regard himself as the first inventor, or that he, in fact, had not completely reduced his invention to practice. In cases where the question of reduction to practice is a close one, this kind of circumstance may be, and often is, taken into consideration in arriving at a conclusion as to whether or not there was an actual reduction to practice. But, where the record is clear, as in the case at bar, that there was an actual reduction to practice, such a circumstance does not require a holding that there was no reduction to practice. *Osgood* v. *Ridderstrom*, 21 C. C. P. A. (Patents) 1176, 71 F.(2d) 191.

We are of the opinion that the record shows that Altorfer had fully reduced his invention to practice by the spring of 1921, or in any event had done so before Haag had entered the field, and that the record does not disclose facts which indicate that Altorfer abandoned his invention, or that he ever suppressed or concealed the same in such a way as to make applicable the doctrine in the case of *Mason* v. *Hepburn*, supra. Altorer's long delay in filing his application after the reduction to practice and his acts subsequent to his reduction to practice do not indicate any intention to abandon the invention, but, on the contrary, his subsequent acts indicate an intention to utilize and commercialize the invention at a date dependent upon the result of tests and upon other considerations which we think were wholly reasonable and proper under the circumstances for him to take into consideration.

As to the contention of Haag that he was spurred into activity, Altorfer replies in substance that if he was spurred, he was not spurred to any great extent, since he did not file his application until May, 1925, after seeing the Haag machine in February, 1925, and after Schellenberg had seen the Haag machine in the fall of 1924, and he did not claim, for interference purposes, the issue of the counts until November 21, 1927.

It is argued by Haag that it is not essential in order that the doctrine of *Mason* v. *Hepburn*, supra, apply, that there should be a spurring into activity. It is not necessary to pass upon the question as to whether the facts of record disclose such a spurring into activity or not, in view of the fact that we conclude that there was no suppression or concealment. Suppression and concealment for a long period of time, seven years, together with a spurring into activity, were the basis of the holding in *Mason* v. *Hepburn*, supra. In that case there was a deliberate withholding of the invention from the public by Mason for motives not in harmony with the purposes of the patent law for a period of seven years, and he only claimed it then when he saw the patent going to another. A very different case is presented on the present record.

We have frequently discussed the doctrine of *Mason* v. *Hepburn*, supra, and have definitely indicated that we will not extend it. We said in *Miller* v. *Hayman*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, that the doctrine of estoppel (or the doctrine akin to equitable estoppel, *Consolidated Fruit-Jar Company* v. *Wright*, 94 U. S. 92) was not favored, since estoppels preclude a party from showing the truth. The case of *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, involved facts in many respects similar to those at bar. We there fully set out our views as to the doctrine of the *Mason* v. *Hepburn* case, supra, as far as the facts of *Severson* v. *Olson*, supra, would permit. Much of what we said there is applicable here. We quote:

> After very careful consideration of the record facts we conclude that such activities of Severson and his company as are shown to have occurred during this controverted period of nearly two years negative suppression and concealment rather than support them. We think the Board was in error in applying the doctrine of *Mason* v. *Hepburn*, supra, so as to deny Severson priority of the involved invention. He was clearly the first inventor, in fact, and we think should have been so regarded in law.
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> • • • • • • • •
>
> Whether the "spurred into activity" consideration is or is not an essential factor of every case, we are not inclined to apply the doctrine of equitable estoppel unless this fact is present or unless the circumstances as a whole are equally persuasive of the inequitable position of the first inventor. In other words, we are not disposed to extend the doctrine or make more liberal application of it in interference cases than was made in *Mason* v. *Hepburn*, supra. On the contrary we recognize the danger that might flow from its loose application, and that, unless great caution is observed, it might be gradually extended until its application resulted in far greater inequities than it was designed to cure. Only where such gross inequities clearly threaten to defeat the spirit and the purposes of the patent laws must it be given controlling effect.

In the case at bar, Altorfer never indicates a disposition either to regard his invention as a failure or to withhold it from the public. Upon the record before us we cannot regard his activities in 1921 as an unsuccessful experiment which was abandoned, and which, therefore, did not amount to a reduction to practice. We think he fully reduced the invention to practice in 1921, and, being the first inventor, he can only be deprived of his award of priority by a clear showing that his subsequent conduct places him clearly within the doctrine announced in *Mason* v. *Hepburn*, supra. No one can read the record before us without being convinced that Altorfer is not in the position of a successful inventor who, after making an invention, secretes it with a view of withholding it from the public for some motive not in harmony with the purpose of the enactment of the patent laws. The fact that the public did not get it until after Haag had claimed it, is of itself not conclusive that Altorfer intended to suppress the same in the sense that suppression was used in *Mason* v. *Hepburn*, supra. Conceding that Altorfer's activities and delay, when considered with the explanations offered, do not show such promptness and diligence as the framers of the patent laws might hope for, and conceding that such delay has worked a hardship upon Haag and Dehle, or at least one of them, nevertheless, for reasons which we have hereinbefore stated, we do not think there are such inequities shown as to bar the first inventor in fact from being regarded as such for patent purposes.

The following are some of the leading cases on the applicability of the doctrine akin to the doctrine of equitable estoppel laid down in *Mason* v. *Hepburn*, supra: *Severson* v. *Olson*, supra; *Miller* v. *Hayman*, supra; *Nystrom et al.* v. *Mancuso*, 20 C. C. P. A. (Patents) 934, 64 F.(2d) 698; *Jardine et al.* v. *Long*, 19 C. C. P. A. (Patents) 1243, 58 F.(2d) 836; *Rhinevault* v. *Pflester*, 20 C. C. P. A. (Patents) 1112, 65 F.(2d) 161.

In view of the above conclusions, it is unnecessary to consider Haag's and Dehle's records or other activities in connection with the invention at issue. Neither tribunal gave either Haag or Dehle a conception date earlier than September, 1923. It is not necessary for us to consider the question of diligence on the part of Altorfer. His activities subsequent to 1921 may be relied upon, however, as

negativing abandonment, suppression or concealment.

It is our conclusion that Altorfer, being the first to conceive and the first to reduce to practice the invention expressed in the counts at bar, and not having suppressed or concealed his invention so as to make applicable the doctrine akin to equitable estoppel, is entitled to the award of priority in this proceeding. The decision of the Board of Appeals is reversed and priority of invention of all the counts at issue is awarded to appellant Altorfer.

Reversed.

LENROOT, J., concurs in the conclusion.

U. S. Court of Appeals for the District of Columbia

FINLEY ET AL. *v.* COE

No. 6,292. Decided April 8, 1935

1. DESIGNS—PATENTABILITY—INVENTION NECESSARY.

The authority for the issuance of a design patent is found in sec. 4929 Revised Statutes, which provides that any person who has "invented" any new, original, and ornamental design for an article of manufacture, may, under certain conditions, obtain a patent therefor. Design patents therefore require as high a degree of the inventive or original faculty as mechanical patents.

2. SAME—SAME—SHINGLE.

A design for a shingle *Held* unpatentable as lacking invention over the prior art.

Mr. Joseph W. Milburn, for appellants.

Mr. T. A. Hostetler, Solicitor of the Patent Office, for appellee.

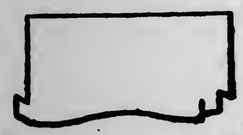
Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, HITZ, and GRONER, Associate Justices

ROBB, *A. J.*:

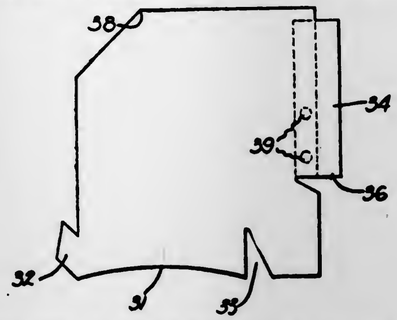
Appeal from a decree in the Supreme Court of the District dismissing appellants' bill, filed under the provisions of sec. 4915, Revised Statutes, as amended (35 U. S. C. A. sec. 63), seeking to authorize the Commissioner of Patents to issue a shingle design patent to appellant Paraffine Companies, the assignee of the alleged inventor, appellant Finley.

The shingle is rectangular in shape, the lower edge forming a reverse curve, with the concave portion of the curve in the center and the convex portions at the ends. The side ends of the shingle are formed by straight parallel lines. A tab is formed at one lower corner of the shingle, and a notch is formed at the opposite lower corner. When these shingles are laid, with the tab of one shingle interlocking with the notch of an adjacent shingle, the adjacent convex curve portions will meet and produce a continuous convex curve.

We here reproduce appellants' drawing of the shingle.



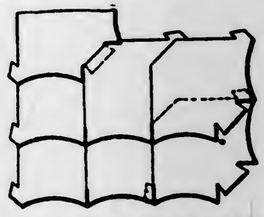
The Examiner rejected the claim as substantially met by appellant Finley's mechanical patent No. 1,604,745. We here reproduce Fig. 4 of that patent.



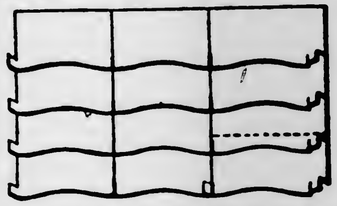
The Board of Appeals sustained the primary Examiner; thereupon this suit was instituted.

The functional parts of the reference shingle contribute nothing to the design. *Martin Copeland Co.* v. *Pilot Electric Co.*, 32 F.(2d) 235; *Ashley* v. *Weeks-Numan Co.*, 220 F. 809, 136 C. C. A. 465; *In re Mygatt*, 39 App. D. C. 432, 188 O. G. 1055.

We here reproduce from appellants' brief in the Patent Office a drawing showing the appearance of the shingles of the reference when laid:



Also a drawing illustrating the shingle of the issue when laid:



The authority for the issuance of a design patent is found in sec. 4929, Revised Statutes, as amended (35 U. S. C. A. sec. 73), which provides that "any person who has invented any *new, original, and ornamental* design for an article of manufacture" not known or used by others in this country before his invention thereof, etc., may obtain a patent therefor. [Italics ours.] Design patents, therefore, require as high a degree of the inventive or original faculty as mechanical patents. *Knapp* v. *Will & Baumer Co.*, 273 F. 380; *Smith* v. *Whitman Saddle Company*, 148 U. S. 674, 679, 63 O. G. 912.

Appellants contend that to modify the lower edge of the shingle shown in the Finley mechanical patent by using a reverse curve instead of a simple curve involves invention. To meet this contention the Patent Office tribunals cited the patent to Sherriff, No. 1,701,640, which discloses a reverse curve on the lower edge of the same type of shingle. We agree with the Patent Office and the court below that the use in the shingle of the application of the reverse curve disclosed in the Sherriff patent instead of the single curve disclosed in the Finley mechanical patent was not the exercise of originality and, therefore, did not involve invention. In *In re Sherman*, 35 App. D. C. 100, 154 O. G. 839, involving an application for a design patent, we said:

"While in a close case utility may be given some consideration, the real question is whether there is such originality shown as to call for the exercise of the inventive faculty."

The decree is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921 R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, filed Mar. 4, 1905, D. C., S. D. Ind. (New Albany), Doc. E 101, *S. B. Smith* v. *J. S. Guthrie*. Dismissed Apr. 5, 1935. Same, filed Mar. 5, 1935, D. C., E. D. Pa., Doc. 8535, *S. B. Smith* v. *M. S. Musser et al.* Decree granting leave to withdraw bill Mar. 29, 1935, Doc. 8537, *S. B. Smith* v. *I. S. Wolgemuth*. Decree as above Apr. 1, 1935. Same, D. C., W. D. Wash. (Seattle), Doc. 1108, *S. B. Smith* v. *D. S. Siegrest*. Dismissed without prejudice Apr. 1, 1935. Same, filed Mar. 6, 1935, D. C., M. D. Pa., Doc. 1152, *S. B. Smith* v. *J. H. Hartlaub*. Dismissed without prejudice Apr. 2, 1935. Same, filed Mar. 16, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3842-S, *S. B. Smith* v. *H. Hempel*. Doc. E 3843-L, *S. B. Smith* v. *D. A. Lorimer et al.* Doc. E 3844-S, *S. B. Smith* v. *A. H. Alves*. Same, filed Mar. 18, 1935, D. C. Oreg. (Portland), Doc. E 9529, *S. B. Smith* v. *H. M. Smith*. Same, filed Mar. 21, 1935, D. C., E. D. Okla. (Muskogee), Doc. E 4592, *S. B. Smith* v. *A. Floyd, Jr., et al.* Same, filed Mar. 19, 1935, D. C., W. D. Wash. (Seattle), Doc. 1107, *S. B. Smith* v. *L. L. Brown et al.* Doc. 1108, *S. B. Smith* v. *D. S. Siegrest*. Doc. 1109, *S. B. Smith* v. *A. Oordt et al.* Doc. 1110, *S. B. Smith* v. *G. H. Tutmark*. Doc. 1111, *S. B. Smith* v. *H. E. Bonine*. Doc. 1112, *S. B. Smith* v. *O. Tharp et al.* Same, D. C. Calif. (Los Angeles), Doc. E 600-H, *S. B. Smith* v. *C. Laemmle, Sr.* Dismissed Mar. 29, 1935. Doc. E D-92, *S. B. Smith* v. *B. O. Thomas*. Decree as above. Same, D. C., S. D. Tex. (Corpus Christi), Doc. E 88, *S. B. Smith* v. *I. Galloway*. Dismissed upon application of complainant Mar. 30, 1935. Same, filed Mar. 22, 1935, D. C., N. D. Ill., E. Div., Doc. 14,380, *S. B. Smith* v. *R. Reimers*. Doc. 14381, *S. B. Smith* v. *J. C. Kline*. Same, filed Mar. 23, 1935, D. C. Dela., Doc. E 1100, *S. B. Smith* v. *W. Williams*. Doc. E 1107, *S. B. Smith* v. *H. E. Williams*. Same, filed Mar. 20, 1935, D. C. Nebr. (Lincoln), Doc. E 510, *S. B. Smith* v. *C. R. Hubbard*. Same, D. C., S. D. Calif. (Los Angeles), Doc. E D-96, *S. B. Smith* v. *A. E. Tuppe*. Same, D. C. Mass., Doc. E 4119, *S. B. Smith* v. *M. Axelrod*. Doc. E 4120, *S. B. Smith* v. *S. D. Gross*. Same, filed Mar. 27, 1934, D. C. Wyo. (Cheyenne), Doc. 2442, *S. B. Smith* v. *Casper Hatchery, Inc., et al.* Same, D. C., W. D. S. C. (Greenville), Doc. E. 458, *S. B. Smith* v. *Farmer's Hatchery et al.* Same, D. C., N. D. Iowa (Sioux City), Doc. E 413, *S. B. Smith* v. *J. Speelman*. Doc. E 414, *S. B. Smith* v. *J. A. Kaschmitter*. Same, filed Mar. 28, 1935, D. C., S. D. Ohio, W. Div., Doc. E 374, *S. B. Smith* v. *R. E. Zeller*. Same, D. C., W. D. S. C. (Greenville), Doc. E 460, *S. B. Smith* v. *Spartan Chick Hatchery, Inc., et al.* Same, filed Mar. 29, 1935, D. C. Kans. (Topeka), Doc. 1904-N, *S. B. Smith* v. *D. B. Jenkins*. Doc. 1905-N, *S. B. Smith* v. *G. A. Parrish*. Doc. 1906-N, *S. B. Smith* v. *C. A. Percival, Jr.* Same, filed Mar. 30, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E D-97, *S. B. Smith* v. *J. Dreith*. Doc. E 621-M, *S. B. Smith* v. *A. Cortelyon*. Doc. E 622-M, *S. B. Smith* v. *J. Hatanaka*. Doc. E 623-J, *S. B. Smith* v. *J. R. Van Valen*. Doc. E 624-J, *S. B. Smith* v. *F. B. Suttle*. Doc. E 619-H, *S. B. Smith* v. *C. Horrigan*. Doc. E 620-H, *S. B. Smith* v. *R. H. Dow*. Same, filed Apr. 1, 1935, D. C. Mo. (Kansas City), Doc. 2706, *S. B. Smith* v. *O. T. Cox*. Same, D. C., W. D. Wis. (Madison), Doc. E 2265, *S. B. Smith* v. *H. A. Loehr*. Same, D. C., E. D. Pa., Doc. 8589, *S. B. Smith* v. *I. E. Moyer*. Doc. 8591, *S. B. Smith* v. *E. J. Haldeman*. Same, D. C. Colo. (Denver), Doc. 10518, *S. B. Smith* v. *G. Smith* (Long Peak Poultry Co.). Same, filed Apr. 2, 1935, D. C. Nebr. (Omaha), Doc. E 1359, *S. B. Smith* v. *M. D. Berry* (*Laurel Hatchery*). Doc. E 1360, *S. B. Smith* v. *C. S. Zucker*. Same, D. C. Kans. (Topeka), Doc. 1897-N, *S. B. Smith* v. *G. G. Davis*. Doc. 1898-N, *S. B. Smith* v. *W. O. Campbell* (*Republic Hatchery*). Doc. 1899-N, *S. B. Smith* v. *P. Melcher*. Doc. 2000-N, *S. B. Smith* v. *J. Young*. Doc. 2002-N, *S. B. Smith* v. *D. Brown*. Same, filed April 3, 1935, D. C. Minn. (Winona), Doc. E 346, *S. B. Smith* v. *C. Paustian*. Same, E. D. Wis. (Milwaukee), Doc. 4588, *S. B. Smith* v. *H. Baehr*. Same, D. C. Colo. (Denver), Doc. 10522, *S. B. Smith* v. *M. M. Metzger*. Same, filed Apr. 4, 1935, D. C., M. D. Pa., Doc. 1166, *S. B. Smith* v. *M. Noll*. Doc. 1167, *S. B. Smith* v. *A. Miles*. Same, filed Apr. 5, 1935, D. C., N. D. Ohio, W. Div., Doc. E 1465, *S. B. Smith* v. *H. E. Bushong*. Doc. E 1466, *S. B. Smith* v. *C. Wagoner et al.* Same, D. C., E. D. Pa., Doc. 8605, *S. B. Smith* v. *S. F. Grill*. Same, filed Apr. 8, 1935, D. C. Okla. (Oklahoma City), Doc. E 1713, *S. B. Smith* v. *J. A. McClain*. Same, filed Mar. 15, 1935, D. C. Minn. (Minneapolis), Doc. E 2821, *S. B. Smith* v. *R. W. Portinga*. Doc. E 2822, *S. B. Smith* v. *E. H. Anderson*. Doc. E 2823, *S. B. Smith* v. *E. I. Chamberlain*. Doc. E 2824, *S. B. Smith* v. *F. Barton*. Same, filed Mar. 14, 1935, D. C. Colo. (Denver), Doc. 10492, *S. B. Smith* v. *A. W. Falk et al.* Doc. 10493, *S. B. Smith* v. *J. C. Shipper*. Doc. 10497, *S. B. Smith* v. *L. G. Abbett*. Doc. 19498, *S. B. Smith* v. *J. Dwyer*. Doc. 10490, *S. B. Smith* v. *W. H. Sanders*. Doc. 10501, *S. B. Smith* v. *K. U. Brunell et al.* Doc 10502, *S. B. Smith* v. *W. F. Weeks*. Doc. 10504, *S. B. Smith* v. *J. W. Taylor*. Doc. 10505, *S. B. Smith* v. *H. D. Randleman*. Doc 10507, *S. B. Smith* v. *P. C. Jamieson*. Same, filed Apr. 10, 1935, D. C., E. D. Mich. (Detroit), Doc. 6900, *S. B. Smith* v. *L. F. Biggins*.

1,287,549, S. A. Wilson, Surgical apparatus, D. C., N. D. Ill., E. Div., Doc. 13686, *Elliott Treatment Holding Corp. et al.* v. *Sharp & Smith, Inc.* Consent decree, dismissing bill upon the merits Nov. 5, 1934.

1,294,106, G. A. Humason, Drill bit, filed Mar. 26, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 614-H, *Hughes Tool Co. et al.* v. *Crum-Brainard Co., Ltd.*

1,304,116, T. J. Stephens, Auxiliary tire valve, D. C., W. D. N. Y., Doc. 1891, *W. R. Royer et al.* v. *Sterling Automotive Products Corp.* Decree for injunction Apr. 1, 1935.

1,326,153, W. J. Fleming, Buckle support, C. C. A., 2d Cir., Doc. —, *H. Goodman & Sons, Inc., et al.* v. *J. Rubin et al.* Decree affirmed (notice Apr. 1, 1935).

1,353,163, W. C. James, Screened bed having vertical pivots, D. C., N. D. Calif. (San Francisco), Doc. E 3715-S, *N. Sinclair* v. *The Rome Co., Inc., et al.* Dismissed without prejudice as to The Rome Co., Inc., Mar. 2, 1935.

1,354,968, H. E. Goodwin, Shears, D. C., N. D. Ill., E. Div., Doc. 13573, *The Alliance Mfg. Co.* v. *Hinsdale Mfg. Co.* Consent decree holding patent valid and infringed Nov. 12, 1934.

1,370,913, J. E. Rioux, Composition of matter for doughnut mix, D. C., N. D. Ill., E. Div., Doc. 9612, *J. E. Rioux et al.* v. *J. Kemper et al.* (*Rainbow Doughnut Co.*). Dismissed for want of equity Dec. 3, 1932. Decree affirmed Feb. 16, 1935.

1,399,976, G. J. Manson, Method of manufacturing fiber products, filed April 2, 1935, D. C. Dela., Doc. E 1109, *Sprout, Waldron & Co.* v. *Wood Conversion Co.*

1,409,237, H. B. Pullar, Bituminous product and process of making same, filed Apr. 5, 1935, D. C., W. D. Pa., Doc. E 3061, *American Steel Band Co.* v. *H. H. Robertson Co.*

1,416,645, C. F. Jones, Duplex camera, filed Mar. 27, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 618-J, *Tricolor, Inc.*, v. *Technicolor Motion Picture Corp. et al.*

1,420,578, W. Reichstein, Safety padlock, filed Mar. 30, 1935, D. C., S. D. N. Y., Doc. E 80/78, *W. Hellpern* v. *H. Greenberg et al.*

1,422,540, J. L. Christensen, Fiber board box, D. C., N. D. Ill., E. Div., Doc. 13250, *R. Wentz et al.* v. *Box Makers, Inc.* Dismissed without prejudice Aug. 16, 1934.

1,436,459, J. Reece, Seat cover, filed Apr. 1, 1935, D. C., E. D. N. Y., Doc. E 7554, *Ever-Klean Seat Pad Co.* v. *Topper Service Station, Inc.*

1,481,021, L. K. Marshall, Temperature controlled apparatus, filed Mar. 27, 1935, D. C., S. D. N. Y., Doc. E 80/75, *Spencer Thermostat Co. et al.* v. *R. H. Macy & Co., Inc.*

1,518,246, F. C. Brandenburg, Shovel, filed Mar. 20, 1935, D. C., N. D. W. Va. (Parkersburg), Doc. 980, *The Wood Shovel & Tool Co.* v. *Ames Baldwin Wyoming Co.*

1,526,007, H. S. Mills, Reel for vending machine, D. C., N. D. Ill., E. Div., Doc. 11267, *Mills Novelty Co.* v. *Pace Mfg. Co., Inc.* Dismissed without prejudice Oct. 23, 1934.

1,536,988, H. Thomassen, Process for freeing paper pulp from impurities, D. C., S. D. Ohio, W. Div., Doc. E 795, *Centrifugal Engineering & Patents Corp.* v. *The Black-Clawson Co.* Claims 1 and 2 held valid and infringed (notice Apr. 1, 1935).

1,566,066, H. M. Becher, Process for dyeing fur and product thereof, filed Mar. 26, 1935, D. C., E. D. N. Y., Doc. E 7544, *Technical Fur Patents, Inc.*, v. *H. Rein.* Same, D. C., S. D. N. Y., Doc. E 80/74, *Technical Fur Patents Inc.*, v. *Central Stripping & Blending Corp.*

1,601,455, C. F. Eubanks, Wheel, D. C. Mich. (Detroit), Doc. 5589, *Eubanks Corp.* v. *General Motors Corp. et al.* Dismissed (notice Mar. 28, 1935).

1,617,148, R. T. Chase, Can opener, D. C., N. D. Ill., E. Div., Doc. 14,230, *R. T. Chase et al.* v. *Vaughan Novelty Mfg. Co.* Dismissed without prejudice Feb. 23, 1935.

1,669,790, Sheridan & Jacobson, Stocking protector, filed Feb. 18, 1935, D. C., N. D. N. Y., Doc. 2879, *F. B. Sheridan et al.* v. *S. H. Kresge Co.*

1,707,395, S. J. Hayde, Method of burning argillaceous material and product resulting therefrom, filed Mar. 26, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3852–S, *American Aggregate Co. et al.* v. *California Toll Bridge Authority et al.* Doc. E 3853–L, *American Aggregate Co. et al.* v. *Gravelite, Inc., et al.*

1,709,600, H. M. Baker, Camera copy, and method of, and medium for making same, filed Mar. 15, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3841–L, *H. M. Baker et al.* v. *O'Connor Moffatt & Co.* Same, filed Mar. 20, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3848–S, *H. M. Baker et al.* v. *The Craftint Mfg. Co.* Doc. E 3849–L, *H. M. Baker et al.* v. *Weis Bros. Stores, Inc.*

1,721,023, P. L. Jensen, Magnet, D. C., N. D. Ill., E. Div., Doc. 13,245, *Jensen Radio Mfg. Co.* v. *P. H. Tartak.* Dismissed without prejudice Jan. 3, 1935.

1,729,070, H. S. Gerken, Apparatus for washing, separating, and grading materials, C. C. A., 2d Cir., Doc. —, *Buffalo Gravel Corp.* v. *Gravel Products Corp.* Decree reversed (notice Apr. 1, 1935).

1,734,624, H. C. Harrison, Piston diaphragm having tangential corrugations, filed Jan. 3, 1935, D. C., Minn., 4th Div., Doc. E 2805, *Western Electric Co., Inc.*, v. *Cinema Supplies, Inc.*

1,746,018, P. D. Spaeth, Jr., Covering for hair waving, D. C., N. D. Ill., E. Div., Doc. 13,468, *The Philas Co. et al.* v. *Consolidated Hair Goods Co.* Dismissed without prejudice Feb. 14, 1935.

1,760,096, E. E. Wilt, Wardrobe suit case, D. C., N. D. Ill., E. Div., Doc. 13,805, *Wilt Trunk Co.* v. *Ever-Wear Trunk Works, Inc.* Held valid and infringed Oct. 20, 1934.

1,772,881, E. B. Tolman, Jr., Conveyor, D. C., N. D. Ill., E. Div., Doc. 13755, *United Conveyor Corp.* v. *E. J. Young & Co., Inc., et al.* Consent decree holding patent valid and infringed Dec. 20, 1934.

1,774,252, H. T. Bussman, Electric fuse and method of making same, filed Mar. 28, 1935, D. C., W. D. Pa., Doc. E 3059, *McGraw Electric Co.* v. *Great Western Fuse Co.*

1,776,070, C. Hinde, Process of disposing of sulphuric acid materials, D. C., S. D. Calif. (Los Angeles), Doc. E 451–C, *C. Hinde* v. *Associated Oil Co. et al.* Dismissed Mar. 29, 1935.

1,777,889, E. S. Ostler, Time stamp, filed Nov. 9, 1934, D. C., N. D. Ill., E. Div., Doc. 14177, *Stromberg Electric Co.* v. *Simplex Time Recorder Co.* Dismissed without prejudice Dec. 27, 1934.

1,781,271, G. W. Cowdrey, Bathing suit, D. C., S. D. Calif. (Los Angeles), Doc. E T–94–C, *G. W. Cowdrey et al.* v. *Pacific Knitting Mills, Inc., et al.* Dismissed with prejudice Jan. 29, 1935.

1,794,358, W. Bauer, Pad making machine, filed Aug. 27, 1934, D. C., N. D. N. Y., Doc. 2855, *International Cellucotton Products Co.* v. *The Sterlick Co., Inc.*

1,802,700, V. A. Boker, Nozzle for lubricating system, filed Mar. 12, 1935, D. C., N. D. Ill., E. Div., Doc. 14362, *Min-A-Max Co. et al.* v. *The Norlipp Co.*

1,816,118, M. C. Knight, Ice and water boat, filed Dec. 1, 1934, D. C., N. D. N. Y., Doc. 2868, *M. C. Knight* v. *Z. Powers.*

1,822,710, H. Pennington, Rotary drilling rig, filed Mar. 23, 1935, D. C., S. D. Tex. (Houston), Doc. E 670, *H. Pennington* v. *The National Supply Co. of Texas.*

1,828,094, H. Andrewes, Electrical frequency-changing apparatus of the thermionic type, D. C., M. D. Pa., Doc. 1083, *Radio Patents Corp.* v. *Penn Electrical Engineering Co.* Dismissed without prejudice Apr. 6, 1935.

1,838,042, H. Schwartz, Bushing structure and sealing means therefor, D. C., N. D. Ill., E. Div., Doc. 11371, *Barrel Fitting & Seal Corp. of America* v. *American Flange & Mfg. Co.* Dismissed for want of equity Sept. 8, 1933. Decree affirmed Jan. 26, 1935.

1,838,189, E. D. Rattigan, Fibrous packing, D. C., E. D. Pa., Doc. 7773, *E. D. Rattigan* v. *Crandall Packing Co.* Consent decree granting injunction Mar. 27, 1935.

1,847,839, A. J. Kusel, Refrigerating apparatus assembly, D. C., E. D. Pa., Doc. 7841, *H. Roberts* v. *The General Electric Co.* Dismissed Oct. 8, 1934.

1,855,168, C. L. Farrand, Loudspeaker, D. C., N. D. Ill., E. Div., Doc. 12469, *Utah Radio Products Co. et al.* v. *Goldblatt Bros., Inc.* Dismissed without prejudice Nov. 23, 1934. Doc. 12536, *Utah Radio Products Co. et al.* v. *Triangle Electric Co.* Decree as above.

1,863,123, F. Pertot, Hat form, filed Apr. 3, 1935, D. C., S. D. N. Y., Doc. E 80/90, *F. Pertot* v. *Vogue Hat Block & Die Corp. et al.*

1,865,995, A. L. Wurster, Cravat holder, filed Apr. 4, 1935, D. C., E. D. N. Y., Doc. E 7566, Wreal Cravat Holder *Co., Inc.*, v. *Lordds, Inc.*

1,878,569, J. G. Zolleis, Handle for valves, filed Apr. 1, 1935, D. C., E. D. N. Y., Doc. E 7553, *J. G. Zolleis* v. *J. A. Brudermann.*

1,880,174, J. Dugan, Continuous aim gun-fire control system, filed Apr. 1, 1935, D. C., E. D. N. Y., Doc. E 7550, *J. Dugan* v. *Ford Instrument Co., Inc.*

1,881,324, H. E. Metcalf, Signal reproducer, D. C., N. D. Ill., E. Div., Doc. 13104, *The Magnavox Co.* v. *Quam-Nichols Co. et al.* Dismissed without prejudice Dec. 4, 1934.

1,881,351, H. T. Bussmann, Electric fuse and method of assembling same, filed Mar. 28, 1935, D. C., W. D. Pa., Doc. E 3059, *McGraw Electric Co.* v. *Great Western Fuse Co.*

1,883,694, W. E. Goble, Brush picking and macerating machine, filed Mar. 6, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E D–85, *M. B. Keithly* v. *W. G. Firstenberger et al.*

1,901,331, E. S. Pridham, Electro-dynamic loud speaker, D. C., N. D. Ill., E. Div., Doc. 13105, *The Magnavox Co.* v. *Ariab Mfg. Co. et al.* Dismissed Dec. 3, 1934. Doc. 13187, *The Magnavox Co.* v. *Ariab Mfg. Co. et al.* Dismissed without prejudice Dec. 4, 1934. Doc. 13199, *The Magnavox Co.* v. *Quam-Nichols Co. et al.* Dismissed Dec. 3, 1934. Doc. 13200, *The Magnavox Co.* v. *P. H. Tartak.* Dismissed without prejudice Dec. 5, 1934.

1,912,141, J. P. Hubbell, Method of fumigation, C. C. A., 3d Cir., Doc. 5078, *J. P. Hubbell et al.* v. *American Cyanamid Co.* Decree affirmed Mar. 25, 1935. Doc. 5538, *American Cyanamid Co.* v. *J. P. Hubbell.* Decree as above.

1,916,460, S. I. Bousman, Sedimentation device, D. C., S. D. N. Y., Doc. E 77/105, *The Dorr Co., Inc.*, v. *Hardinge Co., Inc.* Consent order of discontinuance (notice Mar. 29, 1935).

1,921,437, L. K. Stupell, Ornament, filed Apr. 1, 1935, D. C., S. D. N. Y., Doc. E 80/79, *L. K. Stupell et al.* v. *Monocraft Products Co., Inc.*

1,930,809, P. Kollsman, Aneroid and operating means therefor, D. C., E. D. N. Y., Doc. E 7232, *P. Kollsman* v. *Air Transport Equipment Co.* Decree pro confesso for plaintiff Apr. 3, 1935.

1,932,789, H. B. Kline, Desulfurizing rayon in the package form, filed Mar. 18, 1935, D. C. Del., Doc. E 1102, *Industrial Rayon Corp.* v. *Tubize Chatillon Corp.*

1,956,613, Corn & Hyatt, Heat transfer facilities in ice cream freezers, filed Mar. 11, 1935, D. C., N. D. Ill., E. Div., Doc. 14361, *Tuthill Pump Co.* v. *R. E. Gebhardt Co.*

1,966,319, K. Stroedter, Driving gear of reciprocating mechanism such as jiggers, shaking conveyors and the like, filed Mar. 28, 1935, D. C., M. D. Pa., Doc. 1164, *A. Eickhoff* v. *Vulcan Iron Works.*

1,968,288, C. W. Floss, Variable speed transmission, filed Mar. 25, 1935, D. C., E. D. Mich. (Detroit), Doc. 6856, *C. W. Floss* v. *Hudson Motor Car Co.*

1,978,305, Hall & Eichelman, Expansion joint, filed Mar. 6, 1935, D. C., N. D. Ill., E. Div., Doc. 14,356, *J. E. Whealan et al.* v. *Truscon Steel Co.*

1,982,445, P. E. Miquelon, Boot, filed Mar. 25, 1935, D. C., E. D. Mich. (Detroit), Doc. 6857, *Universal Products Co., Inc.*, v. *C. H. Barber et al.*

Re. 17,329, J. Schmidt, Woodworking machine, D. C., N. D. Ill., E. Div., Doc. 9654, *J. Schmidt* v. *Altizer Elevator Mfg. Co.* Dismissed for want of prosecution Nov. 5, 1934.

Re. 18,632, G. W. Stedwell, Liquid dispensing apparatus, filed Mar. 22, 1935, D. C., S. D. N. Y., Doc. E 80/17, *Keystone Controls, Inc.*, v. *Aqua Systems, Inc., et al.*

Des. 73,709, H. C. Noe, Lamp shade, D. C., S. D. N. Y., Doc. E 60/138, *W. R. Noe & Sons* v. *East Side Metal Spinning & Stamping Corp.* Dismissed without prejudice (notice Mar. 26, 1935).

Des. 90,349, H. M. Wexberg, Menu card, D. C., N. D. Ill., E. Div., Doc. 14,029, *H. M. Wexberg* v. *Eitel, Inc.* Dismissed for want of equity Oct. 4, 1934.

Des. 90,897, D. C. Rockola, Game device, D. C., N. D. Ill., E. Div., Doc. 13,718, *D. C. Rockola* v. *The Ad-Lee Co.* Dismissed without prejudice Dec. 12, 1934.

Des. 91,960, Netzel & Frost, Auto floor mat, filed Mar. 1, 1935, D. C., N. D. Ill., E. Div., Doc. 14343, *F. S. Frost, et al* (*Frost Rubber Works*) v. *Milwaukee Avenue Motor Sales Co., et al.*

Des. 93,030, B. B. Manaster, Cravat holder, D. C., N. D. Ill., E. Div., Doc. 14,050, *B. B. Manaster* v. *J. O. Pollack & Co., et al.* Dismissed by stipulation Nov. 16, 1934.

Des. 94,386, I. Geist, Blouse, D. C., S. D. N. Y., Doc. E. 79/346, *Mitchell & Weber, Inc.* v. *Petrie's, Inc.* Consent decree for plaintiff (notice Apr. 3, 1935).

Des. 94,465, A. M. Bressler, Sandal, filed Mar. 22, 1935, D. C., S. D. N. Y., Doc. E 80/19, *Deauville Specialty Corp.* v. *W. R. Mackey.*

Des. 94,603, L. H. Forsch, Lady's suit, filed Apr. 2, 1935, D. C., S. D. N. Y., Doc. E 80/84, *The Forsch Benjamin Co.* v. *M. W. Haft & Bros., Inc.*

Des. 94,645, M. Bernstein, Ensemble dress, filed Apr. 2, 1935, D. C., S. D. N. Y., Doc. E 80/89, *Ace-High Dresses, Inc.*, v. *Benfrey Dress Co., Inc.*

Des. 94,647, M. Bernstein, Ensemble dress, filed Mar. 25, 1935, D. C., S. D. N. Y., Doc. E 80/61, *Ace-High Dresses, Inc.*, v. *Lombardy Frocks, Inc.* Same, filed Apr. 6, 1935, D. C., S. D. N. Y., Doc. E 80/101, *Ace-High Dresses, Inc.*, v. *Mohawk Dress Co., Inc.*

Des. 94,821, W. Freedman, Blouse, filed Mar. 22, 1935, D. C., S. D. N. Y., Doc. E 80/18, *Irving Kemp, Inc.*, v. *Pedigree Skirt & Sportwear Co., Inc.* Consent decree for plaintiff (notice Apr. 2, 1935). Same, filed Mar. 26, 1935, D. C., S. D. N. Y., Doc. E 80/63, *Irving Kemp, Inc.*, v. *H. Fineman et al* (*Marilyn Blouse Co.*) Doc. E 80/64, *Irving Kemp, Inc.*, v. *Variety Blouse & Sportwear Co., Inc.* Consent decree for plaintiff (notice Apr. 2, 1935). Same, filed Apr. 1, 1935, D. C., S. D. N. Y., Doc. E 80/82, *Irving Kemp, Inc.*, v. *Albrecht's Stores, Inc.* Same, filed Apr. 8, 1935, D. C., S. D. N. Y., Doc. E 80/102, *Irving Kemp, Inc.*, v. *Janice Shops Corp.*

T. M. 63,492, G. Heileman Brewing Co., Beer, filed Feb. 1, 1935, D. C., N. D. Ill., E. Div., Doc. 14,306, *G. Heileman Brewing Co.* v. *Old Style Lager Mfg. & Distributing Co., et al.*

T. M. 162,305, Mattingly & Moore Distillery Co., Whiskey, D. C., N. D. Ill., E. Div., Doc. 14,059, *Frankfort Distilleries, Inc.*, v. *H. Schmidt* (*Otto Schmidt Wine Co.*). Consent decree enjoining defendant Nov. 22, 1934.

T. M. 169,597, Decatur Brewing Co., Non-intoxicating, non-alcoholic, non-cereal, malt beverage, sold as a soft drink, D. C., N. D. Ill., E. Div., Doc. 7498, *Premier Malt Products Co.* v. *R. T. Kittredge & Co. et al.* Consent decree enjoining defendant Sept. 5, 1934.

T. M. 200,419. D. Gray, Face powder, compacts, etc., D. C., N. D. Ill., E. Div., Doc. 13,610, *D. Gray* v. *D. Ray.* Decree enjoining defendant Aug. 14, 1934.

T. M. 216,819. E. Frederics, Inc., Steam pad, D. C., N. D. Ill., E. Div., Doc. 11,324. *E. Frederics, Inc.*, v. *National Mineral Co.* Decree holding trade-mark valid. Injunction granted Nov. 1, 1934.

T. M. 291,312, Sinclair Refining Co., Lubricating oil, D. C., N. D. Ill., E. Div., Doc. 14,143, *Sinclair Refining Co.* v. *Motor Tire Sales Corp.* Consent decree enjoining defendant Nov. 20, 1934.

Adjudicated Patents

(C. C. A. III.) Hacknay patent, No. 1,578,725, for acetylene generator, evidence *Held* insufficient to establish defense of prior use. *Imperial Brass Mfg. Co.* v. *Hackney*, 75 F.(2d) 689.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,872,205, S. C. Winger, Quick acting mechanism, decided April 20, 1935, claims 4 and 5.

Pat. 1,879,956, Eva Sperling, Instantaneous water heater, decided April 5, 1935, claims 1, 2, 3, and 4.

Pat. 1,909,765, J. E. Jenkins and S. E. Adair, Sound control method and means for practicing same, decided April 22, 1935, claim 9.

Pat. 1,922,726, W. A. Del Mar, Shielded rubber insulated cable, decided April 16, 1935, claims 1 and 2.

Pat. 1,942,026, Samuel Groener, A spirally bound sheaf, decided April 25, 1935, claims 1, 2, and 3.

Pat. 1,977,700, F. H. Sebring, Jr., L. C. Loschky and J. T. Pugh, Jigger for forming articles of plastic material, decided April 22, 1935, claims 1, 2, 3, 4, 5, 6, and 7.

Reissue Pat. 16,870, E. H. Friedrich, Metal flashing, decided March 11, 1935, claim 9.

Disclaimers

1,765,714.—*Ralph W. Bulkeley*, Grand Rapids, Mich. AUTOMOBILE TOP. Patent dated June 24, 1930. Disclaimer filed April 20, 1935, by the *patentee*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

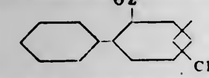
"2. The combination with an automobile body having a windshield, a door opening and a door for said opening, of a collapsible top for said body comprising a bow located adjacent said door opening and constituting a vertical side of said opening, a top structure associated with said bow and extending rearwardly therefrom, a bar detachably connected to the upper horizontal edge of said windshield, a flexible top covering extending between said bow and said bar and attached respectively to said members, top tightening devices extending between and attached at their respective ends to said bar and said bow and jointed between their ends for folding, and a flexible weather strip free of said top tightening devices and extending between and attached at its respective ends to said bar and said bow and located horizontally across and forming the top side of said door opening and engaged by the upper edge of said door when the door is closed."

1,907,728.—*Edgar C. Britton*, Midland, Mich. DISINFECTANT. Patent dated May 9, 1933. Disclaimer filed April 19, 1935, by the assignee, *The Dow Chemical Company*.

Therefore, enters this disclaimer to certain of the claims of the above identified patent, and

Hereby disclaims claims 3 and 6.

Hereby disclaims from the scope of claim 1 any composition containing a compound characterized by the formula;



wherein Z represents hydrogen and *n* represents the integer 1.

Hereby disclaims from the scope of claims 2 and 5 any composition containing a compound characterized by the formula:

wherein Z represents hydrogen.

1,963,254.—*William G. Urmson*, Hamden, Conn. ELECTRON DISCHARGE DEVICE. Patent dated June 19, 1934. Disclaimer filed April 19, 1935, by the assignee, *Radio Research Laboratories, Inc.*

Hereby enters this disclaimer to the following claims of said patent, to wit:

Claims 2, 3, 4, 7, 10 and 11.

1,904,698.—*Aaron Simons*, Bronx, N. Y. METHOD OF MAKING DRAWING DIES. Patent dated April 18, 1933. Disclaimer filed April 17, 1935, by the assignee, *Morris Simons*.

Hereby enters this disclaimer, limiting claim 1 of said Letters Patent as follows:

By restricting the term "nib" to a substantially cylindrical block containing tungsten or other carbide.

1,923,724.—*Ronald George Griffith*, Croydon, England. TELEGRAPH SYSTEM. Patent dated August 22, 1933. Disclaimer filed April 24, 1935, by the assignee, *Creed and Company, Limited*.

Hereby disclaims claim 1 of said Patent No. 1,923,724, said claim being in the following words:

A telegraph system comprising a first signalling station having signal transmitting means and a second signaling station having signal responsive means operable by signals transmitted from the first station, signal transmitting means, and means operable by said signal responsive means for re-transmitting to said first signaling station the signals as received therefrom, the signal transmitting means at the first station being entirely free from control of the second station.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 14, 1935

[VOL. 454 · No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 361,366. NEWMARKET LEATHER CO., INC., New York, N. Y. Filed Feb. 13, 1935.



No claim is made to the words "tuff" and "Scuff Proof" apart from the mark shown on the drawing.

For Leather for Shoe Uppers.

Claims use since Aug. 1, 1935.

Ser. No. 362,604. WAGNER-FELLER & CO., New York, N. Y. Filed Mar. 15, 1935.



No claim is made to the words "Seal" and "Dyed Coney" apart from the mark shown on the drawing.

For Dyed Fur.

Claims use since Mar. 1, 1935.

Ser. No. 363,153. BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Mar. 29, 1935.

Fluf-Lastic

For Cotton Bats.

Claims use since Apr. 12, 1933.

Ser. No. 363,172. C. D. KEPNER LEATHER COMPANY, Boston, Mass. Filed Mar. 29, 1935.

WIBUK

For Leather.

Claims use since Feb. 1, 1935.

CLASS 2

Receptacles

Ser. No. 362,837. ODORA COMPANY, INC., New York, N. Y. Filed Mar. 21, 1935.

ODORA

For Paper Garment Bags.

Claims use since June 4, 1934.

Ser. No. 363,243. TRANSPARENT PACKAGE COMPANY, Chicago, Ill. Filed Mar. 30, 1935.



No claim is made to the words "Transparent", "Sealed", "Identified", and "Quality" apart from the mark as shown.

For Sausage Cases Made from Regenerated Cellulose.

Claims use since Mar. 25, 1935.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 362,686. JACK ISRAEL, INC., New York, N. Y. Filed Mar. 18, 1935.

ZIPOVER

For Ladies' Handbags.
Claims use since Mar. 11, 1935.

Ser. No. 362,746. THE MAY DEPARTMENT STORES COMPANY, doing business as The May Company; Famous-Barr Company; and M. O'Neil Company, Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; St. Louis, Mo.; and Akron, Ohio. Filed Mar. 19, 1935.

Charmante

For Ladies' Leather and Fabric Handbags.
Claims use since Mar. 4, 1935.

Ser. No. 362,154. BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Mar. 20, 1935.

Fluf-Lastic

For Horse Collar Pads.
Claims use since May 2, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 356,187. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Dec. 11, 1934.



JABON EL GALLO

No claim is made to the word "Jabon" apart from the mark shown in the drawing.
For Soap.
Claims use since Feb. 1, 1916.

Ser. No. 360,751. CASTILE TOILETRIES INC., New York, N. Y. Filed Jan. 28, 1935.

La CANTANA
CASTILE SOAP



MADE WITH GENUINE
IMPORTED OLIVE OIL
from Spain

All the wording appearing on the drawing with the exception of the words "La Cantana" and the letters "L C" is disclaimed when used separate and apart from the other features of the mark as shown on the drawing.
For Soaps.
Claims use since Jan. 8, 1935.

Ser. No. 361,725. THE CINCINNATI SOAP COMPANY, Cincinnati, Ohio. Filed Feb. 22, 1935.

PAL

For Soap or Soap Flakes.
Claims use since Jan. 4, 1935.

Ser. No. 361,776. THE J. T. ROBERTSON CO., INC., Syracuse, N. Y. Filed Feb. 23, 1935.



ALURA

The portrait appearing on the drawing is fanciful.
For Soaps and Toilet Soaps.
Claims use since May 17, 1934.

Ser. No. 362,681. HENDERSON BROTHERS CORPORATION, Johnstown, Pa. Filed Mar. 18, 1935.

Shoe Groom

The words "For White Shoes" are disclaimed apart from the mark as shown.
For Shoe Dressing and Polish.
Claims use since Feb. 1, 1935.

Ser. No. 363,091. COTY, INC., Wilmington, Del. Filed Mar. 28, 1935.

"Continentale"

For Soaps and Shaving Creams.
Claims use since Dec. 3, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 346,582. ALFRED LEDERMAN, New York, N. Y. Filed Jan. 26, 1934.

NU-GLOSS

For Hair Rinse.
Claims use since July 1, 1933.

Ser. No. 349,005. CATARACT CHEMICAL COMPANY, INC., Buffalo, N. Y. Filed Mar. 23, 1934.



Countess Potocka

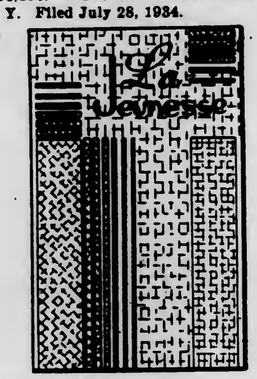
The portrait appearing on the drawing is that of Countess Potocka, deceased.
For Shampoo.
Claims use since Mar. 5, 1934.

Ser. No. 350,118. VICTOR VIVAUDOU, Los Angeles, Calif. Filed Apr. 17, 1934.

La Sept Mysterieux

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, and Sold Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Apr. 10, 1934.

Ser. No. 354,416. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed July 28, 1934.



Applicant disclaims the sole right to the design apart from the mark as shown.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, and Sold Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparation Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since July 23, 1934.

Ser. No. 355,075. PARAFLUID GESELLSCHAFT M. B. H., Hamburg, Germany. Filed Aug. 16, 1934.

Pasquit

For Pharmaceutical Drugs and Preparations—Namely, Medicinal Mineral Oils, General Tonics, Cakes and Biscuits Containing a Medicament Having Laxative Properties.
Claims use since Aug. 1, 1933.

Ser. No. 355,076. PARAFLUID GESELLSCHAFT M. B. H., Hamburg, Germany. Filed Aug. 16, 1934.

„Treparol"

For Pharmaceutical Petroleum Oils and Petroleum Jelly.
Claims use since Dec. 29, 1928.

Ser. No. 355,298. DEUTSCHE HYDRIERWERKE, A.-G., Berlin-Charlottenburg, Germany. Filed Aug. 22, 1934.

Lanette

For Waxes Such as Spermaceti, Beeswax, Wool Wax, and Carnauba Wax; Industrial Alcohols, Such as Lauryl, Myristyl, Cetyl, Stearyl, Eicosyl, Carnaubyl, Ceryl, Cerotyl, Melissyl, Tetradecenyl, Cetenyl, Octadecenyl, Eicosenyl, Physetoleyl, Oleyl, Linoleyl, Linolenyl and Ricinoleyl and the Sulfates and Sulfonates of these Alcohols.
Claims use since Mar. 12, 1929.

Ser. No. 356,112. DIEHL RESEARCH LABORATORIES, LTD., Los Angeles, Calif. Filed Sept. 17, 1934.

SAN-O-GEN

For Dry Antiseptic Powder Used in Cleansing and Deodorizing for Vaginal Application.
Claims use since Aug. 28, 1934.

Ser. No. 357,073. CELINE WILLIAMS, doing business as Minute Products Co., New York, N. Y. Filed Oct. 12, 1934.

RAYO-GAS

For Salve for Colds, Rheumatic Pains, Headaches, Insect Bites, Swelling, Local Congestion and Irritation; Nose Drops for Colds and Nasal Catarrh; and Liniment for Rheumatic Pains and Strains.
Claims use since Sept. 17, 1934.

Ser. No. 357,427. FEM-CO INC., New York, N. Y. Filed Oct. 23, 1934.



The words "Elixir Strontium Composita" appearing in the drawing are disclaimed.

For Medicinal and Pharmaceutical Preparations, designed for the Relief of Pain and Other Irregularities of Menstruation and the Menapause.

Claims use since Oct. 6, 1934.

Ser. No. 358,142. CHARLES E. LYON, JR., doing business as Lyon Laboratories, Winterset, Iowa. Filed Nov. 12, 1934.

TRADE  MARK

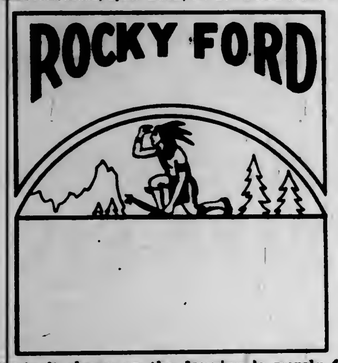
-SPRINT-

The words "Trade Mark" are disclaimed as apart from the mark as shown.

For Externally Applied Ointment for Athlete's Foot, Sunburn, Itch, Mosquito Bites, Gall Burns, Ringworm, Gym Itch, and Like.

Claims use since Aug. 27, 1934.

Ser. No. 358,675. SAM HAGLER, doing business as Rocky Ford Laboratories, New York, N. Y. Filed Nov. 27, 1934.



The portrait shown on the drawing is merely fanciful.

For Hair Tonic, Hair Dressing, Quinine Preparation for Hair, Lilac Toilet Water, Bay Rum Preparation, Mange Preparation for Hair, Cold Cream, and Shampoo Preparation for hair.

Claims use since Feb. 1, 1934.

Ser. No. 358,765. MICHELE CONZA, Summit, N. J. Filed Nov. 30, 1934.

JELOPHEN

Applicant disclaims the term "Jel" apart from the mark shown.

For Antiseptic Jelly.

Claims use since Oct. 29, 1934.

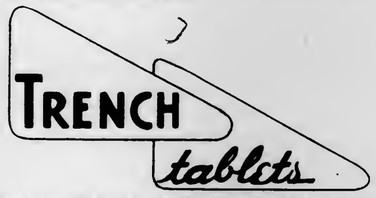
Ser. No. 359,328. J. E. STROSCHEIN CHEMISCHE FABRIK KOMMANDITGESELLSCHAFT, Berlin, Germany. Filed Dec. 14, 1934.

Martol

For Medicinal Dietetic, and Pharmaceutical Preparations of Cold-Liver Oil and Oil Emulsions.

Claims use since Aug. 5, 1913.

Ser. No. 359,654. FENWICKE CORPORATION, New York, N. Y. Filed Dec. 26, 1934.



The word "tablets" is disclaimed, as shown on the drawing.

For Mouth Wash in Tablet Form.

Claims use since 1928.

Ser. No. 360,102. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed Jan. 10, 1935.

VAUKA

For Medicinal and Chemical Preparations—Namely, Pharmaceutical Drugs and Preparations Used in the Treatment of Venereal Diseases; Disinfectants, Chemical Preparations for Preserving Food; Preparations for Tanning and Finishing Leather; Perfume, Cosmetics—Namely, Rouge, Lipstick and Powder; Ethereal Oils; Bleaching Preparations, Laundry Starch, Bluing, Dye Tints, and Chemical Anti-Corrosive Preparations.

Claims use since November, 1934.

Ser. No. 361,030. MAX WM. SHARPS, doing business as Irvax Laboratories, Chicago, Ill. Filed Feb. 4, 1935.

IRVAX

For Cough Syrup, Cascara, Quinine, and Black Draught.

Claims use since July 1, 1931.

Ser. No. 361,339. TAKAMINE CORPORATION, New York, N. Y. Filed Feb. 12, 1935.

MOXOL

For a Preparation Used as a Hypodermic or Intravenous Injection in the Treatment of Arteriosclerosis, Neuralgia, Rheumatism, Pneumonia, Influenza, Carbuncle, Phlegmon, Puerperal Fever, Acute Inflammatory Diseases, Erysipelas, Tinnitus, Urticaria, Bronchial Asthma, Heart-Asthma, Angina Pectoris, Insomia, Tuberculosis, Night-Sweating, Chronic Morphine Poisoning, and for Promoting the Healing of Wounds.

Claims use since Jan. 31, 1935.

Ser. No. 361,345. Q. T. BILSBO, Asheville, N. C. Filed Feb. 11, 1935.

Q.T. TONIC

The word "Tonic" appearing in the drawing is disclaimed.

For Tonic for Disorders of the Digestive System.

Claims use since Nov. 10, 1932.

Ser. No. 361,962. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Feb. 28, 1935.

SOUTHERN BREEZE

For Perfumes and Toilet Water.

Claims use since Feb. 14, 1935.

Ser. No. 362,326. ROGER & GALLET, New York, N. Y. Filed Mar. 9, 1935.

CHALLENGE

For Perfumes, Toilet Waters, Face and Toilet Powders, Powder and Rouge Compacts, Rouges, Lipsticks, Bath Salts, Lotions for the Skin and Hair, and Sachets.

Claims use since Feb. 14, 1935.

Ser. No. 362,372. JOHN MELLOR, doing business as Mell-Ex Company, Harrisburg, Pa. Filed Mar. 11, 1935.



For Salve for External Treatment of Boils, Carbuncles, and as an Antiseptic Application Against Skin Infections.

Claims use since Aug. 1, 1934.

Ser. No. 362,381. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 11, 1935.

LIQUO-LENE

For Hair Tonic.

Claims use since Jan. 1, 1933.

Ser. No. 362,385. TATTOO, INC., Chicago, Ill. Filed Mar. 11, 1935.

TATTOO HAWAIIAN

For Lipstick, Rouge, Face Powder, and Eyelash and Eyebrow Mascara.

Claims use since Jan. 14, 1934.

Ser. No. 362,443. H. B. PEARCE, doing business as Ronko Products Co., Selma, N. C. Filed Mar. 12, 1935.

RONKO

For Medicinal Preparation for Use in Treating Bronchial Troubles.

Claims use since 1931.

Ser. No. 362,543. THE J. R. WATKINS COMPANY, doing business as Wade Laboratories, Newark, N. J. Filed Mar. 14, 1935.



ROYAL YORK

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Shampoo Jelly, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Feb. 23, 1935.

Ser. No. 362,562. ESSENTIAL PRODUCTS CORP., Chicago, Ill. Filed Mar. 15, 1935.

SUPER SELTZER

The word "Seltzer" is disclaimed apart from the mark shown on the drawing.

For Mineral Crystals Used as a Laxative, an Alkalizer, and Diuretic.

Claims use since Mar. 1, 1935.

Ser. No. 362,612. CENTRAL PERFUMERY & SUPPLY CO., INC., Astoria, Long Island City, N. Y. Filed Mar. 16, 1935.



The drawing is lined to indicate the colors red and white.

For After Shaving Lotion.

Claims use since Sept. 1, 1934.

Ser. No. 362,819. GENERAL AND MARINE LABORATORY, Crisfield, Md. Filed Mar. 21, 1935.

ALVAGEL

For Preparation for the Treatment of Burns from X-Rays and Radium and Other Forms of Burns and of Dermatitis and Ulcers.

Claims use since Feb. 5, 1935.

Ser. No. 362,840. RANDOLPH-LOWELL COMPANY, New York, N. Y. Filed March 21, 1935.

"SANDMAN"

For sedative to aid sleep.

Claims use since March 11, 1935.

Ser. No. 362,937. THE BENJAMIN ANSBHL COMPANY, St. Louis, Mo. Filed March 25, 1935.

SENSI-SKIN

No claim is made to the word "Skin" apart from the mark shown.

For Face Powder.

Claims use since Jan. 1, 1935.

Ser. No. 362,952. JOE CROSS, Belington, W. Va. Filed Mar. 25, 1935.



The name shown is a facsimile of applicant's signature.

For Insecticide for Beetles, Lice, Ticks, and Grasshoppers.

Claims use since Mar. 20, 1935.

Ser. No. 363,026. ALBIS COMPANY, Portland, Me. Filed Mar. 27, 1935.

ALBIS

For Almond Cream Lotion.

Claims use since Mar. 1, 1933.

CLASS 10

Fertilizers

Ser. No. 363,168. INTERNATIONAL REDUCTION CORPORATION, Chicago, Ill. Filed Mar. 29, 1935.

ORGANO

For Fertilizers.

Claims use since Aug. 21, 1933.

CLASS 12

Construction Materials

Ser. No. 349,214. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Mar. 28, 1934.

IBECO

For Waterproof Paper and Cardboard Used for Building Purposes, Particularly Bitumen Impregnated Paper and Cardboard.

Claims use since Oct. 24, 1932.

Ser. No. 354,243. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed July 24, 1934.

MONOFRAX

For Blocks Adapted to Provide or Form Combustion Ports, Recuperator Blocks, Regenerator Blocks, Furnace Lining Blocks, Kiln-Lining Blocks, Cupola Blocks, Gas-Generator Blocks, Air-Cooled Furnace-Lining Blocks, Suspended-Furnace-Arch Blocks, Hearth-Support Blocks, Combustion Tubes, Burner Blocks, Baffle Blocks, Glass Tank Blocks, Open Hearth Wall Blocks, Furnace-Wall Veneer Blocks—i. e., Facing Blocks Keyed, Interfitted, or Otherwise Secured on a Supporting Wall to be Protected, Furnace-Arch Veneer Blocks—i. e., Facing Blocks Keyed, Interfitted, or Otherwise Carried on a Furnace-Arch Structure to be Protected.

Claims use since Apr. 4, 1934.

Ser. No. 356,344. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Sept. 24, 1934.

DURO

For Acid-Proof Brick.

Claims use since Mar. 17, 1915.

Ser. No. 362,335. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed Mar. 9, 1935.



The word "Cement" is disclaimed apart from the mark as shown. The drawing is lined for red and blue.

For Building Cement.

Claims use since Mar. 1, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 362,362. HOOKLESS FASTENER COMPANY, Meadville, Pa. Filed Mar. 11, 1935.

DRESS ALONE

For Slide Fasteners.

Claims use since Feb. 27, 1935.

Ser. No. 362,498. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind. Filed Mar. 13, 1935.

BEN HUR

For Enamel Teakettles, Enamel Preserving Kettles, Enamel Dish Pans, Enamel Wash Basins, Enamel Rice Boilers, Enamel Combinets, Enamel Coffee Pots, and Enamel Percolators.

Claims use since June 1, 1933.

Ser. No. 362,568. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa. Filed Mar. 15, 1935.

DU-CHRO

For Skillets, Griddles, and Steak Platters.

Claims use since September, 1933.

Ser. No. 363,212. FEDERAL ENAMELING & STAMPING COMPANY, McKees Rocks, Pa. Filed Mar. 30, 1935.



Apart from the mark shown, no claim is made to the words "Enamel Ware"; "Chip-Proofed Stainless"; "Read the Guarantee with Each Utensil"; "Ware", and "Pittsburgh, Pa."

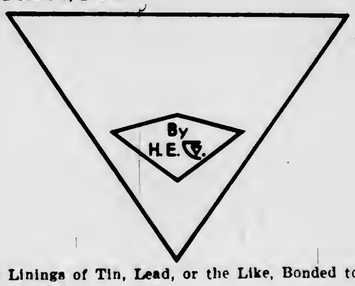
For Utensils Formed of Enameled Base Metal—Namely, Pots, Urns, Kettles, Strainers, Pans, Drip Type Coffee Makers.

Claims use since Aug. 12, 1933.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 362,311. FRANCIS R. GLENNER, doing business as Homogeneous Equipment Company, Downington, Pa. Filed Mar. 9, 1935.



For Linings of Tin, Lead, or the Like, Bonded to Steel or Other Metals.

Claims use since Oct. 1, 1930.

CLASS 15

Oils and Greases

Ser. No. 362,337. ANDREW J. MCPARTLAND, New Haven, Conn. Filed Mar. 8, 1935.

KWIXTART

No claim is made to the individual syllables of the mark each apart from the other.
For Lubricating Oils and Gasoline.
Claims use since Mar. 6, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 361,521. EL REY PRODUCTS CO., Los Angeles, Calif. Filed Feb. 18, 1935.



For Asphalt Roof Paint.
Claims use since Jan. 15, 1926.

Ser. No. 361,833. AMERICAN ZIRCONIUM CORPORATION, Baltimore, Md. Filed Feb. 26, 1935.

ZOPAQUE

For Paint Pigments, Specifically Titanium Dioxide.
Claims use since Jan. 25, 1935.

Ser. No. 362,060. J. J. BORK, doing business as Dairy Chemical Company, Fort Dodge, Iowa. Filed Feb. 27, 1935.

DACOLENE

For Ready Mixed Paint.
Claims use since Dec. 10, 1934.

Ser. No. 362,320. NUDELL MANUFACTURING COMPANY INC., Chicago, Ill. Filed Mar. 9, 1935.

DUAGLOSS

For Ready Mixed Paints or Varnishes.
Claims use since Feb. 27, 1935.

CLASS 17

Tobacco Products

Ser. No. 361,695. ROTHENBERG & SCHLOSS CIGAR CO., Kansas City, Mo. Filed Feb. 21, 1935.



The lining on the drawing represents the color gold.
For Stogies.
Claims use since July 1, 1924.

Ser. No. 363,127. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Mar. 28, 1935.



For Plug, Twist, and Smoking Tobacco.
Claims use since Mar. 1, 1935.

CLASS 21

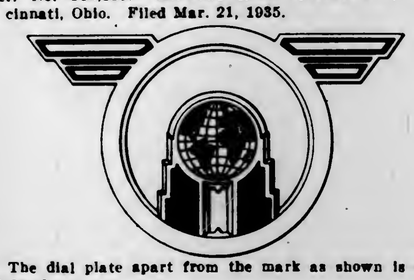
Electrical Apparatus, Machines, and Supplies

Ser. No. 362,338. ANDREW J. MCPARTLAND, New Haven, Conn. Filed Mar. 8, 1935.

KWIXTART

No claim is made to the individual syllables of the mark, each apart from the other.
For Electric Storage Batteries.
Claims use since Mar. 6, 1935.

Ser. No. 362,835. MIDWEST RADIO CORPORATION, Cincinnati, Ohio. Filed Mar. 21, 1935.



The dial plate apart from the mark as shown is disclaimed.
For Radio Receiving Sets and Parts Thereof, Loud Speakers, and Combination Radio Receiving Sets and Talking Machines and Parts Thereof.
Claims use since 1930.

Ser. No. 363,210. EDISON-SPLITDORF CORPORATION, West Orange, N. J. Filed Mar. 30, 1935.

Challenger

For Electrical Ignition Devices, in Particular Spark Plugs.
Claims use since Feb. 23, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 348,507. FRANK MAZETTA, Grantwood, N. J. Filed Mar. 12, 1934.

"Baby Rose Marie"



Baby Rosemarie

The portrait and signature are those of applicant's infant daughter.
For Table Board Games Played With Pieces.
Claims use since Mar. 6, 1934.

Ser. No. 360,871. LOUIS WOLF & CO. INC., New York, N. Y. Filed Jan. 30, 1935.

Robin Hood

For Dolls, Toys, and Novelties—Namely, Building Blocks; Toy Farm Sets, Tea Sets, and Furniture Sets; Toy Musical Instruments—Namely, Pianos; Musical Toys; Rattles, Roly Polys; Rubber Balls; Soldier Sets; Christmas Tree Ornaments; Paper Houses; Rubber, Velvet, Plush, Cotton, and Composition Animals.
Claims use since Jan. 16, 1935.

Ser. No. 362,680. OSCAR H. HAMBRO, Boston, Mass. Filed Mar. 18, 1935.



No claim is made to the term "Ski-Craft" apart from the mark as shown.
For Skis and Ski Outfits—Namely, Ski-Bindings and Ski-Poles.
Claims use since April, 1929.

Ser. No. 362,756. DR. PIERRE M. WILLEMIN, Alameda, Calif. Filed Mar. 19, 1935.

E-Z-2-C

For Playing Cards.
Claims use since Feb. 20, 1935.

Ser. No. 362,861. RAYMOND E. ASHLEY, doing business as Puff-O Game Co., Waban, Mass. Filed Mar. 22, 1935.

PUFF-O

For Game of Skill Played With Cups and a Ball.
Claims use since Oct. 15, 1934.

Ser. No. 362,895. DR. PIERRE M. WILLEMIN, Alameda, Calif. Filed Mar. 22, 1935.



The trade-mark consists of two shaded triangles printed on the face of each card of one suit of each of the two contrasting color suits, one in the upper-left hand corner and the other in the lower right hand corner, covering the index of each of said cards.
For Playing Cards.
Claims use since Aug. 19, 1934.

Ser. No. 363,419. ALLIED ENGINEERING COMPANY, Chicago, Ill. Filed Apr. 5, 1935.

GO-GO

For Roller Skates and Wheels and Repair Parts Therefor.
Claims use since Mar. 28, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 358,624. P. E. BETTING, doing business as The Marco Products Company, Los Angeles, Calif. Filed Nov. 26, 1934.

HOOTNANY

For Hand Tool for Cleaning the Pipes of Plumbing and for Training Electric Wire Through Conduits.
Claims use since Jan. 1, 1927.

Ser. No. 362,247. A C SPARK PLUG COMPANY, Flint, Mich. Filed Mar. 8, 1935.

CICO

For Oil Filter Renewal Cartridges for Use with Oil Filters for Internal Combustion Engines.
Claims use since Jan. 9, 1935.

CLASS 25

Locks and Safes

Ser. No. 362,848. WILLIAM P. STRICKLAND, Chicago, Ill. Filed Mar. 21, 1935.

CYK-O-LOC

No claim is made to the word "LOC" apart from the association shown.
For Bicycle Locks.
Claims use since Mar. 12, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 359,347. ADAM HILGER, LIMITED, London, England. Filed Dec. 15, 1934.

PRESIL

For Glassware (Not Graduated) for Scientific Use.
Claims use since October, 1934.

Ser. No. 361,039. MOVIE-JECKTOR COMPANY, INC., New York, N. Y. Filed Feb. 1, 1935.

TALKIE-JECKTOR

The word "Talkie" is disclaimed apart from the mark as shown.
For Motion Picture Projectors Equipped with Phonographic Sound Reproducing Means.
Claims use since Nov. 15, 1934.

Ser. No. 362,164. FRANK C. BRADY, doing business as Screeno Amusement Company, Chicago, Ill. Filed Mar. 6, 1935.

SCREENO

For Stereopticon Slides.
Claims use since Jan. 25, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 363,152. BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Mar. 29, 1935.

FLUF-LASTIC

For Mattresses and Pillows.
Claims use since Jan. 21, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 362,407. FERRO ENAMEL CORPORATION, Cleveland, Ohio. Filed Mar. 12, 1935.

EVERY PACKAGE IS FERRO CHECKED
FERRO ENAMEL

Applicant disclaims all wording except "Ferro" apart from the mark.
For Enamel Furnaces, Burning Bars, Burning Pins, and Pin Racks.
Claims use since Sept. 11, 1934.

Ser. No. 362,496. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis Ind. Filed Mar. 13, 1935.

BEN HUR

For Coal Ranges, Coal Heating Stoves, Oil Ranges, and Wicks for Oil Stoves.
Claims use since Jan. 1, 1920.

CLASS 35

Belting, Hose, Machinery Packing, and Non-Metallic Tires

Ser. No. 358,037. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Filed Oct. 17, 1934.

70 85

For Metal Piston Rings.
Claims use since Oct. 2, 1933.

Ser. No. 358,288. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 16, 1934.

ALL-AMERICAN

For Tires Composed Principally or Wholly of Rubber.
Claims use since Nov. 15, 1934.

Ser. No. 362,153. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 5, 1935.

BIG FOUR

For Tires of Rubber and Fabric.
Claims use since Jan. 29, 1935.

Ser. No. 362,154. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 5, 1935.

BIG SIX

For Tires of Rubber and Fabric and Rubber Inner Tubes Therefor.
Claims use since Dec. 11, 1931, on tires; since Feb. 19, 1935, on inner tubes.

CLASS 37

Paper and Stationery

Ser. No. 362,379. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Mar. 11, 1935.

COLONIAL

For Waxed Paper Sheets and Rolls.
Claims use since Nov. 25, 1934.

Ser. No. 363,333. LOUISVILLE WALL PAPER COMPANY, Louisville, Ky. Filed Apr. 2, 1935.

Majestic WALL DECORATIONS

No claim is made to the words "Wall Decorations" except in the combination shown.
For Wall Paper.
Claims use since Jan. 2, 1933.

CLASS 38

Prints and Publications

Ser. No. 356,490. ARTHUR J. PALMER, New York, N. Y. Filed Sept. 27, 1934.

DISCOVER AMERICA

For Books, Booklets, Maps and Scenic Prints.
Claims use since Sept. 22, 1934.

Ser. No. 356,810. HERBERT R. LEWIS, Homewood, Ill. Filed Oct. 5, 1934.

Know Your Country!

For Painted Pictures and Publications Issued from Time to Time.
Claims use since Aug. 14, 1934.

Ser. No. 359,881. COLONIAL WILLIAMSBURG, INC., Williamsburg, Va. Filed Jan. 3, 1935.



For Descriptive Booklets and Printed Matter with Reference to the Restoration of Colonial Williamsburg.
Claims use since September, 1934.

Ser. No. 361,100. RAYFORD A. MANN, Chicago, Ill. Filed Feb. 6, 1935.

OUTDOORS

For Periodical.
Claims use since Feb. 15, 1933.

Ser. No. 361,264. GENERAL FOODS CORPORATION, New York, N. Y. Filed Feb. 11, 1935.

GENERAL FOODS
BROADCASTER

For Publication Issued Periodically.
Claims use since Jan. 5, 1935.

Ser. No. 361,451. THE BUFFALO TIMES, INC., Buffalo, N. Y. Filed Feb. 16, 1935.

POLLY ELLICOTT OBSERVES—

For Newspaper Column.
Claims use since Dec. 11, 1934.

Ser. No. 362,606. LEOLA ALLARD, Chicago, Ill. Filed Mar. 16, 1935.

Oh You Women!
by Leola Allard

For Newspaper Column.
Claims use since Feb. 28, 1935.

Ser. No. 362,642. WEBER COSTELLO CO., Chicago Heights, Ill. Filed Mar. 16, 1935.

VITO-GRAPHIC

For Maps.
Claims use since Feb. 15, 1935.

Ser. No. 362,774. ECONOMIC FORUM INC., New York, N. Y. Filed Mar. 20, 1935.

ECONOMIC FORUM

For Periodicals.
Claims use since Dec. 19, 1932.

Ser. No. 362,802. CHILTON COMPANY, Philadelphia, Pa. Filed Mar. 21, 1935.

The JEWELERS' CIRCULAR-KEYSTONE

For Periodical.
Claims use since January, 1935.

Ser. No. 362,885. THE THANHARDT-BURGER CORPORATION, La Porte, Ind. Filed Mar. 22, 1935.

Reofect

For Pictures and Paintings.
Claims use since August, 1933.

Ser. No. 363,178. MCLOUGHLIN BROS., INC., Springfield, Mass. Filed Mar. 29, 1935.

THE LITTLE BIG BOOKS

No claim is made to the words "The" or "Books" apart from the mark as shown and no claim is made to the words "Little" or "Big" except in combination with each other.
For Series of Books Published from Time to Time.
Claims use since Dec. 26, 1928.

Ser. No. 363,258. ROGER M. ANDREWS, Menominee and Mackinac Island, Mich. Filed Apr. 1, 1935.

MACKINAC ISLAND NEWS

For Weekly Newspaper.
Claims use since 1933.

Ser. No. 363,268. OLIVER B. CAPELLE, Elkhart, Ind. Filed Apr. 1, 1935.

MR. BALDY BEEZER

For Cartoons.
Claims use since Mar. 21, 1935.

Ser. No. 363,273. CRANE CO., Chicago, Ill. Filed Apr. 1, 1935.

The HOME. Desirable

For Magazine Used in General Circulation.
Claims use since May, 1933.

Ser. No. 363,358. BABY CHICK COMPANY, Chicago, Ill. Filed Apr. 3, 1935.

STANDARD DIRECTORY and BUYER'S GUIDE for the HATCHERY and POULTRY SUPPLY TRADE

For Annual Publication.
Claims use since Jan. 15, 1935.

Ser. No. 363,365. THE HENZE-MARTIN PUBLISHING COMPANY, Cleveland, Ohio. Filed Apr. 3, 1935.

ELECTRIC KITCHEN TIMES

For Monthly Publication.
Claims use since Jan. 1, 1934.

CLASS 39

Clothing

Ser. No. 348,162. FAYALLYN DRESS SHOP, Chicago, Ill. Filed Mar. 5, 1934.

FAYALLYN

For Outer Wearing Apparel, Namely, Frocks, Pinafores, and House Dresses for Women and Children.
Claims use since Oct. 10, 1933.

Ser. No. 358,359. CHAS. CHIPMAN'S SONS CO. INC., New York, N. Y. Filed Nov. 19, 1934.

★★★★ FOUR STAR

For Hosiery.
Claims use since Sept. 11, 1934.

Ser. No. 359,111. J. L. BRANDEIS & SONS, Omaha, Nebr. Filed Dec. 10, 1934.

Day Time

For Ladies' Hosiery.
Claims use since Dec. 3, 1933.

Ser. No. 359,991. ALBERT GIVEN MANUFACTURING COMPANY, East Chicago, Ind. Filed Jan. 7, 1935.

Flannel-Tone

The word "Flannel" apart from the mark as shown is disclaimed.
For Men's and Boys' Trousers.
Claims use since Oct. 24, 1934.

Ser. No. 360,485. PETER PAN DRESS COMPANY, INC., New York, N. Y. Filed Jan. 21, 1935.

PETER PAN "EXCLUSIVE FRANCHISE" DRESSES

No claim is made to the word "Dresses" apart from the mark shown.
For Misses' and Women's Dresses.
Claims use since February, 1933.

Ser. No. 361,082. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Feb. 6, 1935.

Pari-Smart

No claim is made to the word "Smart." The shading on the drawing is not for purpose of distinguishing a color.
For Leather Shoes and Cloth Shoes.
Claims use since February, 1931.

Ser. No. 361,224. M. S. SIEGEL & COMPANY, INC., New York, N. Y. Filed Feb. 9, 1935.

"Moonlite"

For Ladies' Undergarments—Namely, Vests, Bloomers, Panties, Stepins, Gowns, Petticoats, Pajamas, Slips, Chemises, Bando Top Chemises, Dancettes and Bandeaux.
Claims use since Apr. 1, 1934.

Ser. No. 361,357. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Feb. 13, 1935.

TRITEX by Luxite

The word "by" is disclaimed apart from the mark as shown.
For Underwear for Women.
Claims use since July 21, 1932.

Ser. No. 361,655. COLEMAN ZAGEIR, doing business as The Man Store, Asheville, N. C. Filed Feb. 20, 1935.

PIONEER HOMESPUN The MAN Store

The words "Homespun" and "The Man Store" apart from the combination shown are disclaimed.
For Men's Suits, Overcoats and Topcoats.
Claims use since Oct. 1, 1934.

Ser. No. 361,668. COLLEGIATE MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 21, 1935.

"Slip Allure"

Applicant disclaims the word "Slip" apart from the mark shown.
For Ladies' Slips.
Claims use since Oct. 29, 1934.

Ser. No. 361,741. CHESTER GREENWOOD, doing business as Chester Greenwood & Company, Farmington, Maine. Filed Feb. 23, 1935. Under 10-year proviso.

Greenwood

For Ear Protectors.
Claims use since 1874.

Ser. No. 361,747. HAYWARD HOSIERY COMPANY, Ipswich, Mass. Filed Feb. 23, 1935.



No claim is made for the word "Sox" apart from the mark shown.
For Ladies' Silk, and Silk and Wool Hosiery.
Claims use since Feb. 15, 1935.

Ser. No. 362,075. ESSLEY SHIRT COMPANY, INC., New York, N. Y. Filed Mar. 2, 1935.

BAND OF VALUE

No claim is made to the word "Band" apart from the mark.
For Men's and Boys' Dress and Negligee Shirts.
Claims use since Jan. 22, 1935.

Ser. No. 362,259. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Mar. 8, 1935.

LUXORA

For Men's Clothing—Namely, Overcoats and Topcoats.
Claims use since Feb. 1, 1935.

Ser. No. 362,267. OLYMPIA KNITTING MILLS, INC., Olympia, Wash. Filed Mar. 8, 1935.

Shor-T

For Swimming Trunks.
Claims use since Feb. 26, 1935.

Ser. No. 362,358. FREEDMAN-ROSDELHEIM COMPANY, Philadelphia, Pa. Filed Mar. 11, 1935.

RIALTO

STA-SMOOTH

The word "Sta-Smooth" is claimed only in the association shown.
For Men's Outer Shirts.
Claims use since October, 1934.

Ser. No. 362,404. EAGLE CLOTHES, New York, N. Y. Filed Mar. 12, 1935.



Applicant disclaims the word "Clothes" apart from the mark shown.
For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.
Claims use since March, 1931.

Ser. No. 362,468. J. FRIEDMAN & CO. INC., New York, N. Y. Filed Mar. 13, 1935.

ROCKUNA

For Men's and Young Men's Overcoats and Topcoats.
Claims use since Feb. 20, 1935.

Ser. No. 362,470. LEO J. GOLDBERGER, doing business as L. Wohl & Co., New York, N. Y. Filed Mar. 13, 1935.

"Flower of the Month"

Frock

No claim is made to the exclusive use of the word "Frock" apart from the mark as shown.
For Children's and Misses' Clothing—Namely, Dresses, Blouses, Play Suits, and Shorts.
Claims use since Feb. 28, 1935.

Ser. No. 362,488. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Mar. 13, 1935.

STONEGATE

For Coats, Vests, Trousers, Knickerbockers, Top Coats, and Overcoats for Men, Youths, and Boys.
Claims use since February, 1935.

Ser. No. 362,630. ROSENAU BROS., INC., Philadelphia, Pa. Filed Mar. 16, 1935.

CVRLY-TOP

For Children's Dresses, Rompers, and Playsuits.
Claims use since Mar. 6, 1935.

Ser. No. 362,638. JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Mar. 16, 1935.

Imperial Aga Shah

For Men's Topcoats, Overcoats, and Suits.
Claims use since Feb. 1, 1935.

Ser. No. 362,755. SHRAGE & PINES, New York, N. Y. Filed Mar. 19, 1935.

Shrine

For Boys' and Men's Pajamas.
Claims use since Jan. 1, 1935.

Ser. No. 362,822. GOLD AND COMPANY, Lincoln, Nebr. Filed Mar. 21, 1935.

Gold-Budget

For Hosiery.
Claims use since Mar. 15, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 361,980. NAUMKEAG STEAM COTTON CO., Salem, Mass. Filed Feb. 28, 1935.



For Sheeting, Sheets, and Pillow Cases.
Claims use since Jan. 1, 1925.

Ser. No. 362,341. ACKER & JASLOW, New York, N. Y. Filed Mar. 11, 1935.

ACK-LOW

For Silk and Rayon Piece Goods.
Claims use since Feb. 1, 1935.

CLASS 43

Thread and Yarn

Ser. No. 361,487. SUN RAY YARN CO. INC., New York, N. Y. Filed Feb. 16, 1935.

SUN-FLAKE

For Threads and Yarns.
Claims use since Oct. 1, 1934.

Ser. No. 361,564. CAROLINA DYEING & WINDING, INC., Mt. Holly, N. C. Filed Feb. 19, 1935.

SILK-A-RAY

The word "Silk" is disclaimed.
For Hosiery Yarn Consisting of Silk and Rayon Twisted Together.
Claims use since Jan. 16, 1935.

Ser. No. 361,984. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y. Filed Feb. 28, 1935.

DUXBAC

For Threads and Yarns.
Claims use since Feb. 13, 1935.

Ser. No. 362,513. DU PONT RAYON COMPANY, Buffalo, N. Y. Filed Mar. 14, 1935.

CORDURA

For Viscose Yarns, Threads, and Filaments.
Claims use since Dec. 21, 1934.

Ser. No. 362,580. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Mar. 15, 1935.

FUZETTE

For Woolen, Worsted, Rayon, and Mohair Yarns, and/or Combinations Thereof.
Claims use since December, 1934.

Ser. No. 362,581. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Mar. 15, 1935.



Milady

No claim is made to the word "Yarns" apart from the mark as shown.
For Woolen, Worsted, Rayon, and Mohair Yarns, and/or Combinations Thereof.
Claims use since July 14, 1925.

Ser. No. 362,583. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Mar. 15, 1935.

VELVEEN

For Woolen, Worsted, Rayon, and Mohair Yarns, and/or Combinations Thereof.
Claims use since December, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 357,769. EMANUEL DE TREY, Zurich, Switzerland. Filed Nov. 1, 1934.



Trade-mark consists of the monogram DTB.
For Dental Supplies, viz., Medicament Cements, Synthetic Cements, Amalgame, Gutta Percha, Germicidal Cements, Mummification Cements, Devitalizing Paste, Mummification Paste, and Dental Varnish.
Claims use since April, 1910.

Ser. No. 361,877. AMERICAN HOSPITAL SUPPLY CORPORATION, Chicago, Ill. Filed Feb. 14, 1935.



For Surgical Rubber Goods, Dressings, Surgical Stockings, Surgical Instruments and Needles, Hypodermic Syringes and Needles, Clinical Glass Wire, and Hospital Lamps.
Claims use since June, 1924.

Ser. No. 362,227. HARDY NEWMAN & CO., Chicago, Ill. Filed Mar. 7, 1935.

Hy-pure

No claim is made to the word "pure" apart from the mark as shown.
For Prophylactic Rubber Articles to Prevent the Spread of Contagious Diseases.
Claims use since Jan. 10, 1932.

Ser. No. 362,228. HARDY NEWMAN & CO., Chicago, Ill. Filed Mar. 7, 1935.

3 PIRATES



For Prophylactic Rubber Articles to Prevent the Spread of Contagious Disease.
Claims use since January, 1933.

Ser. No. 363,120. ROSENBLUM AND MCCLUNG, Roanoke, Va. Filed Mar. 28, 1935.

DINAPS

THE SANITARY DISPOSABLE DIAPER

The words "The Sanitary Disposable Diaper" are disclaimed apart from the mark as shown in the drawing.
For Sanitary Disposable Diapers.
Claims use since Feb. 17, 1935.

Ser. No. 363,147. ELIZABETH GOUNAH, doing business as Gounah Company, Houston, Tex. Filed Mar. 28, 1935.

GONADS

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Mar. 5, 1935.

Ser. No. 363,289. MERRILL WOODENWARE COMPANY, Merrill, Wis. Filed Apr. 1, 1935.



Applicant disclaims any exclusive right in the words "Silver Birch" apart from the mark as shown.
For Tooth-Picks.
Claims use since Mar. 23, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 362,237. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn. Filed Mar. 7, 1935.



No claim is made to the word "Mixer". The drawing is lined for red.
For Nonalcoholic, Maltless, Lemon Juice Drink and Syrup for Making the Same.
Claims use since Dec. 1, 1932.

Ser. No. 362,331. JOHN H. WALTERS, doing business as Home Products Co., Kansas City, Mo. Filed Mar. 9, 1935.



No claim is made to the words "Home-Pop" apart from the mark shown.
For Nonalcoholic Maltless Powder for Making Soft Drinks.
Claims use since June 1, 1934.

Ser. No. 362,771. BOWEY'S, INC., Chicago, Ill. Filed Mar 20, 1935.

Dari-O

For Nonalcoholic, Maltless Orange Concentrate for Making Soft Drinks.
Claims use since Mar. 14, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 363,096. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Mar. 28, 1935.

MOR-ADE

For Nonalcoholic, Maltless Powder for Making Soft Drinks.
Claims use since Mar. 11, 1935.

Ser. No. 363,192. WAUKESHA WATERS, INC., Chicago, Ill. Filed Mar. 29, 1935.

Almanaris

For Natural Mineral Water.
Claims use since Nov. 6, 1934.

Ser. No. 363,292. DR. PEPPER BOTTLING CO. OF TAMPA, FLA., Tampa, Fla. Filed Apr. 1, 1935.

Coronada Dry

No claim is made to the word "Dry" apart from the association shown on the drawing.
For Ginger Ale, Carbonated Beverages, and Carbonated Water.
Claims use since July 16, 1934.

Ser. No. 363,436. NATIONAL NUGRAPE CO., Atlanta, Ga. Filed Apr. 5, 1935.

Five ★ Points

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and for Syrups, Extracts, and Concentrates Used in Making the Same.
Claims use since Nov. 15, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 356,543. SCHUCKL & CO., INC., San Francisco, Calif. Filed Sept. 28, 1934.

Cat'n fiddle

For Canned Fruits.
Claims use since Aug. 31, 1934

Ser. No. 356,544. SCHUCKL & CO., INC., San Francisco, Calif. Filed Sept. 28, 1934.



The drawing is lined for red and gold.
For Canned Fruits.
Claims use since Aug. 31, 1934.

Ser. No. 358,620. JOHN E. R. HASBROUCK, New York, N. Y. Filed Nov. 20, 1934.

Lucky FORTUNE

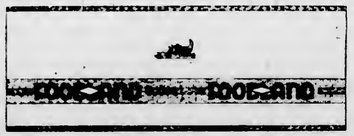
For Chewing Gum.
Claims use since July 2, 1934.

Ser. No. 359,119. BURRY BISCUIT CORPORATION, Chicago, Ill. Filed Dec. 10, 1934.

CREAMY WAY

For Cookies.
Claims use since Dec. 5, 1934.

Ser. No. 361,572. FOODLAND, INC., Cleveland, Ohio. Filed Feb. 19, 1935.



The drawing is lined for gold and yellow.
For Canned Salmon, Canned Fruits and Vegetables, Mustard, Chili Powder, and Spices.
Claims use since August, 1934 on canned salmon; since January, 1934 on canned fruits and vegetables; since December, 1934 on chili powder, mustard, and spices.

Ser. No. 362,371. MAYAH FISH & OYSTER CO., INC., Biloxi, Miss. Filed Mar. 11, 1935.

SILVERCREST

For Canned Shrimp and Canned Oysters.
Claims use since Nov. 16, 1934.

Ser. No. 362,522. MONTANA FLOUR MILLS CO., Great Falls, Mont. Filed Mar. 14, 1935.

ANI-MIN-REL

No claim is made to the name "Min-Rel" apart from the mark shown.
For Stock Feed.
Claims use since May, 1934.

Ser. No. 362,545. EARL V. WISE, doing business as The Wise Delicatessen Company, Berwick, Pa. Filed Mar. 14, 1935.



No claim is made to the words "Potato Chips" unaccompanied by the owl.
For Potato Chips.
Claims use since January, 1935.

Ser. No. 362,559. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Mar. 15, 1935.

HY-MO

For High Moisture Emulsified Agent for Cake Mixtures.
Claims use since Jan. 23, 1935.

Ser. No. 362,689. FREDERICK P. KIEWIT, doing business as Vita Cereal Company, Kansas City, Mo. Filed Mar. 18, 1935.

VITA PUFT

The word "Puft" is disclaimed apart from the mark shown.
For Breakfast Cereal Made by Puffing the Grains of Wheat, Rice, and the Like.
Claims use since Feb. 15, 1935.

Ser. No. 362,751. PATERSON MILK & CREAM CO. INC., Paterson, N. J. Filed Mar. 19, 1935.

Cocoa Marsh

The word "Cocoa" is disclaimed apart from the mark shown.
For Chocolate Food Drink.
Claims use since Oct. 15, 1934.

Ser. No. 362,958. FOSTER & WOOD CANNING COMPANY, Lodi, Calif. Filed Mar. 25, 1935.

DUTCH TREAT

For Canned Fruits, Canned Vegetables.
Claims use since Feb. 25, 1935.

Ser. No. 363,235. LOUIS T. SNOW & COMPANY, San Francisco, Calif. Filed Mar. 30, 1935.

CIRCLE S

For Canned Vegetables.
Claims use since Mar. 16, 1935.

Ser. No. 363,252. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Mar. 29, 1935.

CONSOMATO

For Vegetable Consomme.
Claims use since May. 9, 1935.

Ser. No. 363,285. INDIAN RIVER ASSOCIATES, INC., Vero Beach, Fla. Filed Apr. 1, 1935.

Indian River
AUTOCRAT

For Fresh Citrus Fruits.
Claims use since Dec. 15, 1934.

Ser. No. 363,326. HOLLY HILL FRUIT PRODUCTS, INCORPORATED, Davenport, Fla. Filed Apr. 2, 1935.

NADIA

For Canned Grapefruit, Canned Grapefruit Juice and Fresh Citrus Fruits.
Claims use since Jan. 26, 1935.

CLASS 47

Wines

Ser. No. 352,332. THE SOCIETÀ PER INDUSTRIA GENERI ALIMENTARI "SPIGA" SOCIETÀ ANONIMA, Genoa, Italy. Filed June 6, 1934.

S.P.I.G.A

For Wines.
Claims use since 1931.

Ser. No. 358,789. MAX PEILER, doing business as Rheinberg & Co., Kellerei Schloss Rheinberg, Wiesbaden-Schierstein, Germany. Filed Nov. 30, 1934. Under 10-year proviso.

Rheinberg

For Sparkling Wines and Other Wines.
Claims use since 1894.

Ser. No. 362,291. CALIFORNIA WINERIES AND DISTILLERIES, INC., Oakland, Calif. Filed Mar. 9, 1935.

California Republic

For Wines.
Claims use since Feb. 11, 1935.

Ser. No. 362,349. CITRUS CHAMPAGNES, INC., Jacksonville, Fla. Filed Mar. 11, 1935.

CHAMSEC

For All Types of Still and Sparkling Wines.
Claims use since Jan. 14, 1935.

Ser. No. 362,442. SAN GABRIEL VINEYARD COMPANY, San Gabriel, Calif. Filed Mar. 12, 1935.

OLD
GRAPE VINE

For Wine.
Claims use since Mar. 1, 1935.

Ser. No. 362,453. BERNARD-JULIAN, INCORPORATED, Brooklyn, N. Y. Filed Mar. 13, 1935.

Merrymaker

For Wines.
Claims use since June 7, 1934.

Ser. No. 362,657. AMBROSE & COMPANY, Denver, Colo. Filed Mar. 18, 1935.

Ambrose

For Wine.
Claims use since Dec. 15, 1933.

Ser. No. 362,785. MT. VERNON VINEYARDS, INC., Alexandria, Va. Filed Mar. 20, 1935.

Mt. Vernon

For Wines.
Claims use since Apr. 30, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 357,713. CLOVER LEAF PRODUCTS CO., Los Angeles, Calif. Filed Oct. 31, 1934.

Catalina

For Beer.
Claims use since Sept. 12, 1934.

Ser. No. 360,235. THE NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Jan. 14, 1935.

Point To The Tap

For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since Dec. 31, 1934.

Ser. No. 360,322. THE NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Jan. 16, 1935.

Gansett

For Malt Beverages with Not More Than the Legal Alcoholic Content.
Claims use since June 13, 1913.

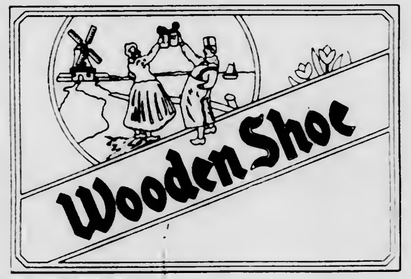
Ser. No. 361,426. LION BREWERY OF NEW YORK CITY, New York, N. Y. Filed Feb. 15, 1935.

~1850~
LION
NEW YORK'S FAMOUS BEER



No claim is made to the words "New York's Famous Beer" and "Columbus Av. 107th to 108th St. New York."
For Beers and Ales.
Claims use since 1850.

Ser No. 363,441. THE STAR BEVERAGE COMPANY, Minster, Ohio. Filed Apr. 5, 1935.



For Beer and Ale.
Claims use since Feb. 21, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 358,331. PROVINCIAL DISTILLERIES LTD., INC., Brooklyn, N. Y. Filed Nov. 17, 1934.

"Auld Petrie"

For Scotch Whiskey.
Claims use since Nov. 8, 1934.

Ser. No. 361,729. DOMINION DISTILLERIES, INC., Jersey City, N. J. Filed Feb. 23, 1935.

Apollo

For Liqueurs—Namely, Alcoholic Cordials.
Claims use since Jan. 29, 1935.

Ser. No. 361,875. CENTURY DISTILLING CO., Peoria, Ill. Filed Feb. 27, 1935.

LAKEVIEW

For Whiskey.
Claims use since Jan. 29, 1935.

Ser. No. 362,685. INTERNATIONAL WINE CELLARS, INC., New York, N. Y. Filed Mar. 18, 1935.

OLD WARRANTY

For Whiskey.
Claims use since Aug. 24, 1934.

Ser. No. 362,945. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.



For Whiskey.
Claims use since Mar. 18, 1935.

Ser. No. 362,947. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.

KENTUCKY JIM

For Whiskey.
Claims use since Mar. 15, 1935.

Ser. No. 362,948. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.



For Whiskey.
Claims use since Mar. 9, 1934.

Ser. No. 362,949. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.

SHADY BROOK

For Whiskey.
Claims use since Mar. 15, 1935.

Ser. No. 362,950. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.



For Gin.
Claims use since Mar. 15, 1935.

Ser. No. 362,951. CORONA CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 25, 1935.



The lining in the drawing is for shading only.
For Whiskey.
Claims use since Mar. 15, 1935.

Ser. No. 362,990. KING DISTRIBUTING COMPANY, Jacksonville, Fla. Filed Mar. 26, 1935.

King's Pride

For Whiskey and Gin.
Claims use since Nov. 15, 1934.

Ser. No. 363,002. MAJESTIC DISTILLING COMPANY, Baltimore, Md. Filed Mar. 26, 1935.

PURPLE HEART



The picture on the drawing is fanciful.
For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since May 21, 1934.

Ser. No. 363,006. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Mar. 26, 1935.

MILLSIDE INN

For Whiskey.
Claims use since July 12, 1934.

Ser. No. 363,034. AUGUST CARL BRINKMAN, doing business as Nevada Distributing Company, San Francisco, Calif. Filed Mar. 27, 1935.

CALNEVA

For Whiskey.
Claims use since Feb. 5, 1935.

Ser. No. 363,035. AUGUST CARL BRINKMAN, doing business as Nevada Distributing Company, San Francisco, Calif. Filed Mar. 27, 1935.

Golden Spike

For Whiskey.
Claims use since Feb. 5, 1935.

Ser. No. 363,097. HASCO TRADING CORPORATION, New York, N. Y. Filed Mar. 28, 1935.

HASCO

For Rum.
Claims use since 1927.

Ser. No. 363,098. HASCO TRADING CORPORATION, New York, N. Y. Filed Mar. 28, 1935.



For Rum.
Claims use since 1927.

Ser. No. 363,107. RUDOLPH LISKA, doing business as R. Liska & Sons, Chicago, Ill. Filed Mar. 28, 1935.

Kentucky Inn

For Whiskies.
Claims use since Mar. 28, 1935.

Ser. No. 363,133. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Mar. 28, 1935.

ROBERT FULTON

For Whiskey and Gin.
Claims use since Mar. 1, 1935.

Ser. No. 363,250. CHAS. A. ZAHN CO., Chicago, Ill. Filed Mar. 30, 1935.



For Whiskey.
Claims use since May, 1893.

Ser. No. 363,265. PHILIP BLUM & CO., INC., Chicago, Ill. Filed Apr. 1, 1935.

MAIN STREET

For Whiskey.
Claims use since Mar. 28, 1935.

Ser. No. 363,266. PHILIP BLUM & CO., INC., Chicago, Ill. Filed Apr. 1, 1935.

OLD DESIRABLE

For Whiskey.
Claims use since Mar. 28, 1935.

Ser. No. 363,277. ELLENA BROS., Cucamonga and Etiwanda, Calif. Filed Apr. 1, 1935.

REGINA

For Gin, Brandy, and Whiskey.
Claims use since Mar. 25, 1935.

Ser. No. 363,339. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 2, 1935.

Czar Nicholas

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 8, 1935.

Ser. No. 363,340. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 2, 1935.

Flying Yankee

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 8, 1935.

Ser. No. 363,341. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 2, 1935.

SILVER ROCK

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 8, 1935.

Ser. No. 363,342. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 2, 1935.

WHITE ROCK

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 8, 1935.

Ser. No. 363,352. THE YORKSHIRE DISTILLERS, INC., Amston, Conn. Filed Apr. 2, 1935.

Dickens

The drawing is lined for red.
For Gin.
Claims use since Mar. 4, 1935.

Ser. No. 363,380. BARDSTOWN DISTILLERY, INC., Bardstown, Ky. Filed Apr. 4, 1935.

STEPHEN FOSTER

For Whiskey.
Claims use since Jan. 17, 1935.

Ser. No. 363,396. F. H. JACKMAN CO., Boston, Mass. Filed Apr. 4, 1935.

BLUE SASH

For Whiskey.
Claims use since June 22, 1934.

Ser. No. 363,420. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky. Filed Apr. 5, 1935.

PENWICK

For Whiskey.
Claims use since 1892.

Ser. No. 363,426. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Apr. 5, 1935.

Overland

For Whiskey, Gin, Brandy, Alcoholic Cordials, and Liqueurs.
Claims use since Apr. 26, 1934.

Ser. No. 363,514. ADOLPH NEURAD, New York, N. Y. Filed Apr. 8, 1935.

WHITE ROCK

For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Aug. 1, 1903.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 358,764. COMPTON & SONS LITHOGRAPHING & PRINTING COMPANY, St. Louis, Mo. Filed Nov. 30, 1934.

TUFF-INE

The words "Strong As Rope," "Tuff," and "Weather Proof" are disclaimed apart from the mark as shown in the drawing.
For Non-Electric Display Signs.
Claims use since Oct. 27, 1934.

Ser. No. 360,029. GENERAL FELT PRODUCTS, INC., New York and Brooklyn, N. Y. Filed Jan. 8, 1935.

PANASEAL

For Liners for Receptacle Closures.
Claims use since Oct. 30, 1934.

Ser. No. 362,806. CROWN CORK & COMPANY, INC., Baltimore, Md. Filed Mar. 21, 1935.

CROWN

For Bottle Closures (Other Than the Specific Type Conventionally Termed Crown Caps)—Namely, Screw Caps, Lug Caps, and Friction Caps.
Claims use since Aug. 1, 1928.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 14, 1935

324,092. APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS, UNDERSHIRTS, UNDERWEAR, HOSIERY, GLOVES MADE WHOLLY OR IN PART OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF, SHOES MADE WHOLLY OR IN PART OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF, AND HATS MADE WHOLLY OR IN PART OF FELT, FABRIC, OR STRAW, OR COMBINATIONS THEREOF. LARRY J. MARGULIES, New York, N. Y.
Filed October 22, 1934. Serial No. 357,379. PUBLISHED JANUARY 15, 1935. Class 39.

324,093. APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS; UNDER SHIRTS, UNDERWEAR, HOSIERY, GLOVES MADE WHOLLY OR IN PART OF LEATHER OR FABRIC OR COMBINATIONS THEREOF, AND HATS MADE WHOLLY OR IN PART OF FELT, FABRIC, OR STRAW, OR COMBINATIONS THEREOF. LARRY J. MARGULIES, New York, N. Y.
Filed October 22, 1934. Serial No. 357,380. PUBLISHED JANUARY 8, 1935. Class 39.

324,094. HAIRPINS AND BOBBY PINS. SCOLDING LOCKS CORPORATION, Appleton, Wis.
Filed October 22, 1934. Serial No. 357,396. PUBLISHED JANUARY 8, 1935. Class 40.

324,095. HATS AND HAT BODIES OF STRAW, SYNTHETIC STRAW, FUR FELT, AND WOOL FELT FOR WOMEN AND CHILDREN. HENRY POLLAK, INC., New York, N. Y.
Filed October 26, 1934. Serial No. 357,563. PUBLISHED JANUARY 22, 1935. Class 39.

324,096. SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THESE MATERIALS FOR MEN, WOMEN, AND CHILDREN. MAX DEUTSCH, New York, N. Y.
Filed October 27, 1934. Serial No. 357,592. PUBLISHED JANUARY 15, 1935. Class 39.

324,097. CORSETS. KABO CORSET COMPANY, Chicago, Ill.
Filed October 29, 1934. Serial No. 357,636. PUBLISHED MARCH 5, 1935. Class 39.

324,098. BLANKETS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 30, 1934. Serial No. 357,679. PUBLISHED JANUARY 1, 1935. Class 42.

324,099. HAIR BANDEAUX. ELIZABETH ARDEN, INC., New York, N. Y.
Filed October 31, 1934. Serial No. 357,703. PUBLISHED JANUARY 1, 1935. Class 40.

324,100. WOVEN AND TEXTILE RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 2, 1934. Serial No. 357,811. PUBLISHED JANUARY 8, 1935. Class 42.

324,101. WOVEN AND TEXTILE RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 2, 1934. Serial No. 357,812. PUBLISHED JANUARY 8, 1935. Class 42.

324,102. KNITTED PIECE GOODS MADE OF A COMBINATION OF COTTON, RAYON, AND MOHAIR. JOSEF KNITTED FABRICS COMPANY, INC., New York, N. Y.
Filed November 2, 1934. Serial No. 357,822. PUBLISHED JANUARY 8, 1935. Class 42.

324,103. PERFUME EXTRACTS. LES PARFUMS MARLY, INC., New York, N. Y.
Filed November 2, 1934. Serial No. 357,824. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,104. WHISKEY, GIN, AND BRANDY. SCOTTISH IMPORTING CORP., Kansas City, Mo.
Filed November 2, 1934. Serial No. 357,840. PUBLISHED MARCH 5, 1935. Class 49.

324,105. PAPER, MORE PARTICULARLY, A RUBBER IMPREGNATED PYROXYLIN COATED PAPER ADAPTED FOR USE AS AN ARTIFICIAL LEATHER. ATHOL MANUFACTURING COMPANY, Athol, Mass.
Filed November 3, 1934. Serial No. 357,850. PUBLISHED MARCH 5, 1935. Class 50.

324,106. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed November 6, 1934. Serial No. 357,935. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,107. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed November 6, 1934. Serial No. 357,936. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,108. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed November 6, 1934. Serial No. 357,937. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,109. LADIES', MISSES', CHILDREN'S, AND BOYS' HATS. BEST & CO., INC., New York, N. Y.
Filed November 6, 1934. Serial No. 357,940. PUBLISHED JANUARY 15, 1935. Class 39.

324,110. MILLINERY—NAMELY, LADIES' HATS. NEW ERA HATS, INC., New York, N. Y.
Filed November 6, 1934. Serial No. 357,959. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,111. BOLTING CLOTH AND STENCIL CLOTH. SCHWEIZERISCHE SEIDENGAZEFABRIK A. G., Zurich, Switzerland.
Filed November 6, 1934. Serial No. 357,962. PUBLISHED JANUARY 8, 1935. Class 42.

324,112. DEVICES FOR TESTING THE HARDNESS OF THE SURFACE OF MATERIAL. STOWE & WOODWARD COMPANY, Newton Upper Falls, Mass.
Filed November 19, 1934. Serial No. 358,394. PUBLISHED MARCH 5, 1935. Class 26.

324,113. BATHING SUITS, SHOWER CAPES, AND RUBBER GLOVES FOR HOUSEHOLD AND GENERAL INDUSTRIAL USE. THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn.
Filed November 7, 1934. Serial No. 357,995. PUBLISHED JANUARY 8, 1935. Class 39.

324,114. SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF THESE MATERIALS. A. FREEDMAN & SONS, INC., Brockton, Mass.
Filed November 20, 1934. Serial No. 358,432. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,115. YARNS OF WOOL, WORSTED, OR HAIR. PATONS & BALDWINS, LIMITED, Halifax, England.
Filed November 20, 1934. Serial No. 358,445. PUBLISHED JANUARY 29, 1935. Class 43.

324,116. LUBRICATING OILS. STANCO INCORPORATED, New York, N. Y.
Filed November 20, 1934. Serial No. 358,454. PUBLISHED MARCH 5, 1935. Class 15.

324,117. BROAD ELASTIC SHOE FABRICS. CARL STOHN, INC., Boston, Mass.
Filed November 20, 1934. Serial No. 358,458. PUBLISHED FEBRUARY 5, 1935. Class 42.

324,118. GENERAL MEDICAL AND SURGICAL APPLIANCES, APPLIED TO ALL TYPES OF EQUIPMENT USED IN HOSPITALS WITH THE EXCEPTION OF FOOD, DRUGS, AND LINENS, AND INCLUDING HOT WATER BOTTLES, ICE CAPS, HEATING PADS, CATHETERS, ETC. THE BURROWS COMPANY, Chicago, Ill.
Filed November 21, 1934. Serial No. 358,469. PUBLISHED MARCH 5, 1935. Class 44.

324,119. FRESH CITRUS FRUITS. THE S. A. GERRARD CO., Cincinnati, Ohio.
Filed November 21, 1934. Serial No. 358,478. PUBLISHED MARCH 5, 1935. Class 46.

324,120. MEN'S, WOMEN'S, BOYS', GIRLS', AND CHILDREN'S KNITTED OUTER WEAR—NAMELY, SWEATERS, JACKETS, CAPS, AND DRESSES. NEW YORK KNITTING MILLS, INC., New York, N. Y.
Filed November 21, 1934. Serial No. 358,490. PUBLISHED JANUARY 15, 1935. Class 39.

324,121. WOMEN'S AND MISSES' DRESSES. JACK SAXE DRESS CORPORATION, Boston, Mass.
Filed November 21, 1934. Serial No. 358,502. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,122. HAIR GOODS—NAMELY, HAIR BRAIDS, HAIR BANDS, TRANSFORMATIONS, CLUSTERS, AND CURLS. AMERICAN YVETTE COMPANY, INC., New York, N. Y.
Filed November 23, 1934. Serial No. 358,544. PUBLISHED FEBRUARY 5, 1935. Class 40.

324,123. BLANKET BINDINGS. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C.
Filed November 23, 1934. Serial No. 358,549. PUBLISHED FEBRUARY 5, 1935. Class 40.

324,124. SOCKS, MEN'S UNION SUITS, UNDERSHIRTS, UNDERDRAWERS, DRESS AND NEGLIGEE SHIRTS, NECKTIES, COLLARS, MEN'S HATS AND CAPS, LEATHER AND FABRIC GLOVES, MEN'S SUITS, SWEATERS, OVERCOATS, RAINCOATS, MUFFLERS, PAJAMAS, BATH AND LOUNGING ROBES AND BATHING SUITS. JOHN DAVID, New York, N. Y.
Filed November 24, 1934. Serial No. 358,584. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,125. ELECTRIC COMBS. C. GUNNAR LINDHOLM, doing business as G. Lindholm Co., Brooklyn, N. Y.
Filed November 24, 1934. Serial No. 358,598. PUBLISHED FEBRUARY 5, 1935. Class 40.

324,126. BUTTONS OF A CASEIN BASE OR SIMILAR MATERIAL. ROCHESTER BUTTON COMPANY, Rochester, N. Y.
Filed November 24, 1934. Serial No. 358,613. PUBLISHED FEBRUARY 26, 1935. Class 40.

324,127. MILLINERY, AND PARTICULARLY WOMEN'S AND MISSES' HATS. GOLDBERG MILLINERY COMPANY, Dallas, Tex.
Filed November 26, 1934. Serial No. 358,642. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,128. SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN MADE OUT OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed November 26, 1934. Serial No. 358,657. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,129. SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN MADE OUT OF LEATHER, FABRIC, AND COMBINATIONS, THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed November 26, 1934. Serial No. 358,658. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,130. SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN MADE OUT OF LEATHER, FABRIC, AND COMBINATIONS, THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed November 26, 1934. Serial No. 358,660. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,131. WOMEN'S, MISSES', AND CHILDREN'S ARTICLES OF CLOTHING AS FOLLOWS: HATS AND CAPS; GLOVES OF WOOL, LEATHER, SILK AND FABRIC; SCARFS OF SILK, WOOL, RAYON, LINEN AND COTTON, ETC. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed January 8, 1935. Serial No. 360,021. PUBLISHED MARCH 5, 1935. Class 39.

324,132. LADIES' DRESSES AND JACKETS. CLEO COSTUME CO., INC., New York, N. Y.
Filed January 8, 1935. Serial No. 360,026. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,133. WHISKEY. THE HAMBURGER COMPANY, Chicago, Ill.
Filed January 25, 1935. Serial No. 360,668. PUBLISHED MARCH 5, 1935. Class 49.

324,134. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE LIMESTONE DISTILLERY, INCORPORATED, Cincinnati, Ohio.
Filed January 25, 1935. Serial No. 360,674. PUBLISHED MARCH 5, 1935. Class 49.

324,135. WHISKEY. SPRING GROVE DISTILLING CO., INCORPORATED, Chicago, Ill.
Filed January 25, 1935. Serial No. 360,689. PUBLISHED MARCH 5, 1935. Class 49.

324,136. GIN. SONTAG CHAIN STORES CO. LTD., Los Angeles, Calif.
Filed January 26, 1935. Serial No. 360,734. PUBLISHED MARCH 5, 1935. Class 49.

324,137. WHISKEY. SPRING GROVE DISTILLING CO., INCORPORATED, Chicago, Ill.
Filed January 25, 1935. Serial No. 360,690. PUBLISHED MARCH 5, 1935. Class 49.

324,138. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. GENERAL DISTILLERIES CORP., Hartford, Conn.
Filed January 28, 1935. Serial No. 360,770. PUBLISHED MARCH 5, 1935. Class 49.

324,139. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. GENERAL DISTILLERIES CORP., Hartford, Conn.
Filed January 28, 1935. Serial No. 360,769. PUBLISHED MARCH 5, 1935. Class 49.

324,140. BRASSIÈRES AND BUST BODICES. THE CHARNAUX PATENT CORSET COMPANY LIMITED, London, England.
Filed November 8, 1934. Serial No. 358,008. PUBLISHED JANUARY 15, 1935. Class 39.

324,141. WEARING APPAREL—NAMELY, HATS FOR MEN, WOMEN, AND CHILDREN, AND COATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed November 12, 1934. Serial No. 358,137. PUBLISHED JANUARY 8, 1935. Class 39.

324,142. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER AND SONS INC., Long Island City, N. Y.
Filed November 12, 1934. Serial No. 358,145. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,143. GASOLINE. CHARLES W. SODERSTROM, doing business as Native State Oil Co., Los Angeles, Calif., assignor to Native State Oil Company, Los Angeles, Calif., a corporation of California.
Filed November 12, 1934. Serial No. 358,157. PUBLISHED FEBRUARY 26, 1935. Class 15.

324,144. WOMEN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF THESE MATERIALS. THING'S SHOE STORES, INC., Boston, Mass.
Filed November 12, 1934. Serial No. 358,165. PUBLISHED JANUARY 15, 1935. Class 39.

324,145. LADIES' LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC SHOES. DIANA SHOE CORP., New York, N. Y.
Filed November 15, 1934. Serial No. 358,172. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,146. CIGARS. THE CANAVA CIGAR COMPANY, Chicago, Ill.
Filed November 13, 1934. Serial No. 358,174. PUBLISHED MARCH 5, 1935. Class 17.

324,147. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE KAHLER SHOE CO., INC., New York, N. Y., assignor to Orthopedic Shoes Inc., New York, N. Y., a corporation of Delaware.
Filed November 13, 1934. Serial No. 358,183. PUBLISHED MARCH 5, 1935. Class 39.

324,148. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SKIRTS FOR OUTER WEAR, HATS, KNITTED COATS, SUITS, LEATHER AND FABRIC GLOVES, SCARFS, SWEATERS, HOSIERY, AND UNDERWEAR. THE EMPIRE IMPORTS, New York, N. Y.
Filed November 15, 1934. Serial No. 358,241. PUBLISHED JANUARY 15, 1935. Class 39.

324,149. BOOTS, SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, CLOTH, AND/OR COMBINATIONS THEREOF. THE SHERMAN BROS. MFG. CO., South Norwalk, Conn.
Filed November 17, 1934. Serial No. 358,338. PUBLISHED JANUARY 15, 1935. Class 39.

324,150. SLIPPERS MADE OF SHEEPSKIN. THE MONDL MANUFACTURING COMPANY, Oshkosh, Wis.
Filed November 17, 1934. Serial No. 358,349. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,151. PIECE GOODS MADE OF COTTON, LINEN, WOOL, AND SYNTHETIC FIBRES, OR A COMBINATION OF ANY OF THESE FIBRES. N. ERLANGER, BLUMGART & CO., INC., New York, N. Y.
Filed November 19, 1934. Serial No. 358,364. PUBLISHED JANUARY 29, 1935. Class 42.

324,152. MEN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 19, 1934. Serial No. 358,389. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,153. HAND LOTIONS. ELWOOD J. GOODIER, doing business as Universal Laboratories, Dallas, Tex.
Filed June 1, 1933. Serial No. 338,411. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,154. BELT BUCKLES NOT OF PRECIOUS METAL. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed August 18, 1933. Serial No. 340,785. PUBLISHED JANUARY 22, 1935. Class 40.

324,155. PATCHING PLASTER FOR WALLS. RUTLAND FIRE CLAY COMPANY, Rutland, Vt.
Filed September 8, 1933. Serial No. 341,440. PUBLISHED MARCH 5, 1935. Class 12.

324,156. PATCHING PLASTER FOR WALLS. RUTLAND FIRE CLAY COMPANY, Rutland, Vt.
Filed September 8, 1933. Serial No. 341,441. PUBLISHED MARCH 5, 1935. Class 12.

324,157. WHISKEY. BRUNSWIG DRUG CO., Los Angeles, Calif.
Filed January 21, 1935. Serial No. 360,456. PUBLISHED MARCH 5, 1935. Class 49.

324,158. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y.
Filed January 19, 1935. Serial No. 360,445. PUBLISHED MARCH 5, 1935. Class 28.

324,159. BRAKE LINING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 19, 1935. Serial No. 360,443. PUBLISHED MARCH 5, 1935. Class 35.

324,160. CLOCKS. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn.
Filed January 19, 1935. Serial No. 360,441. PUBLISHED MARCH 5, 1935. Class 27.

324,161. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed January 19, 1935. Serial No. 360,427. PUBLISHED MARCH 5, 1935. Class 49.

324,162. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass.
Filed January 18, 1935. Serial No. 360,409. PUBLISHED MARCH 5, 1935. Class 35.

324,163. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 18, 1935. Serial No. 360,401. PUBLISHED MARCH 5, 1935. Class 49.

324,164. ASPHALT ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 17, 1935. Serial No. 360,383. PUBLISHED MARCH 5, 1935. Class 12.

324,165. BITUMINOUS ROOFING, SHINGLES, AND CEMENT. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 17, 1935. Serial No. 360,377. PUBLISHED MARCH 5, 1935. Class 12.

324,166. FIELD, GARDEN, AND LAWN SEEDS. FARM SERVICE STORES, INC., Minneapolis, Minn.
Filed January 17, 1935. Serial No. 360,348. PUBLISHED MARCH 5, 1935. Class 1.

324,167. GLASS TILES. THE CINCINNATI ADVERTISING PRODUCTS COMPANY, Cincinnati, Ohio.
Filed January 17, 1935. Serial No. 360,344. PUBLISHED MARCH 5, 1935. Class 12.

324,168. SEAT PADS AND COVERS. AMERICAN COVER CORPORATION, St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,338. PUBLISHED MARCH 5, 1935. Class 32.

324,169. SEAT PADS AND COVERS. AMERICAN COVER CORPORATION, St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,337. PUBLISHED MARCH 5, 1935. Class 32.

324,170. SEAT PADS AND COVERS. AMERICAN COVER CORPORATION, St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,336. PUBLISHED MARCH 5, 1935. Class 32.

324,171. SEAT PADS AND COVERS. AMERICAN COVER CORPORATION, St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,335. PUBLISHED MARCH 5, 1935. Class 32.

324,172. SEAT PADS AND COVERS. AMERICAN COVER CORPORATION, St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,334. PUBLISHED MARCH 5, 1935. Class 32.

324,173. WHISKEY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,314. PUBLISHED MARCH 5, 1935. Class 49.

324,174. WHISKEY. M. S. GRIFFLER IMPORT CO., INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,312. PUBLISHED MARCH 5, 1935. Class 49.

324,175. TOBACCO POUCHES. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y.
Filed January 15, 1935. Serial No. 360,302. PUBLISHED MARCH 5, 1935. Class 8.

324,176. WHISKEY. MARYLAND WINE & SPIRITS CORPORATION, Baltimore, Md.
Filed January 15, 1935. Serial No. 360,288. PUBLISHED MARCH 5, 1935. Class 49.

324,177. CHILDREN'S APPAREL—NAMELY, SWEATERS, SNOW SUITS, UNDERWEAR, HOSIERY, WOOLEN GLOVES, AND HATS. THE HECHT CO., doing business as The Hub, and Hecht Bros., Washington, D. C., and Baltimore, Md.
Filed October 22, 1934. Serial No. 357,373. PUBLISHED MARCH 5, 1935. Class 39.

324,178. INDIVIDUAL PLANT IN THE NATURE OF A COLLAPSIBLE RECEPTACLE FOR USE IN FUMIGATING AND DEVERMINIZING. HARRY J. KERLIN, Altoona, Pa.
Filed October 18, 1934. Serial No. 357,320. PUBLISHED MARCH 5, 1935. Class 50.

324,179. LEATHER BOOTS AND SHOES. J. K. ORR SHOE COMPANY, Atlanta, Ga.
Filed October 18, 1934. Serial No. 357,254. PUBLISHED JANUARY 15, 1935. Class 39.

324,180. MEN'S, WOMEN'S AND CHILDREN'S CLOTHING—NAMELY, WATER REPELLANT COATS, DRESS, NEGLIGEE AND WORK SHIRTS, PLAYSUITS, AND SWEATERS. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed October 17, 1934. Serial No. 357,203. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,181. ATHLETIC SHOES AND MORE PARTICULARLY SHOES OF THE FOLLOWING TYPES: FOOTBALL, BASEBALL, TRACK, BASKETBALL, GYM, HANDBALL, SNEAKERS, JUMPING, FIELD, CREW, BOWLING, BOXING, SKATING, WRESTLING, TENNIS, GOLF, SOCCER, SOFTBALL, AND BICYCLE. WITCHELL-SHEILL CO., Chicago, Ill.
Filed October 15, 1934. Serial No. 357,163. PUBLISHED JANUARY 22, 1935. Class 39.

324,182. LADIES' HATS. ROTHLAN HATS, INC., New York, N. Y.
Filed October 12, 1934. Serial No. 357,060. PUBLISHED JANUARY 15, 1935. Class 39.

324,183. RUBBER HEELS. THE O'SULLIVAN RUBBER CO., INC., Winchester, Va.
Filed October 12, 1934. Serial No. 357,058. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,184. PIECE GOODS, EXCEPT CURTAIN MATERIAL, MADE OF EITHER COTTON, WOOL, WORSTED, RAYON, OR SILK. W. F. STALP CO., INC., New York, N. Y.
Filed October 11, 1934. Serial No. 357,024. PUBLISHED JANUARY 15, 1935. Class 42.

324,185. MEN'S CLOTHING—NAMELY, BELTS, BATHING SUITS, COATS, GARTERS, LEATHER AND FABRIC GLOVES, HOSIERY, JACKETS, MUFFLERS, PAJAMAS, LOUNGING ROBES, SUSPENDERS, SWEATERS, SPATS, LEATHER SHOES, NECKTIES, AND UNDERWEAR. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed October 11, 1934. Serial No. 357,014. PUBLISHED JANUARY 22, 1935. Class 39.

324,186. WHISKEY. MARYLAND WINE & SPIRITS CORPORATION, Baltimore, Md.
Filed January 15, 1935. Serial No. 360,287. PUBLISHED MARCH 5, 1935. Class 49.

324,187. WHISKEY. THE WEIDEMAN CO., Cleveland, Ohio.
Filed January 14, 1935. Serial No. 360,256. PUBLISHED MARCH 5, 1935. Class 49.

324,188. BACON. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed January 14, 1935. Serial No. 360,241. PUBLISHED MARCH 5, 1935. Class 46.

324,189. RYE WHISKEY. MARVIN AND SNEAD, INC., New York, N. Y.
Filed January 14, 1935. Serial No. 360,232. PUBLISHED MARCH 5, 1935. Class 49.

324,190. SYNTHETIC OIL FOR USE IN PAINTS, VARNISHES, ENAMELS, LACQUERS, AND THE LIKE. BECK, KOLLER & CO., INC., Detroit, Mich.
Filed January 14, 1935. Serial No. 360,201. PUBLISHED FEBRUARY 19, 1935. Class 16.

324,191. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed January 14, 1935. Serial No. 360,196. PUBLISHED MARCH 5, 1935. Class 49.

324,192. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed January 14, 1935. Serial No. 360,195. PUBLISHED MARCH 5, 1935. Class 49.

324,193. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed January 14, 1935. Serial No. 360,194. PUBLISHED MARCH 5, 1935. Class 49.

324,194. WHISKEY, BRANDY, GIN, RUM AND ALCOHOLIC CORDIALS. E. KAHN & CO., INC., Baltimore, Md.
Filed January 12, 1935. Serial No. 360,176. PUBLISHED MARCH 5, 1935. Class 49.

324,195. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. NATHAN N. WALLACK, doing business as Star Liquor Co., Washington, D. C.
Filed January 11, 1935. Serial No. 360,153. PUBLISHED MARCH 5, 1935. Class 49.

324,196. LADIES' BRASSIÈRES, NIGHTGOWNS, SLIPS, VESTS, SHIRTS, GARTERS, GARTER BELTS, GIRDLES, AND CORSETS. RENEE OF HOLLYWOOD, Los Angeles, Calif.
Filed January 8, 1935. Serial No. 360,044. PUBLISHED MARCH 5, 1935. Class 39.

324,197. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed January 19, 1933. Serial No. 334,112. PUBLISHED SEPTEMBER 26, 1933. Class 37.

324,198. SHOES AND SLIPPERS FOR MEN, WOMEN AND CHILDREN MADE OUT OF LEATHER, FABRIC AND COMBINATIONS THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed November 26, 1934. Serial No. 358,663. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,199. SHOES AND SLIPPERS FOR MEN, WOMEN AND CHILDREN MADE OUT OF LEATHER, FABRIC AND COMBINATIONS THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed November 26, 1934. Serial No. 358,661. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,200. WOVEN AND KNITTED FABRICS OF WOOL, COTTON, SILK, RAYON, OR MIXTURES OF THESE MATERIALS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed November 27, 1934. Serial No. 358,667. PUBLISHED FEBRUARY 19, 1935. Class 42.

324,201. INSECTICIDES, FUNGICIDES, FUMIGANTS, DISINFECTANTS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed November 28, 1934. Serial No. 358,746. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,202. INSECTICIDES, FUNGICIDES, FUMIGANTS, DISINFECTANTS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed November 28, 1934. Serial No. 358,747. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,203. WOMEN'S, MEN'S AND CHILDREN'S RUBBER AND RUBBER AND FABRIC GALOSHES AND ARCTICS. R. H. MACY & CO., INC., New York, N. Y.
Filed November 30, 1934. Serial No. 358,777. PUBLISHED MARCH 5, 1935. Class 39.

324,204. MEN'S COATS AND SUITS; LADIES', MISSES' AND CHILDREN'S COATS, SUITS, DRESSES, BLOUSES, AND HATS; BATHING SUITS, PAJAMAS, BEACH ROBES, NEGLIGEES, UNDERWEAR FOR MEN, WOMEN AND CHILDREN, DRESS AND SPORT SHIRTS AND SHOES MADE OF SUEDE, FABRIC, LEATHER OR COMBINATIONS OF THESE MATERIALS. NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y.
Filed November 30, 1934. Serial No. 358,781. PUBLISHED MARCH 5, 1935. Class 39.

324,205. BOOTS AND SHOES CONSTRUCTED OF LEATHER AND/OR FABRIC. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed December 1, 1934. Serial No. 358,815. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,206. JEWELRY WRISTLETS. JOSEPH GRANAT, doing business as Granat Bros., San Francisco, Calif.
Filed December 4, 1934. Serial No. 358,877. PUBLISHED FEBRUARY 26, 1935. Class 28.

324,207. HOSIERY AND KNITTED UNDERWEAR FOR MEN, WOMEN AND CHILDREN. MANDEL & COHEN, New York, N. Y.

Filed December 4, 1934. Serial No. 358,886. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,208. COTTON SHEETS AND PILLOWCASES. McGREEVEY, WERRING & HOWELL, INC., New York, N. Y.

Filed December 4, 1934. Serial No. 358,887. PUBLISHED FEBRUARY 5, 1935. Class 42.

324,209. MEN'S, WOMEN'S AND CHILDREN'S BOOTS, SHOES, SLIPPERS AND SANDALS MADE OF LEATHER OR FABRIC OR COMBINATIONS OF BOTH. M. KATZ, INC., New York, N. Y.

Filed December 5, 1934. Serial No. 358,983. PUBLISHED MARCH 5, 1935. Class 39.

324,210. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.

Filed December 6, 1934. Serial No. 358,985. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,211. INSULATING COVERINGS FOR PIPES AND MORE SPECIFICALLY PIPES FOR THE TRANSMISSION OF HOT OR COLD FLUID SUCH AS WATER OR STEAM PIPES, THE INSULATING COVERINGS COMPRISING ASBESTOS OR A MATERIAL SIMULATING ASBESTOS IN ONE OR MORE THICKNESSES EITHER ENCLOSED OR NOT ENCLOSED IN A JACKET OF CANVAS OR A CANVAS-LIKE MATERIAL. J. OZUROVICH INC., New York, N. Y.

Filed December 5, 1934. Serial No. 358,945. PUBLISHED MARCH 5, 1935. Class 12.

324,212. KNITTED SWEATERS OF WOOL, COTTON OR RAYON AND/OR COMBINATIONS THEREOF, SWEAT SHIRTS, BASEBALL AND TRACK UNIFORMS, FOOTBALL UNIFORMS, SWIMMING SUITS, CAPS, HATS, SUITS, JACKETS, COATS, SHOES AND GLOVES MADE OF LEATHER, RUBBER, FABRIC AND/OR COMBINATIONS THEREOF, STOCKINGS, AND SOCKS, NECKTIES AND UNDER AND DRESS SHIRTS FOR MEN AND BOYS. HAM FISHER, New York, N. Y.

Filed December 14, 1934. Serial No. 359,302. PUBLISHED MARCH 5, 1935. Class 39.

324,213. COTTON AND MIXED COTTON, SILK, WOOL, AND RAYON FABRICS IN THE PIECE. CLARENCE S. BROWN & COMPANY, INC., New York, N. Y.

Filed December 14, 1934. Serial No. 359,294. PUBLISHED MARCH 5, 1935. Class 42.

324,214. TEXTILE LOOM REEDS, LUG STRAPS AND CHECK STRAPS, JACK STRAPS, DOBBY STRAPS, BOX BACK STRAPS, AND GROOVE STRAPS USED ON LOOMS. HUGO E. SCHMIDT, doing business as Schmidt Loom Reed Works, New Bedford, Mass.

Filed December 13, 1934. Serial No. 359,281. PUBLISHED MARCH 5, 1935. Class 23.

324,215. GRAPEFRUIT JUICE AND BLENDED ORANGE AND GRAPEFRUIT JUICE FOR FOOD PURPOSES AND INCIDENTALLY USED AS AN ADJUNCT IN THE MIXING OF BEVERAGES. FLORIDA FRUIT CANNERS, INC., Frostproof, Fla.

Filed December 13, 1934. Serial No. 359,273. PUBLISHED MARCH 5, 1935. Class 46.

324,216. MEN'S OVERCOATS. NATHAN HOLLANDER, New York, N. Y.

Filed December 10, 1934. Serial No. 359,254. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,217. BRASSIÈRES, BANDEAUX, CORSETS, AND CORSELETTES. MODERN YOUTH BRASSIERE CO., New York, N. Y.

Filed December 12, 1934. Serial No. 359,235. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,218. HANDKERCHIEFS. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y.

Filed December 12, 1934. Serial No. 359,224. PUBLISHED MARCH 5, 1935. Class 42.

324,219. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE HOPKINS COMPANY, Baltimore, Md., assignor to Maryland Distillers Products Corporation, Baltimore, Md., a corporation of Maryland.

Filed December 12, 1934. Serial No. 359,223. PUBLISHED MARCH 5, 1935. Class 49.

324,220. FLOWER AND VEGETABLE SEEDS. BOMBERGER SEED COMPANY, LTD., Berkeley, Calif.

Filed December 12, 1934. Serial No. 359,199. PUBLISHED MARCH 5, 1935. Class 1.

324,221. WOMEN'S UNDERWEAR—NAMELY, SLIPS, CHEMISES, STEP-IN PANTIES, BRASSIÈRES, GIRDLES, CORSETS, CORSELETS, NIGHTGOWNS AND PAJAMAS. SUSSBERG & FEINBERG, INC., New York, N. Y.

Filed December 11, 1934. Serial No. 359,188. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,222. CLOTH IN THE PIECE OF COTTON, SILK, LINEN, OR RAYON, AND/OR COMBINATIONS THEREOF, PARTICULARLY SUITABLE FOR CURTAINS. QUEEN VALLEY FABRICS, INC., Valley Falls, R. I.

Filed December 11, 1934. Serial No. 359,183. PUBLISHED MARCH 5, 1935. Class 42.

324,223. TEXTILE CURTAINS AND WINDOW SHADE CLOTH, AND LACE CURTAINS. QUEEN VALLEY FABRICS, INC., Valley Falls, R. I.

Filed December 11, 1934. Serial No. 359,182. PUBLISHED MARCH 5, 1935. Class 42.

324,224. KNITTING PINS FOR HAND USE. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed December 10, 1934. Serial No. 359,156. PUBLISHED FEBRUARY 26, 1935. Class 40.

324,225. RUM. SOCIETE ANONYME COLONIALE ERNEST LAMBERT & CIE., Neuilly-sur-Seine, France.

Filed December 10, 1934. Serial No. 359,150. PUBLISHED MARCH 5, 1935. Class 49.

324,226. KNITTED, NETTED, OR WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, POLO SHIRTS, SWEATERS, BATHING SUITS, ATHLETIC SHIRTS AND SHORTS USED FOR UNDERWEAR PURPOSES. WILLIAM H. SHELP & COMPANY, doing business as Wm. H. Shelp & Co., New York, N. Y.

Filed December 10, 1934. Serial No. 359,149. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,227. KNITTED, NETTED OR WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, POLO SHIRTS, SWEATERS, BATHING SUITS, ATHLETIC SHIRTS AND SHORTS USED FOR UNDERWEAR PURPOSES. WILLIAM H. SHELP & COMPANY, doing business as Wm. H. Shelp & Co., New York, N. Y.

Filed December 10, 1934. Serial No. 359,148. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,228. CLOSURE CAPS AND OPENERS THEREFOR. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y.

Filed December 10, 1934. Serial No. 359,107. PUBLISHED FEBRUARY 5, 1935. Class 50.

324,229. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.

Filed December 8, 1934. Serial No. 359,087. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,230. WOMEN'S UNDERWEAR—NAMELY, SLIPS, CHEMISES, STEP-IN PANTIES, BRASSIÈRES, GIRDLES, CORSETS, CORSELETS, NIGHTGOWNS, AND PAJAMAS. SUSSBERG & FEINBERG, INC., New York, N. Y.

Filed December 7, 1934. Serial No. 359,061. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,231. GIRLS' AND WOMEN'S HATS. UNIVERSAL HAT WORKS, Linden, N. J.

Filed December 7, 1934. Serial No. 359,066. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,232. SHOES MADE OF LEATHER, RUBBER, FABRIC, OR OF COMBINATIONS OF THESE MATERIALS. CHARLES A. SELTZER, JR., Cleveland, Ohio.

Filed June 11, 1934. Serial No. 352,553. PUBLISHED JANUARY 1, 1935. Class 39.

324,233. COTTON AND/OR RAYON TEXTILE FABRICS IN THE PIECE. COLD SPRING BLEACHERY, Yardley, Pa.

Filed May 29, 1934. Serial No. 352,031. PUBLISHED JANUARY 8, 1935. Class 42.

324,234. SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS OF THESE MATERIALS. SAKS AND COMPANY, INC., New York, N. Y.

Filed May 25, 1934. Serial No. 351,872. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,235. LIVE STOCK FEEDS AND POULTRY FEEDS. VITAMAX MILLS, INC., St. Louis, Mo.

Filed May 24, 1934. Serial No. 351,833. PUBLISHED FEBRUARY 26, 1935. Class 46.

324,236. SYRUPS, FRUIT JUICES, AND EXTRACTS FOR FLAVORING ALCOHOLIC LIQUORS. CALIFORNIA FRUIT PRODUCTS CO., INC., New York, N. Y.

Filed May 11, 1934. Serial No. 351,292. PUBLISHED MARCH 5, 1935. Class 49.

324,237. NECKTIES AND SWEATERS. LOUIS EFFENBERG, doing business as Diamond Knitting Mills, Philadelphia, Pa.

Filed May 5, 1934. Serial No. 350,941. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,238. WHISKEY. THE WEIDEMAN COMPANY, INC., Cleveland, Ohio.

Filed May 9, 1934. Serial No. 351,149. PUBLISHED MARCH 5, 1935. Class 49.

324,239. MEN'S WOOLEN OVERCOATING CLOTHS IN THE PIECE. ISAAC CARR & COMPANY LIMITED, Twerton-on-Avon, England.

Filed May 4, 1934. Serial No. 350,886. PUBLISHED JANUARY 8, 1935. Class 42.

324,240. ANISE LIQUEURS. PEDRO RUIZ OCEJO, Udalla, Spain.

Filed May 3, 1934. Serial No. 350,864. PUBLISHED MARCH 5, 1935. Class 49.

324,241. FRESH CITRUS FRUITS. MUTU CITRUS ASSN., Santa Paula, Calif.

Filed April 30, 1934. Serial No. 350,705. PUBLISHED JUNE 19, 1934. Class 46.

324,242. CANNED, DRIED, PRESERVED, AND EVAPORATED FRUITS, CANNED AND DRIED VEGETABLES, ANCHOVIES, SAUCES, CHICKEN, BOUILLON CUBES, ETC. MARKET WHOLESALE GROCERIES, INC., Chicago, Ill.

Filed April 2, 1934. Serial No. 349,423. PUBLISHED MARCH 5, 1935. Class 46.

324,243. FINGER RINGS AND WEDDING RINGS. ABRAHAM SAGER, doing business as Paramount Wedding Ring Company, Chicago, Ill.

Filed April 30, 1934. Serial No. 350,678. PUBLISHED FEBRUARY 26, 1935. Class 28.

324,244. LUBRICATING OILS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.

Filed December 17, 1934. Serial No. 359,410. PUBLISHED MARCH 5, 1935. Class 15.

324,245. ADHESIVE TEXTILE PATCH. DAVID JULIAN BLOCK, Chicago, Ill.

Filed December 17, 1934. Serial No. 359,385. PUBLISHED MARCH 5, 1935. Class 5.

324,246. FIELD SEEDS. BERRY SEED COMPANY, Clarinda, Iowa.

Filed December 17, 1934. Serial No. 359,384. PUBLISHED MARCH 5, 1935. Class 1.

324,247. GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y.

Filed December 15, 1934. Serial No. 359,380. PUBLISHED MARCH 5, 1935. Class 49.

324,248. WHISKY. E. L. SPELLMAN CO. INC., New York, N. Y.

Filed December 15, 1934. Serial No. 359,370. PUBLISHED MARCH 5, 1935. Class 49.

324,249. GASKETS, WASHERS AND PACKING OF CORK OR CORK COMPOSITION AND FOR CORK OR CORK COMPOSITION IN THE SHEET ESPECIALLY ADAPTED FOR PACKING. ARMSTRONG CORK & INSULATION COMPANY, Lancaster, Pa.

Filed December 15, 1934. Serial No. 359,340. PUBLISHED MARCH 5, 1935. Class 35.

324,250. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS AND SANDALS MADE OF LEATHER, IMITATION LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. SIMON WEINER, New York, N. Y.

Filed December 14, 1934. Serial No. 359,333. PUBLISHED MARCH 5, 1935. Class 39.

324,251. WOMEN'S AND MISSES' UNDERWEAR, HOSIERY, AND GLOVES MADE OF FABRIC. VAN RAALTE COMPANY, New York, N. Y.

Filed December 14, 1934. Serial No. 359,332. PUBLISHED MARCH 5, 1935. Class 39.

324,252. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.

Filed August 13, 1934. Serial No. 354,970. PUBLISHED MARCH 5, 1935. Class 46.

324,253. SILK PIECE GOODS. B. S. MENDELSON & CO. INC., New York, N. Y.

Filed August 13, 1934. Serial No. 354,942. PUBLISHED FEBRUARY 12, 1935. Class 42.

324,254. LADIES', MISSES', AND CHILDREN'S HATS. B. SIMS CORPORATION, New York, N. Y.

Filed August 9, 1934. Serial No. 354,811. PUBLISHED FEBRUARY 12, 1935. Class 39.

324,255. SILK FABRICS IN THE PIECE. ONONDAGA SILK COMPANY, INC., Syracuse, and New York, N. Y.

Filed July 31, 1934. Serial No. 354,471. PUBLISHED JANUARY 15, 1935. Class 42.

324,256. FOOD—NAMELY, CANDY AND A FOOD IN POWDERED FORM HAVING MALT AS ITS PRINCIPAL INGREDIENT AND USED FOR MAKING MILK BEVERAGES. JOHN F. DILLE, Chicago, Ill.

Filed August 27, 1934. Serial No. 355,403. PUBLISHED MARCH 5, 1935. Class 46.

324,257. TOOTH BRUSHES. LONNIE G. SMITH, Tulsa, Okla.

Filed July 30, 1934. Serial No. 354,453. PUBLISHED MARCH 5, 1935. Class 29.

324,258. SHOES FOR WOMEN OF LEATHER AND FABRIC AND COMBINATIONS OF LEATHER AND FABRIC. EDISON BROTHERS STORES, INC., St. Louis, Mo.

Filed July 26, 1934. Serial No. 354,349. PUBLISHED JANUARY 8, 1935. Class 39.

324,259. MOTORING COATS. LA SOCIETE ANONYME REVILLON FRERES, Paris, France.

Filed July 25, 1934. Serial No. 354,304. PUBLISHED JANUARY 15, 1935. Class 39.

324,260. CERTAIN NAMED WEARING APPAREL. LA SOCIETE ANONYME REVILLON FRERES, Paris, France.

Filed July 25, 1934. Serial No. 354,301. PUBLISHED JANUARY 15, 1935. Class 39.

324,261. MOTORING COATS. LA SOCIETE ANONYME REVILLON FRERES, Paris, France.

Filed July 25, 1934. Serial No. 354,300. PUBLISHED JANUARY 15, 1935. Class 39.

324,262. CERTAIN NAMED WEARING APPAREL. LA SOCIETE ANONYME REVILLON FRERES, Paris, France.

Filed July 25, 1934. Serial No. 354,299. PUBLISHED JANUARY 15, 1935. Class 39.

324,263. TILES. WHEELER BUILDING TILE COMPANY, INC., Fort Myers, Fla.

Filed July 23, 1934. Serial No. 354,230. PUBLISHED MARCH 5, 1935. Class 12.

324,264. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 22, 1934. Serial No. 353,048. PUBLISHED MARCH 5, 1935. Class 49.

324,265. DRESS AND NEGLIGEE SHIRTS, PAJAMAS, AND SHORTS. BROOM & NEWMAN, New York, N. Y.
Filed July 13, 1934. Serial No. 353,854. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,266. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 22, 1934. Serial No. 353,047. PUBLISHED MARCH 5, 1935. Class 49.

324,267. WOMEN'S, MISSES', AND CHILDREN'S HATS, BONNETS, AND BERETS. THE MAY DEPARTMENT STORES COMPANY, doing business as Famous-Barr Co., St. Louis, Mo.
Filed June 19, 1934. Serial No. 352,943. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,268. ELECTRICAL WELDING MACHINES AND ACCESSORIES, INCLUDING WELDING HOSE AND WELDING CABLE. WELDING SERVICE, INC., San Francisco, Calif.
Filed June 16, 1934. Serial No. 352,806. PUBLISHED MARCH 5, 1935. Class 21.

324,269. CERTAIN NAMED WEARING APPAREL. HARPFELD'S, INC., Kansas City, Mo.
Filed June 16, 1934. Serial No. 352,790. PUBLISHED JANUARY 29, 1935. Class 39.

324,270. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 11, 1934. Serial No. 352,562. PUBLISHED MARCH 5, 1935. Class 49.

324,271. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 11, 1934. Serial No. 352,561. PUBLISHED MARCH 5, 1935. Class 49.

324,272. WHISKEY. CONRON, INC., Peoria, Ill.
Filed January 21, 1935. Serial No. 360,464. PUBLISHED MARCH 5, 1935. Class 49.

324,273. WHISKEY. CONRON, INC., Peoria, Ill.
Filed January 21, 1935. Serial No. 360,465. PUBLISHED MARCH 5, 1935. Class 49.

324,274. GIN. CONRON, INC., Peoria, Ill.
Filed January 21, 1935. Serial No. 360,463. PUBLISHED MARCH 5, 1935. Class 49.

324,275. GIN. CONRON, INC., Peoria, Ill.
Filed January 21, 1935. Serial No. 360,462. PUBLISHED MARCH 5, 1935. Class 49.

324,276. SHEETS AND PILLOWCASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed October 11, 1934. Serial No. 356,996. PUBLISHED JANUARY 22, 1935. Class 42.

324,277. SHEETS AND PILLOWCASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed October 11, 1934. Serial No. 356,995. PUBLISHED JANUARY 1, 1935. Class 42.

324,278. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES—NAMELY, SPRING HINGES, STRAP HINGES, T-HINGES, SHELF BRACKETS, DOOR CHECKS, STEEL BUTTS, HASPS AND HINGE HASPS, BACK FLAPS, DOG CHAINS, STEEL WIRE LINK CHAINS, FAUCETS, NAILS, TACKS, SCREWS, COTTER PINS, DOWEL PINS, METAL FUNNELS, KEY RINGS, METAL TOWEL HOLDERS, METAL DOOR KNOBS, METAL TEA STRAINERS. SHEFFLER MERCHANDISE COMPANY, INC., New York, N. Y.
Filed October 9, 1934. Serial No. 356,916. PUBLISHED MARCH 5, 1935. Class 13.

324,279. COASTERS MADE OF BASE METAL AND PADS FOR USE THEREIN. CHARLES RICHARDSON, doing business as Paddy Products Company, Pasadena, Calif.
Filed October 9, 1934. Serial No. 356,915. PUBLISHED MARCH 5, 1935. Class 12

324,280. LEATHER SHOES. CANNON SHOE COMPANY, Baltimore, Md.
Filed October 9, 1934. Serial No. 356,897. PUBLISHED JANUARY 1, 1935. Class 39.

324,281. WOOLEN PIECE GOODS. LINKER & HERBERT, INC., New York, N. Y.
Filed October 8, 1934. Serial No. 356,881. PUBLISHED JANUARY 15, 1935. Class 42.

324,282. SELF RISING FLOUR AND PHOSPHATED WHEAT FLOUR. RICHLAND MILLING COMPANY, Belleville, Ill.
Filed December 28, 1934. Serial No. 359,727. PUBLISHED MARCH 5, 1935. Class 46.

324,283. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS AND OVERCOATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 28, 1934. Serial No. 359,715. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,284. RAW PELTS AND PELTS INTENDED FOR SCARFS OR TRIMMING OF WOMEN'S WEAR. FROMM BROS., INC., Hamburg, Wis.
Filed December 26, 1934. Serial No. 359,635. PUBLISHED MARCH 5, 1935. Class 1.

324,285. MEN'S DRESS SHIRTS. STYLE KRAFT SHIRT CORPORATION, New York, N. Y.
Filed December 26, 1934. Serial No. 359,678. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,286. AWNING FABRICS AND CANVAS GOODS—NAMELY, DRILLS AND DUCKS. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed December 26, 1934. Serial No. 359,651. PUBLISHED MARCH 5, 1935. Class 42.

324,287. WHISKEY. GEORGE BENZ SONS, INC., St. Paul, Minn.
Filed December 26, 1934. Serial No. 359,649. PUBLISHED MARCH 5, 1935. Class 49.

324,288. NARROW ELASTICS, ELASTIC BRAIDS, AND VIENNA HAT ELASTIC. SHELTON TEXTILE FABRIC CO., Shelton, Conn.
Filed December 24, 1934. Serial No. 359,634. PUBLISHED FEBRUARY 26, 1935. Class 40.

324,289. BRASSIÈRES AND CORSETS. THE H & W COMPANY, INC., Newark, N. J.
Filed December 22, 1934. Serial No. 359,582. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,290. BLANKETS. THE ESMOND MILLS, New York, N. Y.
Filed December 22, 1934. Serial No. 359,577. PUBLISHED FEBRUARY 26, 1935. Class 42.

324,291. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. E. KAHN & CO., INC., Baltimore, Md.
Filed January 24, 1935. Serial No. 360,638. PUBLISHED MARCH 5, 1935. Class 49.

324,292. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. E. KAHN & CO., INC., Baltimore, Md.
Filed January 24, 1935. Serial No. 360,637. PUBLISHED MARCH 5, 1935. Class 49.

324,293. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. E. KAHN & CO., INC., Baltimore, Md.
Filed January 24, 1935. Serial No. 360,636. PUBLISHED MARCH 5, 1935. Class 49.

324,294. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. FELSEN INC., East St. Louis, Ill.
Filed January 24, 1935. Serial No. 360,630. PUBLISHED MARCH 5, 1935. Class 49.

324,295. OPHTHALMIC LENSES AND LENS BLANKS. SOFT-LITE LENS COMPANY, INC., New York, N. Y.
Filed January 4, 1935. Serial No. 360,614. PUBLISHED MARCH 5, 1935. Class 26.

324,296. GIN. POPPER MORSON CO. INC., Jersey City, N. J.
Filed January 23, 1935. Serial No. 360,604. PUBLISHED MARCH 5, 1935. Class 49.

324,297. BRANDY, GIN, WHISKEY, AND ALCOHOLIC CORDIALS. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed January 23, 1935. Serial No. 360,598. PUBLISHED MARCH 5, 1935. Class 49.

324,298. WHISKEY. GREENSPAN BROTHERS COMPANY, Perth Amboy, N. J.
Filed January 23, 1935. Serial No. 360,588. PUBLISHED MARCH 5, 1935. Class 49.

324,299. WATER CRESS. C. E. DENNIS, Martinsburg, W. Va.
Filed January 22, 1935. Serial No. 360,528. PUBLISHED MARCH 5, 1935. Class 46.

324,300. RADIO RECEIVING SETS AND RADIO TUBES. L. BAMBERGER & CO., Newark, N. J.
Filed January 22, 1935. Serial No. 360,520. PUBLISHED MARCH 5, 1935. Class 21.

324,301. WHISKEY. SPRING GROVE DISTILLING CO., INCORPORATED, Chicago, Ill.
Filed January 21, 1935. Serial No. 360,499. PUBLISHED MARCH 5, 1935. Class 49.

324,302. WHISKEY. E. L. SPELLMAN CO., INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,497. PUBLISHED MARCH 5, 1935. Class 49.

324,303. SHERRY WINE. E. L. SPELLMAN CO., INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,496. PUBLISHED MARCH 5, 1935. Class 47.

324,304. WHISKEY. E. L. SPELLMAN CO., INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,494. PUBLISHED MARCH 5, 1935. Class 49.

324,305. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed January 21, 1935. Serial No. 360,483. PUBLISHED MARCH 5, 1935. Class 49.

324,306. WHISKEY. CONRON, INC., Peoria, Ill.
Filed January 21, 1935. Serial No. 360,466. PUBLISHED MARCH 5, 1935. Class 49.

324,307. WOMEN'S NETHER GARMENTS—NAMELY, BRASSIÈRES, CORSETS, CHEMISES, SLIPS, PANTIES, NEGLIGEES, NIGHTGOWNS, AND BREAST SUPPORTERS. PHILIP JULIUS, doing business as Mme. Julius, New York, N. Y.
Filed October 2, 1934. Serial No. 356,667. PUBLISHED JANUARY 8, 1935. Class 39.

324,308. WATERPROOFED SILK, COTTON AND RAYON FABRICS, OR MIXTURES THEREOF. SHERMAN FABRIC PRODUCTS, INC., New York, N. Y.
Filed September 28, 1934. Serial No. 356,546. PUBLISHED MARCH 5, 1935. Class 42.

324,309. PEAT MOSS UTILIZED FOR POULTRY LITTER, STABLE BEDDING AND ROAD MAKING. PREMIER PEAT MOSS CORPORATION, New York, N. Y.
Filed September 27, 1934. Serial No. 356,492. PUBLISHED MARCH 5, 1935. Class 1.

324,310. SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF THOSE MATERIALS. A/S HALDENS SKOTØIFABRIK, Halden, Norway.
Filed September 26, 1934. Serial No. 356,431. PUBLISHED MARCH 5, 1935. Class 39.

324,311. SPARK PLUGS. STRAUSS STORES CORPORATION, Brooklyn, N. Y.
Filed September 24, 1934. Serial No. 356,391. PUBLISHED MARCH 5, 1935. Class 21.

324,312. SPICES AND SEASONINGS, GELATINE, EDIBLE GUMS, DRIED POWDERED VEGETABLES, FLAVORING EXTRACTS FOR FOODS IN SOLID AND LIQUID FORM, JELLY POWDERS, ICE CREAM THICKENERS, CEREAL AND GELATINOUS THICKENERS FOR FOODS, BINDERS, FILLERS, ABSORBENTS, AND COAGULATORS FOR FOODS IN THE NATURE OF GELATINOUS MATERIALS, MEAT-CURING SALTS, AND MEAT-PICKLING SALTS. THE PRESERVALINE MANUFACTURING CO., Brooklyn, N. Y.
Filed September 21, 1934. Serial No. 356,270. PUBLISHED DECEMBER 25, 1934. Class 46.

324,313. SHOES FOR MEN, WOMEN AND CHILDREN, SAID SHOES BEING CONSTRUCTED OF LEATHER, FABRIC, RUBBER AND COMBINATIONS OF SUCH MATERIALS. HARRY C. MILENS, doing business as Silver Dollar Shoe Stores, Kansas City, Mo.
Filed September 21, 1934. Serial No. 356,264. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,314. FELT HATS FOR MEN. KATZ KONRAD HAT CO., St. Louis, Mo.
Filed September 21, 1934. Serial No. 356,252. PUBLISHED FEBRUARY 5, 1935. Class 39.

324,315. OUTER GARMENTS — NAMELY, COATS, JACKETS, LUMBERJACKETS FOR MEN, WOMEN AND CHILDREN. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed September 20, 1934. Serial No. 356,216. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,316. NARROW ELASTIC WEBBING FOR USE IN MAKING SUSPENDERS. SOUTHERN WEBBING MILLS, INC., Greensboro, N. C.
Filed September 19, 1934. Serial No. 356,201. PUBLISHED FEBRUARY 5, 1935. Class 40.

324,317. POTATO CHIPS AND CHILI. R. LINDEMANN, doing business as Sterling Products, Minneapolis, Minn.
Filed September 17, 1934. Serial No. 356,118. PUBLISHED MARCH 5, 1935. Class 46.

324,318. WINES. ST. GEORGE WINERY, doing business as St. George Winery & Distillery, Fresno, Calif.
Filed September 15, 1934. Serial No. 356,082. PUBLISHED MARCH 5, 1935. Class 47.

324,319. CORSETS, CORSELETS, BRASSIÈRES, AND GIRDLES. LEADING BRASSIERE CO., INC., New York, N. Y.
Filed September 14, 1934. Serial No. 356,030. PUBLISHED MARCH 5, 1935. Class 39.

324,320. METAL STRAIGHTENING MACHINES AND PARTS THEREOF. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed January 7, 1935. Serial No. 359,983. PUBLISHED MARCH 5, 1935. Class 23.

324,321. TREES AND SHRUBBERY. WM. E. ASPLIN, Cleveland, Ohio.
Filed January 7, 1935. Serial No. 359,979. PUBLISHED FEBRUARY 26, 1935. Class 1.

324,322. STERLING SILVER FLATWARE AND HOLLOWWARE. THE WATSON COMPANY, Attleboro, Mass.
Filed January 5, 1935. Serial No. 359,972. PUBLISHED FEBRUARY 26, 1935. Class 28.

324,323. HAND PRESSURE ACTUATED PORTABLE ELECTRIC PRESSING DEVICES FOR IRONING, PRESSING, AND SMOOTHING FABRICS AND LIKE MATERIALS. MODERN SPECIALTIES, INC., Milwaukee, Wis.
Filed January 4, 1935. Serial No. 359,922. PUBLISHED MARCH 5, 1935. Class 21.

324,324. LUBRICATING OILS. COLT-WORTHINGTON OIL WORKS, INC., Garden City, N. Y.
Filed January 4, 1935. Serial No. 359,906. PUBLISHED MARCH 5, 1935. Class 15.

324,325. LUBRICATING OILS. COLT-WORTHINGTON OIL WORKS, INC., Garden City, N. Y.
Filed January 4, 1935. Serial No. 359,905. PUBLISHED MARCH 5, 1935. Class 15.

324,326. LUBRICATING OILS. COLT-WORTHINGTON OIL WORKS, INC., Garden City, N. Y.
Filed January 4, 1935. Serial No. 359,904. PUBLISHED MARCH 5, 1935. Class 15.

324,327. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.
Filed August 13, 1934. Serial No. 354,971. PUBLISHED MARCH 5, 1935. Class 46.

324,328. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.
Filed August 13, 1934. Serial No. 354,973. PUBLISHED MARCH 5, 1935. Class 46.

324,329. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.
Filed August 13, 1934. Serial No. 354,972. PUBLISHED MARCH 5, 1935. Class 46.

324,330. WOMEN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR ANY COMBINATION THEREOF. SHERWOOD SHOE COMPANY, Rochester, N. Y.
Filed August 15, 1934. Serial No. 355,043. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,331. SAUSAGES. DEERFOOT FARMS COMPANY, Southborough, Mass.
Filed December 22, 1934. Serial No. 359,575. PUBLISHED MARCH 5, 1935. Class 46.

324,332. MEDICINAL PREPARATIONS RECOMMENDED FOR THE TREATMENT OF DISORDERS OF THE STOMACH AND DIGESTIVE ORGANS; GENITO-URINARY ANTISEPTICS; MEDICINAL PREPARATIONS USED IN HORMONE THERAPEUTICS; LAXATIVE PREPARATIONS; AND PREPARATIONS USED FOR FACILITATING THE TAKING OF X-RAY PICTURES OF INTERNAL ORGANS. SCHERING CORPORATION, Bloomfield, N. J.
Filed December 21, 1934. Serial No. 359,555. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,333. RIBBON SOLD BY THE BOLT. W. & G. RIBBON COMPANY, INC., New York, N. Y.
Filed December 20, 1934. Serial No. 359,528. PUBLISHED MARCH 5, 1935. Class 42.

324,334. WOMEN'S AND CHILDREN'S UNDERGARMENTS, SPECIFICALLY FOR BLOOMERS. WINGET KICKERNICK, COMPANY, Minneapolis, Minn.
Filed December 19, 1934. Serial No. 359,492. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,335. LAXATIVE TABLETS. FRANK L. SWISS, doing business as Swiss Laboratories, Baltimore, Md.
Filed December 19, 1934. Serial No. 359,488. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,336. ELECTRICAL CONTROL AND SIGNAL APPARATUS FOR PROTECTIVE SYSTEMS AGAINST UNAUTHORIZED APPROACH OR ENTRY WITH AUDIBLE AND/OR VISIBLE SIGNALS, ETC. TELETOUCH CORPORATION, New York, N. Y.
Filed December 18, 1934. Serial No. 359,445. PUBLISHED MARCH 5, 1935. Class 21.

324,337. SHAMPOO AND DEODORIZING AND INSECTICIDE POWDER FOR DOGS AND CATS. SHEILA ROSE, doing business as Happy Bird Food Products Company, New York and Jamaica, N. Y.
Filed December 18, 1934. Serial No. 359,441. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,338. MEN'S AND WOMEN'S FELT HATS. THE FRANK H. LEE COMPANY, Danbury, Conn.
Filed December 18, 1934. Serial No. 359,430. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,339. MEN'S AND BOYS' NEGLIGEE AND DRESS SHIRTS, PAJAMAS AND UNDERWEAR. THE ENRO SHIRT CO., INCORPORATED, Louisville, Ky.
Filed December 18, 1934. Serial No. 359,428. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,340. STOCK FEED. THE SALINAX COMPANY, LIMITED, London, England.
Filed September 8, 1934. Serial No. 355,853. PUBLISHED MARCH 5, 1935. Class 46.

324,341. GIN, WHISKEY, AND BRANDY. GOODMAN & BERR CO., INC., New Orleans, La.
Filed September 1, 1934. Serial No. 355,672. PUBLISHED OCTOBER 9, 1934. Class 49.

324,342. PRINTING PRESSES. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J.
Filed September 4, 1934. Serial No. 355,695. PUBLISHED MARCH 5, 1935. Class 23.

324,343. FABRIC STIFFENER ELEMENTS USED IN TAILORING COATS AND USUALLY TERMED IN THE TRADE AS "COAT FRONTS." FREYDBERG PHILADELPHIA PAD AND BINDING COMPANY, INC., Philadelphia, Pa.
Filed August 31, 1934. Serial No. 355,617. PUBLISHED JANUARY 1, 1935. Class 39.

324,344. SAND PAPER, ABRASIVE PAPER, AND ABRASIVES. VULCAN ABRASIVES, INC., New York and Long Island City, N. Y.
Filed August 21, 1934. Serial No. 355,276. PUBLISHED FEBRUARY 26, 1935. Class 4.

324,345. WOMEN'S COATS, DRESSES, AND HATS. KATHLEEN INCORPORATED, New York, N. Y.
Filed August 18, 1934. Serial No. 355,158. PUBLISHED MARCH 5, 1935. Class 39.

324,346. TEXTILE FABRICS IN THE PIECE MADE OF SILK. COLCOMBET FRANÇOIN & CIE. SOCIÉTÉ ANONYME, Etienne, France.
Filed August 17, 1934. Serial No. 355,094. PUBLISHED MARCH 5, 1935. Class 42.

324,347. ALL TYPES OF BOND PAPER, DUPLICATING PAPER, NOTE PAPER, WRITING PAPER, AND NEWSPRINT. J. P. HEILBRONN COMPANY, Manila, P. I., and New York, N. Y.
Filed October 11, 1933. Serial No. 342,351. PUBLISHED DECEMBER 26, 1933. Class 37.

324,348. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. CALVIN D. GRIFFIN, doing business as Columbia Orange Kist Bottling Company, Washington, D. C.
Filed October 3, 1934. Serial No. 356,722. PUBLISHED JANUARY 1, 1935. Class 45.

324,349. COLORED PAPER FIGURES, SIMILAR TO LARGE SIZED PAPER DOLLS USED BY DESIGNERS OF CLOTHING AND INSTRUCTORS OF CLOTHING DESIGNING. CHARLOTTE C. WILKINSON, New York, N. Y.
Filed September 28, 1934. Serial No. 356,826. PUBLISHED MARCH 5, 1935. Class 50.

324,350. ENAMEL FRIT AND PURIFIED CLAY. FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed October 8, 1934. Serial No. 356,874. PUBLISHED MARCH 5, 1935. Class 1.

324,351. LADIES', MEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND OF COMBINATIONS OF LEATHER, RUBBER, AND FABRICS. HEYMAN BASHKES, doing business as Triangle Shoe Co., New York, N. Y., assignor to Foot Form Shoe Shops, Inc., New York, N. Y., a corporation of New York.
Filed October 23, 1933. Serial No. 342,824. PUBLISHED APRIL 10, 1934. Class 39.

324,352. HAIRPINS OF THE BOBBY PIN TYPE. SCOLDING LOCKS CORPORATION, Appleton, Wis.
Filed November 22, 1933. Serial No. 344,016. PUBLISHED JANUARY 15, 1935. Class 40.

324,353. PREPARATION FOR BLEACHING, WASHING, STERILIZING AND DISINFECTING. NU-ERA CLEANSING CO., Pittsburgh, Pa.
Filed January 3, 1934. Serial No. 345,608. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,354. CANNED GOODS—NAMELY, PEELED TOMATOES, PEPPERS, TOMATO SAUCE AND STRING BEANS. GABRIELE GAMBARDELLA & FIGLI, New York, N. Y.
Filed January 10, 1934. Serial No. 345,864. PUBLISHED MARCH 5, 1935. Class 46.

324,355. WOOLEN PIECE GOODS. HAMILTON WOOLEN COMPANY, INC., Southbridge, Mass.
Filed January 10, 1934. Serial No. 345,865. PUBLISHED FEBRUARY 19, 1935. Class 42.

324,356. WHISKEY AND/OR OTHER POTABLE DISTILLED SPIRITS, AND ALCOHOLIC CORDIALS. CHILDS COMPANY, New York, N. Y.
Filed January 16, 1934. Serial No. 346,106. PUBLISHED MARCH 5, 1935. Class 49.

324,357. WINES. CHILDS COMPANY, New York, N. Y.
Filed January 16, 1934. Serial No. 346,107. PUBLISHED MARCH 5, 1935. Class 47.

324,358. HAIR CURLER. LOYD W. HUMPHREY, doing business as Humphrey Products Company, Detroit, Mich.
Filed January 22, 1934. Serial No. 346,362. PUBLISHED FEBRUARY 19, 1935. Class 40.

324,359. WINES—NAMELY, CLARET, STILL BURGUNDY AND BORDEAUX, SPARKLING WINES. J. CALVET & CIE, S. A. R. L., Bordeaux, France.
Filed January 29, 1934. Serial No. 346,677. PUBLISHED MARCH 5, 1935. Class 47.

324,360. NECKTIES AND MUFFLERS. D. H. NEUMANN, doing business as D. H. Neumann Company, New York, N. Y.
Filed January 30, 1934. Serial No. 346,752. PUBLISHED APRIL 24, 1934. Class 39.

324,361. FERROUS METAL, AS SUCH, PLAIN AND PLATED, ENAMELED, LACQUERED AND THE LIKE, AND IN THE FORM OF BARS, ROUNDS, SQUARES, FLATS, SHEETS, ETC. SWEDISH IRON & STEEL CORPORATION, New York, N. Y.
Filed February 15, 1934. Serial No. 347,423. PUBLISHED MARCH 5, 1935. Class 14.

324,362. BOX TOES FOR SHOES. ARMSTRONG CORK & INSULATION COMPANY, Lancaster, Pa.
Filed February 24, 1934. Serial No. 347,778. PUBLISHED MARCH 5, 1935. Class 39.

324,363. NECKTIES, CRAVATS, MUFFLERS, AND SCARFS. B. W. MAYER, LTD., Poughkeepsie and New York, N. Y.
Filed February 24, 1934. Serial No. 347,808. PUBLISHED JANUARY 15, 1935. Class 39.

324,364. BERETS. KNEALE, INC., New York, N. Y.
Filed October 21, 1931. Serial No. 320,264. PUBLISHED MARCH 8, 1932. Class 39.

324,365. GEARS, GEAR BLANKS, SPINNING BUCKETS, CELLOPHANE ROLLS AND PULLEYS CONSTRUCTED OF MOLDED FIBROUS MATERIAL WITH A HEAT HARDENED BINDER. WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 30, 1932. Serial No. 328,464. PUBLISHED MARCH 5, 1935. Class 23.

324,366. GASOLINE. THE EL DORADO REFINING COMPANY, Eldorado, Kans.
Filed July 7, 1932. Serial No. 328,595. PUBLISHED FEBRUARY 26, 1935. Class 15.

324,367. BOYS' PANTS AND PLAY SUITS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 3, 1935. Serial No. 359,894. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,368. BOYS' PANTS, RIDING BREECHES AND PLAY SUITS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 3, 1935. Serial No. 359,893. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,369. GASOLINE, AND LUBRICATING OILS AND GREASES. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 3, 1935. Serial No. 359,883. PUBLISHED MARCH 5, 1935. Class 15.

324,370. MEN'S HOSE. CONOVER KNITTING COMPANY, Conover, N. C.
Filed January 2, 1935. Serial No. 359,847. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,371. PAJAMAS. LEYBRO MFG. CO., New York, N. Y.
Filed December 31, 1934. Serial No. 359,803. PUBLISHED FEBRUARY 19, 1935. Class 39.

324,372. STEEL WOOL OR WOVEN METAL CLEANERS FOR METALWARE. DAVID J. KELMAN, New York, N. Y.
Filed December 31, 1934. Serial No. 359,798. PUBLISHED FEBRUARY 26, 1935. Class 4.

324,373. CIGARETTE PAPERS. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS BRAUNSTEIN FRERES, Paris, France.
Filed December 29, 1934. Serial No. 359,755. PUBLISHED MARCH 5, 1935. Class 8.

324,374. WINES. GUIMARAENS & CO., Vila Nova de Gaia, Portugal.
Filed December 29, 1934. Serial No. 359,746. PUBLISHED MARCH 5, 1935. Class 47.

324,375. MEN'S AND BOYS' SUITS OF LINENS, SEERSUCKERS, COTTONS AND OTHER CLOTHS. FAMOUS-STERNBERG INC., New Orleans, La.
Filed December 29, 1934. Serial No. 359,742. PUBLISHED FEBRUARY 26, 1935. Class 39.

324,376. PORT, SHERRY, AUSTRALIAN AND SOUTH AFRICAN WINES. C. BUSWELL & COMPANY LIMITED, London, England.
Filed December 29, 1934. Serial No. 359,739. PUBLISHED MARCH 5, 1935. Class 47.

324,377. GLOVES AND GAUNTLETS MADE OF FABRICS AND COMBINATIONS OF FABRIC AND LEATHER. THE TOLEDO GLOVE MANUFACTURING COMPANY, Toledo, Ohio.
Filed December 28, 1934. Serial No. 359,734. PUBLISHED MARCH 5, 1935. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

324,378. (CLASS 39. CLOTHING.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 28, 1933. Serial No. 335,350.

SLENDERWEAR

For Men's, Women's, and Children's Underwear.
Claims use since Feb. 28, 1933.

324,379. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NATION CHEMICAL CO., Birmingham, Ala. Filed Apr. 22, 1933. Serial No. 337,079.

Nation's best

For Cleansers and Polishers—Namely, Toilet Bowl Cleaner and Metal Polish, Including Silver Polish and a Dry Cleaning Compound.
Claims use since Mar. 1, 1933.

324,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATION CHEMICAL CO., Birmingham, Ala. Filed Apr. 22, 1933. Serial No. 337,080.

Nation's best

For Insecticides in Powdered Form—Namely, an Ant Killer, Roach Killer, Insect Powders, and Moth Crystals; Insecticides in Liquid Form as Liquid Insecticide, Fly and Mosquito Killer, Moth Killer Both in Liquid and Dry Form, also Rat Killer, Disinfectants, Antiseptic Deodorants, and a Drain Pipe Solvent.
Claims use since Mar. 1, 1933.

324,381. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN NICKELOID COMPANY, Peru, Ill. Filed July 5, 1933. Serial No. 339,485.

BONDED

For Sheet and Coil Metals Made of Zinc, Copper, Steel, Brass, Tinplate, Nickel, Silver, or the Like, Plated with Nickel, Brass, Copper, and Chromium.
Claims use since Mar. 1, 1926.

324,382. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ACHESON MANUFACTURING COMPANY, Rankin, Pa. Filed Aug. 28, 1933. Serial No. 341,066.

GYMNASTIK

For Exercising Apparatus.
Claims use since July 14, 1933.

324,383. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 18, 1933. Serial No. 342,430.

CHUM

For Artificial Fish Bait.
Claims use since July 5, 1933.

324,384. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSE ARECHABALA S. A., Cardenas, Cuba. Filed Oct. 25, 1933. Serial No. 342,865.

CUBA CLUB

For Ethyl Alcohol, Rums, Brandies, and Cognacs.
Claims use since Sept. 4, 1933.

324,385. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSE ARECHABALA S. A., Cardenas, Cuba. Filed Oct. 25, 1933. Serial No. 342,867.

HAVANA CLUB

For Ethyl Alcohol, Rum, Brandy, Cognac, and Other Potable Distilled Liquors.
Claims use since Sept. 4, 1933.

324,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHARF BROS. CO. INC., New York, N. Y. Filed Dec. 15, 1933. Serial No. 344,987.

Dunhills

For Confectionery—Namely, Candy.
Claims use since July 28, 1930.

324,387. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ART-CRAFT OPTICAL CO., INC., Rochester, N. Y. Filed Feb. 8, 1934. Serial No. 347,118.

Kleer-Vue

For Optical Goods—Namely, Spectacle Frames, Rimless Mountings, Temples, and Ends, Goggles, Safety Glasses, Binoculars, Field Glasses, Opera Glasses, Magnifiers, and Lenses.
Claims use since Feb. 28, 1934.

324,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CAMPANY, Croghan, N. Y. Filed Mar. 7, 1934. Serial No. 348,269.

CAMPANY'S QUALITY PRODUCTS

For Bologna and Similar Sausage Products.
Claims use since 1925.

324,389. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LOUIS GITZENDANNER, New York, N. Y. Filed Apr. 3, 1934. Serial No. 349,467.

TEMPER-RITE

For Mixing Valves.
Claims use since Feb. 15, 1934.

324,390. (CLASS 2. RECEPTACLES.) TEXTILE MACHINE WORKS, Wyomissing, Pa. Filed Apr. 5, 1934. Serial No. 349,599.

READING

For Hosiery Bins.
Claims use since Sept. 1, 1932.

324,391. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Apr. 10, 1934. Serial No. 349,763.

BESTYPE

For Hosiery.
Claims use since Apr. 3, 1934.

324,392. (CLASS 39. CLOTHING.) H. C. ABERLE CO., Philadelphia, Pa. Filed May 10, 1934. Serial No. 351,151.

KNEE-HITE

For Hosiery.
Claims use since Mar. 5, 1934.

324,393. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MAR-SALLE CHICAGO COMPANY, Chicago, Ill. Filed June 28, 1934. Serial No. 353,287.

Jose Moncado

For Rum, Gin, Whiskey, and Cordials.
Claims use since Apr. 7, 1934.

324,394. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MIDWAY CHEMICAL COMPANY, Chicago, Ill. Filed July 16, 1934. Serial No. 353,934.

CHINESE

For Wood Polish.
Claims use since Mar. 23, 1934.

324,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA FRUIT CANNERS, INC., Frostproof, Fla. Filed Aug. 10, 1934. Serial No. 354,843.

MIXER

For Grapefruit Juice and Blended Orange and Grapefruit Juice for Food Purposes and Incidentally Used as an Adjunct in the Mixing of Beverages.
Claims use since Jan. 8, 1934.

324,396. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SOCIETE ANONYME COUESNON, Paris, France. Filed Oct. 2, 1934. Serial No. 356,678.

LAMBERT

For Violins, Bassoons, Bugles, Key Bugles, Clarinets, Alto Horns, English Horns, Musical Horns, Cornets with Registers, Flutes, Saxhorns, Saxophones, Drums, Trombones, Trumpets.
Claims use since Jan. 12, 1931.

324,397. (CLASS 39. CLOTHING.) BROOKLYN OVERALL CO., Brooklyn, N. Y. Filed Nov. 15, 1934. Serial No. 358,235.

SMITH'S

For Wearing Apparel—Namely, Trousers, Work Shirts, and Blouses; Men's Uniforms Such as Used in Gasoline Stations, Hotels, Apartment Houses, etc.; Hosiery and Stockings; Overalls; Men's Coats and Suits; Men's Underwear; Caps; Work Gloves Made of Leather and Canvas; Collars and Bathing Suits.
Claims use since 1923.

324,398. (CLASS 39. CLOTHING.) NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y. Filed Dec. 5, 1934. Serial No. 358,938.

Repel-S-Wet

For Men's Coats and Suits; Ladies', Misses', and Children's Coats, Suits, Dresses, Blouses, and Hats; Bathing Suits, Pajamas, Beach Robes, Negligees, Underwear, Dress and Sport Shirts, and Shoes Made of Suede, Fabric, Leather, or Combinations of These Materials.
Claims use since Apr. 10, 1933.

324,399. (CLASS 39. CLOTHING.) AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed Jan. 7, 1935. Serial No. 359,980.

INTERKNIT

For Men's, Ladies', Misses', and Children's Union Suits, Two Piece Undergarments Such as Shirts and Drawers, Vests and Pants; Sweaters and Bathing Suits.
Claims use since February, 1932, on sweaters and bathing suits; since January, 1908, on remaining goods.

324,400. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Jan. 8, 1935. Serial No. 360,034.

DERBYSHIRE

For Gin.
Claims use since Mar. 29, 1934.

324,401. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS WOLF & CO. INC., New York, N. Y. Filed Jan. 30, 1935. Serial No. 360,870.

PERFECTION

For Dolls, Toys, and Novelties—Namely, Building Blocks; Toy Farm Sets, Tea Sets, and Furniture Sets; Toy Musical Instruments—Namely, Pianos; Musical Toys; Rattles; Roly Polys; Rubber Balls; Soldier Sets; Christmas Tree Ornaments; Paper Houses; Rubber, Velvet, Plush, Cotton, and Composition Animals.
Claims use since 1914.

324,402. (CLASS 39. CLOTHING.) SIGMOND FREIDMAN, doing business as Modern Manufacturing Co., New York, N. Y. Filed Feb. 12, 1935. Serial No. 361,313.

Modern Made

For Misses' and Women's Cotton Frocks and Dresses.
Claims use since Jan. 2, 1929.

324,403. (CLASS 7. CORDAGE.) COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed Feb. 27, 1935. Serial No. 361,878.

COLCORD

For Vegetable Fibre Twine.
Claims use since July 21, 1932.

TRADE-MARK REGISTRATIONS RENEWED

96,393. FRUIT PRESERVES. Registered April 21, 1914. BEST-CLYMER MFG. CO., St. Louis, Mo. Renewed April 21, 1934, to Preserves & Honey, Inc., New York, N. Y., a corporation of Delaware, successor.

97,384. HAIR-TONIC. Registered June 2, 1914. DAVID E. WRIGHT, deceased, by Isabella Wright, executrix of Harrisburg, Pa., and New York, N. Y. Renewed June 2, 1934, to Bay Roma Company, Inc., New York, N. Y., a corporation of New York, successor.

102,745. A PREPARATION FOR USE IN THE TREATMENT OF CERTAIN NAMED AILMENTS. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,746. A REMEDY FOR CONSTIPATION. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,747. A REMEDY FOR LAXATIVE PURPOSES AND FOR PURIFYING THE BLOOD. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,748. A LINIMENT. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,749. A REMEDY FOR THE VARIOUS AFFECTIONS OF THE LUNGS AND THROAT. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,750. A LIQUID MEDICINAL COMPOUND USED EXTERNALLY AND INTERNALLY AS A REMEDY FOR VARIOUS HUMAN AILMENTS. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,751. A REMEDY FOR CERTAIN NAMED AILMENTS. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,752. A MEDICINAL COMPOUND FOR INTERNAL USE AS A REMEDY IN THE TREATMENT OF VARIOUS HUMAN AILMENTS. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,753. AN OINTMENT FOR THE TREATMENT OF ALL ITCHINESS OF THE SKIN. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

102,754. TOILET SOAPS. Registered February 23, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed February 23, 1935.

103,024. HAIR-TONIC. Registered March 16, 1915. M. BARKER FERREIRA. Renewed March 16, 1935, to Samuel P. Steckler, New York, N. Y., assignee.

103,151. DRESS-SHIELDS. Registered March 16, 1915. BROOKLYN SHIELD & RUBBER CO., New York, N. Y. Renewed March 16, 1935, to Rand Rubber Company, Inc., Brooklyn, N. Y., a corporation of New York, by change of name.

103,196. IRONING-MACHINES, WASHING-MACHINES, IRONING-BOARDS, TUBS, WRINGERS. Registered March 23, 1915. CHICAGO DRYER CO., Chicago, Ill., a corporation of Illinois. Renewed March 23, 1935.

103,203. CERTAIN NAMED ELECTRICALLY-HEATED VESSELS. Registered March 23, 1915. LANDERS, FRARY & CLARK, New Britain, Conn., a corporation of Connecticut. Renewed March 23, 1935.

103,230. BREAD. Registered March 23, 1915. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed March 23, 1935.

103,320. OLEOMARGARIN AND BUTTERIN. Registered March 30, 1915. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 30, 1935.

103,321. OLEOMARGARIN AND BUTTERIN. Registered March 30, 1915. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 30, 1935.

103,458. TEXTILE RUGS AND CARPETS. Registered April 6, 1915. M. J. WHITTALL. Renewed April 6, 1935, to M. J. Whittall Associates, Ltd., Worcester, Mass., a voluntary association of Massachusetts, successor.

103,559. A LINIMENT. Registered April 6, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed April 6, 1935.

103,582. GAS, COAL, WOOD, AND OIL STOVES. Registered April 6, 1915. CHICAGO DRYER CO., Chicago, Ill., a corporation of Illinois. Renewed April 6, 1935.

103,596. BEER. Registered April 6, 1915. PITTSBURGH BREWING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 6, 1935.

103,727. INTERNAL-COMBUSTION ENGINES. Registered April 13, 1915. HENDEE MANUFACTURING COMPANY. Renewed April 13, 1935, to Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts, by change of name.

103,728. INTERNAL-COMBUSTION ENGINES. Registered April 13, 1915. HENDEE MANUFACTURING COMPANY. Renewed April 13, 1935, to Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts, by change of name.

103,805. PLOWS, (OTHER THAN CULTIVATORS AND HARROWS), MOLD-BOARDS, LANDSIDES, PLOW-POINTS, PLOW-BEAMS, AND PARTS OF PLOWS. Registered April 13, 1915. CECIL BILLUPS. Renewed April 13, 1935, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

103,806. PLOWS, (OTHER THAN CULTIVATORS AND HARROWS), MOLD-BOARDS, LANDSIDES, PLOW-POINTS, PLOW-BEAMS, AND PARTS OF PLOWS. Registered April 13, 1915. CECIL BILLUPS. Renewed April 13, 1935, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

103,840. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 13, 1915. CECIL BILLUPS. Renewed April 13, 1935, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

103,851. A TOILET CREAM. Registered April 20, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed April 20, 1935.

103,852. A HAIR-INVIGORATOR AND REMEDY FOR DISEASES OF THE SCALP, DANDRUFF, AND FALLING HAIR. Registered April 20, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed April 20, 1935.

103,879. WEEKLY PERIODICAL. Registered April 20, 1915. THE SAFE-CABINET COMPANY, Marietta, Ohio. Renewed April 20, 1935, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee.

104,046. WRITING-PAPER. Registered April 27, 1915. CRANE & CO. Renewed April 27, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee.

104,047. WRITING-PAPER. Registered April 27, 1915. CRANE & CO. Renewed April 27, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee.

104,048. WRITING-PAPER. Registered April 27, 1915. CRANE & CO. Renewed April 27, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee.

104,049. WRITING-PAPER. Registered April 27, 1915. CRANE & CO. Renewed April 27, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee.

104,070. TEA. Registered April 27, 1915. FRANCIS H. LEGGETT & COMPANY, New York, N. Y., a corporation of New York. Renewed April 27, 1935.

104,079. TRANSOMS, DOORS, WINDOWS, AND PANELS. Registered April 27, 1915. THE VENTILOUVRE CO., New York, N. Y. Renewed April 27, 1935, to The Airolite Company, Marietta, Ohio, a corporation of Ohio, assignee by mesne assignments.

104,148. OLEOMARGARIN AND BUTTERIN. Registered May 4, 1915. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1935.

104,231. ANTIFRICTION-BEARINGS. Registered May 11, 1915. PRESSED STEEL MANUFACTURING COMPANY, Philadelphia, Pa. Renewed May 11, 1935, to Nice Ball Bearing Company, Nicetown, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

104,329. A MIXED FEED FOR LIVE STOCK. Registered May 18, 1915. INTERNATIONAL SUGAR FEED NO. TWO CO., Minneapolis, Minn. Renewed May 18, 1935, to International Sugar Feed No. Two Company, Memphis, Tenn., a corporation of Minnesota.

104,334. BED-SPRINGS. Registered May 18, 1915. MINNEAPOLIS BEDDING COMPANY. Renewed May 18, 1935, to The Way Corporation, Minneapolis, Minn., a corporation of Minnesota, by change of name.

104,406. POULTICE. Registered May 25, 1915. WASHINGTON DRUG PRODUCTS CO., INC. Renewed May 25, 1935, to Poloris Company, Inc., New York, N. Y., a corporation of New York, assignee.

104,434. A LIQUID CHEMICAL SOLUTION FOR REMOVING RUST AND GREASE FROM METAL SURFACES. Registered June 1, 1915. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed June 1, 1935, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware.

104,456. PAPER ICE-BLANKETS AND NURSERY-BLANKETS. Registered June 1, 1915. KALAMAZOO VEGETABLE PARCHMENT COMPANY, Kalamazoo, Mich. Renewed June 1, 1935, to Kalamazoo Vegetable Parchment Company, Parchment, Mich., a corporation of Michigan.

104,479. BEER. Registered June 1, 1915. PITTSBURGH BREWING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed June 1, 1935.

104,506. CHEWING-GUM AND CANDY. Registered June 1, 1915. FRANK H. FLEER CORPORATION, Philadelphia, Pa., a corporation of Delaware. Renewed June 1, 1935.

104,609. PEANUTS AND PEANUT-BUTTER. Registered June 8, 1915. FLETCHER & WILSON COFFEE CO. Renewed June 8, 1935, to Fletcher-Wilson Coffee Co., Nashville, Tenn., a corporation of Tennessee, assignee.

104,717. A REMEDY FOR THE TREATMENT OF CERTAIN NAMED AFFECTIONS. Registered June 15, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed June 15, 1935.

105,144. WHEAT-FLOUR. Registered July 6, 1915. STANARD-TILTON MILLING CO., St. Louis, Mo. Renewed July 6, 1935, to Stanard-Tilton Co., Alton, Ill., a corporation of Missouri.

105,186. CERTAIN KINDS OF BASE-BALLS, PLAY-GROUND AND INDOOR BALLS. Registered July 13, 1915. JACOB DE BEER, Johnstown, N. Y. Renewed July 13, 1935, to J. de Beer & Son, Albany, N. Y., a firm, assignee.

105,384. DISINFECTANTS AND INSECTICIDES. Registered July 20, 1915. WEST DISINFECTING COMPANY, New York, N. Y. Renewed July 20, 1935, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York.

105,497. WAGONS, AUTOMOBILES, AND MOTOR-TRUCKS AND PARTS THEREOF. Registered July 27, 1915. INTERNATIONAL HARVESTER CORPORATION. Renewed July 27, 1935, to International Harvester Company, Chicago, Ill., a corporation of New Jersey, assignee.

105,525. PLOWS (OTHER THAN CULTIVATORS AND HARROWS), MOLDBOARDS, LANDSIDES, PLOW-POINTS, PLOW-BEAMS, AND PARTS OF PLOWS. Registered August 3, 1915. CECIL BILLUPS. Renewed August 3, 1935, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

105,528. CERTAIN NAMED ELECTRICAL APPARATUS AND SUPPLIES. Registered August 3, 1915. DETROIT STOVE WORKS. Renewed August 3, 1935, to Detroit-Michigan Stove Company, Detroit, Mich., a corporation of Michigan, by change of name.

105,537. CERTAIN NAMED MACHINERY, TOOLS, AND PARTS THEREOF. Registered August 3, 1915. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Renewed August 3, 1935, to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey.

105,642. BASE-BALLS. Registered August 10, 1915. JACOB DE BEER, Johnstown, N. Y. Renewed August 10, 1935, to J. de Beer & Son, Albany, N. Y., a firm, assignee.

105,784. ACID-PROOF CONSTRUCTION-CEMENTS. Registered August 17, 1915. CHEMICAL CONSTRUCTION COMPANY, Charlotte, N. C. Renewed August 17, 1935, to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware, assignee.

105,967. CERTAIN NAMED FOODS. Registered August 31, 1915. SOCIETE ANONYME DES ETABLISSEMENTS ROUZAUD "A LA MARQUISE DE SEVIGNE" CHOCOLAT DE ROYAT. Renewed August 31, 1935, to Societe Anonyme des Etablissements Rouzaud Chocolat de Royat "A La Marquise de Sevigne", Royat-les-Bains, France, a corporation of France, successor.

105,970. PLOWS (OTHER THAN CULTIVATORS AND HARROWS), MOLDBOARDS, LANDSIDES, PLOW-POINTS, PLOW-BEAMS, AND PARTS OF PLOWS. Registered September 7, 1915. CECIL BILLUPS. Renewed September 7, 1935, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

LABELS

REGISTERED MAY 14, 1935

45,567.—*Title:* DELUXE SHU-STILES FOOTWEAR. For Footwear. BIRD & SON, INC., East Walpole, Mass. Published March 22, 1935.

45,568.—*Title:* ARCH IMPROVER. For Shoes. BIRD & SON, INC., East Walpole, Mass. Published April 4, 1935.

45,569.—*Title:* LOTION DALVA. For A Lotion. RAPHAEL DAVID DALVA, New York, N. Y. Published December 10, 1934.

45,570.—*Title:* HOLMSPRAY. For Throat and Nasal Atomizers. T. J. HOLMES COMPANY, INC., Chartley, Mass. Published October 22, 1934.

45,571.—*Title:* LAB-TEST ROCK & MINERAL SET. For An Educational Set for Boys. THE LAB-TEST COMPANY, Kansas City, Mo. Published January 26, 1935.

45,572.—*Title:* POMPERNICKEL BREAD. For Pompernickel Bread. I. MOSH POMPERNICKEL COMPANY, New York, N. Y. Published March 11, 1935.

45,573.—*Title:* S. O. S. For Scouring Pads. THE S. O. S. COMPANY, Chicago, Ill. Published February 26, 1935.

45,574.—*Title:* SORENSEN'S PORCUPINE DISTILLER. For a Distiller. EINAR N. SORENSEN, Fernandina, Fla. Published January 18, 1935.

45,575.—*Title:* Kaukauna Klub. For Cheese Food. SOUTH KAUKAUNA DAIRY COMPANY, Kaukauna, Wis. Published January 1, 1935.

45,576.—*Title:* STALEY'S GLOSS STARCH. For Gloss Starch. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Published February 23, 1935.

45,577.—*Title:* Sve PIERRE SMIRNOFF Fils. For Vodka. Sve PIERRE SMIRNOFF Fils INCORPORATED, New York, N. Y. Published December 29, 1934.

45,578.—*Title:* GENERAL ANTISEPTO. For An Antiseptic Solution. EMIL E. STEINER, Glendale, Calif. Published March 8, 1935.

45,579.—*Title:* TETLEY ELEPHANT BRAND. For Tea. JOSEPH TETLEY & CO., INC., New York, N. Y. Published June 15, 1934.

45,580.—*Title:* TETLEY ORANGE PEKOE & PEKOE. For Tea. JOSEPH TETLEY & CO., INC., New York, N. Y. Published January 4, 1934.

45,581.—*Title:* PRE-JUDGED ON ALL NINE POINTS. For Distilled Alcoholic Liquors. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md. Published March 20, 1935.

45,582.—*Title:* EXTRA FILM TENSION MEANS SAFE LUBRICATION. For Motor Oil. THE UNIVERSAL MOTOR OILS COMPANY, Wichita, Kans. Published January 1, 1935.

PRINTS

REGISTERED MAY 14, 1935

15,137.—*Title:* FOR A LILY-LIKE SKIN. For Cleansing Cream, Skin Cream, and Skin Tonic. ELIZABETH ARDEN SALES CORPORATION, doing business as Elizabeth Arden, New York, N. Y. Published March 21, 1935.

15,138.—*Title:* ELIZABETH ARDEN—ARTIST IN SKIN TONES. For Powder. ELIZABETH ARDEN SALES CORPORATION, doing business as Elizabeth Arden, New York, N. Y. Published March 1, 1935.

15,139.—*Title:* CARSON'S HAS PUT THE SUM TOTAL OF NEW SPRING FASHIONS INTO THESE COATS AND SUITS. For Ladies' Ready-to-Wear Garments. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published March 15, 1935.

15,140.—*Title:* FROCKS THAT MAKE FASHION NEWS PRESENTED IN DRAMATIC VERSIONS AT CARSON'S IN THE SPORTS SHOP AND BETTER FROCKS SECTIONS. For Ladies' Ready-to-Wear Garments. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published March 20, 1935.

15,141.—*Title:* CARSON'S MEETS SPRING MORE THAN HALF WAY WITH A GREAT SALE OF NEW FROCKS. For Ladies' Ready-to-Wear Garments. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published March 6, 1935.

15,142.—*Title:* EVERY DAY SHE BURNS UP AS MUCH ENERGY AS A CHAMPION SPRINTER. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published March 5, 1935.

15,143.—*Title:* FREE GROCERIES FOR ONE YEAR FROM YOUR FAVORITE GROCER. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published March 19, 1935.

15,144.—*Title:* JUNKET MIX. For a Preparation for Making Ice Cream in Automatic Refrigerator or Hand Freezer. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Published March 11, 1935.

15,145.—*Title:* MIGHTY MASTER STROKE. For Men's, Women's, and Children's Outer and Under Clothing, Sheets, Etc. MAISON BLANCHE COMPANY, New Orleans, La. Published March 14, 1935.

15,146.—*Title:* SNAPSHOTS OF MODERN BAKERS. For Baker's Malt. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 23, 1935.

15,147.—*Title:* HOT?.. Tired?.. Thirsty?... IT'S TIME FOR PABST. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 20, 1935.

15,148.—*Title:* IT'S TIME FOR PABST—, No. 3,099. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 12, 1935.

15,149.—*Title:* IT'S TIME FOR PABST—, No. 3,100. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 20, 1935.

REISSUES

MAY 14, 1935

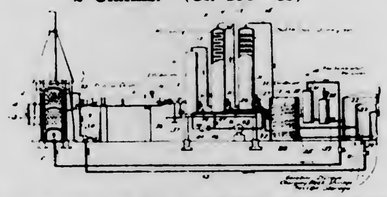
19,568

PROCESS FOR TREATING PETROLEUM HYDROCARBONS

Roy Cross, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del., a corporation of Delaware

Original No. 1,775,067, dated September 2, 1930, Serial No. 729,693, August 2, 1924. Application for reissue August 31, 1932, Serial No. 631,293

2 Claims. (Cl. 196—48)



2. In a process for converting higher boiling hydrocarbons into lower boiling hydrocarbons suitable for motor fuel wherein said higher boiling hydrocarbons are subjected to conversion temperature while maintained at relatively high superatmospheric pressure in a conversion zone for a period sufficient to effect the desired conversion thereof and the converted products while at elevated temperature are passed to a vaporizing zone maintained under pressure sufficiently lower than that maintained in said conversion zone to normally cause substantially all the converted products to separate into vapors and a dry coke difficult to remove; the improvement which comprises fractionally condensing vapors liberated in said vaporizing zone, separately collecting a heavy condensate fraction, an intermediate condensate fraction, and a light final condensate fraction, and introducing intermediate condensate so obtained into said vaporizing zone in an amount sufficient to prevent vaporization of the heavy liquid constituents of said converted products and produce a liquid residue suitable for fuel oil, withdrawing said fuel oil from said vaporizing zone at a substantially constant rate sufficient to prevent the accumulation of large quantities of fuel oil therein, and returning said heavy condensate to said conversion zone.

19,569

ANÆSTHETIC COMPOSITION

Samuel D. Goldberg, Brooklyn, N. Y., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York

No Drawing. Original No. 1,924,685, dated August 29, 1933, Serial No. 500,671, December 6, 1930. Application for reissue December 14, 1934, Serial No. 757,530

10 Claims. (Cl. 167—52)

1. An anæsthetic solution for hypodermic injection containing a solvent, an acid containing anæsthetic material for local anæsthetic, a vasoconstricting material and a buffer including a weak acid to dissolve and maintain said vasoconstricting material in solution and to modify the pH of the solution, said solution being substantially stable and having a pH value in a range from approximately 5.7 up to approximately neutral.

19,570

METHOD AND APPARATUS FOR CEMENTING WELLS

Erle Palmer Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla., a corporation of Delaware

Original No. 1,860,669, dated May 31, 1932, Serial No. 588,110, January 22, 1932. Application for reissue January 18, 1933, Serial No. 652,387

32 Claims. (Cl. 166—21)



1. In a method of cementing long strings of casing in a well hole, the steps of: alternately introducing predetermined volumes of a cementitious material and hydraulic fluid into a casing; ejecting the lowermost volume of cementitious material from said casing into a well hole while retaining the hydraulic fluid immediately thereabove, and then ejecting the cementitious material next above said ejected volume into the well hole at a point above said retained volume of hydraulic fluid.

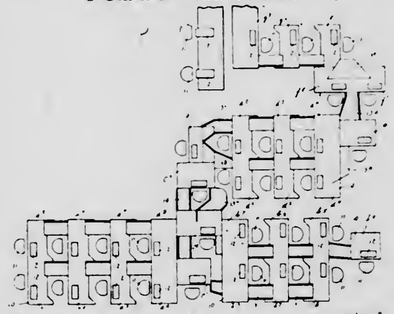
19,571

METHOD OF MANUFACTURING GARMENTS

Folkert Allen Schmidt and Henry H. Kramer, Terre Haute, Ind., assignors to Stahl-Urban Company, Terre Haute, Ind., a corporation

Original No. 1,981,124, dated November 20, 1934, Serial No. 675,908, June 15, 1933. Application for reissue February 18, 1935, Serial No. 7,151

4 Claims. (Cl. 2—243)



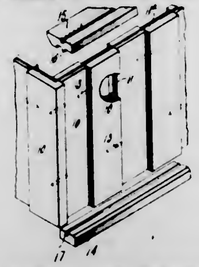
4. A method of manufacturing garments hav-

ing portions for covering the torso and at least two limbs and including right and left blanks, said method comprising moving a series of left blanks through certain stations toward a predetermined station, separately moving a series of right blanks through other certain stations toward another predetermined station, performing on each of said blanks during their travel minor assembly operations, moving toward said predetermined stations other sections of the garment to be united separately to said left and right blanks, performing on said other sections minor assembly operations during their travel to said predetermined stations, separately uniting said left and right blanks to said other sections at said separate predetermined stations, and moving said united left and right blanks and other sections through successive stations and performing thereon successively finishing operations.

PATENTS

GRANTED MAY 14, 1935

2,000,897
BUILDING CONSTRUCTION
Frank H. Alcott, Jamaica, N. Y.
Application January 5, 1933, Serial No. 650,227
5 Claims. (Cl. 20—1)



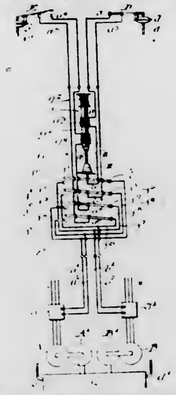
1. A building construction comprising a plurality of similar interlocking plank members, tongues and grooves on opposite longitudinal edges of said plank members adapted and arranged to match and fit the respective grooves and tongues of each similar adjacent member, said tongues and grooves being uniformly offset from a plane described through the middle of the edge portions of each plank, each alternate plank being reversed end for end so that the faces of adjacent members are out of alignment, and means extending through said longitudinal edges rigidly connecting said members together.

2,000,898
GARMENT
Eleanor Donaldson, Minneapolis, Minn.
Application November 10, 1932, Serial No. 641,961
3 Claims. (Cl. 2—226)



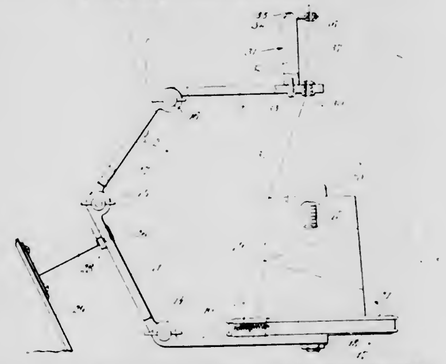
1. An undergarment for women having leg portions and a continuous unbroken close-fitting waist portion, said garment being made of one material which has an appreciable stretch in one direction but comparatively little stretch in a direction at right angles thereto, said garment having the material at the waist portion extending unbrokenly from one side of the garment to the other side, said material at the front being stretchable from side to side, said garment at the rear portion having said material extending unbrokenly from the crotch to the top of said garment and stretchable up and down, whereby said material at the rear will stretch to accommodate bending forwardly and the material at the waist will stretch to permit entry into said garment.

2,000,899
AUTOMATIC CONTROL MECHANISM FOR ELECTRIC MOTORS
Augustus C. Durdin, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1930, Serial No. 429,047
23 Claims. (Cl. 172—239)



20. In combination, two electric motors, circuits therefor, sequentially operable electric switches for controlling said circuits, a double throw switch having contacts in the circuits for the two motors, and electro-magnetic mechanism for actuating said double throw switch, said electro-magnetic mechanism having two coils, each in series with an associated electric switch.

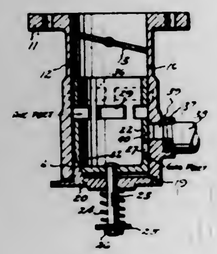
2,000,900
YARN SUPPORT
Carl Epps, Rome, Ga., assignor to Tubize Chatillon Corporation, a corporation of Delaware
Application February 24, 1934, Serial No. 712,748
3 Claims. (Cl. 242—130)



3. A yarn support comprising an adjustable-position link bracket having a supporting link securable to an auxiliary support, a link at one

side of said supporting link adapted to support a spindle, a ballooning link at the other side of said supporting bracket, all of said links being adjustably connected and capable of swinging in substantially the same horizontal plane, a yarn guide carried by the ballooning link, a tension device carried by the ballooning link, said tension device also including a yarn guide, and the yarn guide of the tension device being located further from the supporting link than the yarn guide of the ballooning link.

2,000,901
GAS MIXER
Sam P. Jones, Dallas, Tex., assignor of forty per cent to E. W. Schadek, Dallas, Tex.
Application February 19, 1934, Serial No. 711,954
6 Claims. (Cl. 48—180)



1. A gas mixer comprising, a housing having gas and air inlets, a piston loosely slidable in said housing and having gas and air inlets located to register with the inlets of the housing when the piston is slid in said housing, and means for shifting the loose piston laterally of the vertical axis of the housing to seal off the gas inlets when the piston is moved to a closed position.

2,000,902
FURNITURE PAD
Alfred C. Korte, St. Louis, Mo., assignor to Metalcraft Corporation, St. Louis, Mo., a corporation of Missouri
Application February 27, 1933, Serial No. 658,848
5 Claims. (Cl. 45—137)



1. In a device of the class described, a furniture leg in the form of a sheet metal tube, a pair of integral parallel projections at one end of said tube, opposite perforations in said projections, a section of rubber tubing located between said projections and having the opening therein registering with said perforations, and a pintle mounted in said perforations and passing thru the opening in said section of rubber tubing.

2,000,903
DIESEL ENGINE
Willy Lehmann, Eichwalde, near Berlin, Germany, assignor to Heinrich Kamper Motorenfabrik Aktiengesellschaft, Berlin-Marienfelde, Germany
Application February 20, 1934, Serial No. 712,185
In Germany March 12, 1932
4 Claims. (Cl. 123—182)



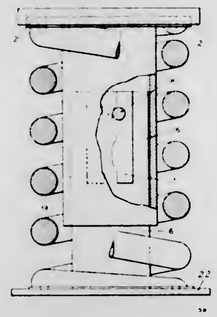
1. In a Diesel engine, the combination of a main compression chamber, an admission valve, an exhaust valve and actuating mechanism for said exhaust valve with an additional compression chamber in communication with the main compression chamber and having a supply inlet for admitting a starting fuel, a change-over valve for closing the communication between the main and additional compression chambers, operating means for moving the change-over valve into and out of the closing position and actuating mechanism for the admission valve including an actuating member adjustable from an operative position to an inoperative position and adjusting means for said actuating member operatively connected to the operating means for the change-over valve for moving the said actuating member into the inoperative position on the change-over valve being moved into the open position and into the operative position after the change-over valve has been moved into the closing position, so as to prevent the admission valve opening while the main and additional compression chambers are in communication with one another.

2,000,904
ROTARY-WINGED AIRCRAFT
Joseph S. Pecker, Philadelphia, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application January 4, 1932, Serial No. 584,641
Renewed July 23, 1934
46 Claims. (Cl. 244—19)



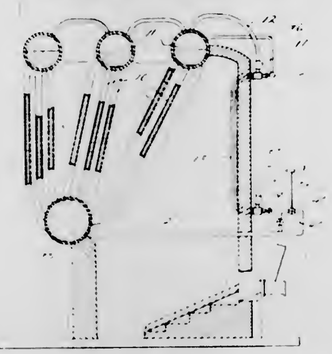
1. In a rotative-wing aircraft, a rotor, a rotor-starter unit, a driving connection for transmitting power from said unit to the rotor, and a replaceable adapter device, cooperating in such manner that different conditions imposed by the rotor construction may be compensated for by replacement of the adapter device.

2,000,905
HELICAL SPRING
John W. Rockefeller, Jr., New York, N. Y.
Application September 1, 1933, Serial No. 687,749
9 Claims. (Cl. 267—1)



1. A helical spring in combination with means for automatically torquing and untorquing same as the spring is progressively deflected axially.

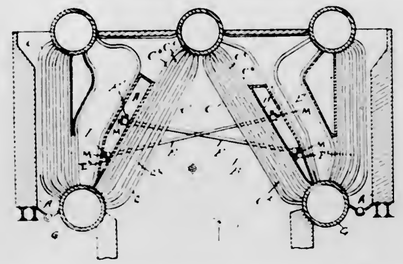
2,000,906
METHOD OF AND APPARATUS FOR SUPERHEATING
Charles S. Turner, Detroit, Mich.
Application January 31, 1931, Serial No. 512,675
21 Claims. (Cl. 122—479)



16. In combination with a furnace and a steam boiler, a water regulated tubular superheater assembly exposed to direct radiation within the furnace and comprising a plurality of longitudinal generally parallel cooling fluid conduits arranged around a similarly extending contained area and having component wall portions exposed to radiation within the furnace, and a steam conduit portion lying at least partially within such contained area and metallically integral with said cooling conduits throughout substantially their entire effective heat-absorbing length.

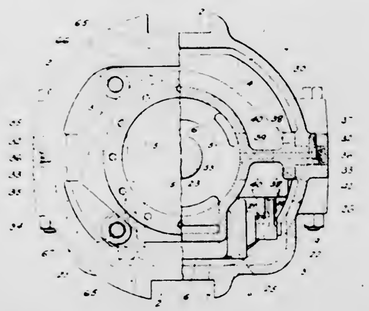
18. The method of controlling superheating action in a superheater structure consisting of separate metallic superheater and cooling water tubes arranged at an angle to the horizontal within a zone of heating and in heat interchanging relation to each other throughout substantially their entire effective heat-absorbing length, which comprises supplying steam and water to the respective tubes, throttling the water supply below the evaporative capacity of the tubes whereby the water will assume a level within the tubes, and raising or lowering such level in accordance with increase or decrease respectively in the temperature of the superheated steam.

2,000,907
SUPERHEATER ASSEMBLY
Charles S. Turner, Detroit, Mich.
Application February 1, 1932, Serial No. 590,108
Renewed October 6, 1934
7 Claims. (Cl. 122—473)



5. In combination with a steam boiler having walls defining a passage through which heated gases of combustion pass, regulatable steam superheating means comprising separate metallic steam and water conduits extending across said passage at an angle relatively to the horizontal and in close proximity, and integral metallic heat bridging portions connecting said steam and water conduits.

2,000,908
POWER HAMMER
Campbell V. Adams, Chicago, Ill.
Original application February 4, 1931, Serial No. 513,269. Divided and this application July 29, 1932, Serial No. 625,755
11 Claims. (Cl. 61—76)



1. In a power hammer, the combination with a multi-part housing, a cylinder, a piston therefor and a ram connected to said piston, all of which are disposed within said housing, diametrically-opposed outwardly-extending flanges on said cylinder adapted to be clamped between adjoining edges of said housing parts for supporting said cylinder within said housing, and means for securing said cylinder in clamping relation between adjoining edges of said housing parts, said securing means fastening said cylinder and one

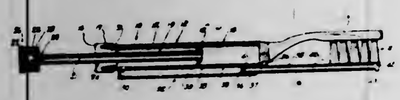
of said housing parts individually together whereby the other housing part may be removed to provide access to the interior of said housing without detaching said cylinder.

2,000,909
METHOD OF MAKING SELF-CLEANING CONTACTS
Alfred Alsaker, Chicago, Ill., assignor to The Delta Star Electric Company, Chicago, Ill., a corporation of Illinois
Original application October 5, 1927, Serial No. 224,969. Divided and this application April 15, 1929, Serial No. 355,067
5 Claims. (Cl. 29—155.55)



1. The method of making a terminal member and securing it to a lead, consisting in inserting a portion of the lead into a suitable length of tubing, then flattening the tubing upon the lead under sufficient pressure to force it into intimate contact with the lead and to cause the tubing to permanently grip and retain said lead, and shaping the terminal member to provide an angularly disposed guide element.

2,000,910
AUTOMATIC TOOTHBRUSH PASTE FEEDER
Harry A. Appel, New York, and Emile Le Blanc, Woodside, N. Y.
Application November 14, 1933, Serial No. 697,882
20 Claims. (Cl. 15—137)



1. A brush having a handle, a head thereon having cleaning means, said handle having means including a chamber, and a member having piston coaction with said means for expression of material from the chamber, said member having communication with the chamber along a limited portion of the path of the member to cause a limited quantity of the material to be expressed from the chamber, and means coacting with said member and being movable along the cleaning means to supply thereto the material expressed from said chamber.

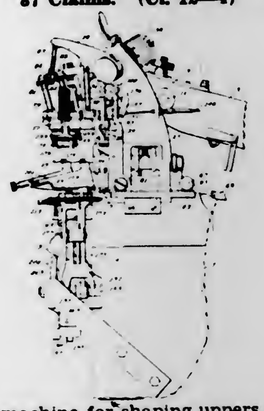
2,000,911
PLANT SUPPORT
William E. Balousek, Chicago, Ill., assignor to W. J. Dennis & Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1933, Serial No. 664,154
3 Claims. (Cl. 47—47)

1. A plant support comprising a tubular stake having a slot along one side thereof, a strip of material arranged and frictionally held within said stake, a plurality of apertures provided in said stake in a manner whereby the strip when detached may be extended through the apertures desired and provide an arrangement which may be varied in accordance with the kind of plant to



be supported, and a label for identifying the plant slidably adjustable in said slot.

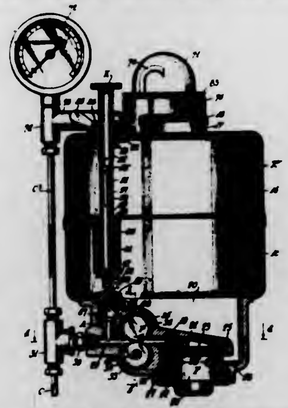
2,000,912
MACHINE FOR SHAPING SHOE UPPERS
Arthur Bates, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 11, 1933, Serial No. 688,885
In Great Britain October 22, 1932
87 Claims. (Cl. 12—4)



1. In a machine for shaping uppers over lasts, the combination with end-embracing wipers movable lengthwise and widthwise of a last to wipe the marginal portion of an upper around an end of the last into lasted position, of mechanism constructed and arranged to engage a binder extending around the end of the upper and movable relatively to said wipers to force the binder against the marginal portion of the upper in the course of the operative movement of the wipers.

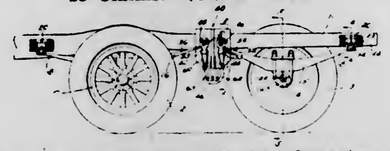
2,000,913
LUBRICATION OF MACHINERY
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application May 5, 1930, Serial No. 449,764
18 Claims. (Cl. 184—7)

1. A lubricating system including in combination a central lubricant reservoir, a system of distributing conduits having invariant flow restricting outlets at the bearings to be lubricated, rated for uniformly proportional lubricant distribution at all rates of flow, a continuously operating pump



for forcing lubricant into the distributing system, and adjustable means for predetermining the absolute rate of flow of lubricant through the outlets, and means to indicate variations in the predetermined absolute flow rate.

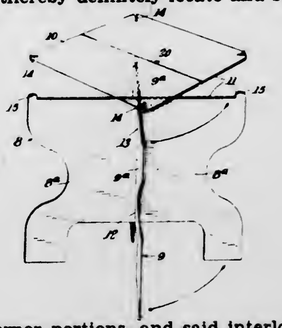
2,000,914
EQUALIZING ATTACHMENT FOR TRUCKS
Ira E. Blair, Los Angeles, Calif.
Application November 20, 1931, Serial No. 576,348
Renewed August 20, 1934
15 Claims. (Cl. 280—104)



1. Spring mechanism of the character described, including: a chassis member; a pair of springs in end-to-end relationship; means for securing the outer ends of said springs to said chassis member; and a load distributor secured to said chassis in proximity to the adjacent ends of said springs, said load distributor including shackles on said adjacent ends of said springs having cable-receiving bars, cable loops extending over said cable-receiving bars, and a pulley member rotatably secured to said chassis, the ends of said cable loops being secured to peripheral portions of said pulley member at unequal distances from the axis of rotation thereof so as to transmit unequal loads to said adjacent ends of said springs.

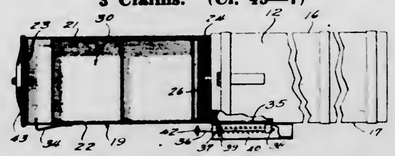
2,000,915
KNOCKDOWN FURNITURE
Valerie F. Blake, New York, N. Y.
Application January 31, 1933, Serial No. 654,408
2 Claims. (Cl. 311—79)

1. A table or the like, comprising folding base members slotted inward from opposite ends and having hinging scores extending from the inner ends of the slots therein, whereby when interlocked by endwise engagement, separated portions of one base member will come opposite and be located by scored portions in the face of the other base member and a folding top member having an intermediate hinging score, said folding top member being supported by said base members and having interlocking engagement at its edges with the outer corner portions of the base members, to thereby definitely locate and secure said



outer corner portions, and said interlocking engagement between the edges of the folding top member and outer corner portions of the base members also holding said folding top member in its spread open position, wherein it holds the folding base members fixedly spaced in spread open relation.

2,000,916
ASH TRAY AND THE LIKE
Arvid S. Bloom, Lompoc, Calif.
Application May 12, 1934, Serial No. 725,374
3 Claims. (Cl. 45—7)

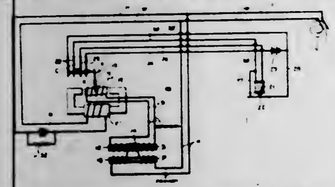


1. A fireproof receptacle for smoker's accessories and the like, which comprises a rectangular sheet metal housing opened at one end and adapted to be embodied within the structure of an article of furniture, a sheet metal drawer slidably mounted within said housing having a floor, parallel side walls and a front wall, a partition wall within the drawer at a point intermediate its ends, a rod extending rearwardly therefrom, a tube telescoping over said rod, a spring holding said tube in its distended position with its rear end projecting beyond the rear end of the drawer to engage the end wall of the housing, and latch means holding the drawer in its closed position and compressing said spring to move the drawer to an opened position when the latch is released.

2,000,917
TRAIN CONTROL SYSTEM
Theodore Bodde, Niagara Falls, N. Y., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y., a corporation of New York
Application October 30, 1926, Serial No. 145,192
34 Claims. (Cl. 246—63)

1. In combination, vehicle carried apparatus including a source of energy, a vehicle carried inductor means including inductively coupled coils operable through said source of energy for producing either of two operating conditions in said apparatus, one operating condition being effected

upon a reduction of the normal transmission of energy between the inductively coupled coils; and a single roadside inductor cooperating with said vehicle carried inductor means, said roadside in-



ductor embodying a circuit devoid of an energy source and operative when closed for influencing the vehicle carried coupled inductor coils to produce the other of said two operating conditions in the vehicle carried apparatus.

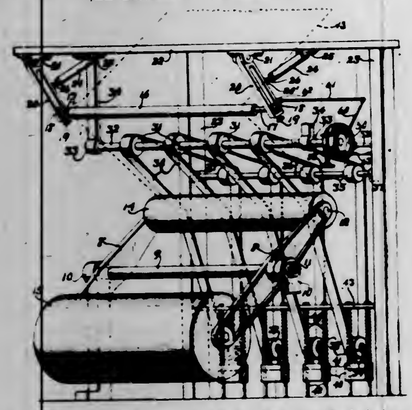
2,000,918

TENSION CONTROL MEANS

Arthur W. Broms, Chicago, Ill.

Application February 23, 1932, Serial No. 594,523

11 Claims. (Cl. 242—75)



1. Tension control means for material traveling from a roll, comprising belt means mounted to have an arced contact with the roll and to be driven thereby, rotary means for supporting said belt means, brake means adjustably applicable to one of said rotary means for retarding its movement and the movement of said belt means to a predetermined extent, for maintaining an even tension in the material, and other brake means connected to said adjustable brake means for automatically stopping the travel of said belt means and roll upon tearing of the material.

2,000,919

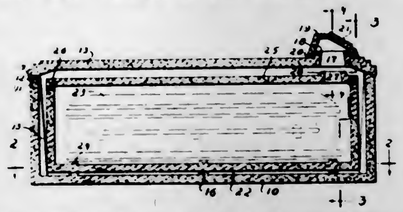
BURIAL VAULT

Charles O. A. Brunk, Detroit, Mich., assignor to Memorial Mausoleum Corporation, Detroit, Mich., a corporation of Delaware

Application July 30, 1932, Serial No. 627,053

8 Claims. (Cl. 72—7)

1. A burial vault structure comprising a closed receptacle adapted to be placed in the ground and having an upwardly projecting stack portion communicating with the interior of the receptacle but exposable to the air above ground, an inner receptacle within the first mentioned receptacle, means for positioning the inner receptacle within the outer in such manner as to permit air circulation between them and about all sides of the inner receptacle, and means within the



inner receptacle to support a casket therein in such manner as to permit circulation of air about all sides thereof.

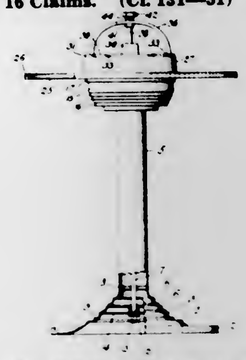
2,000,920

SMOKING STAND

William J. Campbell, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana

Application November 16, 1934, Serial No. 753,260

16 Claims. (Cl. 131—51)



1. In an ash receiver, a housing, a receptacle removably positioned within said housing, said receptacle having a central upwardly extending tube, a cover for said housing including a downwardly and inwardly inclined hopper the lower aperture of which is vertically aligned with the open top of said receptacle and which depends to a horizontal plane lower than the top of said tube, a handle for said cover, a guide extending downwardly from said handle through said tube and into a lower portion of the housing, a locking connection between said guide and the lower portion of the housing and a closure movable on said guide, said closure being normally gravitationally seated against a lower portion of said housing.

2,000,921

MARKING MACHINE

Frank C. Choice, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

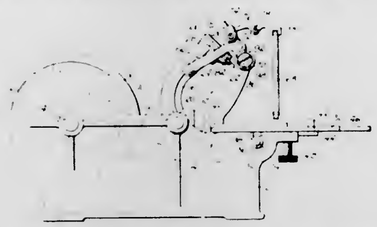
Application October 26, 1932, Serial No. 639,601

In Great Britain November 4, 1931

12 Claims. (Cl. 33—4)

1. A machine for operating upon soles having, in combination, a work support, an operating tool arranged for movement toward and away from said work support, sole-end-engaging means for positioning a sole longitudinally, and means engaging the sole adjacent to the toe end only at

one side and adjacent to the heel end only at the other side for positioning the sole with its longi-



tudinal median line at an angle to the operating tool.

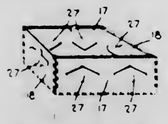
2,000,922

MANUFACTURE OF DISPLAY CARDS, CONTAINERS, AND THE LIKE WITH RAISED FIGURES

Clifford C. Church, Needham, Mass.

Application November 21, 1932, Serial No. 643,692

9 Claims. (Cl. 93—36)



1. The method of making a sheet with raised figures on it which consists in making through-and-through cuts in a sheet along the entire outline of the desired figures thereby to cut said figures entirely free from the sheet but without displacing them from the sheet and with the cuts in the sheet having the same relative position therein as the desired relative position of the raised figures in the finished product and subsequently transferring the previously cut out figures simultaneously from said sheet onto and securing them to another sheet and maintaining the original relative position of the figures during such transfer and attachment to said other sheet by means other than the first-named sheet.

2,000,923

SLEEVE HOLDER

Almond L. Colbiornsen, Belgrade, Minn.

Application January 20, 1934, Serial No. 707,519

17 Claims. (Cl. 24—15)



1. A sleeve holder for use with the sleeve of a garment having the cuff folded back upon the sleeve, said sleeve holder comprising a member for engagement in the bight of the folded part of the sleeve and means for holding the holder attached to the sleeve.

2,000,924

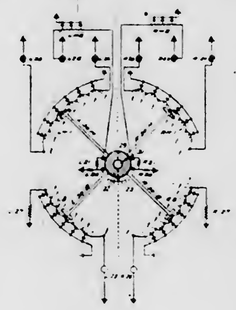
BINAURAL ELECTRIC COMPENSATOR

Roger B. Colton and Harold C. Mabbott, Fort H. G. Wright, N. Y.

Application October 6, 1930, Serial No. 486,734

3 Claims. (Cl. 177—386)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An electrical compensator adapted for use with a plurality of receivers of wave energy, said receivers being arranged in at least two groups and including phase comparing devices operative therewith; means for transmitting the energy from each group of said receivers to each of said phase comparing devices, comprising successive groups of lag lines, each lag line consisting of inductances and capacitances; and means interposed between each group of lag lines and the following lag line, comprising series and shunt resistances forming with each succeeding lag line a network having the reciprocal of its surge impedance equal to the sum of the reciprocals of the surge impedances of the preceding group of lag lines.

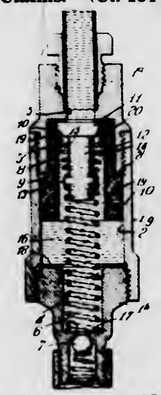
2,000,925

LUBRICANT DISCHARGE VALVE FOR FORCEFEED LUBRICATING SYSTEMS

Irving Cowles, Detroit, Mich., assignor to Union Bank of Chicago, Chicago, Ill., a corporation of Illinois, as trustee

Application August 26, 1929, Serial No. 388,323

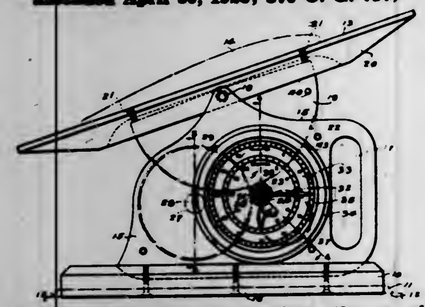
17 Claims. (Cl. 184—7)



1. A valve of the type specified comprising a casing having a cylindrical bore and provided at opposite ends with intake and discharge ports,

a hollow piston reciprocable in said casing and provided with a passage for fluid therethrough, a valve seat bordering one end of said passage and being opposed to the intake port of the casing, a valve controlling said passage and adapted to seat on said valve seat, a spring arranged to maintain said valve normally closed, a second and more powerful spring arranged to maintain said valve open during absence of fluid pressure thereon counter to said spring and to maintain said piston normally at the intake end of said casing, the end wall of the latter bordering the intake port thereof constituting a stop limiting the travel of said valve under the influence of the more powerful spring to thereby cause the first-mentioned spring to seat said valve, and an annular shoulder in the discharge end portion of said casing on which said piston is adapted to seat to interrupt flow of lubricant from the discharge port of said casing as said piston is actuated against the action of the more powerful spring by fluid under pressure entering the intake port of said casing.

2,000,926
PROTRACTOR
Lee G. Cox, Pensacola, Fla.
Application March 22, 1933, Serial No. 662,110
6 Claims. (Cl. 33—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a protractor for checking the angular setting of propeller blades within their respective hub sockets while mounted upon a test stand, in combination, a base plate adapted to slide upon the stand, side plates projecting from said base plate, a blade engaging arm adapted to contact with the face of a propeller blade, said arm having a centrally located pivot pin located in bearings in said side plates, a toothed sector plate adjustably mounted with respect to said arm and projecting between said side plates, a dial graduated to degrees and minutes located exteriorly of one of said side plates, a plurality of pointers for said dial, a chain of ratio gearing between the shafts of said pointers and said sector plate, and manually operated means for imparting a rocking motion to said arm.

2,000,927
PLASTIC COMPOSITION AND METHOD OF WORKING THE SAME
Kenneth H. Crutchfield, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 16, 1930, Serial No. 421,310
15 Claims. (Cl. 18—57)

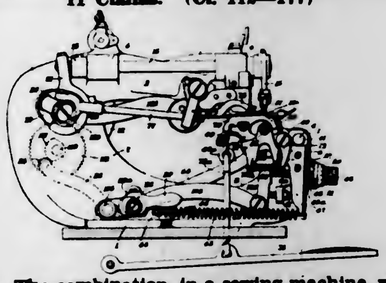
1. Method of rendering compositions containing derivatives of cellulose more plastic comprising incorporating and retaining in said compositions a suitable hydroxy-carboxylic acid adapted to increase the plasticity thereof.

2,000,928
BAG AND METHOD OF MAKING SAME
Robert N. Cundall, Hamburg, and William B. Powell, Buffalo, N. Y., assignors, by mesne assignments, to Bagpak, Inc., a corporation of Delaware
Application January 10, 1931, Serial No. 507,874
18 Claims. (Cl. 229—62)



5. A multiple walled bag, comprising a multiple walled tubular body made of flexible material and having a mouth at at least one side, the outer wall of said bag being slit inwardly from the mouth at diametrically opposite places to points below the mouth of said inner wall and said outer wall between said slits being extended to form two outwardly projecting flaps, fastenings extending through the opposite sides of an inner wall to form a closure for the mouth of said inner wall, a hardening plastic material securing one of said flaps over the mouth of said inner wall and forming a seal for said mouth and also for each end of the holes made in said inner wall by the penetration of said fastenings, and additional hardening plastic material securing the other flap over said first flap.

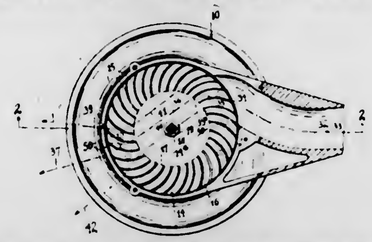
2,000,929
WORK SUPPORTING MEANS FOR SEWING MACHINES
Charles A. Dearborn, New York, N. Y., assignor to American Blind Stitch Machine Company, New York, N. Y., a corporation of New York
Application December 7, 1933, Serial No. 701,297
11 Claims. (Cl. 112—177)



1. The combination, in a sewing machine, with a driving shaft, a yielding work support carrying a ridge forming member, and suitable work feeding and stitch forming mechanisms, of a work controlling member in engagement with said work support, operating mechanism between said shaft and said member, and means for disengaging said operating mechanism from said shaft and holding it against movement.

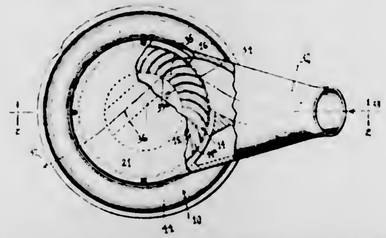
2,000,930
AIR MOTOR
Bela De Nagy, New York, N. Y.
Application February 17, 1934, Serial No. 711,637
5 Claims. (Cl. 253—134)

1. In combination, a housing having annular side walls; a partition wall integral with the side walls and dividing the housing into a closed upper and a downwardly open lower compartment; a shaft revoluble in the axis of said housing; a rotor located in the upper compartment and locked to said shaft; the walls of said upper compartment being provided with intake and outlet air passages; means in the partition wall for permitting exhaustion of air from the lower chamber and



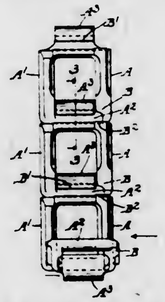
means for driving an operating device received in said lower chamber when the rotor is operated said rotor having curved vanes leaving a free space around the center thereof to permit an air stream to pass from the inlet through a portion of the vanes then through the central space and then through the vanes at a second portion of the rotor.

2,000,931
ALTERNATING ACTION POLISHING MACHINE
Bela De Nagy, New York, N. Y.
Application March 24, 1934, Serial No. 717,243
5 Claims. (Cl. 15—49)



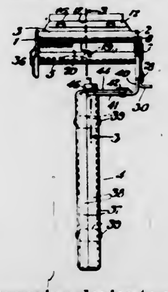
1. In a brushing and polishing machine, a first set of elements for brushing operations; a second set of elements to be used for polishing operations, and means to simultaneously move said first elements into an active operative position and said second elements into an inactive position, of vice versa, said means including a frame structure for said machine, each element being arranged in said frame adapted to move upwardly or downwardly therein to a limited extent; a wedge carried by each element, tapering in the direction of the upward movement thereof, a movable wedge in said frame for each element tapering in the direction of the downward movement of said element, the tapering surfaces of each two respective wedges being adapted to engage each other in a gradually increasing manner and thereby to cause the respective element to gradually move in a downward direction; means to move one set of wedges in the frame into increasing engagement with the wedges on the respective elements and to simultaneously move the other set of frame wedges into decreasing engagement with the wedges on the respective other elements, so as to cause one set of elements to move downwardly and permit the other set of elements to move upwardly, and means to automatically cause said other set of elements to move upwardly when said frame wedges are moved as described.

2,000,932
CHAIN LINK
Peter K. Dewar, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1934, Serial No. 705,665
10 Claims. (Cl. 74—249)



9. In a link for chain belts and the like comprising side bars, a pintle bar and a hook, a projecting portion associated with the hook having a relatively sharp edge and offset with respect to said hook, the distance between such edge and the opposed face of the hook being substantially the same as the thickness of the side bar adjacent the pintle bar.

2,000,933
STROPPING DEVICE
Samuel H. Drake, Groton, N. Y.
Application March 11, 1933, Serial No. 660,347
6 Claims. (Cl. 51—153)

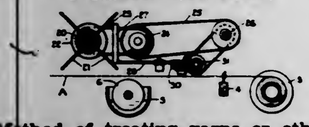


1. A blade stropping device to reciprocate along a strop, comprising a frame; a blade holder pivotally supported by the frame to rock a supported blade into engagement with the strop at opposite sides of the pivot axis of the holder; driving means engageable with the strop and operatively connected to the blade holder to rock the latter as the device is reciprocated along the strop; and means independent of said driving means to automatically rock the blade away from the strop upon reversal of movement of the device along the strop and comprising a lever pivotally supported intermediate its ends by the frame and having portions at opposite sides of its pivot engageable by the blade holder near the limits of its rocking movement toward the strop to rock said lever, and a spring to yieldably resist rocking of the lever.

2,000,934
TREATMENT OF CELLULOSE ESTERS
Camille Dreyfus, New York, N. Y., and Leslie N. Lee, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 26, 1929, Serial No. 342,932
10 Claims. (Cl. 260—102)

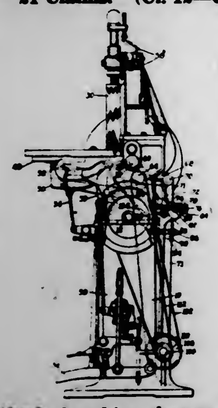
1. Method of preparing an organic ester of cellulose of high resistance to heat comprising esterifying cellulose in an esterifying bath containing sufficient non-solvent for the cellulose ester to be formed so that the same does not enter into solution, mechanically separating the cellulose ester formed, and treating the same while in solid form with a solution of an oxygen-containing acid having a dissociation constant greater than 1.0×10^{-2}, at a temperature substantially that of the boiling point of the solution.

2,000,935
TREATMENT OF TEXTILE MATERIALS
Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application October 28, 1931, Serial No. 571,582
3 Claims. (Cl. 8—20)



1. Method of treating yarns or other textile material which comprises applying to yarn or textile material, while it is travelling, at continuously and progressively varying intervals a substance adapted to modify the properties thereof.

2,000,936
METHOD OF AND MACHINE FOR PERFORMING OPERATIONS UPON SHOE PARTS
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 8, 1933, Serial No. 688,644
21 Claims. (Cl. 12—61)

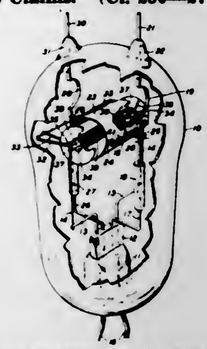


1. A method of making shoe parts and the like which consists in pressing a work piece into a matrix, skiving the work piece to a form determined by the matrix, and buffing the exposed surface of the work piece while the work piece is still in the matrix.

2,000,937
COMPOSITE REACTION PRODUCT
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 17, 1927, Serial No. 213,695
10 Claims. (Cl. 260—3)

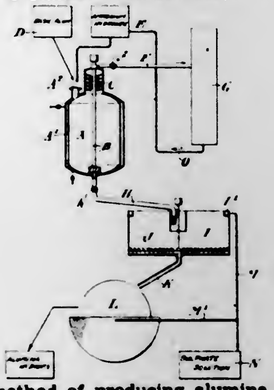
1. A resinous complex consisting of the reaction products of Congo resin, ordinary rosin, phthalic anhydride and glycerol, in combining proportions.

2,000,938
ELECTRON DISCHARGE DEVICE
Clifford E. Fay, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1933, Serial No. 670,692
9 Claims. (Cl. 250—27.5)



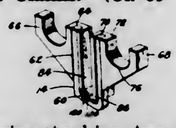
1. An electrode assembly for electron discharge devices, comprising a pair of spaced metallic cylindrical members, a plurality of wires extending between and secured at their ends to said members, said wires constituting an electrode, metallic discs of relatively large area adjacent said cylindrical members, and a plurality of members of high thermal conductivity connecting said discs to said cylindrical members.

2,000,939
MANUFACTURE OF ALUMINA HYDRATE
Arthur Fleischer, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa., a corporation of Delaware
Application July 7, 1933, Serial No. 679,309
3 Claims. (Cl. 23—143)



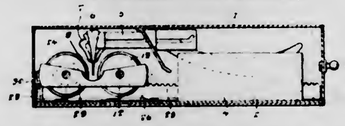
1. The method of producing alumina hydrate which consists in treating in a closed container a suspension of finely divided basic alum in ammonium hydroxide containing ammonia in excess of the amount equivalent to the sulphur trioxide component combined with alumina in basic alum at temperatures above 60° C. to effect the decomposition of the basic alum with formation of insoluble alumina hydrate and a solution of ammonium sulphate and alkali metal sulphate if alkali metal sulphates exist in the basic alum and of ammonia in solution, then driving off from said solution the uncombined ammonia held in solution therein and recovering said ammonia by condensation and absorption and finally separating the alumina hydrate from the ammonia free sulphate solution.

2,000,940
EDGING MACHINE
Joseph Fossa, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 9, 1934, Serial No. 729,847
8 Claims. (Cl. 69—1)



1. In an edging machine, two current carrying conductors, a substantially U-shaped tool, lugs having grooves to receive the legs of said tool and in tight frictional engagement with these legs, and means for clamping the lugs respectively one to each conductor.

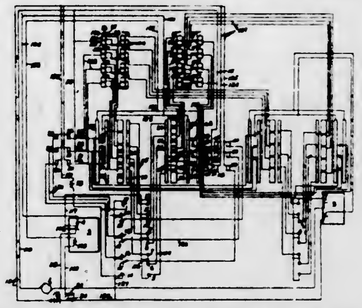
2,000,941
RAZOR BLADE SHARPENING DEVICE
Robert L. Gardner and Roy D. Lloyd, Pittsburgh, Pa.
Application December 27, 1933, Serial No. 704,168
8 Claims. (Cl. 51—86)



1. A sharpening device comprising a support, a slide mounted to said support for movement in opposite directions, a holder pivoted to the support and receiving and frictionally gripping a blade and adapted for oscillatory movement, sharpening rollers mounted to the support for rotation and sliding movements endwise relative to the blade and each having honing and stropping surfaces, means between said sharpening rollers and said holder whereby movement of the slide in opposite directions imparts rotation to the rollers, means for sliding the rollers endwise in opposite directions during the rotation of the latter, and means for intermittently engaging the blade first with the honing surfaces and then with the stropping surfaces of said rollers.

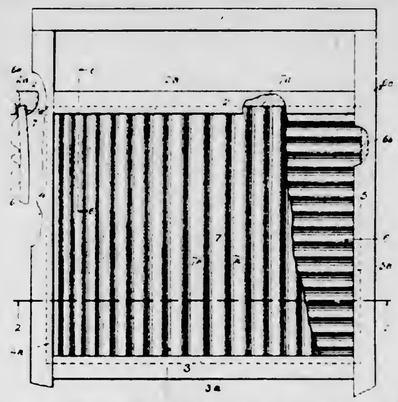
2,000,942
ELEVATOR SIGNALING SYSTEM
Robert H. Gaylord, Los Angeles, Calif.
Application April 6, 1932, Serial No. 603,459
9 Claims. (Cl. 177—336)

1. In an elevator signal system for a plurality of cars, individual landing signals for the cars, signal circuits for the respective cars, car controlled switch means individual to said cars for completing the landing signal circuit for the corresponding car, and means operable upon the establishment of any one of the landing signal circuits to



open all other landing signal circuits for that landing and to maintain said other circuits open during the time such first circuit is maintained established.

2,000,943
WASHBOARD
Charles T. Gilbert, Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill., a corporation of West Virginia
Application December 8, 1934, Serial No. 756,649
4 Claims. (Cl. 68—29)



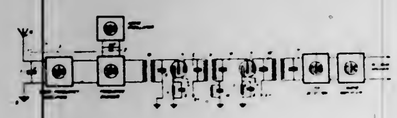
2. In a washboard having a frame with interiorly grooved rails and legs, in combination, a sheet corrugated to present arrises and channels extending throughout its length in the direction of rubbing, the ends of said arrises being engaged in the grooves of said rails, the arrises near the middle of the sheet being deeper than those at the edges thereof, a second sheet corrugated to present arrises and channels extending throughout its width crosswise of the direction of rubbing and having the ends of its corrugations received in the leg grooves, and mid-area of said second corrugated sheet being in back-to-back engagement with the middle arrises of the first sheet and having the ends of its corrugations in bearing engagement with the walls of the grooves in the legs whereby the said second sheet is kept in a resiliently stressed condition and slightly bowed over the said middle arrises of the first mentioned sheet.

2,000,944
REFRIGERATOR ARTICLE RECEPTACLE
Harold H. Gilbert, Mount Clemens, and John R. Replogle, Detroit, Mich., assignors, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich., a corporation of Michigan
Application January 11, 1932, Serial No. 585,890
1 Claim. (Cl. 312—173)



A refrigerator comprising an insulated cabinet having a door opening, a door for said opening, an article container comprising upper and lower frame members secured on the inside of said door, and a pan having flanged edges supported on the lower one of said frame members and providing a bottom closure member for said container.

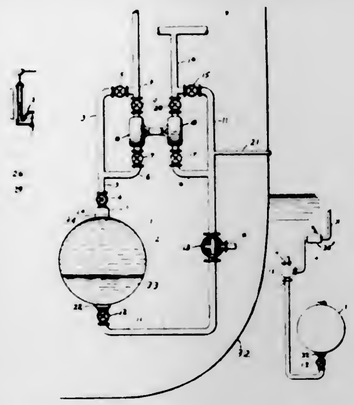
2,000,945
RECEIVER DETECTOR CONTROL
David Grimes, Dongan Hills, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 12, 1931, Serial No. 543,857
13 Claims. (Cl. 250—20)



1. In combination with a superheterodyne receiver including an intermediate frequency amplifier consisting of an electron discharge tube provided with a grid circuit tuned to a desired intermediate frequency, means in the cathode circuit of said tube for biasing the grid of said intermediate amplifier tube, and additional means in the grid circuit of said tube for increasing the bias on the grid when surging positive with strong signals.

2,000,946
APPARATUS FOR DISPENSING INFLAMMABLE FLUIDS
Clyde M. Hamblin, Washington, D. C.
Application March 2, 1934, Serial No. 713,760
11 Claims. (Cl. 221—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for dispensing inflammable fluids, comprising a container, a conduit leading from the top of said container, a conduit leading from the bottom of said container, means to draw the fluids through said first conduit and means in said second conduit operated by the velocity head



of the fluid passing therethrough to drive said first mentioned means.

2,000,947
THRUST SCREW CONNECTER
Adalbert Hauser, New York, N. Y.
Application November 18, 1933, Serial No. 698,616
19 Claims. (Cl. 221—60)

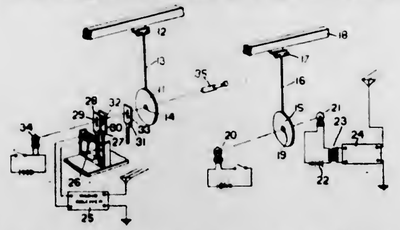


1. A mechanical connecter comprising a male and a coacting female member, one of said members having a resilient spring loop fixed thereabout, the other of said members having an inclined ridge of such diameter as in the application of said elements to depress the spring member out of the path of the rigid member, the element carrying said spring member having a backing portion for the latter to retain the same against displacement from the inclined rigid member in any relative rotary movement of the parts, whereby the elements can be assembled by a direct thrust and subsequently tightened or removed by a rotary movement.

2,000,948
APPARATUS FOR DETERMINING THE FORCE OF GRAVITY
Harvey C. Hayes, Washington, D. C.
Application August 16, 1927, Serial No. 213,427
1 Claim. (Cl. 265—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In apparatus for determining the gravitational constant at a desired point, a gravity sensitive pendulum located at said point, radio receiving devices adjacent said pendulum and adapted to receive pendulum controlled signals transmitted from a point at which the gravitational constant is known, means provided with an opening and controlled by said radio receiving devices, said

pendulum being provided with an opening adapted to be aligned with said first mentioned open-



ing, and means for determining when said openings are in alignment.

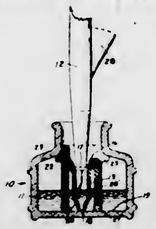
2,000,949
FOOT ARCH SUPPORT
Julius Heller, Neunkirchen, Austria, assignor to firm Schrauben- und Schmiedewaarenfabriks-Actiengesellschaft Brevillier & Co. und A. Urban & Soehne, Vienna, Austria, a company of Austria
Application February 24, 1933, Serial No. 658,395
In Austria March 2, 1932
4 Claims. (Cl. 36—71)



1. A foot arch support comprising plate means, supporting springs connected with said plate means, means for adjusting the tension of the said supporting springs, said last named means including an element adapted to turn, means in permanent engagement with said element for limiting the turning of said element in one direction to a predetermined limit by engagement with said plate means.

2,000,950
SELF-FILLING FOUNTAIN PEN FILLING DEVICE
Henry C. Hitt, Bremerton, Wash.
Application February 15, 1934, Serial No. 711,379
8 Claims. (Cl. 120—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An adapter for an ink container, comprising a support within the ink container resting on the bottom thereof and of larger diameter near its upper end than the neck of the ink container, and an impervious hollow member attached to said support and extending adjacent the bottom of said container, said larger diameter portion of the support contacting under the throat of the ink container providing a substantially secure



contact between the throat and bottom of the container.

2,000,951
LUBRICATED CORDAGE
Walter D. Hodson, Chicago, Ill.
Application September 17, 1934, Serial No. 744,426
7 Claims. (Cl. 117—53)



1. Cordage comprising relatively unabsorbent fibrous rope strands having a finely divided fibrous material of markedly higher lubricant-absorbing powers than the rope fibres loosely permeated throughout the interstices of the rope strands and having a lubricant distributed throughout said rope strands and absorbent fibrous material.

2,000,952
WIRE ROPE
Walter D. Hodson, Chicago, Ill.
Application October 10, 1932, Serial No. 637,007
4 Claims. (Cl. 117—59)

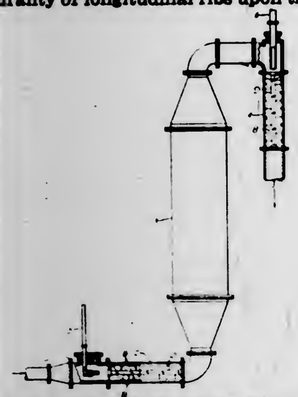


1. A wire rope comprising a plurality of strands of wire wound about and pressing upon a fibrous core, said core comprising fibrous rope strands having a finely divided fibrous material having markedly higher lubricant absorbing powers than the rope fibres loosely permeated throughout the interstices of the rope strands and having a lubricant distributed throughout said core and absorbent fibrous material.

2,000,953
MEANS FOR REACTING SEMIFLUID MATERIALS
Paul Hooker, Thomas L. B. Lyster, and John D. Rue, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
Application October 30, 1933, Serial No. 695,876
6 Claims. (Cl. 259—4)

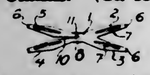
1. In a system for contacting a reagent with a stream of semi-fluid material flowing in a closed

cylindrical conduit, a mixing device comprising a helical baffle wound around a shaft and coaxially disposed within said conduit, in combination with a plurality of collars upon said shaft and a plurality of longitudinal ribs upon the inner



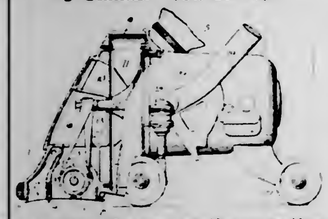
face of said conduit, said collars and ribs projecting into the path of flow defined by said helical baffle, whereby inner layers of said material are continuously moved outward and outer layers are continuously moved inward.

2,000,954
BAIT CLIP
Alva Elmer Hopkins, Tacoma, Wash.
Application October 17, 1932, Serial No. 638,117
12 Claims. (Cl. 43—40)



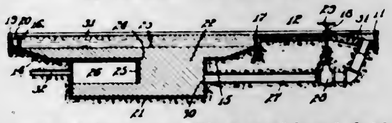
1. A live-bait clip for use with fishing lines, for securing thereto live bait or the like, comprising a pliable metal device adapted to be bent into U-shape to engage opposite sides of a piece of bait, and formed with two legs at each side, a tip on each leg directed inwardly when the device is bent in U-shape, and means at the bend to engage and hold the line, by movement transversely of the length of the line.

2,000,955
SUCTION CLEANER
Willis F. Hudson, Riverside, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 23, 1933, Serial No. 703,687
5 Claims. (Cl. 15—8)



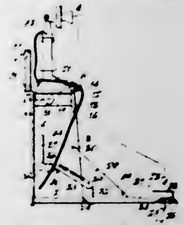
1. In a suction cleaner, suction-creating means, a first nozzle, a second nozzle, an agitator in said second nozzle, said suction-creating means functioning to draw air from said nozzles in the operation of the cleaner, a common lip between said nozzles movably mounted, and means resiliently urging said lip into contact with the surface covering with a force of the magnitude of the force exerted by the suction-lifted surface covering which it contacts.

2,000,956
METHOD OF AND APPARATUS FOR CLEANING, STERILIZING, AND SMOOTHING BEACHES
Frank B. Hunter, Indianapolis, Ind.
Application October 19, 1931, Serial No. 569,683
13 Claims. (Cl. 4—172)



1. The combination with a sand beach laid on a substantially waterproof base, of means for introducing liquid to said beach at a point below the surface of the sand, and means for withdrawing said liquid from said beach from a point below the surface of the sand.

2,000,957
COMBINATION TELEPHONE STAND AND TELEPHONE DIRECTORY SECRETARY
John G. Hunter, Columbus, Ohio
Application November 1, 1932, Serial No. 640,716
7 Claims. (Cl. 45—6)



1. A secretary having a chambered body provided with a door hingedly connected at its bottom edge to the body, a brace to hold the door when opened in an approximately horizontal plane, a leaf hingedly mounted at its lower edge on the door and a baffle stop located within the body by which the leaf is deflected upwardly and away from the back of the body as the door is closed.

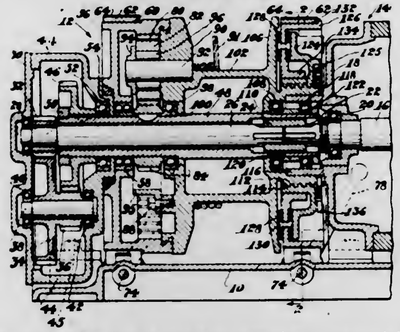
2,000,958
AUTOMATIC SACKING AND WEIGHING APPARATUS
René Jarrier, St.-Quentin, France, assignor to Bartlett Arkell, New York, N. Y.
Application May 1, 1928, Serial No. 274,329
In France May 20, 1927
9 Claims. (Cl. 249—60)



1. A machine for the automatic sacking and weighing of materials in a divided state, comprising in combination weighing means, means for conveying the material to be sacked, means operatively connected to said weighing means for automatically stopping said conveying means when a given weight of material has been sacked,

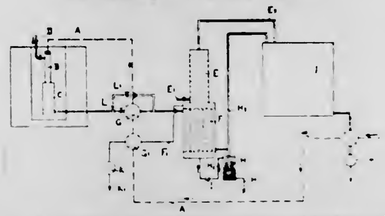
a rolling truck, a platform pivoted to said truck about a substantially horizontal axis and means for fastening said platform in the horizontal position and releasing the same at will and supporting means upon said platform for maintaining the sacks in the sacking position.

2,000,959
BRAKING MECHANISM
Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 17, 1930, Serial No. 468,531
2 Claims. (Cl. 188—82)



1. A brake for a rotary member, comprising non-rotary friction means adjacent the rotary member and movable longitudinally with respect thereto, a clamping member threaded to the rotary member and being movable longitudinally of the rotary member and the friction means to prevent retarding frictional engagement between the clamping member and the friction means, and a spiral spring connected to the members and being subjected to tension during rotation of the members and acting upon cessation of rotation of the members to effect frictional locking engagement between the friction means and both members.

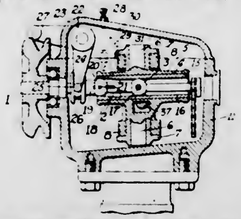
2,000,960
PROCESS AND APPARATUS FOR THE TREATMENT OF HEAVY OILS
Alfred Joseph, Enghien, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application December 11, 1930, Serial No. 501,691
In France November 14, 1930
13 Claims. (Cl. 196—52)



1. In a process for the treatment of heavy oils, the steps of mixing the oil to be treated with steam, vaporizing the oil, cracking the vaporized oil in the presence of a catalyst, condensing the steam and cracked vaporized oil, separating the condensed water vapor from the oil condensate, utilizing the heat liberated during condensation of the cracked vaporized mixture for revaporizing a part of the oil condensate, mixing the revaporized oil with steam in restricted predetermined amount, and dephlegmating said last named mixture.

5. In the production and catalytic refining of low boiling hydrocarbons suitable for motor fuel such as gasoline from high boiling hydrocarbons in definite converting and refining zones the process steps which comprise converting the high boiling hydrocarbons in the presence of steam, condensing the resulting products, separating the fixed gases from the condensate and passing them directly to the refining zone, separating the condensate into water and hydrocarbons, revaporizing at least a part of the hydrocarbons by heat exchange with the products of the converting zone, fractionating the revaporized hydrocarbons in the presence of a small quantity of steam, and conducting the fractionated vapors to the refining zone.

2,000,961
FINISHING MACHINE
Frank Bycroft Keall, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 2, 1932, Serial No. 645,447
In Great Britain December 7, 1931
30 Claims. (Cl. 12—78)



1. In an edge setting machine, an oscillating tool shaft carrying an edge setting tool, a rotatable drive shaft, a member the axis of which is normally oblique to the axis of the drive shaft mounted on said shaft to rotate therewith and for angular adjustment with respect thereto, connections between said member and the tool shaft for oscillating the latter as the drive shaft is rotated, and means for angularly adjusting the said member with respect to the drive shaft.

2,000,962
CAN OR JAR OPENER
Franz K. Krag, Chicago, Ill.
Application August 13, 1932, Serial No. 628,661
3 Claims. (Cl. 81—3.1)



1. A can opener comprising a handle having a rack thereon, a clamping jaw fixed to the handle, a second clamping jaw slidably mounted on the handle, a lever pivotally associated with the second jaw, and a pawl pivotally connected to the lever and adapted to coact with the rack to prevent separation of the jaws, the lever and pawl forming a toggle-joint connection between the second jaw and the rack, the pawl comprising a U-shaped member with its ends pivoted to the lever and resiliently pressing against the lever adjacent the pivoted point.

2,000,963
OUTSOLE REMOVING MACHINE
Axel A. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 5, 1932, Serial No. 645,716
22 Claims. (Cl. 12—1)



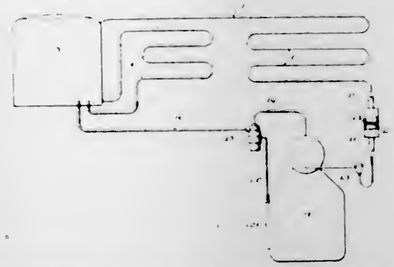
1. In a machine for operating upon shoes, guiding means adapted to be inserted between a sole and a shoe bottom, and means for separating the sole from the shoe bottom as the marginal portion of the shoe bottom is progressively presented thereto, said last-mentioned means having surfaces which converge to form a cutting edge, that surface adjacent to the shoe bottom extending at an angle to the direction of the feed movement of the shoe.

2,000,964
PROCESS OF POLYMERIZING MONO-OLEFINES
Samuel Lenher, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 27, 1933, Serial No. 653,831
10 Claims. (Cl. 260—170)

1. A process of polymerizing mono-olefines to form mono-olefines of a greater molecular weight, which comprises heating a mono-olefine having less than 10 carbon atoms under a temperature of 400°–700° C. while admixed with oxygen of a concentration of between about 0.5% and 5% based on the olefine.

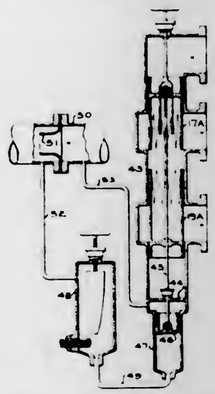
2,000,965
REFRIGERATING SYSTEM
Carl E. L. Lipman, Chicago, Ill., assignor to Lipman Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 8, 1933, Serial No. 669,908
2 Claims. (Cl. 62—115)

2. A refrigerating system comprising a continuously operating compressor, a condenser, an evaporator of the flooded type located to receive refrigerant by gravity from the condenser, pipe lines connecting said compressor, evaporator and condenser to form a closed refrigerant circuit, means in the line between the condenser and evaporator for restricting the flow of refrigerant to the evaporator during refrigerant circulating periods while permitting the contents of the condenser to collect by gravity in the evaporator during non-circulating periods, means for preventing back flow of collected refrigerant from the evaporator to the condenser, and means for



automatically shutting off the suction line between the compressor and evaporator to initiate a non-circulating period upon the development of a predetermined temperature in the evaporator.

2,000,966
REGULATING VALVE
Charles E. Lucke, New York, N. Y., assignor to Bailey Meter Company, a corporation of Delaware
Application November 17, 1931, Serial No. 575,604
7 Claims. (Cl. 137—166)

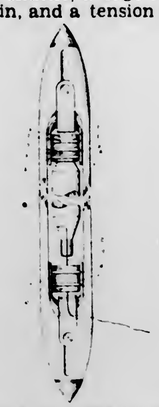


1. A fluid regulating valve, comprising a casing from which flowing fluid passes through a plurality of outlets, valve means in said casing for proportioning the flowing fluid to said outlets, and automatic means for varying said proportionality, said automatic means responsive to a measure of the total flow of fluid through said casing.

2,000,967
LOOM SHUTTLE STRUCTURE
William E. Lundgren, Auburn, Mass., assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass., a corporation of Massachusetts
Application April 7, 1933, Serial No. 664,854
28 Claims. (Cl. 139—207)

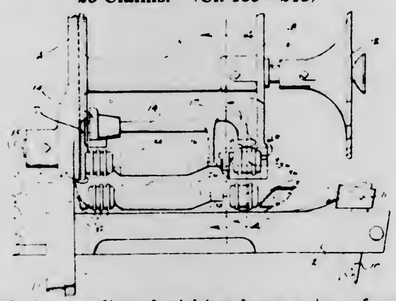
1. In a loom shuttle of the type employed in replenishing looms, a resilient bobbin holding means, a bobbin directly supported by said holding means for automatic insertion within or

ejection from said shuttle, a cage removably secured to said bobbin, and a tension member car-



ried by said cage and mounted in operative relation with said bobbin.

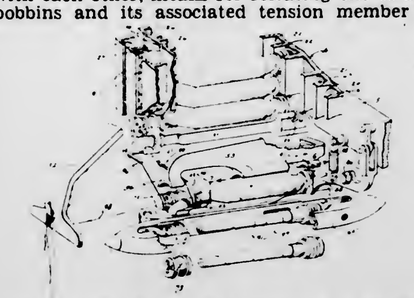
2,000,968
WEFT REPLENISHING LOOM
William E. Lundgren, Auburn, Mass., assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass., a corporation of Massachusetts
Application May 26, 1933, Serial No. 672,935
25 Claims. (Cl. 139—246)



23. In a weft replenishing loom, a transferable bobbin of the conventional ring base type provided with a fixed spindle, a tension device adapted for operative association with said bobbin, a shuttle, means for supporting said bobbin and tension device in replenishable position with relation to said shuttle with the tension device located outwardly of and in spaced relation with the bobbin spindle, and means engaging said bobbin and tension device substantially simultaneously for effecting their transfer to the shuttle while maintained in longitudinally spaced relation with each other during the transfer.

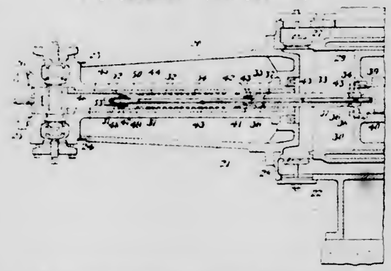
2,000,969
WEFT REPLENISHING LOOM STRUCTURE
William E. Lundgren, Auburn, Mass., assignor, by mesne assignments, of one-half to Sutton Tool Co., Inc., Wilkinsonville, Mass., a corporation of Massachusetts
Application May 26, 1933, Serial No. 672,936
13 Claims. (Cl. 139—258)

1. In a weft replenishing loom of the stationary magazine type, a shuttle, a plurality of transferable bobbins and separate tension members, means for supporting each bobbin and its associated tension member in axial alignment with each other while the several bobbins and tension members are supported in superposed relation with each other, means for releasing one of said bobbins and its associated tension member to



permit movement of said bobbin and its associated tension member into position for transfer while retaining them in operative relationship with each other, and means for transferring said bobbin and its associated tension member to the shuttle substantially simultaneously.

2,000,970
PISTON ASSEMBLY
Raymond C. McAllister, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application November 15, 1934, Serial No. 753,129
6 Claims. (Cl. 309—4)

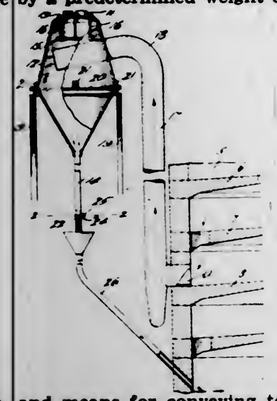


1. A piston assembly, comprising a plurality of pistons arranged in tandem, a spacer interposed between adjacent pistons to transmit the movement of one piston to another, cooperating spherical surfaces on the spacer and adjacent pistons to permit of relative angular disalignment of the pistons, and means connected to adjacent pistons to maintain the spherical surfaces in contacting relationship with each other.

2,000,971
COLLECTOR FOR FULLER'S EARTH
Bert Manross, Warren, Pa.
Application November 4, 1930, Serial No. 493,457
6 Claims. (Cl. 183—85)

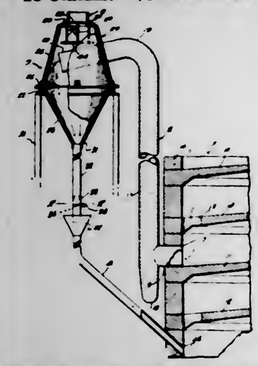
1. A collector for interpolation between a drier and its stack comprising a casing having an inverted conical lower portion and a dome-like upper portion provided with a stack connecting opening, a baffle beneath the stack opening, a pipe leading from the drier, a downwardly angular portion on the pipe passing through one side of the casing to a point near the opposite side of the casing below the baffle, a particle receiving conduit depending from the

lower portion of the casing, a valve in the conduit openable by a predetermined weight of particles



thereon, and means for conveying to the drier particles which have passed the valve.

2,000,972
REVIVIFIER
Bert Manross, Warren, Pa.
Original application November 4, 1930, Serial No. 493,457. Divided and this application January 23, 1933, Serial No. 653,147
13 Claims. (Cl. 263—26)



7. In a fuller's earth revivifying apparatus including a particle separating and collecting device, and a multiple hearth revivifying furnace, a stack communicating with the interior of the furnace between two adjacent upper ones of the hearths of the furnace and with said device, a separated particle returning conduit leading from said device and communicating with the interior of the furnace at a point between two adjacent lower ones of the hearths.

2,000,973
REVIVIFYING FULLER'S EARTH
Bert Manross, Warren, Pa.
No Drawing. Original application November 4, 1930, Serial No. 493,457. Divided and this application January 23, 1933, Serial No. 653,148
8 Claims. (Cl. 252—2)

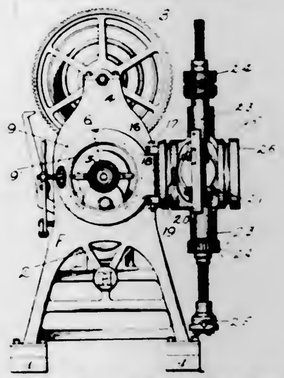
1. In a process of separating and collecting both the heavier and the lighter particles of fuller's earth entrained in gaseous products of combustion of a fuller's earth revivifying furnace, the steps of confining said products while hot in a manner to permit the same to rise by natural draft to a higher level at a sufficiently high temperature to prevent the occurrence of condensation in said products, then directing the risen products downwardly from said level so that they flow in a declining course, confining air so as to produce a dead air space into which the declining products flow whereby gravitational separation of said fuller's earth particles from said products takes place, and collecting the separated fuller's earth particles as they fall through said dead air space, while permitting said products to escape, the air confined in said dead air space being heated by the incoming products and particles to a sufficiently high temperature to obviate the occurrence of condensation therein and in the collected particles and whereby packing of the collected fuller's earth particles is positively prevented.

2,000,974
TRAFFIC BUFFER
Andrew W. Mead, Seattle, Wash.
Application May 25, 1934, Serial No. 727,567
4 Claims. (Cl. 256—1)



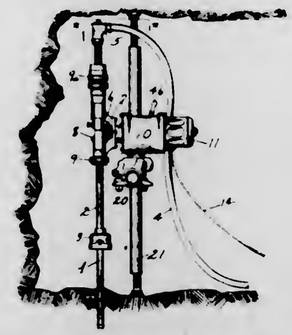
1. The combination with safety zone traffic obstructions of a traffic buffer comprising a single stationary member arranged in alignment with and adapted to shield the safety zone obstructions, a movable member arranged to slidably move into the stationary member, and yielding means interposed between the stationary and movable members that is adapted to restrain slidable movement of the movable member with respect to the stationary member.

2,000,975
RIG FOR ROTARY DRILLS
William J. Mitchell, San Francisco, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application June 28, 1933, Serial No. 678,014
3 Claims. (Cl. 255—19)



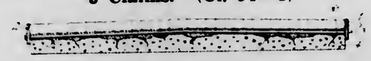
1. In a drill rig the combination with a supporting frame having a bearing ring, a swivel head mounted in said bearing ring and a face flange on said swivel head engaging one side of the bearing ring, a detachable retaining ring on the swivel-head engaging the other side of the bearing ring, a drill-head hinged on the swivel-head, and detachable fastening means for said drill-head and swivel head.

2,000,976
ROTARY DRILLING MACHINE
William J. Mitchell, San Francisco, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 24, 1933, Serial No. 681,864
13 Claims. (Cl. 255—53)



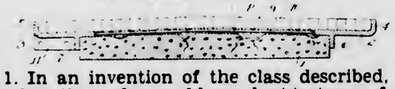
1. In a drilling machine, the combination with a transmission case, a motor rigidly attached at one end of the case and a motor shaft, of a drill head and a swivel connection between said drill head and the other end of the case, a drive shaft alined with the motor shaft and disposed as the axis for the swivel connection, variable speed transmission mechanism between the motor shaft and the drive shaft and operating means in the drill head actuated by said drive shaft.

2,000,977
MEANS OF RESURFACING CONCRETE PAVEMENT
William H. Moseley, Springfield, Ill., assignor of one-tenth to Samuel W. Banning, trustee, Chicago, Ill.
Continuation of application Serial No. 494,743, November 10, 1930. This application August 2, 1933. Serial No. 683,283
3 Claims. (Cl. 94—4)



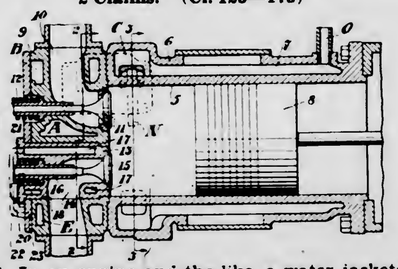
1. In an invention of the class described, the combination of an old road structure of integrally massed hard materials presenting substantially vertical side edges and a top surface presenting irregularities in contour due to disintegration of the surface, longitudinally extending vertically standing rigid side plates on each side of the old road structure presenting their lower margins in flatwise contact and close abutment with the side edges of the old road structure, said plates extending upwardly above the old road structure, a newly laid smooth surfaced layer of road surfacing materials overlying the old road structure and filling in the inequalities in the surface thereof and confined between the upstanding side plates and constituting a new road surface, and means for anchoring the side plates against lateral displacement under pressure.

2,000,978
MEANS FOR RESURFACING AND WIDENING ROAD STRUCTURES
William H. Moseley, Springfield, Ill., assignor of one-tenth to Samuel W. Banning, trustee, Chicago, Ill.
Continuation of application Serial No. 478,001, August 27, 1930. This application August 2, 1933. Serial No. 683,284
10 Claims. (Cl. 94—4)



1. In an invention of the class described, the combination of an old road structure of integrally massed hard materials presenting at its sides substantially plane vertical edges, metallic extension plates extending longitudinally along each of the edges of the old road structure and comprising in each instance a substantially horizontal body portion having its inner margin overlapping and resting upon the horizontal marginal surface of the old road structure and supported thereby and the remainder of the body extending outwardly from the old road structure and provided at its outer edge with an upturned marginal flange, each of the extension plates further having an intermediately disposed downwardly extending vertical flange abutting against the proximate plane vertical edge of the old road structure, means for anchoring the extension plates against lateral displacement and new surfacing material extending in uninterrupted condition over the surface of the old road structure and over the bodies of the extension plates and up to the outer marginal flanges thereof.

2,000,979
WATER JACKET CONSTRUCTION FOR ENGINES
Mortimer S. Parkhill and Charles W. Taylor, Corning, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 12, 1932, Serial No. 622,090
2 Claims. (Cl. 123—173)

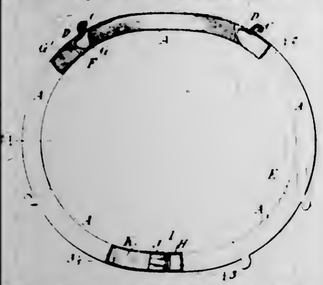


1. In an engine and the like, a water jacketed cylinder, a head therefor having inlet and exhaust passages, a connection for introducing cooling water from supply into the head adjacent the exhaust passage, there being a passage in the head for conveying all the water successively around the exhaust passage and the inlet passage, and a connection for conveying the water from the vicinity of the inlet passage to the cylinder.

2,000,980
SAFETY BELT OR THE LIKE
Eugene V. Myers, East Orange, N. J.
Application November 3, 1931, Serial No. 572,755
14 Claims. (Cl. 224—5)

1. A safety belt comprising a plurality of metallic compartments provided with hinging mem-

bers at opposite ends, said hinging members being detachable only when the compartments are in a predetermined angular relation to each other which they cannot assume when the belt



is on the body of the wearer, and said hinging members comprising inter-engaging hook members connectable in such angular relation and unconnectable in other relations.

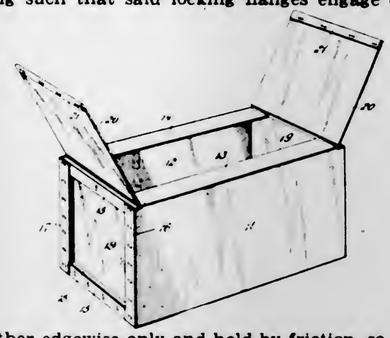
2,000,981
KITCHEN CABINET
Carl B. Parsons, Detroit, Mich.
Application July 21, 1930, Serial No. 469,290
Renewed January 18, 1933
5 Claims. (Cl. 312—141)



3. In combination with a cabinet structure of the character described, a horizontal element fixedly positioned therein, a supporting member rested upon said horizontal member, and a tray-like unit having an open front positioned upon said supporting member, the three walls of said tray-like unit being spaced inwardly from the walls of said cabinet structure and flared at the top around the periphery thereof to engage said cabinet walls.

2,000,982
REENFORCED FIBER BOARD BOX
Karl W. Petersen, Keokuk, Iowa, assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, a corporation of Delaware, and one-half to South West Box Company, Sand Springs, Okla., a corporation of Delaware
Application November 22, 1932, Serial No. 643,900
5 Claims. (Cl. 229—23)

2. A fiber board box comprising a body and folding cover flaps hinged to the body and overlapping each other to close the top of the body; and a locking flange extending crosswise of each flap at the end, the extent of the overlapping being such that said locking flanges engage each



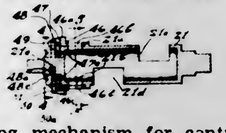
other edgewise only and hold by friction, so that the flaps lock when the box is completely closed.

2,000,983
CLOSURE FASTENING MEANS
Sverre Quisling, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application October 21, 1933, Serial No. 694,669
4 Claims. (Cl. 24—205)



1. A fastener of the class described comprising a pair of flexible stringers, and cooperating rows of interlocking members on the adjacent edges of said stringers, each member comprising a piece of sheet material folded double and having parallel side edges and square corners adjacent the folded end, the folded end at one corner being closed and at the opposite corner being open to receive the closed corner of a similar member, the ends of said folded piece serving as means for attaching the member to the stringer, said member being positioned at an acute angle to the stringer edge so that said open corner projects farther from the stringer than the closed corner to permit interlocking engagement of the open and closed corners of the opposite rows of members.

2,000,984
ROTARY FLUID DRIVEN MOTOR
Gerhardt Plato, Chicago, Ill.
Application June 15, 1931, Serial No. 544,546
3 Claims. (Cl. 137—142)



3. Governing mechanism for controlling the effective port opening of a ported cylindrical valve having continuous rotation, comprising a port controlling member rotatable with said valve and also capable of movement relatively to said valve, said valve having a portion ported to cooperate with said port controlling member, and governor mechanism rotatable with said valve, said governor mechanism comprising an arm mounted for rotation and for outward movement centrifugally, a lever pivotally supported at its

mid portion by said valve and at one end engaging said arm, operating connections between the other end of said lever and said member, and a spring opposing outward movement of said arm.

2,000,985
LIGHT MODIFYING DEVICE
Eldridge W. Quinlan and Ann Reader Quinlan, Chicago, Ill.
Application April 30, 1934, Serial No. 723,071
3 Claims. (Cl. 240—2.25)



1. In combination with a lamp, a shade therefor capable of transmitting a portion of the light, said shade having a layer thereon consisting of a light transmitting body or carrier in which is mixed and held a light reflecting pigment and an element capable of being energized so as to become a light source in itself, said pigment and said element being present in said body in proportions to render said layer translucent with respect to the radiated light.

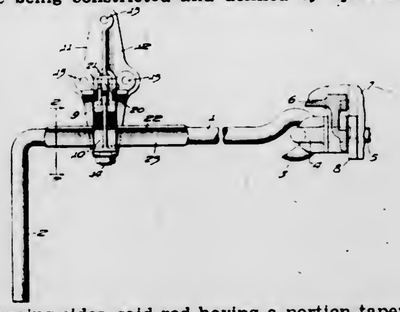
2,000,986
RECTIFIER AND FILTER CIRCUIT
Rudolf Rechnitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 25, 1929, Serial No. 365,843
In Germany July 4, 1928
2 Claims. (Cl. 250—27)



1. In an electrical rectifying and filtering system, the combination of a source of alternating current energy, a rectifier coupled thereto for the production of unidirectional current energy, a filter system having its input side connected to said rectifier for reducing the ripple component of said unidirectional current, a utilizing circuit coupled to the output side of said filter system, and additional means comprising a resistance and a condenser in parallel for coupling said filter system to said utilizing circuit for substantially neutralizing the remaining ripple component of said unidirectional current.

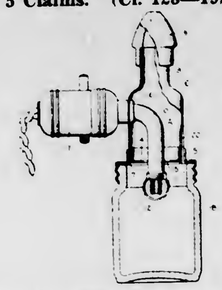
2,000,987
COUPLER OPERATING MECHANISM
Willard F. Richards, Depew, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application April 2, 1931, Serial No. 527,262
6 Claims. (Cl. 213—171)

1. A coupler operating mechanism comprising a rotatable rod and means for supporting said rod, said means comprising a bracket adapted to be secured to a railway vehicle and a yoke mounted for rotation in said bracket about a normally vertical axis, said yoke having an aperture normally receiving said rod, the lower portion of said aperture being constricted and defined by upwardly



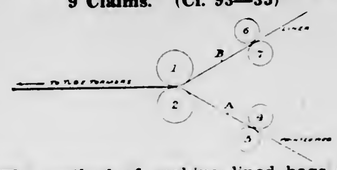
diverging sides, said rod having a portion tapering in section in a corresponding manner and adapted to snugly fit in said constricted portion of the aperture, the upper portion of said aperture being large enough to permit rotation of said rod.

2,000,988
ELECTRICAL VAPORIZER
Joseph Robinson, New York, N. Y.
Application August 19, 1927, Serial No. 214,046
Renewed April 7, 1933
5 Claims. (Cl. 128—192)



1. A device for generating vapors for inhalation, comprising in combination, a container for containing the compound to be vaporized, a heating element extending from above the compound into the latter, means for mounting the heating element on said container including means for adjusting the element in relation to the bottom of the container, and nozzle means through which the vapors generated are drawn.

2,000,989
MANUFACTURE OF BAGS
Thomas M. Royal, Philadelphia, Pa.
Application July 30, 1932, Serial No. 626,798
9 Claims. (Cl. 93—35)



1. The method of making lined bags with a smooth-edged thumb notch in one wall of the

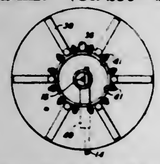
open end thereof, which consists in providing a pair of independent webs of bag material; preforming circular apertures in said webs substantially centrally of the same; bringing said webs together and in superposed relationship with one edge of each web extending beyond the adjacent edge of the other web and said apertures in registry; developing such duplex web into flattened tubular form with said registering apertures in one wall only of the same; severing such tube by straight transverse smooth-edged cuts diametrically through said registering apertures, such operation producing successive bag blanks with a notch in one wall at each end of the same, and thereafter folding and securing one end of said blanks to form a bag bottom.

2,000,990

ELECTRON DISCHARGE DEVICE

Arthur L. Samuel, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 27, 1933, Serial No. 695,407
16 Claims. (Cl. 250—27.5)



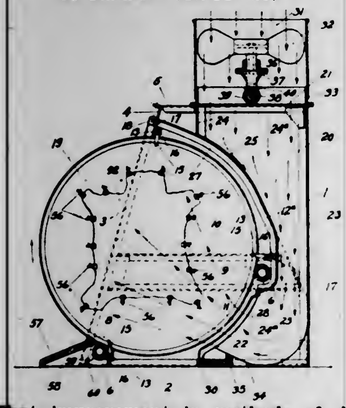
2. An electron discharge device comprising an electron emitting electrode, an electron receiving electrode in juxtaposition to said first electrode, and an insulating coating on all portions of said electron receiving electrode in alignment with said first electrode.

2,000,991

DRYING OF SHEET MATERIAL

Gustav Adolf Schettler, Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine

Application August 25, 1932, Serial No. 630,343
In Great Britain September 4, 1931
16 Claims. (Cl. 34—28)



1. That improvement in methods of drying hides, skins, and leather which comprises arranging each hide, skin or piece of leather in a plane or flat condition, directing a current of air edgewise to the hide, skin or piece of leather so that it moves over a surface of the recited work piece from a marginal portion to central portions thereof, and causing relative rotative movement between said work piece and the current of air about the center of said work piece to treat progressively all portions of the work piece, whereby marginal portions of the hide, skin or piece of leather receive treatment for a shorter period of time than central portions thereof.

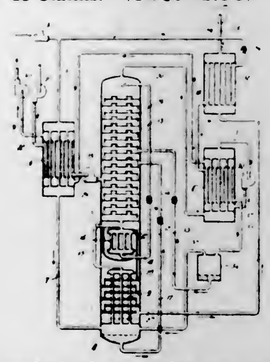
3. In a machine for use in drying of hides, skins, leather and other similar pieces of work, means to produce a current of air, means to support a piece of work in a flat condition and in a substantially vertical plane with the current of air flowing in a direction edgewise to the piece of work and in a path across a surface of the work, and means to cause relative rotation between the piece of work and the current of air while maintaining the flow of air edgewise to the work, whereby marginal portions of the piece of work are progressively treated and for a relatively limited time while central portions of the work receive considerably longer treatment by the currents of air.

2,000,992

SEPARATION OF CONSTITUENTS OF GASEOUS MIXTURES

Joseph L. Schlitt, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application January 31, 1934, Serial No. 709,083
18 Claims. (Cl. 62—175.5)



1. The method of separating the constituents of gaseous mixtures which comprises subjecting the compressed and cooled gaseous mixture to progressive liquefaction and rectification to separate an effluent consisting substantially of a constituent of lower boiling point, expanding the effluent from the pressure of rectification to a subatmospheric pressure and exhausting the effluent by suction.

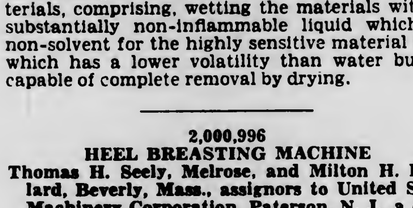
2,000,993

AXLE AND WHEEL ALIGNER

Michael Schmidt, Junction City, Kans., assignor of one-half to C. W. Wilson, Kansas City, Mo.

Application July 14, 1932, Serial No. 622,443
6 Claims. (Cl. 33—203)

1. In an apparatus for determining angularity of the wheel spindles of a vehicle, a pair of trunnions, means for supporting the trunnions in alignment with the central termini of the spindles to establish a base line from which angularity of the spindles is determined, a gauge bar, means supporting the gauge bar in fixed transverse relation on a wheel carried by one of the spindles, gauge points adjustably mounted on the ends of the gauge bar, a stop member on the first named supporting means, by which the gauge points are adjusted to indicate a plane at right angles to the



axis of the wheel spindle, a gauge means mounted on the trunnion adjacent said gauge bar to indicate a plane at right angles to said base line, and means associated with said gauge means for indicating angular relationship of said planes.

2,000,994

SULPHONATED NAPHTHENIC ALCOHOL AND METHOD OF PREPARING THE SAME

Walther Schrauth, Berlin, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application October 23, 1930, Serial No. 490,821. In Germany February 26, 1930
16 Claims. (Cl. 260—99.12)

1. A process for the manufacture of products resembling Turkey red oils characterized in that naphthenic acids are treated with reducing agents to produce alcohols and the alcohols are reacted with sulphonating agents to convert the alcohols into water soluble sulphonic acid derivatives.

16. A wetting-out emulsifying agent resembling Turkey red oil consisting of a mixture of sulphates and sulphonates of naphthenic alcohol.

2,000,995

PROCESS OF HANDLING SENSITIVE MATERIALS

Frederick R. Seavey and Edward B. W. Kerone, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware

No Drawing. Application February 26, 1932, Serial No. 595,418
27 Claims. (Cl. 52—2)

1. In the art of making explosives, the process of handling normally moist highly sensitive materials, comprising, wetting the materials with a substantially non-inflammable liquid which is non-solvent for the highly sensitive material and which has a lower volatility than water but is capable of complete removal by drying.

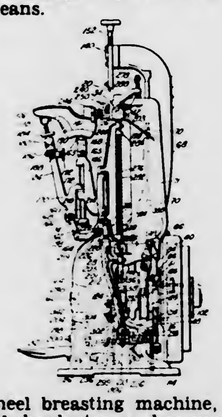
2,000,996

HEEL BREASTING MACHINE

Thomas H. Seely, Melrose, and Milton H. Ballard, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 11, 1932, Serial No. 621,834
42 Claims. (Cl. 12—47)

1. In a heel breasting machine having a shank stop which is maintained at a fixed elevation, the combination of a breasting knife for operating upon a heel attached to a shoe on its last, a shoe supporting jack, and a jack lifting and sustaining means, said jack being movable into and out of position to be engaged by said jack lifting and sustaining means.



21. In a heel breasting machine, a breasting knife, a fixed shank stop, a shoe supporting jack movable horizontally to bring the heel of the shoe into the plane of the knife and movable vertically to bring the shoe against the shank stop, and means for maintaining the jack vertical throughout all of its shoe positioning movements.

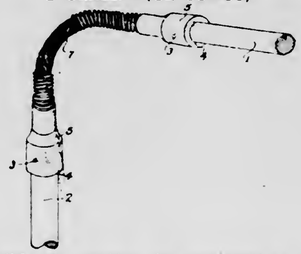
38. In a power heel breasting machine, a breasting knife, a knife slide, a clutch, and an unclutching member positioned in the path of the knife slide whereby the return of said member from inoperative position to operative position is ensured.

2,000,997

UNIVERSAL SHAFT CONNECTION

Peter F. Sharpe, Atlantic City, N. J.

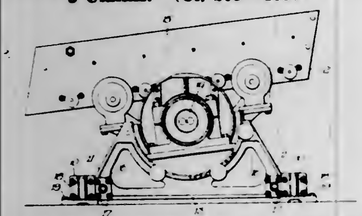
Application April 13, 1932, Serial No. 604,970
1 Claim. (Cl. 64—96)



A flexible connection for connecting a driven shaft to a driving shaft embodying a cable section provided at one end with a coupling for rigidly securing that end of the cable to one of the shafts, a coupling at the other end of the cable for securing the latter end of the cable to the other shaft, said cable section comprising a fibre core extending longitudinally of the cable and formed from a plurality of closely twisted strands of fibre impregnated with a lubricant, a plurality of strands of wire all tightly twisted in the same direction around said fibre core, each of said strands comprising a wire core consisting of a bunch of strands of wire of relatively small diameter and all of circular cross section, and a plurality of wires all of circular cross section and all of a larger diameter and all tightly wrapped in the same direction with respect to one another about said wire core and in a direction opposite to the twist of the wire strands, and an envelope of resilient wire closely and tightly coiled about

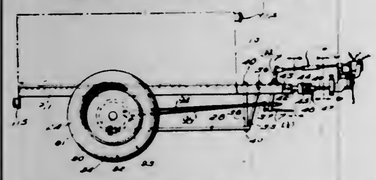
the cable section in a helical direction opposite to the direction of twist of the wire strands and securely anchored at its opposite ends to the respective couplings to reinforce the cable section and tighten about the same when the shafts are rotated in a retrograde direction to preclude untwisting of the cable section.

2,000,998
SCREENING APPARATUS
Lewis E. Soldan, Chicago, Ill., assignor to Productive Equipment Corporation, Chicago, Ill., a corporation of Illinois
Application February 11, 1931, Serial No. 515,029
3 Claims. (Cl. 209—409)



1. In screening apparatus, in combination, a frame having supporting legs, a screen carried by the frame, mechanical means for causing a positive vibration of the screen relative to the frame and supporting legs, shoes on the legs of the frame for rigid attachment to the floor on which the apparatus rests, and rubber members carried by the shoes and connected with the legs for supporting the weight of the apparatus with the rubber members in uncompressed condition.

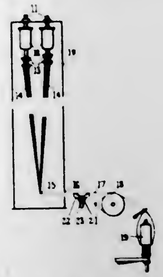
2,000,999
TRAILER
John C. Suchland, Lincoln Park, Mich.
Application July 30, 1931, Serial No. 553,920
12 Claims. (Cl. 188—112)



1. In combination with a vehicle, of a trailer having brakes, means so interconnecting the trailer and vehicle as to allow forward movement of the trailer with respect to the vehicle, said connection including a swivel connection, and means connected to the trailer rearwardly of said swivel and extending forwardly thereof for engaging the vehicle for operating the brakes.

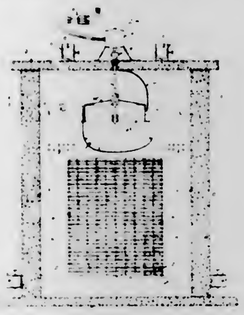
2,001,000
PRODUCTION OF ARTIFICIAL FILAMENTS, YARNS, OR THREADS
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application November 2, 1933, Serial No. 696,379
In Great Britain November 17, 1932
13 Claims. (Cl. 18—8)

1. Process for the production of artificial filaments, which comprises extruding a plurality of filaments, drawing them all at the same varying linear speed in the course of their extrusion so as to impart similar variations in denier to each filament, and associating the filaments as a thread, the length of filaments between differ-



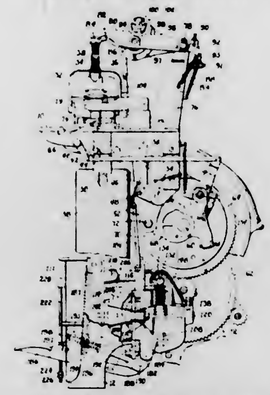
ent spinning orifices and the point of association of filaments being different, whereby corresponding variations in denier in the different filaments occur at different places in the length of the thread.

2,001,001
REVERSIBLE CIRCULATION INTERNAL FAN KILN
Rolf Thelen, Madison, Wis.; dedicated to the free use of the Public
Application November 23, 1932, Serial No. 644,010
1 Claim. (Cl. 34—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



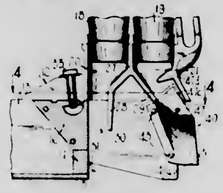
In a dry kiln adapted to receive a single row of flat piled stacks of lumber, comprising a plurality of horizontal fans centrally located above the lumber; heating coils located at the side walls above the lumber; an air distributor centrally located above the lumber, extending the full length of the dry kiln and consisting of a substantially horizontal central part, provided with means for supporting said fans, and extending from a point in proximity to said heating coils on one side to a point in proximity to said heating coils on the other side of the kiln; a curved upper part extending from one edge of said central part to the dry kiln ceiling, and a curved, hinged, lower part, extending from the other edge of the central part substantially transversely across the dry kiln to a point in proximity to said coils opposite said other edge of said central part, and reversible driving means for said fans.

2,001,002
CEMENT SOLE-ATTACHING MACHINE
William D. Thomas, Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 7, 1932, Serial No. 646,156
39 Claims. (Cl. 12—33)



1. A machine for use in the manufacture of shoes having, in combination, a pad for supporting a shoe and sole, and power-operated means for pressing the shoe and sole together on the pad, said means being constructed and arranged automatically to vary the pressure substantially in accordance with the size of the shoe operated upon.

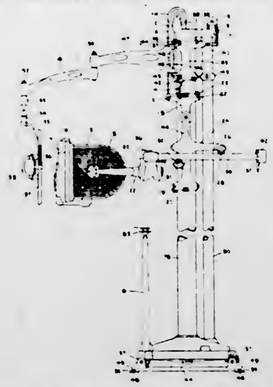
2,001,003
PLANTER AND FERTILIZER DISTRIBUTOR
Miles H. Tuft, Rock Island, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 16, 1933, Serial No. 651,916
13 Claims. (Cl. 111—73)



1. A fertilizer distributor comprising a pair of runners for opening a furrow and a deflecting member positioned between said runners and formed to provide downwardly, rearwardly and outwardly diverging troughs the lower ends of which terminate substantially at the rear edges of the runners for guiding the fertilizer downwardly and rearwardly against the furrow walls formed by the runners and at a point directly back of the rear edges of the runners.

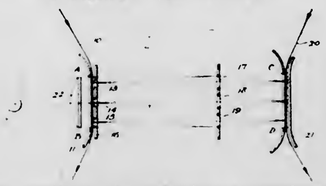
2,001,004
X-RAY TUBE HOLDER
Julius B. Wantz, Oak Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application August 30, 1930, Serial No. 478,944
8 Claims. (Cl. 250—34)

1. X-ray apparatus comprising a base, tracks for said base and along which it is movable, means for locking said base on said tracks, a turntable on said base, standards on said turn-



table, and X-ray apparatus of different kinds secured to one of said standards.

2,001,005
METHOD OF AND MEANS FOR RECORDING SOUND
Alfred Whitaker, West Drayton, and Cecil Oswald Browne, London, England, assignors to Electric and Musical Industries Limited, Middlesex, England, a company of Great Britain
Application June 4, 1931, Serial No. 541,980
In Great Britain June 4, 1930
6 Claims. (Cl. 88—24)

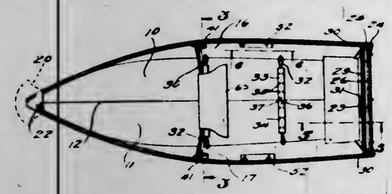


4. The method of producing a quasi-variable density linear sound record from a master linear record whereon the recorded sounds are represented by a serrated line of demarcation between two areas having differing optical characteristics, the amplitude and spacing of the serrations being functions, respectively, of the amplitude and frequency of the sounds, which comprises illuminating such a master record and projecting onto a photosensitive element a plurality of closely adjacent transversely reduced images thereof while maintaining a predetermined relation between the linear spacing of the peaks of the image serrations and the linear spacing of the peaks of the serrations on the master record.

2,001,006
FOLDING BOAT
Harold F. Wilson, Los Angeles, Calif.
Application August 28, 1933, Serial No. 687,024
4 Claims. (Cl. 9—2)

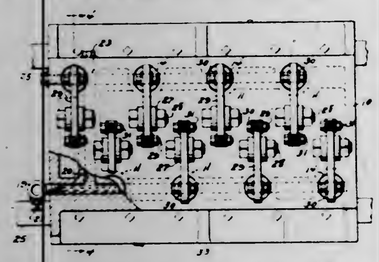
1. A folding boat structure comprising a pair of flexible bottom panels lying in the same plane and substantially abutting against each other along the longitudinal center line of the boat, a flexible waterproof hinge strip disposed on the under face of said panels and being secured to overlap the joint of the contiguous edges, a pair

of side panels disposed at opposite sides of the bottom panels and being of a contour identical therewith whereby the side and bottom panels will flex to form a boat, waterproof hinge strips extending longitudinally of the joint formed by the outer edges of the bottom panels and the lower edges of the side panels, cross brace means adapted to hold the side panels and the bottom



panels in their unfolded positions at a point intermediate their ends, means interlocking the brace with the side panels, an end panel adapted to be positioned between the side panels at the stern of the boat, and a flexible waterproof back strip permanently secured to the side panels and the bottom panels at the stern of the boat and beyond the end panel.

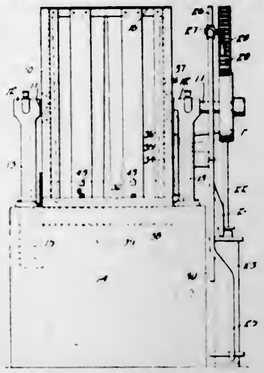
2,001,007
CABLE EQUALIZER
Thomas J. Wilson, Pittsburgh, Pa.
Application June 2, 1934, Serial No. 728,767
6 Claims. (Cl. 187—1)



1. An equalizer of the character described comprising a casing forming a plurality of piston cylinders arranged in rows, pistons working in said cylinders, said casing having fluid passages common to the cylinders, means for supplying fluid to said passages to maintain a determined content therein, lifting means passed through the casing and fixed with respect thereto, equalizer levers pivotally supported in said lifting means and having connection with the pistons, and lifting cables having connection with said levers.

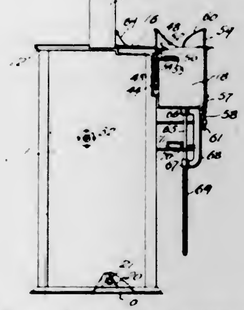
2,001,008
CAN DUMP FOR ICE MACHINES
William Henry Aubrey, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application December 2, 1932, Serial No. 645,473
11 Claims. (Cl. 62—113)

1. A device for removing ice from the container in which it is frozen comprising a cradle, means for supporting the container in the cradle, a motor for inverting the cradle to invert the container, and means operated by the cradle for causing the application of thawing fluid to the outside of the container to thaw the ice loose from the container and permit it to



drop by gravity from the container, substantially as set forth.

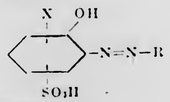
2,001,009
ENVELOPE STUFFING MACHINE
Horace C. Baker, Green Bay, Wis., assignor to Patten Paper Company, Ltd., Appleton, Wis.
Application August 20, 1931, Serial No. 558,387
8 Claims. (Cl. 93—6)



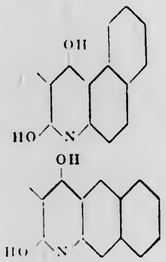
1. In a machine of the kind described, a support having a top provided with a guideway, a slidable sheet carrier in the guideway, a sheet magazine overhanging said guideway, means for singly controlling delivery of sheets from the magazine to the carrier, an envelope magazine beneath the plane of the guideway to have an uppermost envelope of a stack flush with said guideway, a plurality of swinging levers in the support and one operating the carrier, a pivoted yoke on the support and operated by another of the levers, a forwardly inclined opener finger on the yoke to engage in and open the uppermost envelope, laterally swinging sheet guides at opposite sides of the guideway and operated by another of the levers to swing into the envelope opened by said finger for directing an oncoming sheet into said envelope, a swinging frame opposite the first-named frame, and operated by another of the levers, a rearwardly directed downwardly curved envelope ejector on the last-named frame, hinged-jointed connections between the frames and guides, and the said levers, and means for actuating the levers in timed relation to each other.

2,001,010
ORTHO-HYDROXYAZO DYES
Walther Benade, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 28, 1933, Serial No. 654,109. In Germany April 18, 1932
12 Claims. (Cl. 260—86)

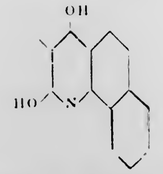
1. The ortho-hydroxyazo dyes corresponding to the general formula



wherein R means

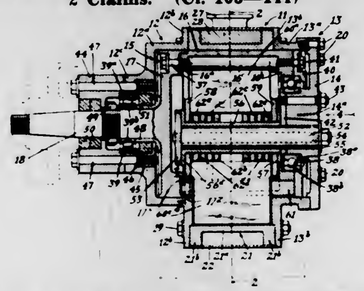


or



and X means hydrogen, halogen or NO_2, said dyes dyeing wool in the presence of a chromium mordant according to the single-bath process red to violet tints of good fastness to fulling and washing and excellent fastness to light.

2,001,011
PUMP OR ENGINE
Samuel Barton Brown, Los Angeles, Calif.
Application November 19, 1932, Serial No. 643,382
2 Claims. (Cl. 103—144)



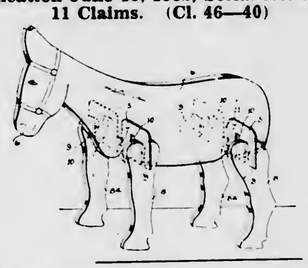
1. In a rotary pump or engine of the type described, in combination, a casing; and a rotor mounted therein having an end section which is provided with an annular recess in the inner face thereof adjacent to its periphery, said rotor section being detachably secured to the remainder of the rotor and having a lip which surrounds said recess, there being a surface exterior to said lip with which it has a running fit and a series of curved seats formed in the inner side of said lip, said lip being imperforate opposite the outer sides of said seats to prevent leakage, a spindle, a plurality of rotor blades mounted upon said spindle, pins through which said rotor blades extend, and a cylindrical rotor section upon which said pins are mounted with a fluid-tight working fit, end portions of said pins being seated upon said curved seats to prevent leakage between the external and internal chambers of the structure, there being other bearing portions for said pins to cooperate with said curved seats, said other bearing portions being formed in the part of the rotor to which the aforementioned end section is detachably secured.

2,001,012
PISTON LIFT FOR PUMPING OF LIQUIDS
Everett K. Burgher, Puerto Mexico, Mexico
Application March 21, 1934, Serial No. 716,615
In Mexico November 1, 1933
12 Claims. (Cl. 103—52)



1. A labyrinth piston for the pumping of liquid from a well through a production tube by use of the pressure of gas, comprising: a plurality of labyrinthic beveled rings in end-to-end relation; and means for supporting said rings in said relation with sufficient looseness to allow said rings to adopt eccentric positions wherein they will constitute a seal between said piston and the walls of said tube.

2,001,013
WALKING TOY
Joseph Davis and Donald J. Davis, Chicago, Ill., assignors, by mesne assignments, to Walkem Corporation, Chicago, Ill., a corporation of Illinois
Application June 13, 1932, Serial No. 616,893
11 Claims. (Cl. 46—40)



1. A toy comprising a body, a plurality of legs, and a plurality of resilient hinges of flat

thin flexible material, said hinges being provided with cut-out portions for slidably and detachably mounting said body and legs on said hinges.

2,001,014

PROCESS OF PREPARING ORTHO-DIHYDROXY COMPOUNDS OF THE BENZENE SERIES

Frederick B. Downing, Carneys Point, N. J., Richard G. Clarkson, Wilmington, Del., and Harry H. Reynolds, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 10, 1932, Serial No. 632,630

24 Claims. (Cl. 260—154)

1. In a process of preparing o-dihydroxy compounds of the benzene series by the hydrolysis of a compound selected from the group consisting of o-dichloro-benzenes, o-dibromo-benzenes, and o-di-iodo-benzenes in the presence of water, hydroxyl ions and metal ions selected from the group consisting of barium and strontium, the step which comprises maintaining the alkali concentration of the reaction mixture below about 3.6 normal.

2,001,015

PRODUCTION OF IRON-CHROMIUM ALLOYS

Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md., a corporation of Maryland

No Drawing. Application June 20, 1934, Serial No. 731,532

11 Claims. (Cl. 75—22.5)

1. In the production of a double heat of ferrous alloys in an electric arc furnace, the art which comprises, melting down a charge of ingredients including iron scrap, a material rich in chromium, and an oxide of iron thereby forming a low-carbon bath of ferrous metal containing chromium and an overlying blanket of slag containing oxides of iron and chromium, withdrawing the bath of metal from the furnace leaving the slag therein, and reducing the oxides of iron and chromium contained in said slag thereby forming a ferrous product rich in chromium.

2,001,016

PRODUCTION OF IRON-CHROMIUM ALLOYS

Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md., a corporation of Maryland

No Drawing. Application July 10, 1934, Serial No. 734,513

11 Claims. (Cl. 75—22.5)

1. In the production of a double heat of iron-chromium alloys in an electric arc furnace, the art which comprises, melting down a charge of ingredients including iron scrap containing chromium and one or more non-oxidizable elements, and an oxide of iron thereby forming a low-carbon bath of ferrous metal containing chromium and one or more non-oxidizable elements covered by a blanket of slag rich in the oxides of iron and chromium, withdrawing the bath of metal containing chromium and one or more non-oxidizable elements from the furnace leaving the slag therein, and reducing the oxides of iron and chromium contained in said slag thereby forming a ferrous product of substantial chromium content and substantially free of non-oxidizable elements.

2,001,017

METAL ARTICLE

Otto Feussner and Alfred Jedele, Hanau-on-the-Main, Germany

No Drawing. Application February 20, 1934, Serial No. 712,250. In Germany September 13, 1930

12 Claims. (Cl. 148—32)

1. A permanently fashioned article made of a material consisting at least in major part of at least two metals of the group consisting of platinum, palladium, and gold, said article having a hardened surface formed by an alloy of said material with an element selected from the group consisting of boron, silicon and zirconium.

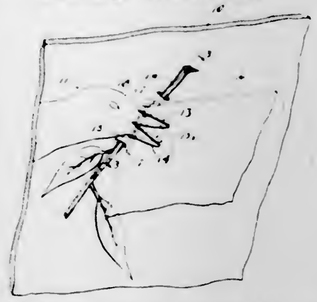
2,001,018

MEANS FOR CONVEYING MESSAGES

Ann M. Fisher, Los Angeles, Calif.

Application May 5, 1934, Serial No. 724,139

2 Claims. (Cl. 40—158)



1. A sheet-like support bearing the representation of an animal, a tongue stuck-out from the support forming the representation of the mouth of the animal, a plate-like member simulating a mailed message having its edge inserted under said tongue, slits formed in the support adjacent the tongue, a twig passed through the slits in such manner that the mouth of the animal appears to hold the twig as well as the message.

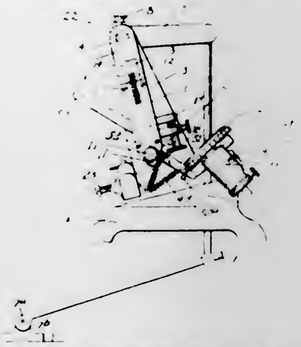
2,001,019

SHOE MARKING MACHINE

Benjamin W. Freeman, Cincinnati, Ohio, assignor to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio

Application October 4, 1930, Serial No. 486,437

19 Claims. (Cl. 33—4)



1. A back seam height marking machine having a curved support for supporting a shoe upper with the back seam thereof exposed thereon, marking means movable in a curved line over said support said line conforming in curvature to the curve of the support, said marking means mounted on a member movable in an arc opposed to the curve of the support, and having a resiliently mounted marking edge carried on said member permitting said edge to move in a curve corresponding to the arc of the support and gauging means associated with said support for gauging the desired height of the back seam.

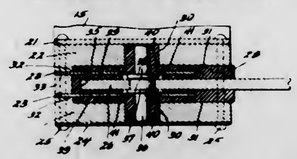
2,001,020

MOTOR MOUNTING

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 20, 1931, Serial No. 576,406

12 Claims. (Cl. 248—14.2)



1. In a mounting for securing a vibration generator to a base, in combination, cooperating friction elements rigidly secured to each of said parts, elastic material separating said parts and adapted to be deformed by relative movement thereof, said elastic material surrounding said friction elements.

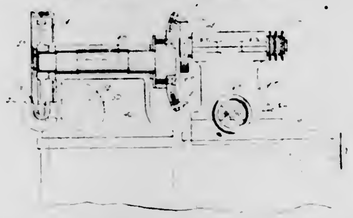
2,001,021

METHOD OF AND MACHINE FOR RELIEVING GEAR CUTTERS

August C. Heard, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application February 23, 1934, Serial No. 712,600

4 Claims. (Cl. 51—105)



1. The method of grinding clearance on the sides of face-mill cutter blades of a given pressure angle which comprises mounting the blades in a rotary head so that they are inclined to a radius of the head at a different angle from the position they occupy when cutting and so that the finished side surfaces to be ground are parallel to the axis of the head instead of being inclined thereto at the given pressure angle, engaging a cylindrical grinding wheel with said blades with the axis of the wheel parallel to the axis of the head, and rotating the wheel and head on their respective axes.

2,001,022

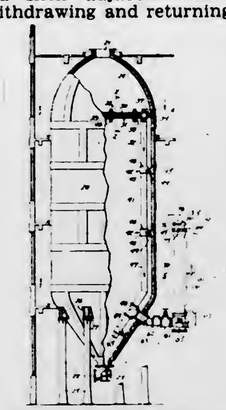
INDIRECT HEATING AND CIRCULATING SYSTEM FOR SULPHITE DIGESTERS

Harlan W. How, Aspinwall, Pa.

Application September 8, 1933, Serial No. 688,672

27 Claims. (Cl. 92—7)

1. In a digester system, a digester shell, means for supporting said shell, means extending through said shell adjacent said supporting means for withdrawing and returning the liquor



in said shell and means for heating the withdrawn liquor.

2,001,023

CREPED PAPER

Charles M. Howell, Springfield, and James d'A. Clark, Swarthmore, Pa., assignors to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania

Application October 23, 1934, Serial No. 749,648

6 Claims. (Cl. 154—55)



1. As a product of manufacture, a soft creped multiply towel or toilet tissue paper whereof any ply is made of paper other than cellulose wadding, said product having a potential stretch of not less than fifteen percent.

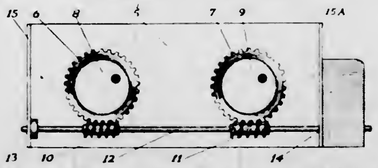
2,001,024

STEREOSCOPIC PICTURE

Milton M. Idzal, Des Moines, Iowa

Application March 10, 1934, Serial No. 714,924

2 Claims. (Cl. 88—20)



1. A stereoscopic picture device embodying a front member presenting a stereoscopic picture, a circular aperture placed in the right view of said stereoscopic picture in a relative position corresponding with a similar aperture placed in the left view of said picture, a pair of discs fitting behind said apertures and bearing on their front surfaces designs completing and forming a part of said right and left views, a pair of gears upon which said discs are mounted, a shaft bearing a pair of worm gears engaging said gears, a rear member or back plate which is bent forward at either extremity in such a manner as to engage the front member and hold same in posi-

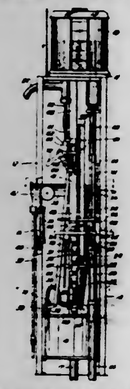
tion, and said back plate designed to provide bearings for said gears and worm gear shaft, and to hold the entire mechanism in proper assembly, and an electric motor engaging the end of the worm gear shaft.

2,001,025

MEASURING AND DELIVERING APPARATUS

Aubrey Carlyle Jamieson, Kew, Victoria, Australia

Application November 21, 1933, Serial No. 699,063
In Australia November 25, 1932
23 Claims. (Cl. 221—100)



1. Measuring and delivering apparatus for petrol and other liquids comprising an elevated measuring bowl, a reciprocating plunger pump for delivering petrol from a reservoir to said bowl, and air or water cylinder having a reciprocating piston for actuating a pivoted lifting arm, a connection between the lifting arm and the plunger of the pump, a valve manually movable to its operative position to supply air or water under pressure to the cylinder, a control member adapted to be progressively moved during the delivery of petrol to the bowl, manually operable selector means for predetermining the volume of petrol to be delivered to the bowl, said control member being adapted to co-operate with said selector means to cause the valve to be moved to its inoperative position when the volume of petrol predetermined by the selector means is delivered to the bowl.

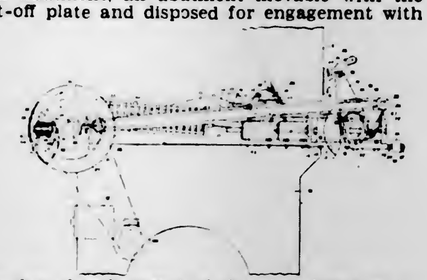
2,001,026

DOUGH DIVIDER

William G. Kirchhoff, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio

Application April 14, 1933, Serial No. 666,164
13 Claims. (Cl. 107—15)

1. In a divider for plastic material the combination of a main shaft supported for constant unidirectional rotation, and means for applying power to said shaft, a pair of eccentrics movable always with the main shaft and offset relative to one another at a spacing of approximately a fifth of a circle arc, a hopper, a hollow housing providing a plunger chamber accessible through the hopper, a reciprocatory plunger working in the plunger chamber to advance plastic substance fed thereinto through the hopper, means for receiving the substance advanced by the plunger, a reciprocable cut-off plate located intermediate the plunger and the hopper, a connecting means associating the plunger with that eccentric which follows the other one during rotation of the main shaft in its given direction of rotation, and a second connecting means associating the cut-off plate with that eccentric which leads the other eccentric, said second connecting means comprising a connecting rod having an end abutment fixed and immovable relative to the connecting rod, and a pusher dog pivoted upon the connecting rod and movable relative to said fixed end abutment, an abutment movable with the cut-off plate and disposed for engagement with



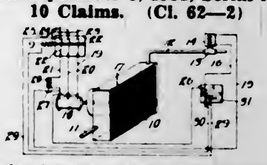
the dog, the abutment of the plate being so located relative thereto as to move through only part of the distance travelled by the connecting rod, a dog knock out element for terminating advancement of the plate by the dog prior to disposition of the dog to its forward limit of travel, and a member movable with the cut-off plate and disposed in the path of movement of the end abutment of the connecting rod, for retraction of the cut-off plate by said end abutment.

2,001,027

DEFROSTING SYSTEM

William R. Kitzmiller, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania

Application September 8, 1931, Serial No. 561,800
10 Claims. (Cl. 62—2)



1. A cooler having means for circulating a refrigerant therethrough with a valve for controlling circulation of the refrigerant and a fan for moving a fluid to be cooled over refrigerating surfaces of the cooler, a motor for operating said fan, the load on said motor varying directly in response to a pressure head built up through the cooler due to an impeding of the passage of the fluid to be cooled by an accumulation of frost on the said cooling unit, said variation of the load on the motor being in control of the said valve whereby the said valve will be closed when frost has covered the cooler to a predetermined degree, the fan continuing to operate after closing of the valve to thaw out the frost on the cooler, substantially as set forth.

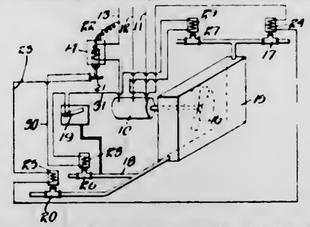
2,001,028

DEFROSTING SYSTEM

William R. Kitzmiller, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania

Application September 26, 1932, Serial No. 634,947
9 Claims. (Cl. 62—4)

1. A device for defrosting a cooler comprising means for circulating refrigerant through the cooler, a fan adapted to circulate air over the cooler, a motor for operating said fan, the load on said motor varying as a result of the increase in the pressure head in the cooler when the cooler becomes heavily coated with frost, and



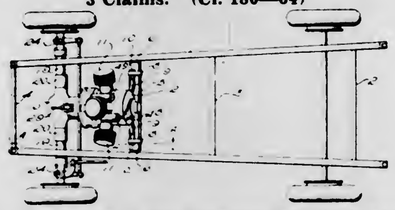
means controlled by variation in the load on said motor for stopping circulation of refrigerant through the cooler and for causing the circulation of a warm fluid therethrough to hasten defrosting of the evaporator, substantially as set forth.

2,001,029

ENGINE SUPPORT FOR AUTOMOBILES

Frank Kulick, Detroit, and Edward L. Kulick, Dearborn, Mich.

Application December 9, 1931, Serial No. 579,946
Renewed March 21, 1935
3 Claims. (Cl. 180—64)



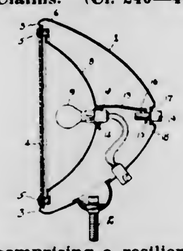
1. In a device of the character described, a pair of axle housings, an axle rotatably mounted in each housing, a yoke connecting the two axle housings and arranged to maintain the axle housings in fixed relation, a differential housing pivotally mounted on the axle housings between the ends of the yoke, an engine secured to the differential housing, a chassis, springs secured to the axle housings and yieldably supporting the chassis thereon, a transverse frame member pivotally mounted in the chassis and yieldable means on the transverse frame member supporting the end of the engine opposite the differential housing.

2,001,030

LAMP

Cyrus B. Kurtz, Cleveland, Ohio

Application May 14, 1934, Serial No. 725,535
5 Claims. (Cl. 240—41.5)



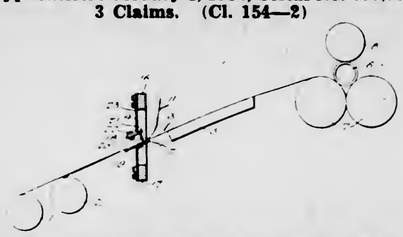
3. A lamp comprising a resilient metal casing having a circular open end, a closure within the casing and of a greater diameter than the open end, a shoulder on the closure spaced from the edge thereof and fitting the circular open end, the difference between the normal inner diameter of said casing at a point adjacent said open end, and the outer diameter of said closure, being greater than the difference between the normal inner diameter of said open end and the diameter of said closure, a reflector, and means within the casing engaging said reflector to retain the closure with its shoulder fitting the circular open end and operable to permit movement of the closure inwardly from the open end to withdraw the closure shoulder from the open end, whereby the casing may be distorted to change the open end to elliptic shape capable of permitting removal of the closure through the greater diameter of the elliptic opening thus produced.

2,001,031

CYLINDRICAL ARTICLES AND METHOD AND APPARATUS FOR MANUFACTURING THE SAME

Gustave E. Landt, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

Application February 4, 1932, Serial No. 590,964
3 Claims. (Cl. 154—2)



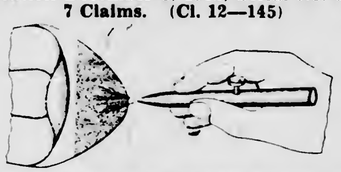
1. A method of making a cylindrical article from fibrous sheet material and a resinous binder, which comprises feeding adjacently disposed sheets with overlapping longitudinal edges, cutting the sheets at their overlapped portions as they are being fed in a manner to form complementary interdentate edges on the sheets, and so that the junctures of the sheets in the successively wound layers are non-coincident but are superposed one above another, whereby a localized joint structure having numerous non-coincident interlocking intermeshing points throughout the same is provided.

2,001,032

MANUFACTURE OF SHOES HAVING STIFFENED PARTS

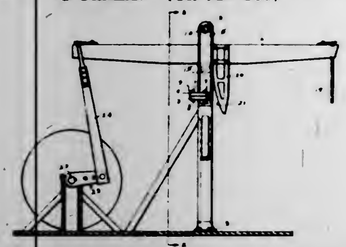
Stanley P. Lovell, Newton, Mass., assignor to Arden Box Toe Company, Watertown, Mass., a corporation of Massachusetts

Application December 5, 1932, Serial No. 645,649
7 Claims. (Cl. 12—145)



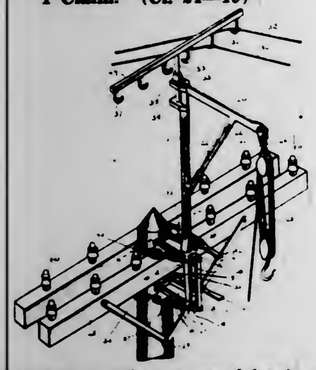
1. In a method of shoemaking which involves lasting a shoe upper assembly having an internal layer of fabric, those steps which comprise wetting said fabric with a solvent for stiffening agent at the desired zone, associating solid stiffening agent with said wet zone in a form conducive to a prompt and substantially complete solution of said stiffening agent, and conforming said zone to the shape of the last.

2,001,033
PUMP OPERATING MECHANISM
Albert M. Matherne, Goose Creek, Tex.
Application June 10, 1933, Serial No. 675,264
3 Claims. (Cl. 74—103)



1. In apparatus for operating a pump in a well, an upstanding support, a swinging connecting member on the support, a walking beam mounted to rock on said connecting member, and a depending bearing member on said beam operable against the side of the support and effective to impart a longitudinal movement to the beam upon a rocking movement of the beam in one direction.

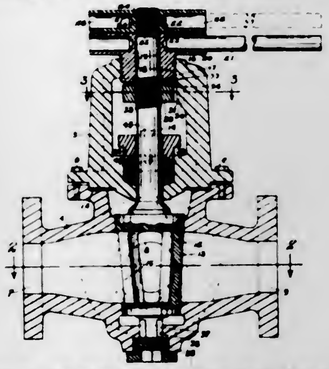
2,001,034
CRANE AND WIRE RACK
Lyman Edwin Mosher, East Herkimer, N. Y.
Application August 19, 1932, Serial No. 629,505
Renewed November 5, 1934
1 Claim. (Cl. 24—19)



In a clamping member, a panel having a reentrant angle, means formed in said panel for supporting a crane, a chain attached to said panel, a bolt, a hook formed on the end of said bolt for engaging said chain, a burr attached to said chain for engaging an object, a nut mounted on said bolt, whereby to hold the same in a predetermined position, a wrench pivotally mounted to said nut, whereby to turn said nut to an adjusted position and reinforcing edge ribs, whereby to strengthen said panel.

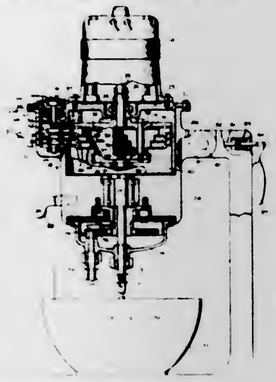
2,001,035
VALVE
Elmer E. Noll, Cincinnati, Ohio, assignor to The William Powell Company, Cincinnati, Ohio, a corporation of Ohio
Application February 9, 1932, Serial No. 591,847
2 Claims. (Cl. 251—97)

2. A valve having in combination a housing provided with ports and a tapered seat, a tapered apertured valve key for engagement with the tapered seat of the housing, a stem rotatable with and fixed relative to the valve key and extending through a portion of the housing, an abutment element normally fixed on the upper end of the stem, a rotatable sleeve threaded onto the housing so as to be axially moved longitudinally of the stem when rotated, said sleeve being rotatable into abutting relationship with the upper fixed ele-



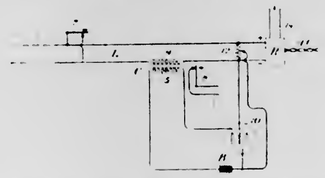
ment on the stem for moving said fixed element and stem together with the valve key, to unseat the valve key, means for rotating the stem whereby to place the ports and apertures in communication, and a combination stop and adjusting member movably secured to the stem in substantial contact with the sleeve and in position to strike the housing when rotated a predetermined amount.

2,001,036
MIXING DEVICE AND THE LIKE
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application May 13, 1932, Serial No. 611,170
4 Claims. (Cl. 74—277)



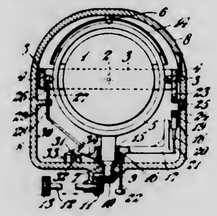
1. In a mixing device and the like having a driving shaft and a driven shaft for operating food preparation tools and the like, a speed-change gear mechanism connecting said driving shaft with said tool shaft comprising a third shaft, means supporting said third shaft and mechanically connecting it with said driving shaft to give it a planetary motion with respect to said driving shaft, a plurality of gears mounted to rotate on said third shaft, driving connections between said gears, a gear on said tool shaft meshing with one of the gears on said third shaft, a plurality of gears meshing with the remaining gears on said third shaft, means selectively engaging said last named gears so as to prevent rotation thereof whereby said tool shaft can be driven at different preselected speeds from said driving shaft, and means controlling said means engaging said gears so as to release the gear that is engaged responsively to a predetermined maximum load on said driven shaft.

2,001,037
VOLTAGE COMPENSATION IN SIGNALING CIRCUITS
Wilton Treat Rea, Flushing, N. Y., and Thomas Clinton Henneberger, Caldwell, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 20, 1932, Serial No. 629,698
7 Claims. (Cl. 178—44)



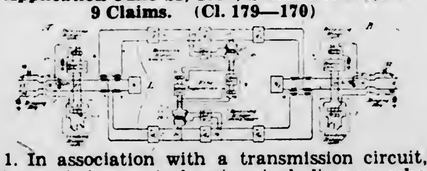
1. In a signaling circuit, a relay, one winding of which is supplied with current from a source of desirably constant but irregular voltage, a second winding on said relay and a supplementary source of voltage continuously supplying current thereto, a vacuum tube in series with the second winding and second source of voltage, and connections from the first source to the vacuum tube whereby the current to the second winding is caused to render the relay substantially independent of said irregularities.

2,001,038
GYROSCOPIC INDICATOR FOR USE WITH AIR AND OTHER CRAFT
George Hancock Reid, London, England
Application January 23, 1934, Serial No. 707,970
In Great Britain January 23, 1933
16 Claims. (Cl. 33—204)



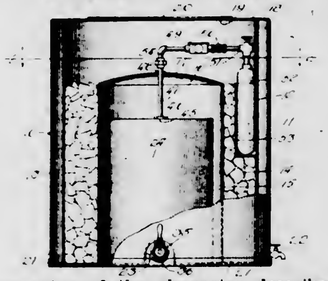
1. An instrument having a gyro mounted for three degrees of freedom and means capable of selective operation for resiliently restraining movements thereof about one axis of freedom and for preventing movements about a second axis of freedom, whereby the device may selectively function as a directional gyro or as an indicator of the rate of angular velocity.

2,001,039
TELEPHONE SIGNALING SYSTEM
Elliot M. Staples, Hohokus, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 21, 1932, Serial No. 618,519
9 Claims. (Cl. 179—170)



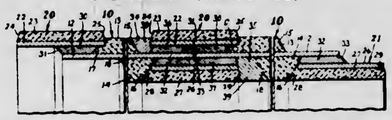
1. In association with a transmission circuit, a transmission control system including an echo suppressor, means independent of the principal transmission over the circuit for applying thereto alternating current of certain frequencies, signal receiving circuit responsive to said certain frequencies and connected to said transmission circuit and to said echo suppressor, and switching means controlled thereby for disabling said echo suppressor by the operation of said signal receiving circuits.

2,001,040
BEER DISPENSING EQUIPMENT
David Sweeney, Maywood, Ill.
Application January 10, 1934, Serial No. 706,114
4 Claims. (Cl. 225—40)



1. Apparatus of the character described, including; a container for liquid; a receptacle having a well adapted to receive said container, an outer wall, and a space between said well and said outer wall adapted to receive a cooling medium; a source of fluid pressure within said receptacle adapted to maintain a constant low pressure in said container; a spring pressed valve removably fixed in said container; a discharge pipe adapted to engage with said valve; a valve operating mechanism integral with said pipe; and a tunnel in said receptacle whereby said operating mechanism extends to the exterior of said receptacle.

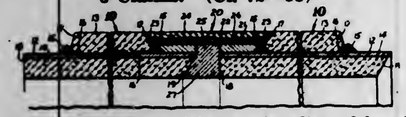
2,001,041
REENFORCED CONCRETE PIPE JOINT
Bozidar J. Ukropina, Los Angeles, Calif.
Application July 10, 1933, Serial No. 679,723
2 Claims. (Cl. 72—53)



1. A conduit comprising a plurality of lengths of pipe positioned end to end, each of said pipe lengths including a metal reenforcing tube em-

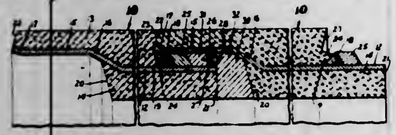
bedded between an outer layer of concrete and an inner layer of concrete, said inner layer of concrete at each end being set back to form an inner chamber, the outer layer of concrete at each end being set back to form an outer chamber, an inner independently formed collar member, the outer diameter of said collar being less than the inner diameter of said pipe reenforcing tube, said collar being positioned in the inner chambers at adjacent ends of said pipe lengths, joint forming material positioned in the space between the outer surface of said collar and the inner surface of said tubes, an outer independently formed collar member, the inner diameter of said outer collar being greater than the outer diameter of said pipe tubes, said outer collar being positioned in the outer chambers at adjacent ends of said pipe lengths, and joint forming material positioned in the space between the outer surface of said tubes and the inner surface of said outer collar.

2,001,042
CONCRETE PIPE CONSTRUCTION
Bozidar J. Ukropina, Los Angeles, Calif.
Application July 21, 1933, Serial No. 681,552
6 Claims. (Cl. 72—53)



1. A conduit comprising a plurality of lengths of concrete pipe each having a metal reinforcing cylinder embedded therein which includes end portions, said lengths being laid end to end with a chamber therebetween, an annular metal band on the end portions of said cylinders and spaced from the adjacent ends thereof, said bands being triangular in cross section with the bases thereof engaging said cylinders and secured thereto, collar members each of said collars including a metal band having a ring of concrete thereon, said collar members surrounding the adjacent projecting portions of said pipe cylinders and arranged over said pipe bands, caulking material positioned in the spaces between said pipe cylinders and said collar bands, said caulking material extending from said pipe bands to the adjacent ends of said cylinder and filling material positioned in said chambers between the adjacent ends of said pipe.

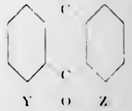
2,001,043
CONCRETE PIPE JOINT
Bozidar J. Ukropina, Los Angeles, Calif.
Application July 21, 1933, Serial No. 681,553
3 Claims. (Cl. 72—53)



1. A conduit comprising a plurality of lengths of concrete pipe laid end to end, each of said lengths comprising a metal reinforcing cylinder embedded between an outer and an inner layer of concrete, said cylinder at one end including an integral reduced spigot section, and at the other including an integral bell section, the end of said outer layer of concrete adjacent said bell end terminating in a beveled face in line with the tapered surface of said spigot section, the opposite end of said outer layer of concrete being outwardly beveled, the opposite end of said inner layer of concrete terminating in a beveled face set inward from the adjacent end of said cylinder, a preformed ring of packing material surrounding the spigot portion of said cylinder, the inner end face of said packing engaging said tapered portion of said spigot portion and the outer end face of said packing being spaced inward from the end of the cylinder, the outer diameter of said packing ring being approximately the same as that of the inside of said cylinder, said lengths being laid with one end surrounding the spigot portion of an adjacent end, the adjacent ends of said outer layers of concrete abutting and with a chamber between the adjacent ends of said inner layers of concrete, a caulking material positioned in the space between the cylinder of one length and the spigot section of an adjacent length, said caulking engaging said packing and means to hold said caulking in place.

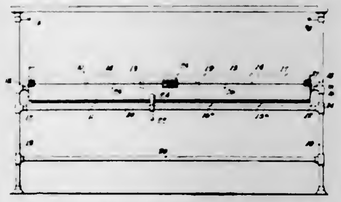
2,001,044
NITROGEN CONTAINING ANTHRAQUINONE DERIVATIVES
Klaus Weinand, Leverkusen-I. G. Werk, Curt Bamberger, Cologne-Mulheim, and Hermann Utsch, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 22, 1934, Serial No. 707,848. In Germany February 1, 1933
13 Claims. (Cl. 260—60)

9. The compounds having in their free form the formula:—



wherein Z stands for an amino group, which may contain aliphatic, hydroaromatic or aromatic radicals and one Y stands for an acylamino group, the other Y indicating hydrogen, said compounds being in form of their alkali metal salts blue to bluish-green crystals, dissolving in water with the same coloration, dyeing wool from an acid bath blue to bluish-green shades of excellent fastness properties.

2,001,045
EGG PACKAGING DEVICE
Sidney Weiss, Brooklyn, N. Y.
Application August 30, 1933, Serial No. 687,411
9 Claims. (Cl. 226—14)

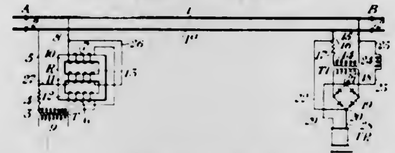


1. An egg packaging device comprising a revoluble tray adapted to receive layers of eggs and empty cartons and having oppositely hinged opposed closures, means to maintain the tray with either closure uppermost, part of said last mentioned means being retractable to permit the tray to be revolved one-half revolution whereby the eggs within the tray may slide into the empty cartons.

2,001,046
MEDICINAL PREPARATION
William E. Welch, Dayton, Ohio, assignor to B. J. Baker & Company, Inc., Boston, Mass., a corporation of Massachusetts, and International Proprietaries Incorporated, Dayton, Ohio, a corporation of Delaware
No Drawing. Application February 13, 1934, Serial No. 711,065
3 Claims. (Cl. 167—54)

3. A medicinal preparation for application to the skin as a penetrant and also useful as an inhalant, said preparation comprising an alcoholic solution of a soap in solidified form having dissolved therein an inhalant and a counter-irritant, said base possessing fixative properties for retarding rapid dissipation of the vapors emitted therefrom.

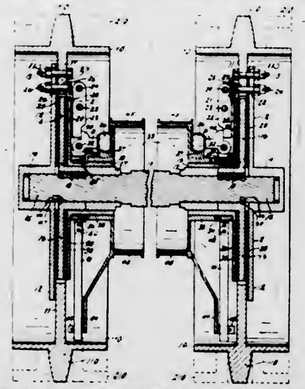
2,001,047
RAILWAY TRACK CIRCUIT APPARATUS
Harold G. Witmer, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 26, 1933, Serial No. 686,952
11 Claims. (Cl. 246—34)



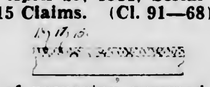
4. In combination with a section of railway track, a source of periodic current, means for connecting said source across the traffic rails of the section including a first winding of a reactor having a magnetizable core, a second winding mounted on the core of said reactor, circuit means including a source of direct current supplied over the rails of said section for energizing said second winding to create a steady magnetic flux for determining the reactance of said first winding, means governed by traffic conditions of said section for controlling said circuit means whereby the voltage of the periodic current supplied across the traffic rails is varied in accordance with the presence or absence of a train in said section, and receiving means connected across the traffic rails of the section including an electroresponsive device effectively influenced by the periodic current.

2,001,048
CLUTCH MECHANISM
George J. Ziegler, Los Angeles, Calif., assignor of one-half to Charles J. Heyler, Los Angeles, Calif.
Application June 23, 1933, Serial No. 677,249
6 Claims. (Cl. 192—36)

1. A clutch for a vehicle including a tractor wheel as an outer member of the clutch, an axle on which the hub of said wheel is rotatably and slidably mounted, an abutment disk forming the center member of the clutch and having an elongated hub secured to said axle, a thrust disk having a hub rotatably and slidably mounted on said elongated hub and forming the inner member of said clutch, and means including a plurality of radially extending levers pivotally mounted on said inner clutch member for moving it and the outer clutch member into engagment with friction disks carried by the abutment clutch member.

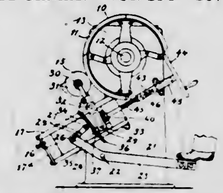


2,001,049
GUMMED PAPER AND METHOD OF PREPARING
Gardner R. Alden, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application April 29, 1931, Serial No. 533,652
15 Claims. (Cl. 91—68)



1. Method of preparing gummed paper, comprising applying to a sheet of paper a finely divided open pattern of resist and thereafter applying to the paper a continuous layer of adhesive and subjecting the coated sheet to breaking.

2,001,050
TIRE MACHINE
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application December 27, 1933, Serial No. 704,120
11 Claims. (Cl. 154—10)



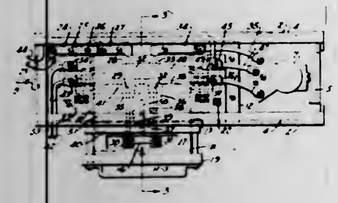
1. Tire-building apparatus comprising a rotary tire-building form, a stitching roller mounted rearwardly and below the axis of rotation of said form, a longitudinal stitcher guide parallel with said axis, a cross-feed slide carrying said guide and mounted for upward, forward movement in an inclined path to bring the stitching roller into operative relation with the form, means carried by said stitcher guide for imparting longitudinal feed movement to the stitching roller, and a forwardly and upwardly extending operating member for the latter means.

2,001,051

TAMPERPROOF METER BOX WITH CUT-OUT CONTROL AND FUSE DRAWER FOR ELECTRIC METERS

Frank A. Bruno, Newark, N. J., assignor to Angelina Mariani, Brooklyn, N. Y.

Application December 1, 1933, Serial No. 700,543
8 Claims. (Cl. 247—2)



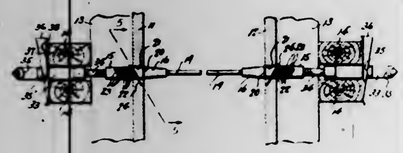
1. A device of the class described comprising a box; a cover having means for sealing it to said box to prevent unauthorized opening of the box; wire openings formed in the box; a pair of spaced connectors contained in the box to which one of the load wires of an electric circuit may be connected; said connectors having slotted, flexible contact points; projections formed on both sides of each of said contact points; a cut-out slide mounted in said box; a pair of spaced prongs secured near the outer end of the slide and engageable in the slots in said contact points; a fuse connected across the said spaced prongs and located near the outer end of the slide; cam members associated with the slide for closing the slots in said contact points against said prongs when the slide is moved to its closed position; and means for limiting the movement of the cut-out slide.

2,001,052

RETAINING TIE FOR CONCRETE FORMS

Samuel S. Colt, Orange, N. J.

Application December 6, 1932, Serial No. 645,918
3 Claims. (Cl. 25—131)



1. In retaining means for concrete forms, a removable coupler means adapted to penetrate a form wall from the exterior thereof to partially extend into the form space to be there detachably connected to a tie rod disposed across the form interior, means directly interconnected between said coupler means and the form wall to affix the former to the latter both in operative predetermined position relative thereto and against turning, said latter means comprising at least one oblique passage provided in a side of said coupler means to incline toward the exterior face of said wall, and a fastening means manipulatable from the exterior of the form wall so as to be driven through said passage and into the wall.

2,001,053

PREPARATION OF PHTHALIC ACID

Lloyd C. Daniels, Crafton, and Alphons O. Jaeger, Mount Lebanon, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware

No Drawing. Application January 23, 1931, Serial No. 510,767
3 Claims. (Cl. 260—108)

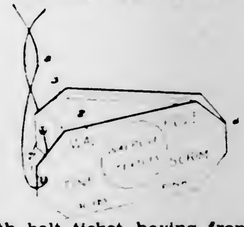
1. A process of producing phthalic acid from phthalic anhydride which comprises reacting solid phthalic anhydride with steam.

2,001,054

CLOTH BOLT TICKET

Lawrence Davis, Walpole, Mass.

Application March 1, 1933, Serial No. 659,060
4 Claims. (Cl. 40—20)



1. A cloth bolt ticket having front and rear sections, and having a string extending through said sections, and effective to secure the ticket to a bolt of fabric, said ticket including a tab projecting rearwardly therefrom and adapted to be inserted between the cloth board and the fabric wound thereon to secure the ticket against one end of the bolt.

2,001,055

FISH BAIT

William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York

Application July 27, 1933, Serial No. 682,437
2 Claims. (Cl. 43—47)



1. A fish bait comprising a swivel, a strip of celluloid or other suitable material connected at its leading end to the swivel, and a hook carried thereby said strip being spirally twisted about its longitudinal axis to provide a plurality of twisted surfaces, the leading surface having an aperture therein, the relative movement of the bait and water causing the rotation of the strip at the swivel both by the impact of the water upon the leading surface and also by the impact upon a posterior twisted surface of water flowing through the aperture in the leading surface.

2,001,056

BRACELET CLASP

Charles A. Domler, Providence, R. I., assignor to The Hadley Company, Inc., Providence, R. I., a corporation of Rhode Island

Application November 26, 1934, Serial No. 754,703
7 Claims. (Cl. 24—71)

1. A clasp comprising a holder for receiving a strand, a pair of spaced links pivoted to said holder and arranged to swing inwardly into a closed position upon said holder, and a lever pivotally secured to the outer ends of said links and arranged to swing into a closed position between said links, the free end of said lever having an



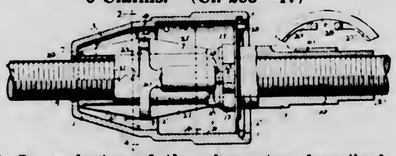
inwardly directed edge constructed and arranged to grip a strand disposed in said holder between the free end of said lever and said holder when said lever and links are swung into closed position.

2,001,057

DRILL BOXING

Louis J. Fellay, Peoria, Ill., assignor to Dooley Bros., Peoria, Ill., a corporation of Illinois

Application December 30, 1933, Serial No. 704,603
6 Claims. (Cl. 255—47)



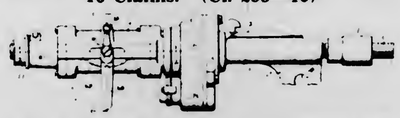
1. In a device of the character described, in combination, a housing, a pair of coacting threaded liners arranged for assembly in said housing, a drum shaft and means to connect the same with said liners, and a collapsible spring member adapted for connection within said housing for locking the drum shaft, liners and housing in assembled relation.

2,001,058

DRILLING MACHINE

Louis J. Fellay, Peoria, Ill., assignor to Dooley Bros., Peoria, Ill., a corporation of Illinois

Application June 28, 1934, Serial No. 732,881
16 Claims. (Cl. 255—46)



1. In a drilling machine, in combination, a housing providing a closure, a cage within the housing, a thread-bar operable through said housing and said cage, coacting separable liner sections disposed within said cage and threaded for engagement with the thread-bar, operating means for the thread-bar, and means for moving the liner sections within said cage to operative and inoperative positions with respect to the thread-bar.

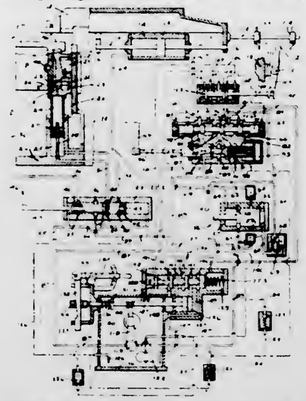
2,001,059

HYDRAULIC DRIVE FOR MACHINE TOOLS

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 14, 1929, Serial No. 392,507
12 Claims. (Cl. 90—38)

3. The combination, with a machine having a reciprocable carriage, of a hydraulic motor for reciprocating said carriage, a variable displacement pump, means including a reversing valve for directing liquid from said pump to said motor to cause it to drive said carriage in opposite directions alternately, and means actuated by liquid from said pump and connected between said



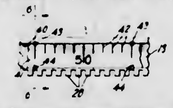
pump and said motor in parallel with said motor for varying pump displacement.

2,001,060

MEANS OF SECURING A SCALE STRIP TO A SCALE BAR

Charles A. Fuchs, Hollis, N. Y., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware

Application November 21, 1931, Serial No. 576,498
4 Claims. (Cl. 197—194)



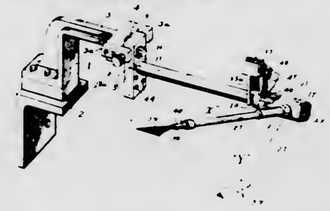
3. A stop bar for a typewriting machine, said bar having a shallow longitudinally extending groove therein, a scale strip in said groove, devices located at wide intervals as compared with the width of the devices lengthwise of the bar and extending into said groove from the side thereof and pressing against said strip to secure it to said bar, and a stop to embrace said bar, said devices being confined entirely within the groove so as not to interfere with the stop.

2,001,061

BEATING-UP LINE POSITION INDICATOR FOR LOOMS

Carroll H. Gibbs, Springfield, Mass.

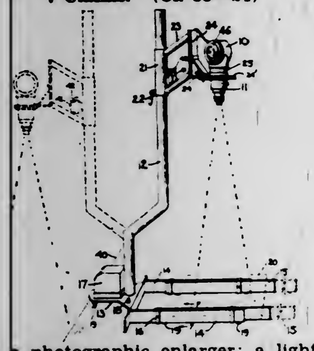
Application May 8, 1934, Serial No. 724,553
6 Claims. (Cl. 139—1)



1. A beating-up line indicator for looms comprising a standard adapted to be secured on a stationary portion of the loom, a bar extending from said standard, over the web of cloth, a sleeve mounted for restricted rotation on the end

of said bar, an indicator arm mounted on and swinging with said sleeve, the end of said arm adapted to contact the top of the cloth and swing in a plane disposed normal to the weft thread thereof, a spring disposed between said bar and said sleeve adapted to automatically return said indicator arm to its original position after being manually depressed and the manual pressure released and means to variously position said bar on said standard for the purpose of bringing the free end of said indicator arm into register with the weft-beating-up line of the cloth.

2,001,062
PHOTOGRAPHIC ENLARGER
Alvin Grant, Denver, Colo.
Application June 18, 1934, Serial No. 731,128
7 Claims. (Cl. 88—24)



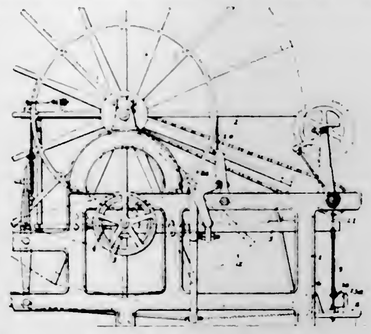
1. In a photographic enlarger: a light housing; a lamp within said housing; a lens tube projecting from one side of said housing condensing lenses within said tube; a plate hinged below said lenses; projection lenses secured to said plate; and means for detachably securing said hinged plate with said projection lenses in alignment with said condensing lenses; a shouldered recess formed in said hinged plate; a first glass plate fitted in said recess; a second glass plate hinged in said recess above said first glass plate so as to receive a film therebetween; and a laterally extending film groove formed in said hinged plate at opposite sides of said glass plates, the bottom of said film groove being substantially in alignment with the upper face of said first glass plate.

2,001,063
MANUFACTURE OF BZ1, BZ1'-DIBENZANTHRONYL
Edward T. Howell, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1932, Serial No. 648,978
17 Claims. (Cl. 260—61)

16. A technical Bz1, Bz1'-dibenzanthronyl substantially free of higher oxidation products and which, after recrystallization from nitrobenzene, has a melting point of about 414–425° C.

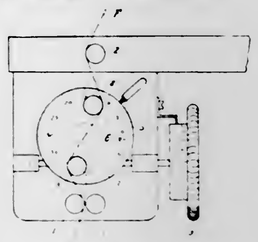
2,001,064
CONTROL MECHANISM FOR WARPING MACHINES AND THE LIKE
Frederick Klein, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New Jersey
Application March 22, 1934, Serial No. 716,794
11 Claims. (Cl. 28—51)

1. Mechanism for controlling the rotation of a rotary element of a machine of the class described comprising actuating means, actuated means including a rotary driver to be moved against said element on movement imparted to the actuated means from the actuating means,



and a coupling movable on one of said means into position for engagement with the other means and thereupon adapted to transmit motion to the actuated means on movement of the actuating means.

2,001,065
MANUFACTURE OF ELECTRIC CABLES
Maurus Klein, Berlin, Friedrichshagen, Germany
Application November 5, 1931, Serial No. 573,195
In Germany March 3, 1931
2 Claims. (Cl. 117—20)



1. In a method of manufacturing electric cables for signalling which comprise twisted strands of insulated conductors, supporting loosely wound supplies of the strands in coils from below, taking said strands not yet being under tension from said coils and drawing them by equal force through direct brakes coordinated individually to each of said strands, said brakes working by deforming the strands, applying thereby equal tension to each of said strands, and combining and twisting the strands while being under equal tension.

2,001,066
HYGROSCOPIC MATERIAL AND METHOD OF PREPARING THE SAME
Albert J. Loepsinger and William M. Trafton, Providence, R. I., assignors to American Moistening Company, Providence, R. I., a corporation of Maine
No Drawing. Application July 17, 1931, Serial No. 551,579
2 Claims. (Cl. 297—1)

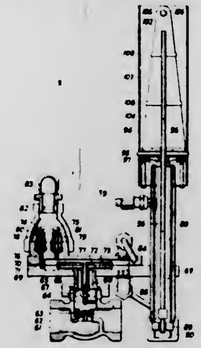
1. A hygroscopic element for humidity responsive apparatus, consisting of a piece of animal membrane composed substantially of elastin.

2,001,067
PUZZLE
Louis Ray Lane, Habana, Cuba
Application August 31, 1934, Serial No. 742,301
5 Claims. (Cl. 273—153)



1. A puzzle comprising an outer spherical shell having an opening, an inner ball rotatable in any direction, and means on said shell and said ball adapted to be brought into registration by the movement of the ball for solving the puzzle.

2,001,068
PORTABLE HEATER
John R. MacGregor, Albany, and Eldred E. Edwards, Oakland, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application April 25, 1932, Serial No. 607,461
2 Claims. (Cl. 236—80)



1. Apparatus for controlling the flow of gas to a portable heater having a main and a pilot burner, comprising a main valve body, a valve in said body, a diaphragm adapted to move said valve, a single valve means for admitting gas pressure to either side of said diaphragm, thermally responsive means for controlling said last named valve, and restricted passages from both sides of said diaphragm to release gas pressure thereon, said passages being unaffected by the position of said last named valve means and adapted to supply gas to the pilot burner.

2,001,069
ART OF TREATING SHOES
Herman Metz and Robert H. Brown, Paterson, N. J.; said Brown assignor, by mesne assignments, to said Metz
Application June 18, 1934, Serial No. 731,137
6 Claims. (Cl. 12—142)

1. The method of treating a shoe having a pluri-ply counter of pliable heat-shrinkable material which consists in applying heat to an exposed surface of one ply in a region of the counter in a zone of limited width and paralleling and substantially immediately subjacent to the top margin of the counter and thereby shrinking said region and thereupon applying



heat to an exposed surface of another ply in a region substantially coinciding with the first region and thereby effecting shrinkage in the second region.

2,001,070
NITROCELLULOSE GEL AND METHOD OF PRODUCING
Fred K. Shankweiler, Newport, and Walter E. Gloor, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1932, Serial No. 608,340
18 Claims. (Cl. 44—7)

1. A stable nitrocellulose gel including nitrocellulose, a nitrocellulose solvent, finely divided metal powder non-reactive with the nitrocellulose solvent and a metallic salt non-reactive with and soluble in the nitrocellulose solvent, either the metallic powder or the metallic salt including copper.

2,001,071
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Robert L. Sibley, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application September 30, 1932, Serial No. 635,633
36 Claims. (Cl. 18—50)

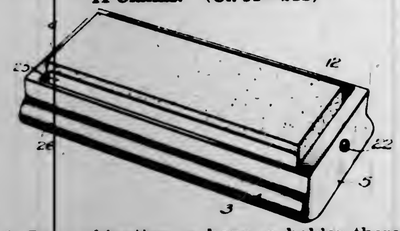
9. The method of preserving rubber which comprises treating rubber with the reaction product of substantially one molecular proportion of acetone-anil and substantially one atomic weight portion of sulfur.

2,001,072
BUCKLE
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application September 2, 1932, Serial No. 631,519
7 Claims. (Cl. 24—193)



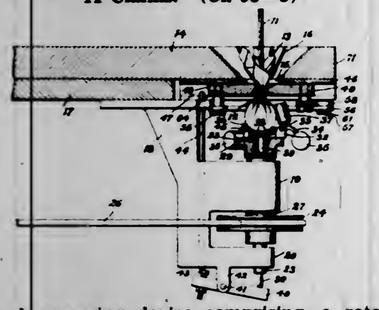
1. As an article of manufacture, a buckle for clamping a strap in locked position, comprising a lock plate, lock ears formed on the plate and extending outwardly from the plate at points set in some distance from the edge of the plate, an eccentric lever rotatably carried by the lock ears, and a clamping bar carried by the lock ears and in interspaced relation with the eccentric lever.

2,001,073
HONE
Jake Manfred Stivers, Carthage, Mo.
Application May 3, 1934, Serial No. 723,672
11 Claims. (Cl. 51—211)



1. In combination, a hone, a holder therefor, comprising a receptacle having a ridged inner bottom, and means for holding said hone on said ridge either rockably or stationary as desired.

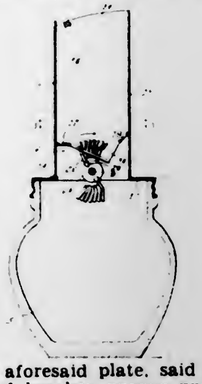
2,001,074
WRAPPING MACHINE
Oscar M. Stout, Garden City, and Hans Hoyer, Woodhaven, N. Y., assignors to Sweets Company of America, Inc., New York, N. Y., a corporation of Virginia
Application July 31, 1934, Serial No. 737,700
11 Claims. (Cl. 93—5)



1. A wrapping device comprising, a rotating support, a plurality of weighted arms pivotally mounted on said support and rotated therewith, fingers carried by said arms and adapted to be brought against an article and a wrapper, by centrifugal force acting on the weighted arms during rotation of the support to hold the wrapper against the article.

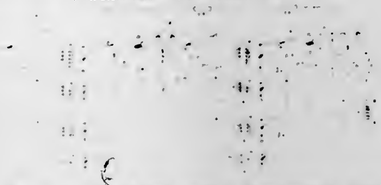
2,001,075
NUT CHOPPER
Carl A. Sundstrand, Rockford, Ill.
Application November 21, 1932, Serial No. 643,670
13 Claims. (Cl. 146—123)

1. In a device of the class described arranged to be mounted on a suitable receptacle, a hopper formed from a single piece of sheet metal to provide spaced side walls and a back wall extending therebetween, a slide formed from another piece of sheet metal arranged to serve as the front wall of said hopper, the front edges of the side walls being bent to form flanges, and said slide having the lateral edges thereof formed to fit slidably on said flanges, a sheet metal plate disposed in the lower end of the hopper and suitably secured to the side walls thereof, whereby to hold the latter in a predetermined relation besides forming the bottom of the hopper, said plate being bent to V cross-section, the crotch portion of the V having a plurality of transverse slots provided therein in parallelism, whereby to provide a series of parallel breaker bars, and a blade rotatably mounted on the side walls of the hopper



beneath the aforesaid plate, said blade having a plurality of breaker prongs projecting from the edge thereof and entered in the slots between the bars for cooperation with the latter in the breaking up of material placed in the hopper.

2,001,076
RADIO TUNING APPARATUS
Sarkes Tarzian, Bryn Mawr, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa.
Application February 28, 1934, Serial No. 713,267
7 Claims. (Cl. 250—40)

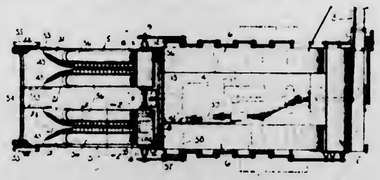


5. In a multi-range radio frequency tuning system, the combination of inductances of substantially different values supported on a common form, means for providing mutual coupling between said inductances, separate adjustable capacities permanently connected in parallel to said inductances, the circuits comprising said inductances and capacities being used in non-adjacent ranges, another circuit of inductance and capacity for use in frequency ranges adjacent to the frequency ranges employing the first mentioned circuits, means insuring substantially zero coupling between circuits of adjacent ranges, and means for successively connecting a variable capacity to each of said circuits for tuning through a range of frequencies.

2,001,077
HARVESTER
Frederick A. Thomann, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 24, 1930, Serial No. 430,731
Renewed August 6, 1934
28 Claims. (Cl. 56—33)

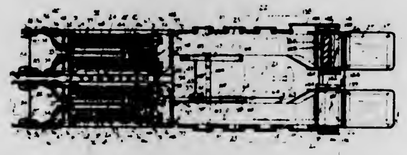
1. In combination, a pair of rotatable means each having cotton engaging means thereon

adapted to strip cotton from plants, the engaging means of one rotatable means overlapping the engaging means of the other rotatable means, and stationary means for stripping cotton from said engaging means, said engaging means having portions thereof inclined in a direction op-



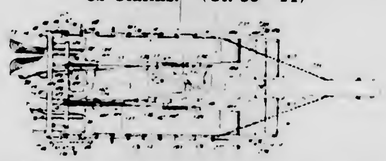
posite to that of rotation of said rotatable means and said stationary means having a portion thereof inclined toward said rotatable means, whereby the coaction between said engaging means and said stationary means permits of free removal of cotton by said stationary means.

2,001,078
HARVESTER
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 29, 1930, Serial No. 439,888
Renewed August 6, 1934
55 Claims. (Cl. 56—11)



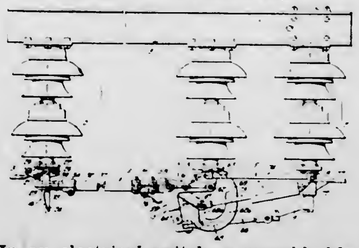
1. The combination, in a cotton harvester adapted to be mounted on a tractor, of row-following means having mechanism to operate upon plants and remove cotton therefrom, and means mounted forwardly of the row-following means for supporting the forward portion thereof from the ground surface, causing the same to follow the undulations of the ground surface.

2,001,079
COTTON HARVESTER
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 4, 1931, Serial No. 519,926
Renewed August 6, 1934
32 Claims. (Cl. 56—14)



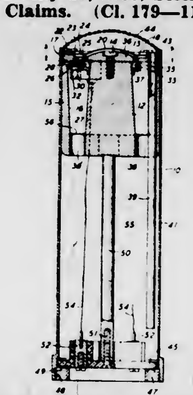
1. A cotton harvesting machine comprising row-following, plant stripping means extending in a generally longitudinal direction, and conveying means for receiving cotton from said stripping means, said conveying means including rotary elements also serving to remove foreign matter from the cotton, said last named means extending generally rearwardly alongside the longitudinally disposed stripping means and effective for continuous operation from stripping to discharge of the cotton.

2,001,080
ELECTRICAL SWITCH
Joseph S. Thompson, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application March 13, 1934, Serial No. 715,263
4 Claims. (Cl. 200—48)



1. In an electrical switch, a movable blade, a relatively stationary contact adapted to co-operate with one end of the blade, a crank having spaced pivotal connections with the other end of the blade and with a fixed support respectively, a stationary cam, a lever arm fixed to the blade and effectively engaging said cam, said cam having one portion thereof adapted to afford a substantial amount of continued movement of the crank after the blade has been moved to substantially closed position with respect to the stationary contact, and having another portion thereof formed to afford swinging movement of the blade between open and closed positions, and counterbalancing means connected to said lever arm, whereby said cam serves to simultaneously vary the effective counter-balancing of the blade.

2,001,081
ACOUSTIC DEVICE
Albert L. Thuras, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1933, Serial No. 670,291
3 Claims. (Cl. 179—115.5)



1. An acoustic device comprising a magnet having a central pole piece, an outer pole having a rim portion containing two radial slots located on different diameters, an outer pole piece carried by the outer pole and forming an air-gap with the central pole piece, a diaphragm supported by said outer pole piece, and a coil attached to said diaphragm and adapted to be positioned in said air-gap, said outer pole piece

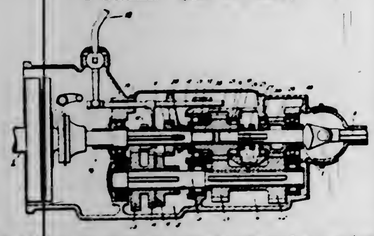
having two members extending radially therefrom for engagement with said slots to center said coil in said air-gap.

2,001,082

CHANGE SPEED GEAR MECHANISM FOR MOTOR VEHICLES

Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany, a company of Germany

Application June 12, 1931, Serial No. 543,877
In Germany June 13, 1930
1 Claim. (Cl. 74—333)



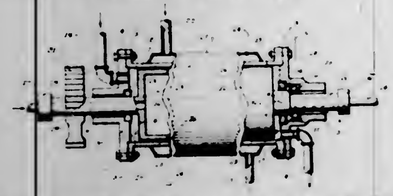
Change speed gear mechanism for motor vehicles comprising, in combination, a set of shiftable gears mounted on the driving shaft directly at the rear of the engine of the vehicle, adapted to be engaged with and disengaged from a set of conventional forward speed and reverse gears mounted on a counter-shaft below said drive shaft, a rearward extension on said counter-shaft beyond the rear end of said driving shaft, a driven shaft mounted rearward of and in alinement with said driving shaft, an intermediate gear receiving within its hub the adjacent ends of both said driving and driven shafts, a gear in constant mesh with said intermediate gear rigidly mounted therebelow on said rearward extension of the counter-shaft, another gear rigidly mounted on said counter-shaft-extension rearwardly of said before mentioned gear in constant mesh with a gear loosely mounted on said driven shaft, rearwardly of said intermediate gear, means for selectively engaging said intermediate gear with said driving shaft to rotate therewith, and means for alternatively engaging said intermediate gear, the gear mounted rearwardly thereof on the driven shaft, to rotate with the latter, and automatic means for forcibly engaging one of the two last mentioned gears with said driven shaft to rotate therewith at all times when the other of said gears is not engaged therewith.

2,001,083

CHILLING DEVICE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application August 10, 1933, Serial No. 684,532
7 Claims. (Cl. 257—88)



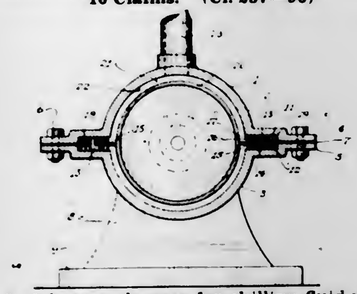
2. A chilling device comprising a cylindrical shell constituting an outer cooling element and provided at its ends with heads having central tubular extensions, the central tubular extension of one of the heads being enlarged to form an interior annular recess, a thrust bearing mounted in the said recess, a hollow rotary cylinder constituting an inner cooling element and having hollow shafts mounted in the tubular extensions of the said heads, one of the hollow shafts being provided with an enlargement forming a shoulder abutting the thrust bearing, means for introducing a liquid into the shell adjacent the other head, said inner and outer cooling elements forming a capillary space between them for the passage of the liquid and the capillary space being adapted to cause a drop in the pressure of the liquid and produce an end thrust against the said bearing, means for circulating a refrigerant interiorly of the rotary cylinder, and means for circulating a refrigerant exteriorly of the said shell.

2,001,084

HEAT EXCHANGE DEVICE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application July 9, 1934, Serial No. 734,263
16 Claims. (Cl. 257—96)



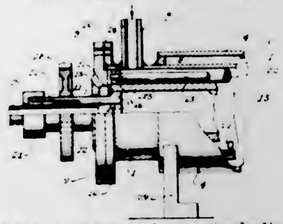
1. A heat exchanger for chilling fluid products including an outer casing having an inlet and an outlet for the passage of the product into and out of the casing, a hollow rotor mounted within the casing and spaced therefrom to form a narrow intervening space for enveloping the rotor within a thin sheet of the product to be chilled, means for introducing a refrigeration medium into the rotor, means for removing it therefrom, and means operating within the narrow intervening space between the rotor and the outer casing for removing frozen material from the surface of the rotor whereby the same is maintained at maximum efficiency.

2,001,085

HEAT EXCHANGE DEVICE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application July 25, 1934, Serial No. 736,828
21 Claims. (Cl. 257—89)



1. A heat exchange device including a main cylindrical shell having an inlet and outlet for

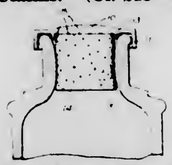
the introduction and removal of a fluid product to be chilled or heated and a hollow cylindrical rotor arranged within the main shell and spaced therefrom to provide an intervening space for the said fluid product, said rotor being provided with an inlet and an outlet for the passage of a chilling or heating medium, and cleaning means located in the intervening space between the main shell and the rotor and having a rolling contact with the shell and the rotor for cleaning the surfaces thereof without scraping the same, said cleaning means also supporting the rotor for rotative movement.

2,001,086

CLOSURE

Charles M. Villanyi, Bayside, N. Y., assignor to L. Mundet & Son, Inc., New York, N. Y., a corporation of New York

Application March 21, 1931, Serial No. 524,228
2 Claims. (Cl. 215—48)



1. A closure including a cap, a plug secured to the inner face of said cap, a bored extension forming a part of said cap and a swab mounting rod extending through said plug and having frictional engagement with said bore, the outer end of said rod being split and extending angularly with respect to the rod body.

2,001,087

IMPACT TESTING MACHINE AND METHOD

John Herbert Abramson, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois

Application February 9, 1931, Serial No. 514,371
16 Claims. (Cl. 265—13)



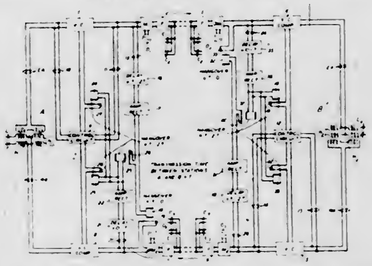
7. A testing apparatus comprising a plurality of graduated striking hammers, a guiding tube adapted to guide the vertical movement of said hammers, a hammer holder secured to the upper end of said tube having a plurality of openings for slidably holding said hammers, means for rotating said holder to bring successive openings into registration with said tube and permit said hammers to drop therethrough, a striking blade slidably positioned in the lower end of said tube and having a lower end projecting therefrom, and means for supporting a test piece having an edge with said edge against said blade.

2,001,088

TRANSMISSION CONTROL IN TWO-WAY SIGNALING SYSTEMS

Bjorn G. Bjornson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 27, 1932, Serial No. 589,197
8 Claims. (Cl. 179—170)



1. In a two-way signal transmission system comprising at least near the terminals thereof normally operative one-way paths for transmitting signals in opposite directions, means connected to the outgoing one-way path near at least one terminal of the system, and responsive to outgoing signals therein to disable the incoming path at the same terminal substantially at the same time as the arrival of said outgoing signals at the other terminal of the system, and means connected to the incoming path near said one terminal, and responsive substantially immediately to incoming signals therein to disable the output of the incoming path-disabling means at the same terminal.

2,001,089

HORN

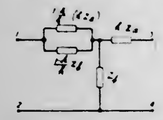
David G. Blattner, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1933, Serial No. 664,891
14 Claims. (Cl. 181—27)



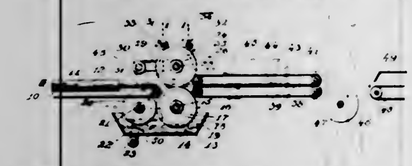
1. In a horn, a logarithmically tapered throat portion having a single passage and a mouth portion comprising a plurality of diverging sound passages each increasing in cross-sectional area at the same rate as the throat portion.

2,001,090
TRANSMISSION NETWORK
Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1933, Serial No. 689,228
8 Claims. (Cl. 178—44)



5. A four-terminal transmission network having the same transfer constant as a prototype network comprising a single series impedance Z_a and a single shunt impedance Z_b, comprising a series branch having an impedance hZ_a, a shunt branch of impedance Z_b and a second series branch having an impedance $(1-h)/h$ times the impedance of said first mentioned series branch and said shunt branch in parallel, where h is a positive numeric less than unity.

2,001,091
COATING DEVICE
Frank P. Carlson, Astoria, N. Y.
Application July 21, 1933, Serial No. 681,459
18 Claims. (Cl. 91—50)
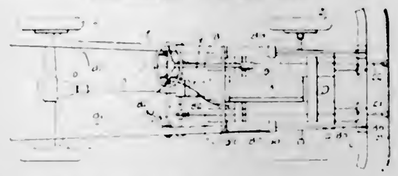


1. In a coating device, the combination with a single supply source, of a plurality of coacting coating carriers adapted to simultaneously coat both faces of the work, means in cooperation with one of the carriers for evenly distributing the coating thereover, without permitting an undue accumulation thereon, and the sides thereof, of a surplus of the coating, and means in operative engagement with another carrier for evenly distributing thereover the coating prior to applying it to the work.

2,001,092
IMPLEMENT FOR DRIVING STAPLES, FASTENERS, AND THE LIKE
John F. Cavanagh, Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application June 8, 1932, Serial No. 616,065
21 Claims. (Cl. 1—49)



1. In an implement for driving staples or the like, a handle, a head at one end thereof, staple-driving means on the head, a lever movable by impact with the work and a second lever actuated by the first lever to positively actuate the staple-driving means.

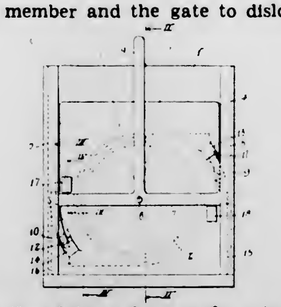
2,001,093
BUMPER MECHANISM
Peter N. Cherpes and Christ E. Kollias, Chicago, Ill.
Application February 1, 1934, Serial No. 709,286
5 Claims. (Cl. 180—83)



1. In an automotive vehicle, in combination, a pair of longitudinally extending housings adjacent one side of the vehicle, a similar pair of longitudinally extending housings adjacent the other side of the vehicle, two springs in tandem in every housing, two bumpers at the front end of the vehicle in horizontally spaced relation and both capable of inward and outward movement with respect to the vehicle, rods supporting and guiding the outer of said bumpers, one of said rods extending along and between the pair of housings adjacent one side of said vehicle, and another of said rods extending along and between the pair of housings adjacent the other side of said vehicle, said rods projecting beyond the inner ends of said housings, two rods supporting and guiding the inner bumper adjacent one end thereof and entering the adjacent housings, two other rods supporting and guiding the other end of said inner bumper and entering the adjacent housings, said four latter rods having spaced heads thereon within the respective housings, the heads adjacent the outer ends of said housings being fixed to said rods and the heads adjacent the inner ends of said rods being movable along said rods, the forward springs in every housing being disposed about the rod therein and between the heads on said rod, pistons within said housings adjacent the inner ends thereof, the rearward spring in every housing being between the piston and movable head in the housing, piston rods connected to said pistons and projecting through the inner ends of said housings, interconnecting means between the rods of the outer bumper and said piston rods for effecting movement of said piston rods in directions opposite to that of the movement of the outer bumper rods for compressing the rearward springs within said housing to cushion the inward movement of said outer bumper under impact, continued movement of said outer bumper under impact causing inward movement of said inner bumper and compression of the forward springs of said housings to compound the cushioning effect of said springs.

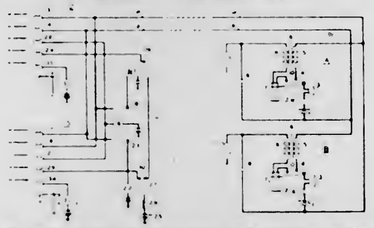
2,001,094
GATE VALVE
Francis Cuttle, Riverside, Calif.
Application August 5, 1933, Serial No. 683,838
3 Claims. (Cl. 251—56)

1. In a gate valve, a plate member having an orifice therein, a gate, grooved guides on said plate member for receiving the edges of said gate, a cross bar pivotally secured to the rear side of said gate and having tips extending laterally and forwardly from the outer ends thereof, said tips extending laterally in opposite directions, apertures in said gate through which said forwardly extended tips may pass, whereby rotation of said bar in one direction forces said tips through said openings and between the juxtaposed surfaces of the plate member and the gate to dislodge the



gate from the plate, and means for rotating said bar about its pivot.

2,001,095
TWO-PARTY LINE TELEPHONE SYSTEM
Gerald Deakin, New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1933, Serial No. 668,179
6 Claims. (Cl. 179—8.5)



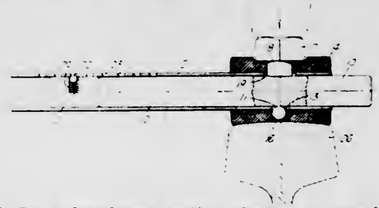
1. A two party automatic telephone exchange system comprising a rectifier at each station, a line circuit, a service meter individual to each station and located at the central office, and means including a finder switch for each station whereby only the service meter individual to one of said stations is adapted to be associated with the line circuit when said station originates a call.

2,001,096
PRESSURE MEASURING SYSTEM
Paul B. Flanders, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1933, Serial No. 655,698
6 Claims. (Cl. 177—351)



1. A vibration translating device of the electrostatic type for measuring low frequency variations in high fluid pressures comprising a housing of the order of one inch diameter adapted to be connected directly to the fluid container with the end thereof exposed to the fluid to serve as the vibratile element of the device, and an elongated electrode mounted in and in close spaced relation to the housing with one end in close spaced relation to the element.

2,001,097
HARDNESS TESTER
Royal E. Frickey, San Francisco, Calif., assignor to Welding Service, Inc., San Francisco, Calif., a corporation of California
Application October 2, 1933, Serial No. 691,750
3 Claims. (Cl. 265—13)



3. In a hardness testing device, a metal bar of known hardness, an impression ball formed of metal substantially harder than the metal of said bar and adapted to be interposed between one side of said bar and the body to be tested whereby an impact upon said bar causes said ball to indent both the bar and said body simultaneously, and a body of resilient vulcanized rubber surrounding the ball at one side of the bar, said last body forming a friction surface for engaging with the body to be tested, the friction surface being spaced from the bar a distance greater than the diameter of the ball.

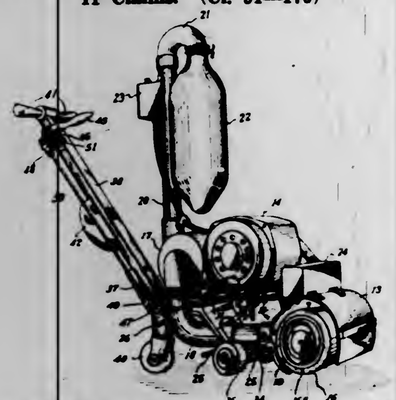
2,001,098
FLOOR SURFACING MACHINE
William E. Holt, Newark, N. J.
Application May 19, 1933, Serial No. 671,915
6 Claims. (Cl. 51—176)



1. A floor surfacing machine comprising a housing, a surfacing drum rotatably mounted within said housing, a dust suction nozzle positioned within said housing adjacent said drum, a fan fixed to said housing and arranged to communicate with said nozzle, an electric motor mounted on the top of said housing and having driving connections to said drum and fan, a rearwardly in-

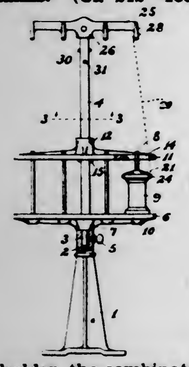
clined dust pipe connected to the discharge of said fan and having an inverted U-shaped section at its upper end extending forwardly thereof, grip members mounted on said dust pipe below said U-shaped section, and a dust bag communicating with the forward end of said U-shaped section and positioned at the front of said dust pipe, said dust bag being arranged throughout its extent in spaced relation to said electric motor.

2,001,099
FLOOR SURFACING MACHINE
William E. Holt, Newark, N. J.
Application February 12, 1935, Serial No. 6,153
11 Claims. (Cl. 51—176)



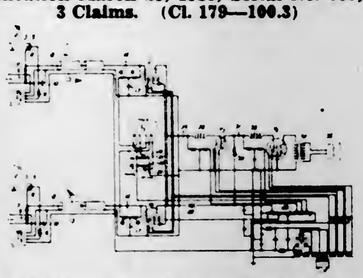
1. A floor surfacing machine comprising a supporting truck having a pair of supporting wheels mounted at its forward end, a housing tiltable about the axis of said truck supporting wheels, a surfacing drum rotatably mounted in said housing adjacent its forward end, a motor mounted on said housing, a driving connection between said motor and drum, and means for tilting said housing relative to said truck to move said drum toward and away from its operative position.

2,001,100
SPOOL HOLDER
Alexander Kaplan, Cleveland, Ohio
Application May 3, 1934, Serial No. 723,653
3 Claims. (Cl. 242—139)



1. In a spool holder, the combination of a base, pins projecting from the base adapted to receive spools, a bar projecting from the base, a plate slidably mounted upon the bar, the plate having openings opposite said pins, means for limiting the movement of said plate upon said bar from a position below the upper ends of said pins to a position for permitting removal of the spools from said pins, a lock carried by said plate, the lock having a lock-pin, and the lock-pin being adapted to lock said plate to said bar in either of said positions.

2,001,101
SWITCHING SYSTEM
George T. Lorance, Chappaqua, N. Y., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application March 29, 1933, Serial No. 663,282
3 Claims. (Cl. 179—100.3)



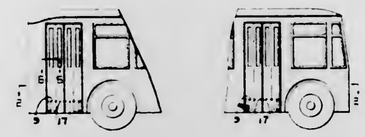
1. In a sound picture reproducing system, two sound reproducing channels, each of said channels including a photoelectric cell and a space discharge amplifying device having a control electrode that is connected to said cell through a circuit of high impedance, an output circuit common to said channels, a filter comprising resistance and capacitance in the biasing circuit connected with each of said control electrodes, and means for applying a disabling potential alternatively to said control electrodes through said respective associated filters, whereby upon the operation of said means the amplitude of signals gradually decreases in one of said channels and gradually increases in the other without a noticeable interruption of signals in said output circuit.

2,001,102
METHOD FOR THE PRODUCTION OF ARALKYL ETHERS OF CELLULOSE
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 12, 1934, Serial No. 734,803
6 Claims. (Cl. 260—152)

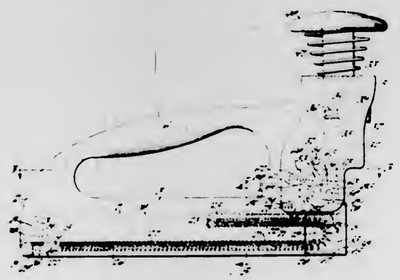
1. The method for the production of an aralkyl ether of cellulose which includes treating alkali cellulose with a mixture of an aralkyl halide and the corresponding diaralkyl ether to effect reaction between the alkali cellulose and the aralkyl halide, whereby the hydrolysis of the aralkyl halide is reduced.

2,001,103
MEANS FOR ACTUATING FOLDING DOORS
Edmund G. Mathauer, Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application June 20, 1933, Serial No. 676,648
2 Claims. (Cl. 296—49)

1. In a vehicle provided with a doorway and a step well, hinged doors normally closing said doorway, a floor for the vehicle, parallel housings at opposite sides of said step well, floor extensions covering said housings, and door operating means enclosed in said housings and being operably connected to the hinged doors at points spaced from the passageway whereby an unobstructed entrance is provided.



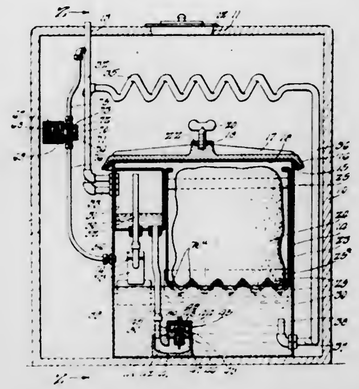
2,001,104
FASTENER-APPLYING IMPLEMENT
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application April 5, 1933, Serial No. 664,568
25 Claims. (Cl. 1—3)



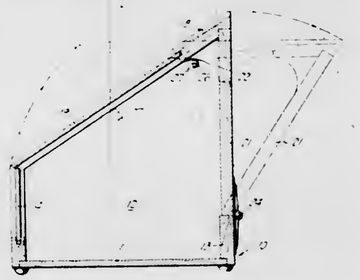
1. In an implement of the type indicated, the combination of a frame having a substantially flat base with a longitudinal slot open on its under side, fastener-applying means carried by said frame, a core adapted to support a series of fasteners to successively feed them to the applying means, said core having runners on its sides, and means on the outer sides of the base of the frame engageable with the runners by sliding the core into the slot to support the core in operative position on the frame.

2,001,105
REFRIGERATOR AND TEMPERATURE CONTROL DEVICE
Virginius W. Moody, Brooklyn, N. Y., assignor of two-thirds to Reynolds Metals Company, New York, N. Y., a corporation of Delaware, and one-third to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application June 22, 1933, Serial No. 677,006
8 Claims. (Cl. 62—91.5)

1. In a refrigerating system energized by a substance disposed to gasify when heated, a body of circulatory cooling fluid dissipating heat to said substance, a circulatory system through which said fluid circulates and having an intake end leading from said fluid body and an end discharging into said body, means for effecting a pressure from said gas for forcing said liquid into the intake end of said circulatory system, and means permitting the discharge of said circulatory system into said fluid body only incident to a selected state of depletion of said fluid body.

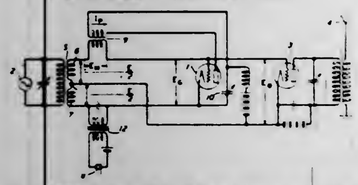


2,001,106
SHOW CASE
John E. Mullen, San Francisco, Calif., assignor of one-half to H. L. Judell & Company, San Francisco, Calif., a corporation of California
Application August 14, 1933, Serial No. 684,986
2 Claims. (Cl. 312—138)



1. A show case construction comprising a receptacle having fixed end, bottom and front walls and a narrow back wall section closing a small portion of the back of the receptacle which is less than the height of the front wall, the back and top edges of the end walls being arranged at an acute angle relative to each other, a closure structure comprising a top wall and a back wall section rigidly connected together at an angle corresponding to the angle of said end wall edges, said back wall section of the closure extending from the top edge of the fixed narrow back wall section to the top of the receptacle, means for hingedly connecting the two sections of the back wall to permit the closure structure to swing from its closed position rearwardly into an open position and stop means for arresting opening swinging movement when the center of gravity of the closure structure is behind said hinge connection, the top wall of the closure structure being substantially horizontal when the same is in full open position.

2,001,107
PHASE MODULATING SYSTEM
Juichi Ozawa, Mita, Shibaku, Tokyo, Japan, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1934, Serial No. 737,696
In Japan August 24, 1933
6 Claims. (Cl. 179—171)

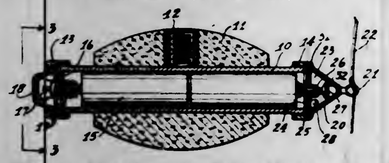


1. A phase modulating system comprising a vacuum tube with a cathode, an anode and a control grid, a divided carrier source with accessible midpoint, the outer terminals of said source being connected respectively to the grid and the cathode of the tube, means to feed back a carrier wave from the anode circuit to the grid circuit in quadrature with the instantaneous carrier voltage between the grid and the cathode, a load circuit bridged between the midpoint of the carrier source and the grid of the tube, and a signal source adapted to vary the anode current of the tube, whereby the phase of the carrier voltage across the load circuit is varied at a signal rate while the amplitude of said carrier voltage is rendered substantially independent of the signal.

2,001,108
STABILIZED HYDROCARBON OIL
Charles K. Parker, Richmond, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 6, 1931, Serial No. 549,085
8 Claims. (Cl. 87—9)

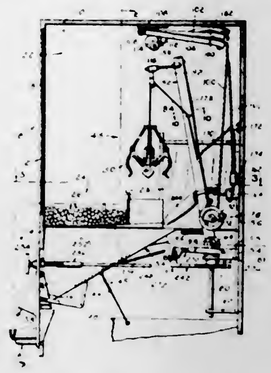
1. A stabilized mineral oil containing a calcium naphthenate in amounts of between about 0.05% and 2.0%.

2,001,109
FISH LINE FLOAT
Carlton J. Petrie, Montour Falls, N. Y.
Application September 4, 1934, Serial No. 742,548
11 Claims. (Cl. 43—17)



1. The combination of a fishing line and a self-contained float cooperatively attached to the line and which float means comprise a tubular member having a buoyancy medium disposed about the tube and between the respective tube extremities, an electric lamp bulb mounted at one extremity of said tubular member, a transparent protective cover for the bulb and which cover hermetically seals the bulb therebehind, an automatic gravity actuated control switch including a hood wall and a pellet located outwardly beyond the opposite tube extremity, and a battery arranged within said tube in an operatively interposed relation between said switch and the bulb.

2,001,110
BULK DISPENSING DEVICE
William Rabkin, New York, N. Y.
Application November 15, 1932, Serial No. 642,814
54 Claims. (Cl. 221—146)



1. In bulk dispensing apparatus for discharging from a storage a quantity of bulk material contained in the storage, means for separating a charge of material from the mass in storage, a boom for carrying the separating means, and means for swinging the boom for determining the point in the mass where the separating means will become effective, the boom swinging means including means for predetermining an actual point laterally and longitudinally of the storage mass at which the separating means will become effective.

52. The combination with a bulk-dispensing apparatus in which the bulk material is picked up from a storage mass by a grab device and then conveyed to a discharge outlet at which the charge of material is discharged, of a chute communicating with the outlet, a guard valve closing the bottom end of the chute, and a movable false bottom for the chute, the false bottom being vibrated when the valve is pivoted to open position for discharging material from the chute.

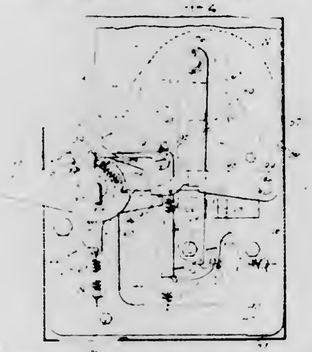
2,001,111
MOTOR MOUNTING
Omer E. Rhodes, Aberdeen, and Frank L. Rockwell, Cosmopolis, Wash.
Application February 7, 1934, Serial No. 710,114
2 Claims. (Cl. 248—15)



2. A motor mounting consisting of a base member having a plurality of ramps disposed thereon, slotted motor mounting plates having downturned and inclined lugs formed thereon adapted to engage the inclined surfaces of said ramps and to slide thereon in a manner to provide a parallel movement at the line of motor fasten-

ing, and a removable bolt extending through one end of said base and through the downturned lugs of said slotted plates.

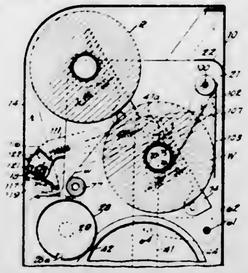
2,001,112
DUAL PURPOSE SEAT COVER AND TOWEL FORMING MACHINE
George Schaefer, Jr., Flushing, N. Y., assignor to Sanitary Public Service Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1933, Serial No. 703,100
43 Claims. (Cl. 164—68)



19. A machine having a cycle of operations for severing a web to form seat covers with flaps or towels one at a time from a web, including a fixed female roller and a movable male roller, the rollers meshing together and having end severing devices which transversely cut the web at regular distances to separate the articles and flap severing devices for forming a flap in each such article when desired, a pressure roller pressing the paper against the female roller and acting to draw the paper past the severing devices, a pivoted hanger in which the male roller is journaled, the hanger being movable to separate the male and female rollers so that neither severing devices may function, or bring them together so that both severing devices may function, a releasable latch for holding the hanger in the latter position, a spring for shifting it to the former position upon release of the latch, means for releasing the latch prior to the functioning of the flap severing devices whenever the flapless article is desired, and means for relatching the released hanger before the end severing devices are to function so that the articles are severed from the web, said releasing means being interconnected with a releasable stop mechanism which stops the machine after the completed article is passed beyond the pressure roller.

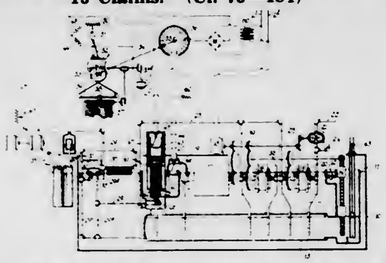
2,001,113
MACHINE FOR HANDLING STRIP MATERIAL
George Schaefer, Jr., Flushing, N. Y., assignor to Sanitary Public Service Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1933, Serial No. 703,101
22 Claims. (Cl. 242—58)

18. In a web replenishing mechanism, a roller about which an active web may be partially wrapped, a blade parallel with the roller, means to hold the blade out of contact with the roller or the active web, a clamp parallel with the blade and bodily movable therewith, the clamp being adapted to secure the end of a reserve web which has been carried about the free edge of the blade, and means to guide the blade upon its release to



move the reserve web into contact with the active web and roller.

2,001,114
METHOD OF AND APPARATUS FOR ASCERTAINING THE PROPORTIONAL VALUE OF A COMBUSTIBLE CONSTITUENT OF A FLOWING FLUID
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 8, 1931, Serial No. 507,384
13 Claims. (Cl. 73—184)



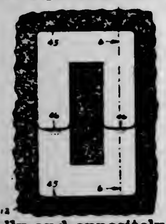
1. The method of continuously ascertaining the instantaneous proportional value of a constituent of a gaseous fluid, which comprises the steps of supplying to a burner a continuous metered flow of said fluid, supplying to said burner a continuous flow of another fluid, mixing said fluids and igniting the mixture whereby said constituent of the first-mentioned fluid combines chemically with at least a portion of said second-mentioned fluid to generate heat, continuously ascertaining the value of the total heat generated per standard cubic foot of said first-mentioned fluid, and utilizing said value as a direct indication of the proportional value of said constituent.

7. The method which comprises mixing streams of flue gases and air of equal volume, effecting combustion of the mixture in the presence of an excess of flowing hydrogen, effecting a separate metered flow of cooling fluid in heat exchanging relation to the products of combustion, ascertaining the difference in temperatures of said last mentioned fluid before and after the heat exchange, and utilizing the value of the difference so ascertained as a measure of the percentage content of oxygen in said flue gases.

2,001,115
CHANGEABLE SIGN DEVICE
Lester C. Shaw, Alameda, Calif., assignor of one-half to Cyril M. McKee, Oakland, Calif.
Application June 15, 1933, Serial No. 675,895
2 Claims. (Cl. 40—143)

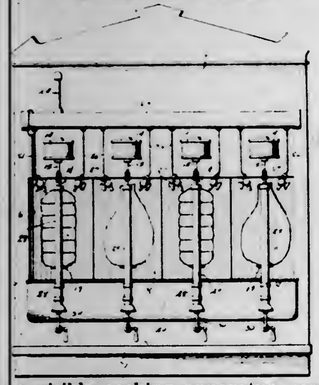
2. In a changeable sign, a backing plate provided with tongue-receiving slits, means for defin-

ing a changeable sign character on said plate and comprising a plurality of elements for mutual and variable overlapping to cooperatively define any one of a series of sign characters, and tongues



extending laterally and oppositely from said elements for engagement in appropriate said slits of the plate whereby to secure an assembly of the elements on the plate in character-defining relation.

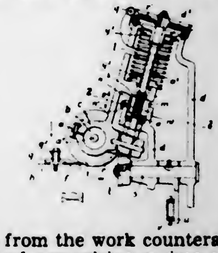
2,001,116
BARBECUING STOVE
Leonard G. Smith, Miami, Fla.
Application May 6, 1933, Serial No. 669,751
2 Claims. (Cl. 272—8)



1. In a visible cooking apparatus, means for suspending and rotating an article as if for cooking, a concavely curved reflector extending approximately the full length of the space occupied by the article, the reflector being approximately concentric to the axis of rotation of the article, and an illuminating means giving off a glow simulating the glow of hot coals and disposed between the supported object and the reflector and hidden by the object when the latter is so suspended.

2,001,117
RAZOR BLADE GRINDING MACHINE
Werner Tobias, Berlin-Sudende, Germany, assignor to Aktiebolaget Tonsor, Gottenburg, Sweden
Application November 26, 1932, Serial No. 644,471
In Germany December 4, 1931
2 Claims. (Cl. 51—74)

1. A grinding machine for grinding cutting edges on a continuously progressing steel band, comprising means to continuously feed the steel band, guides to hold and support the portion of the steel band to be momentarily worked, a grinding disc arranged opposite said guides, a slide carrying the disc, a pedestal in which the said slide is displaceable in a direction perpendicular to the disc axis, a spring arranged in the pedestal and adapted to urge the slide in a direction to engage the portion of the work guided between said guides, an adjustable abutment adapted to determine the working end position of the slide, and manually actuated means for disengaging



the disc from the work counteracting to the said spring and comprising a cam roller and a cam arranged on the slide and the pedestal of the machine, respectively, and co-operating with each other but being out of contact during the working of the disc.

2,001,118
RESILIENT CALK FOR HORSESHOES
Carl G. Akerberg, Oshkosh, Wis., assignor to Giant Grip Manufacturing Company, Oshkosh, Wis., a corporation of Wisconsin
Application April 19, 1934, Serial No. 721,386
3 Claims. (Cl. 168—41)



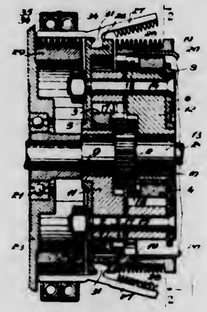
1. A horseshoe calk comprising a resilient pad member; a metallic insert having a hollow upper extension for engagement with a horseshoe and lower flanged portions embedded in said pad and providing a concavity for receiving some of the resilient material of said pad; and means interconnecting and reinforcing said flanged portions and adapted to strengthen the bond between said pad and said flanged portions by retaining said pad material within said concavity.

2,001,119
PISTON RING
Harry Francis Bedwell, Lyons, Ind.
Application February 16, 1934, Serial No. 711,582
1 Claim. (Cl. 309—45)



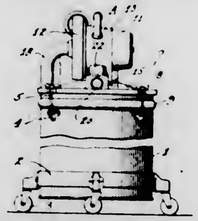
An oil ring for use on the piston of an internal combustion engine comprising a resilient split ring having opposed flat faces, there being an annular rabbet extending into the outer surface of the ring from its lower edge and formed with an upper wall inclined downwardly to provide a scraping edge at the outer periphery of the ring, and a series of annularly spaced slots extending inwardly from the rabbet at the center of the ring and in a plane parallel with the flat faces of the ring, said slots increasing in length away from the rabbet, that portion of the wall of the rabbet between the slots and the wall being inclined downwardly and outwardly to provide an oil receiving space of increased area between the slots and the scraping edge, there being channels in those portions of the wall of the rabbet between the slots and terminating at the ends of the slots for trapping oil and deflecting it to the slots.

2,001,120
CLUTCHING DEVICE
Wilhelm Brase, Berlin, Germany
Application February 9, 1934, Serial No. 710,453
In Germany November 27, 1933
10 Claims. (Cl. 192—79)



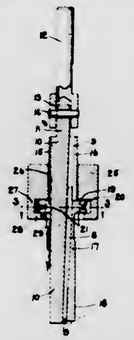
1. In a clutching device, the combination of a driving member, a driven member, one member having substantially cylindrical clutch surfaces, a plurality of levers arranged axially around the other member in clutching relation with said surfaces, a spring ring encircling said levers, and means for axially moving said ring to urge said levers into clutching engagement with said surfaces.

2,001,121
PORTABLE SUCTION CLEANER
Adam A. Breuer, Chicago, Ill.
Application August 30, 1934, Serial No. 742,055
2 Claims. (Cl. 183—90)



1. A suction cleaner adapted to clean furnaces and the like, comprising a tank open at the top, a cover removably secured on said tank, suction producing mechanism mounted on top of said cover, an outlet conduit connected to the intake of said mechanism and extending through a portion of said cover to provide communication with the interior of said tank, an inlet conduit extending through another portion of said cover in substantially horizontal direction, said inlet conduit having a portion thereof extending outwardly of said cover and adapted to receive a hose, and a curved wall formed as a part of said cover and disposed adjacent the discharged end of said inlet to divert the incoming suction stream from direct travel to the outlet and to impart swirling motion to the stream in said tank to lengthen the path of travel thereof and to facilitate the precipitation of solids in said stream.

2,001,122
LAP
Arthur J. Brickner, Muskegon Heights, Mich., assignor to Brickner-Kropf Machine Company, Muskegon, Mich., a corporation of Michigan
Application September 24, 1934, Serial No. 745,283
5 Claims. (Cl. 51—184.1)



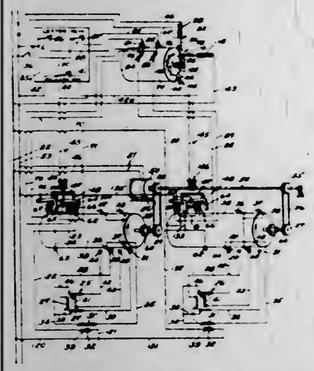
5. A lapping tool of the class described comprising, a body member having a plurality of runways extending from one end thereof, said runways being grooved to a substantially constant depth, a shoe for each runway, a rib on each shoe, said rib being tapered in depth from nothing to substantially the depth of said grooves and fitting in one of said grooves and the surfaces of the shoes and runways being so formed as to cause the shoes to move radially as they are slid longitudinally, and means encircling the shoes for reciprocating the same.

2,001,123
STABLE CHROMIUM-NICKEL-IRON ALLOY
Vere B. Browne, Brackenridge, Pa., assignor to Allegheny Steel Company, Brackenridge, Pa., a corporation of Pennsylvania
Application September 22, 1933, Serial No. 690,537
5 Claims. (Cl. 75—1)



4. A welded article for use in the chemical, metallurgical and physical fields, which without being annealed after welding is not susceptible to intercrystalline corrosion when in contact with corrosive media and which is made from a steel containing between 15–30% chromium, 6–16% nickel and carbon from .07–.20%, the nickel content being from 30–70%, of the chromium content, such steel being characterized by definite sluggishness and reluctance to dissociate when heated within the range of decomposition and in which the minimum combined chromium and nickel in relation to the carbon content is in accordance with line A—B of the graph.

2,001,124
DEVICE FOR TRANSMITTING INTELLIGENCE
Gordon A. Cooke, Pasadena, Calif.
Application April 19, 1930, Serial No. 445,669
12 Claims. (Cl. 177—349)



1. In combination in an intelligence transmitting device: a character assembly comprising a plurality of character elements disposed to form symbols when certain groups thereof are illuminated, each of said character elements comprising a gaseous discharge tube; a transformer having a low voltage primary winding and a high voltage secondary winding; selector means providing terminals electrically connected to said character elements and successively connecting said secondary winding of said transformer to different groups of said character elements; stop means associated with said selector means and stopping said selector means by mechanical engagement therewith when a desired group of said character elements are connected thereto; and means including said stop means for energizing said primary winding after said secondary winding has been connected to said last named group of character elements.

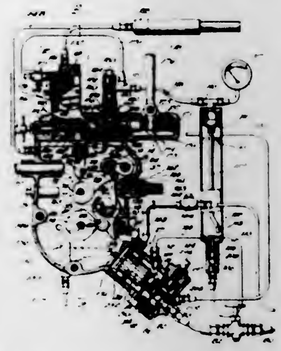
2,001,125
MANUFACTURE FROM RUBBER LATEX OF RUBBER ARTICLES CARRYING IMPRINTS
James Barret Crockett, Cambridge, Mass.
Application June 25, 1929, Serial No. 373,686
9 Claims. (Cl. 41—33)



2. A method which comprises applying rubber latex to a printed paper surface, drying the latex in applied position, and stripping the dried latex from the material, thereby taking off the printing medium and many of the fibers of the paper embedded in the latex.

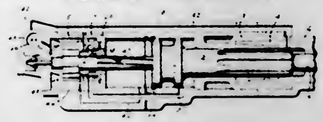
5. As an article of manufacture, a rubber article consisting of dried and vulcanized rubber latex surfaced with fibers embedded in the body of such latex and carrying an ornamental ink imprint thereon.

2,001,126
FUEL PUMP AND DISTRIBUTING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Clessie L. Cummins, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a corporation of Indiana
Application March 22, 1930, Serial No. 438,048
25 Claims. (Cl. 123—138)



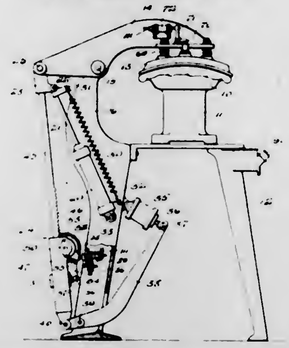
1. In a fuel feeding and distributing apparatus for a multi-cylinder, oil burning engine, the combination of a fuel pump of the plunger type having a single piston for feeding fuel to the cylinders, means for charging the pump with fuel under pressure, and distributing mechanism comprising a stationary member and a moving member each provided with passages through which the pump is alternately charged with fuel by the charging means and discharges fuel to the respective cylinders, the pump and moving member being mechanically driven in timed relation to the engine.

2,001,127
ROCK DRILL
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1934, Serial No. 724,293
7 Claims. (Cl. 121—10)



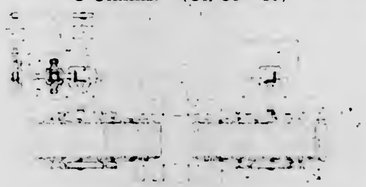
1. In a rock drill, the combination of a cylinder having a fluid actuated piston reciprocable therein, of a hollow tool implement slidable within the front end of the machine, of a fluid actuated valve member reciprocable in time relation with said piston for controlling the admission of the piston actuating pressure fluid into said cylinder, a passage controlled by said valve member being open thereby during the stroke of said piston in one direction for admitting compressed fluid from the interior of said cylinder to the bottom of the hole being drilled via said hollow tool implement, and being closed by said valve member during the stroke of said piston in the other direction.

2,001,128
GARMENT OR IRONING PRESS
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 14, 1930, Serial No. 461,105
16 Claims. (Cl. 68—9)



1. A garment or ironing press comprising cooperative pressing elements, one of which is movable toward and from the other; actuating means for the movable pressing element including an extendible link having sections slidable relative to one another; means for locking the link sections against relative sliding movement; controlling means for the locking means, and means operated by the pressure between the pressing elements for effecting the operation of the controlling means.

2,001,129
TABLE FOR ROLLING MILLS
Ernest Drexler, Pittsburgh, Pa.
Application November 5, 1934, Serial No. 751,502
3 Claims. (Cl. 80—47)



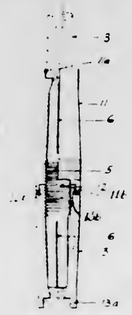
1. A table for rolling mills comprising a wheeled carriage inclusive of spaced side rails, track rails on which said carriage is mounted for movement, means for securing said carriage against movement along said track rails, a series of material supporting and conveying rollers mounted on and extending transversely between the carriage side rails, means for driving all of said rollers in the same direction, a frame inclusive of side rails disposed outwardly of the carriage side rails, a series of material supporting and conveying rollers mounted on and extending transversely between the frame side rails, means for driving all of the rollers of the second series in a direction opposite to the rollers of the first series, means whereby the frame rollers are permitted to move downwardly below the carriage rollers, a support, vertically movable frame lifting means mounted in said support, and a detachable connection between said frame lifting means and said frame whereby the frame and its rollers may be deposited on the carriage for movement therewith.

2,001,130
REVETMENT
John R. Fordyce, Hot Springs, Ark.
Application December 3, 1932, Serial No. 646,471
4 Claims. (Cl. 61—38)



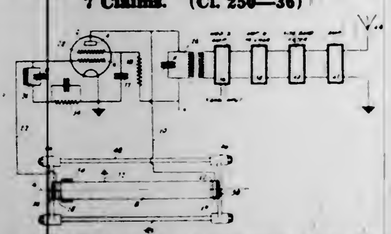
1. In the art of protecting revetments, the process comprising, heating normally hard asphaltum to a temperature substantially above its softening point, mixing mineral aggregate with the asphaltum, working the hot asphaltum-aggregate mixture about a substantially flat reenforcing network to form a self-sustaining sheet, and launching the sheet before the mixture cools to below the hardening temperature.

2,001,131
SOLDERLESS CONNECTER FOR ELECTRIC CONDUCTING CABLES
Henry C. Guhl, Haven, Kans.
Application January 10, 1933, Serial No. 650,976
1 Claim. (Cl. 173—268)



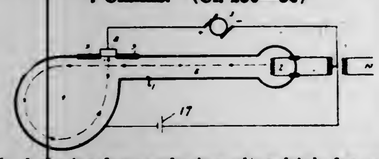
In a clamping connecter for the meeting end portions of two cables, the combination of two female members each having one end internally threaded, each female member also having therein a long and gradual taper that extends from the threaded part outward, and a dual male member having its intermediate part externally threaded and adjustably fitted in said intermediately threaded parts, said male member also having two annular arrangements of flexible elongated clamping jaws surrounding two spaces for receiving the meeting cable-ends, said jaws having only a minute portion of their free ends normally against the intermediate tapered parts and thereby pressed centripetally into engagement with the cable-ends, a very large proportion of the jaws being spaced from said long and gradual tapers, the said female members being of electric-insulating material and being formed with annular flanges that interlap with one another at their internally threaded ends so as to fully cover said externally threaded part in the different adjustments of the members relative to one another, the outer ends of said female members having annular flanges to overlap the insulation on said meeting end portions of the cables.

2,001,132
OSCILLATION GENERATION
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1930, Serial No. 468,890
7 Claims. (Cl. 250—36)



1. In apparatus for transforming direct energy to alternating energy, said apparatus including a vibrator whose length is effectively a whole number of half wave lengths of its fundamental frequency, the method of generating alternating energy of predetermined frequency which is determined by the length of said vibrator which includes producing, with a portion of the transformed direct energy taken from the apparatus, traveling mechanical waves along the length of said vibrator at the predetermined frequency, transforming the mechanical waves to waves of electrical energy and feeding the electrical energy so derived to the apparatus to control the frequency of the alternating energy generated.

2,001,133
HIGH FREQUENCY OSCILLATOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1930, Serial No. 471,309
7 Claims. (Cl. 250—36)

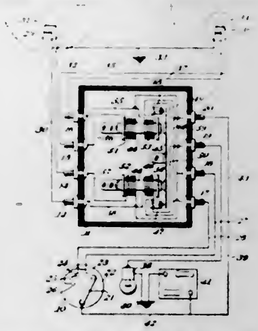


1. A device for producing ultra-high frequency oscillations, comprising a filament for emitting electrons, an anode for attracting electrons, and means for causing the stream of electrons to travel in a curved path so as to cross itself, said means comprising a curved shell which has a potential at least as negative as that of the filament, the anode being positioned in an opening in the curved shell and insulated therefrom.

2,001,134
METAL POWDER
Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, a corporation of Delaware
No Drawing. Application February 6, 1933, Serial No. 655,479
4 Claims. (Cl. 75—1)

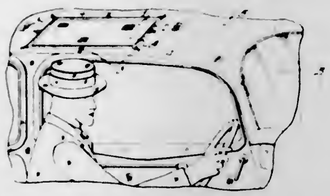
1. A method of manufacturing a metal object of die-cast configuration which comprises forcing a portion of the metal in the form of finely divided closely graded powder with metallic surfaces which are coated with metallic soap under adequate pressure into a die to cause the powder to cohere at an appropriate density into an object of the desired configuration, and then subjecting the object thus formed to a heat-treatment operation until substantially all of the metallic soap is decomposed and, the powder particles are welded into a substantially homogeneous mass.

2,001,135
HEADLIGHT PROVING APPLIANCE
Luther R. Harmon, Milwaukee, Wis.
Application February 1, 1934, Serial No. 709,387
2 Claims. (Cl. 177—311)



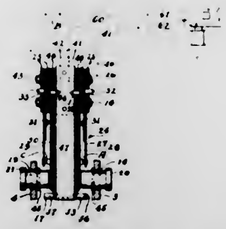
1. In combination with the lighting system of a motor vehicle having a plurality of lighting units, a plurality of filaments in each of said units, a filament of one unit corresponding with a filament in the other unit, a plurality of relay cores corresponding in number to the number of units, a plurality of windings on each of said cores corresponding in number to the number of filaments in each of said units, a source of current, circuits for connecting corresponding filaments in parallel with each filament in series with a corresponding relay coil, switch means for selectively closing any one of said parallel circuits and for simultaneously closing a plurality of said circuits, and a signal circuit including a switch means controlled respectively by the core with which it is associated, and a proving device in said signal circuit.

2,001,136
REMOVABLE WALL-LINING
George Holderbach, St. Louis, Mo., assignor to Evr-Klean Seat Pad Company, St. Louis, Mo., a corporation of Missouri
Application July 30, 1934, Serial No. 737,624
4 Claims. (Cl. 45—138)



1. As a new article of manufacture, a covering or lining including a body-member, elastic strips endwise fixed to, and disposed in spaced relation along, the margin of the body-member, and hooks carried by said strips for detachably securing the body-member flatwise to and upon a wall or the like.

2,001,137
ALARM SWITCH
Richard M. Hopkins, New York, N. Y., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1929, Serial No. 410,718
10 Claims. (Cl. 200—167)



1. In combination, a pair of normally closed switches changeable from closed to open position; a movable indicating means; and means for mounting and guiding the indicating means; said indicating means being engaged by the switches and thereby held against movement from normal to indicating position when either switch is in normal condition, and being released to move to indicating position whenever both switches are open.

2,001,138
SEALING MEANS
Harold E. Johnson, Evanston, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 11, 1931, Serial No. 562,377
7 Claims. (Cl. 288—1)



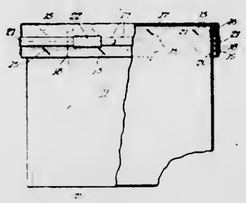
6. A self-contained sealing unit comprising a cup-shaped sheet metal holder, a flanged packing ring positioned against the bottom of the holder with the flange so arranged as to seal against a rotating shaft passing through the holder, a thin sheet metal spring ring positioned against the packing ring and provided with a large number of closely arranged tongues in spring-pressed engagement with said flange, a single sheet metal closure ring positioned under pressure against the tongues of the spring ring, with the tongue-engaging portion of the closure ring located in a plane which is spaced axially a substantial distance from both the edge of the rim of the holder and the edge of the flange of the packing ring, and an inturned locking flange on the edge of the rim of the holder having clamped engagement with a radially extending flange on the closure ring, said closure ring being spaced inwardly from the rim of the holder at all points except at the edge of the holder.

2,001,139
BOOK HOLDER
William V. Johnson, Washington, D. C.
Application April 19, 1934, Serial No. 721,392
4 Claims. (Cl. 45—57)



1. As a new article of manufacture, a pair of elongated plates, means for hingedly connecting marginal portions of said plates to allow said plates to be disposed one over the other, outstanding flanges carried by the opposite longitudinal margins of the plates, said flanges lapping when the plates are in folded or compacted adjustment, and pads of yielding material carried by the flanges of one of the plates and disposed over the inner faces of said flanges for engagement with the leaves of an applied book to hold said leaves against accidental turning, the top surfaces of the pads being disposed on a transverse downward incline toward the adjacent plate.

2,001,140
CONTAINER
Isaac N. Jordan, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application April 15, 1933, Serial No. 666,254
4 Claims. (Cl. 229—45)



1. A container comprising a body member open at the top and provided with a marginal external bead about the opening, in combination with a cover member therefor comprising a sheet notched at its several corners and bent on lines connecting the apexes of the notches to provide about its margin downwardly extending independently hinged flanges each provided with a marginal internal bead adapted to take over and interlock with the body bead when the flanges are swung inwardly against the sides of the body, and exteriorly disposed means to con-

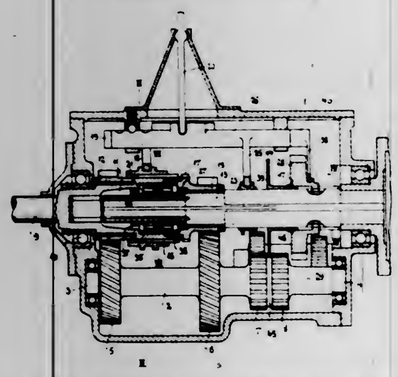
fine the flanges about the body with the beads interlocked, said confining means readily releasable to permit disengagement of the interlocking beads and removal of the cover upwardly.

2,001,141

TRANSMISSION FOR TRANSMITTING POWER AT DIFFERENT SPEED RATIOS FROM A DRIVER SHAFT TO A DRIVEN SHAFT

Coom Kittilsen, Lille Trag, near Porsgrunn, Norway

Application March 5, 1934, Serial No. 714,191
In Norway July 31, 1933
2 Claims. (Cl. 74—339)



1. A transmission for transmitting power at different speed ratios from a driver shaft to a driven shaft, arranged substantially in alignment with each other, and comprising an auxiliary lay shaft and two sets of gears in constant mesh with each other, one gear of each of these sets being mounted fixed to the said lay shaft and the other two gears respectively being rotatably mounted on the driver shaft and on the driven shaft, a sliding clutch being arranged non-rotatable on the end of the driver shaft and being provided with means for connecting one or the other of the said freely mounted gears directly to the driver shaft, the said driver shaft being hollow at its end and the said driven shaft having an extension projecting into said hollow, the internal diameter of the driver being so large in relation to the said extension of the driven shaft that a free annular space will remain between them, a sliding clutch being arranged on the said end of the driven shaft and means being arranged on the driver shaft and on the gear, freely mounted on the driven shaft to adapt the said clutch to engage alternately with the said driver shaft and with the said freely mounted gear on the driven shaft.

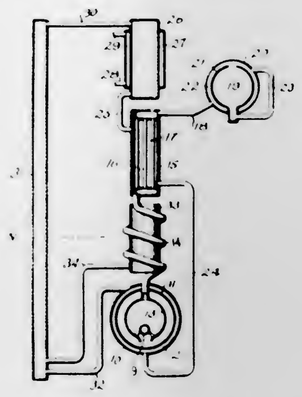
2,001,142

INTERMITTENT ABSORPTION REFRIGERATING APPARATUS AND METHOD

Donald B. Knight, Brooklyn, N. Y., assignor to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware

Application March 18, 1931, Serial No. 523,394
30 Claims. (Cl. 62—5)

15. In the art of refrigerating with intermittent absorption apparatus, supplying volatile liquid to cool the condenser by vaporization during the generating cycle, transferring the liquid to cool the generator-absorber by vaporization during the refrigerating cycle, condensing the vapor-



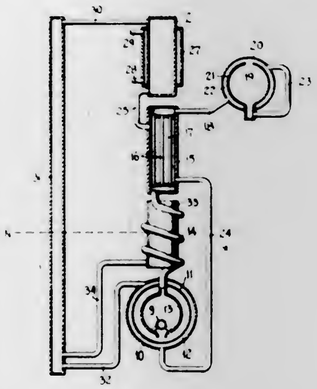
ized fluid, and returning the liquid to the part being cooled.

2,001,143

INTERMITTENT ABSORPTION REFRIGERATING APPARATUS

Donald B. Knight, Brooklyn, N. N. Y., assignor to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware

Application March 18, 1931, Serial No. 523,395
12 Claims. (Cl. 62—118)



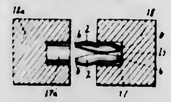
12. A refrigeration system including an evaporator, a receiver, a condenser, apparatus for causing alternate expulsion and absorption of refrigerant fluid with respect to an absorbent therefor, said condenser being connected to receive expelled refrigerant vapor, means to conduct condensed refrigerant liquid from said condenser to said receiver, said evaporator being connected for flow of refrigerant vapor therefrom to said absorption apparatus, and a thermosyphon for delivering liquid from said receiver to said evaporator.

2,001,144

DOWEL PIN

Rudolf Krnanský, Montreal, Quebec, Canada

Application April 9, 1934, Serial No. 719,713
5 Claims. (Cl. 20—92)



1. A dowel pin comprising two similar semi-cylindrical parts, having their inner-contacting surfaces receding from the middle towards their ends.

2,001,145

ART OF RIVETING

Albert L. Lambert, Narberth, and William J. Meinel, Philadelphia, Pa., assignors to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 29, 1934, Serial No. 708,731
1 Claim. (Cl. 78—46)



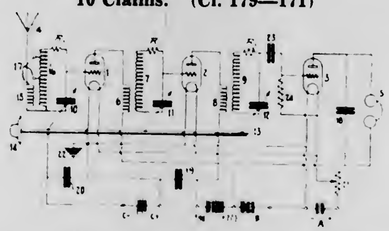
Riveting of the character described which includes placing a washer of chrome steel about an annular curved groove provided adjacent one end of a rivet pin protruding from the parts to be riveted, the washer being substantially the same width as the groove, and cold working the washer to flow the washer as a whole to fill the groove and into tight contact with the parts to be riveted, the said working being sufficient to substantially increase the tensile strength of the washer.

2,001,146

PRETUNED RADIORECEIVER AND METHOD OF PRODUCING SAME

Harold M. Lewis, Bradley Beach, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original application April 14, 1926, Serial No. 101,848. Divided and this application March 4, 1927, Serial No. 172,603
10 Claims. (Cl. 179—171)



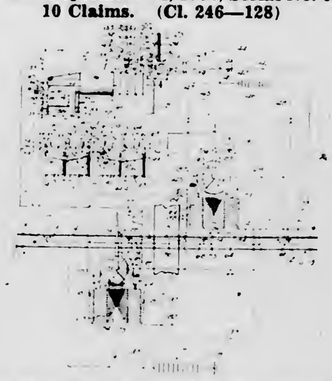
1. In a radio receiver, a plurality of thermionic tubes in cascade, each tube having an anode, cathode and at least one grid, a tunable oscillatory circuit connected between the cathode and grid of each tube, each of said oscillatory circuits including a variable tuning condenser, a conductive, actuating shaft having the rotor units of the said condensers directly affixed thereto in spaced relation along the length of the shaft thereby electrically connecting the respective rotor units of the condensers at a common potential, the shaft being arranged to operate said units in unison, a common means for maintaining the grids of said tubes, said shaft and rotor units biased at a common potential which is more negative than that of the cathodes, and a capacitive path of low impedance for radio frequencies directly connected between said conductive actuating shaft and the cathodes.

2,001,147

AUTOMATIC RAILWAY CROSSING GATE

Alfred E. McClaren, Joplin, Mo.

Application September 14, 1932, Serial No. 633,169
10 Claims. (Cl. 246—128)



1. Apparatus of the character described comprising a gate for a railway grade crossing, means for operating said gate to move it between vertical inoperative position and horizontal operative position, said operating means comprising a gate lowering solenoid device and a gate raising solenoid device each having a circuit therefor, a switch normally closing the circuit through the second named solenoid device and movable to operative position for closing the circuit through the first named solenoid device, an operating magnet for said switch energizable to move said switch to operative position, and control means for said operating magnet comprising a solenoid energizable by a train passing a predetermined point in advance of the grade crossing, an armature for said solenoid having means for retarding its movement upon energization of the solenoid, said armature also having means tending to urge it to normal position upon deenergization of said solenoid to close a circuit through said operating magnet, and a track device arranged between the grade crossing and said predetermined point and operative by a train passing thereover for deenergizing said solenoid.

2,001,148

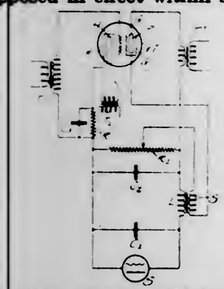
SYSTEM FOR ENERGIZING SPACE DISCHARGE DEVICES

Benjamin F. Miessner, Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 3, 1929, Serial No. 360,045
Renewed October 22, 1931
20 Claims. (Cl. 179—171)

1. An amplifier system including a vacuum tube having a cathode, control grid, anode and an anode shield grid electrode, input and output signal current circuits, connections for energizing said control grid and anode electrodes from the some source of unidirectional pulsating current, a connection for energizing said anode shield grid electrode, and means for impressing upon

said last named connection pulsations from said source opposed in effect within said tube to the



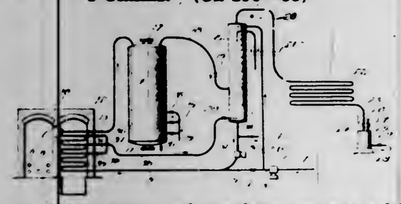
resultant effect of said pulsating energizing of said control grid and anode electrodes.

2,001,149
RETAILING CONTAINER FOR FRUIT AND THE LIKE
Carl Monschein, Vienna, Austria, assignor of one-fourth to Gerhard Greiner and one-fourth to Josef Reitner, both of Vienna, Austria
Application February 17, 1934, Serial No. 711,750
In Austria June 17, 1932
3 Claims. (Cl. 229—53)



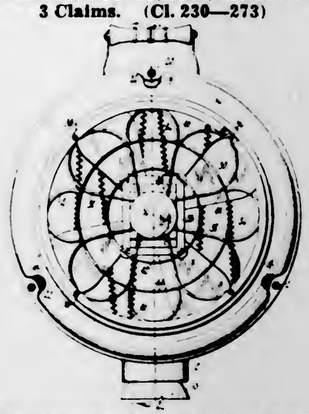
1. A collapsible container for fruit consisting of two similarly shaped bags of flexible material placed one within the other and stuck together at opposite points with the formation of a pocket therebetween, the inner of the said bags being closed and perforated at the bottom, and the outer of the said bags having an outlet aperture at the bottom.

2,001,150
HYDROCARBON OIL CONVERSION
Edwin F. Nelson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application May 9, 1928, Serial No. 276,264
8 Claims. (Cl. 196—58)



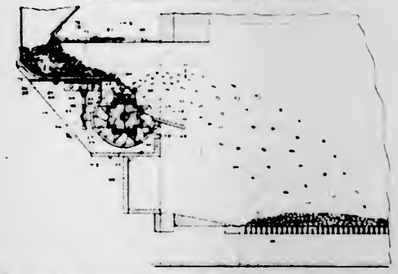
1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating coil wherein the oil is heated to cracking temperature, removing from the coil a portion of the oil passing therethrough and discharging the remainder thereof into a vapor separating zone, separately removing vapors and unvaporized oil from said zone and subjecting the former to dephlegmation to condense insufficiently cracked fractions thereof as reflux condensate, and re-boiling said reflux condensate by admixing the same with said portion of the oil removed from said coil.

2,001,151
MOTOR SUPPORT FOR AIR CIRCULATORS AND HEATERS
Eugene Newnham, St. Louis, Mo., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri
Application December 19, 1932, Serial No. 647,859
3 Claims. (Cl. 230—273)



1. A fan motor support comprising a grid member adapted to serve both as a support and as a guard for the fan blades of a fan motor, said motor support having a disc secured to the center portion thereof, means extending through said disc for attaching said motor thereto, a cover plate for said means, said cover plate having ears bent over the edge of said disc.

2,001,152
STOKER FOR FURNACES
George W. Olney, Minneapolis, Minn.
Application April 5, 1930, Serial No. 441,804
5 Claims. (Cl. 110—115)



3. In a stoker for furnaces embodying means for delivering and discharging coal in a horizontal plane, a rotor operative below the point of discharge from said means embodying an inner portion more than half the diameter of the paths of the outer limits of its beaters, and provided with a multiplicity of beaters positioned along the longitudinal extent of said inner portion each having an active face with portions diverging from the center of the rotor toward its ends in planes out of the axis of said rotor, the number of said beaters being such that each beater and the active face thereof cooperates with the rear face of the beater ahead of it in moving the coal, and means for revolving the rotor so said active faces move upwardly toward and pass under and near the line of discharge from said delivering and discharging means.

2,001,153
ELECTRICAL CONDENSER
Percival James Packman, Seven Kings, England, assignor to The Plessey Company Limited, Ilford, Essex, England, a British company
Application August 12, 1931, Serial No. 556,481
In Great Britain April 2, 1931
3 Claims. (Cl. 175—41.5)



1. An electrical condenser comprising the combination of a plurality of vanes having apertures therein of volute cross-section and arranged in any desired spaced relationship and a vane supporting member of similar volute cross-section uniformly throughout its vane supporting length, which supporting member is passed through the said apertures and is jammed against the walls of the apertures to support the vanes in spaced relation.

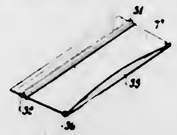
2,001,154
DOUBLE-WALLED VACUUM CONTAINER
Arthur H. Payson, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio
Application May 5, 1934, Serial No. 724,196
3 Claims. (Cl. 91—68.3)



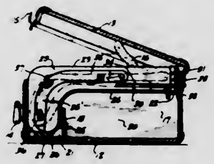
1. In the manufacture of double-walled vacuum containers, the method of forming an unsilvered window in the silvered inner walls of the vacuum space, which method comprises inserting a member into said space and maintaining it in firm contact with opposing portions of said walls along a sufficiently wide area substantially lengthwise of the container, and treating said inner walls with a silvering solution while said member is held in place, whereby the opposing wall surfaces covered by said member remain unsilvered and transparent to serve as a window or sight opening, the inserted member being then withdrawn.

2,001,155
RAZOR BLADE
Peter Nicholas Peters, New York, N. Y.
Application June 21, 1934, Serial No. 731,585
22 Claims. (Cl. 30—12)

1. The method of increasing the rigidity of a cutting edge of an elastic, flexible blade, which consists in flexing said blade about one or more axes transverse to said cutting edge, and flattening out the marginal portion only of the blade containing said cutting edge.

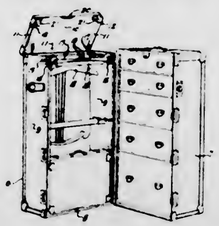


2,001,156
WARDROBE SUITCASE
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application June 15, 1934, Serial No. 730,778
12 Claims. (Cl. 190—41)



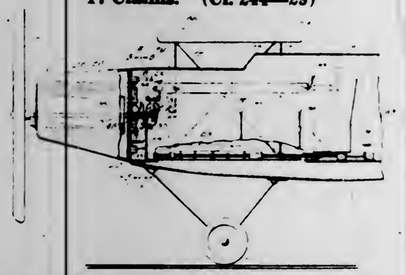
1. In a wardrobe suitcase, a garment carrier section having a relatively flat portion, a garment hanger detachably mountable within said section, and a garment folding frame carried by said section and extending beyond said flat portion and cooperable with said hanger to fold a garment associated with the latter medially of the length of the garment and to additionally offset the overlapping folded garment portions from the plane of normal draping thereof from said hanger and beyond said flat portion.

2,001,157
CLOSURE GUIDE
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application June 21, 1934, Serial No. 731,680
6 Claims. (Cl. 190—13)



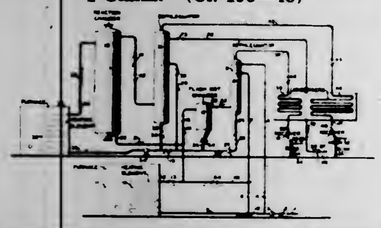
1. In combination, a container having walls, opposite side portions of which are deflectible laterally when the container is fully opened, a cover hingedly connected to said container and swingable toward said wall side portions, and projecting guide members secured within said cover adjacent side portions thereof and cooperable, when the cover is moved toward closed position, with inner surfaces of said container wall portions to prevent and overcome inward deflection of said wall portions out of their normal planes.

2,001,158
FLYING MACHINE
Richard W. Sears, 2d, and James F. Koca, Woodstock, Ill.; said Koca assignor to said Sears, 2d
Application June 12, 1930, Serial No. 460,604
Renewed August 10, 1933
17 Claims. (Cl. 244—29)



3. In a flying machine, the combination with a supporting frame, of propelling mechanism detachably connected thereto, an aeroplane unit adjustably mounted on said frame, a seat for the pilot, mechanism for shifting said seat forwardly while said unit is shifted rearwardly, and power-operated mechanism controlled by said pilot to release said propelling mechanism to drop the same while said machine is in flight, said power-operated mechanism also operating said shifting mechanism to adjust the center of gravity and the position of said unit to enable the structure remaining in flight to act as a glider.

2,001,159
TREATMENT OF HYDROCARBON OIL
Jean Delattre Segay, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application August 16, 1930, Serial No. 475,704
1 Claim. (Cl. 196—48)



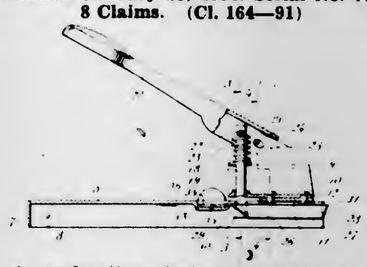
A hydrocarbon oil cracking process which comprises passing relatively clean hydrocarbon distillate in a restricted stream thru a heating zone and heating the same therein to cracking temperature under sufficient pressure to maintain a substantial portion thereof in liquid phase, discharging the heated oil into a vapor separating zone maintained under cracking conditions of temperature and superatmospheric pressure and separating the same therein into vapors and unvaporized oil, removing the separated vapors and dephlegmating the same under superatmospheric pressure to condense insufficiently cracked fractions thereof as reflux condensate, separately removing the unvaporized oil from the separating zone and flash distilling the same in a flashing zone by pressure reduction, simultaneously with the foregoing operation independently heating fresh charging oil for the process, under a pressure higher than that prevailing in the flashing zone and without substantial cracking thereof, to a temperature adequate to distill a substantial portion thereof under the pressure of the flashing zone, introducing the thus heated charging oil, prior to any substantial cracking thereof, to the flashing zone and vaporizing a substantial portion thereof in the flashing zone, removing the admixed flashed vapors and charging oil vapors from the flashing zone, separately removing residuum from the flashing zone and isolating the same from the process, dephlegmating the admixed vapors removed from the flashing zone independently of the vapors removed from the separating zone and under the reduced pressure of the flashing zone to condense heavier fractions thereof by passing the same in indirect heat exchange relation with said charging oil undergoing heating whereby the heat of the vapors is utilized to supply at least a portion of the heat required to distill the charging oil, and supplying such condensed heavier fractions and said reflux condensate to the heating zone to constitute said relatively clean distillate.

2,001,160
PERCOLATOR CONSTRUCTION
John E. Smith, Belleville, Ill., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri
Application February 23, 1932, Serial No. 594,607
4 Claims. (Cl. 53—3)



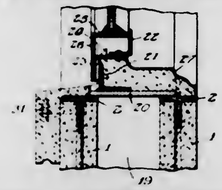
1. In a percolator construction, a moulded container having an opening in the upper end thereof, a percolator cup therein having a peripheral bead at its upper end and a cover for the opening in the upper end of said container, said cover having a downwardly projecting flange fitted over said bead and having its lower edge contracted to a slightly smaller internal diameter than the external diameter of said bead whereby the cover is retained by said bead when said container is tipped to pouring position.

2,001,161
PERFORATING DEVICE
Harry D. Snyder, New York, and Emil Kern, Flushing, N. Y.
Application January 29, 1934, Serial No. 708,725
8 Claims. (Cl. 164—91)



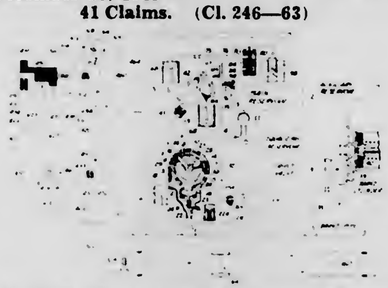
1. A perforating device comprising a base, standards thereon each of sheet metal bent to provide a top and bottom with guide openings therein and projecting ears, punches supported in the guide openings and an operating lever pivotally connected to the punches and fulcrumed in slots formed in the ears, the slots being disposed with their axes in angular relation to a horizontal plane parallel to the base.

2,001,162
SYSTEM OF BUILDING CONSTRUCTION
Joseph B. Strauss, Chicago, Ill.
Application September 23, 1931, Serial No. 564,560
6 Claims. (Cl. 72—1)



6. A structure comprising a building section comprising a metal edge with one projecting flange forming a unitary member T-shaped in cross section, a unitary metallic mesh connected with said metal edge near its center and cementitious material embedding said mesh and limited by and flush with the face of the metal edge the outer face of said flanged metal edge being substantially parallel throughout its entire area with the cementitious material which engages the face of said metal edge.

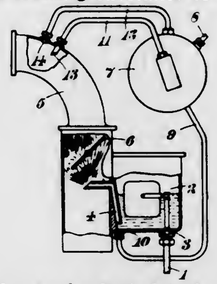
2,001,163
TRAIN-CONTROL APPARATUS
Frank J. Sprague, New York, N. Y., assignor to General Railway Signal Company, New York, N. Y., a corporation of New York
Original application December 31, 1914, Serial No. 879,939, now Patent No. 1,780,148, dated October 28, 1930. Divided and this application August 24, 1927, Serial No. 215,119. In Canada December 29, 1915
41 Claims. (Cl. 246—63)



21. In an automatic train control system a brake control device inactive when energized, a main energizing circuit and an auxiliary circuit for said device, manual means to close the auxiliary circuit and means to prevent the auxiliary circuit from being closed if the brake control device is in its active condition.

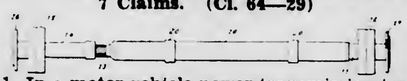
2,001,164
INDUCTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Andrew Swan and William Helmore, Hampshire, England
Application August 1, 1934, Serial No. 737,974
In Great Britain August 3, 1933
16 Claims. (Cl. 123—127)

1. A device for preventing detrimental ice formation in the induction system of an internal-combustion engine comprising means for supplying an anti-freezing substance to said induction



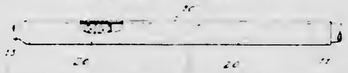
system and means adapted to be influenced by freezing conditions, whereby automatically to control the supply of anti-freezing substance.

2,001,165
PROPELLER SHAFT
Benjamin A. Swennes, Rockford, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 7, 1932, Serial No. 615,917
7 Claims. (Cl. 64—29)



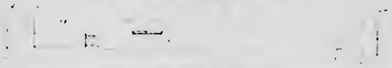
1. In a motor vehicle power transmission train, a hollow propeller shaft having suitable power transmitting connections at opposite ends, and means turning with the shaft as a rigid part thereof and having engagement with the walls of said shaft only at and in the vicinity of the points of maximum vibratory motion to dampen the vibration and render the shaft substantially non-resonant.

2,001,166
PROPELLER SHAFT
Benjamin A. Swennes, Rockford, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 27, 1933, Serial No. 699,855
8 Claims. (Cl. 64—29)



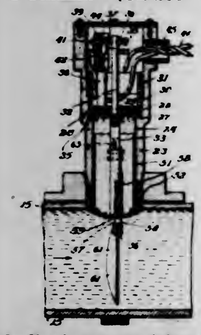
1. A hollow propeller shaft for a motor vehicle power transmission train adapted to have suitable power transmitting connections at opposite ends, and a plug of non-resonant material frictionally engaging the inside of the shaft to dampen vibration of the walls thereof.

2,001,167
PROPELLER SHAFT
Benjamin A. Swennes, Rockford, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 27, 1933, Serial No. 699,856
8 Claims. (Cl. 64—29)



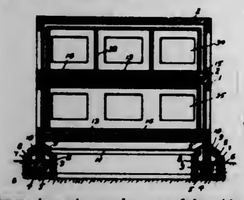
1. In a motor vehicle power transmission train, a hollow propeller shaft having suitable power transmitting connections at opposite ends, and means of tubular form, so as to fit said shaft, engaging the walls thereof and having periodical vibrations during rotation out of phase with the vibrations of said walls whereby to buck the same and render the shaft substantially non-resonant.

2,001,168
FLOW INDICATOR
Charles A. Turner, Chicago, Ill., assignor to Electric Controller Corporation, Chicago, Ill., a corporation of Illinois
Application June 29, 1934, Serial No. 733,091
4 Claims. (Cl. 200—81)



1. A flow indicator comprising a casing divided into a pressure chamber and a switch chamber by a diaphragm of thin flexible material facing the pressure chamber and a pressure plate centrally apertured and disposed back of and conforming with said diaphragm, a rod of greater diameter than the aperture in the said pressure plate extending from said diaphragm through said pressure chamber, a rod of less diameter than the aperture in said pressure plate secured through said diaphragm to said first mentioned rod, a pintle disposed diametrically of said pressure chamber, a flow indicating blade carried by said pintle, means for holding said blade in yielding co-operative relation with said rod of larger diameter, means for restoring the blade after movement to a normal position and switch opening and closing devices co-actively related with said rod of lesser diameter.

2,001,169
BUILDING STRUCTURE
Oscar R. Wallace, New York, N. Y.
Application November 1, 1934, Serial No. 750,915
9 Claims. (Cl. 72—77)



4. A building structure, in combination an outer frame formed with vertical posts and horizontal members, floors movably supported on said horizontal members, and walls mounted on said floors, each wall consisting of a plurality of thin translucent boards with air clearances therebetween.

2,001,170
LOOSE LEAF BINDER METAL
Richard M. Watson, Detroit, Mich.
Application December 15, 1933, Serial No. 702,498
10 Claims. (Cl. 129—24)

1. A loose leaf binder metal comprising a base, ring members pivoted along one edge of the base, a bead along the opposite edge of the base having apertures for receiving the free ends of the ring members, the free ends of the ring members each having a notch therein, a locking rod insertable in the bead for fitting in the notches to hold the ring members closed, said locking rod having an end portion for substantially abutting one end of the base and having a notch therein

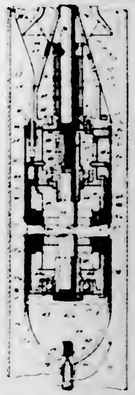


substantially at the opposite end of the base when the said end portion substantially abuts the base at which notch the rod is arranged to be bent to position one end thereof angularly as regards the bead to retain the locking rod positioned in the bead and held against any substantial lengthwise movement.

2,001,171
PROCESS OF PREPARING ACETIC ACID FROM ACETALDEHYDE
Karl Weibezahn and Felix Walter, Knapsack, near Cologne-on-the-Rhine, Germany, assignors to Aktiengesellschaft fur Stickstoffdunger, Knapsack, near Cologne-on-the-Rhine, Germany
No Drawing. Application September 30, 1933, Serial No. 691,691. In Germany October 11, 1932
7 Claims. (Cl. 260—116)

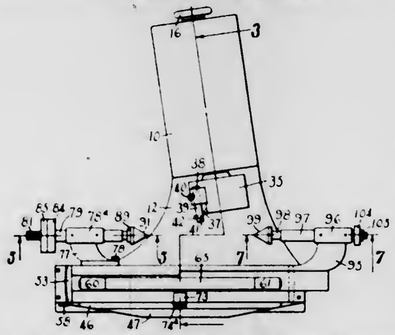
1. The process which comprises reacting with oxygen and ozone upon acetaldehyde in the presence of a solvent for acetic acid and acetaldehyde at a temperature above 0° C.

2,001,172
SUBMERSIBLE MOTOR DRIVEN PUMP
John A. Wintroath, Los Angeles, Calif., assignor to Wintroath Pumps, Ltd., Alhambra, Calif., a corporation of California
Application February 21, 1931, Serial No. 517,481
3 Claims. (Cl. 103—87)



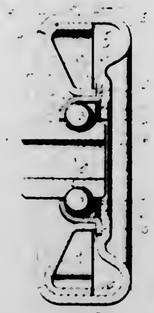
1. In a submersible well pump, a pump discharge pipe, a substantially fluid tight casing supported on said pipe, a motor in said casing, said casing containing a lubricating oil in which the motor is submerged, means providing a displacement chamber into which lubricant is adapted to be displaced from said casing, and means for introducing well liquid to said displacement chamber at a pressure in excess of the static head of liquid standing in the well above said chamber.

2,001,173
REAMER GRINDER
Edwin R. Zeits, New Haven, and Stanley W. Dennison, Branford, Conn.
Application November 3, 1931, Serial No. 572,770
7 Claims. (Cl. 51—123)



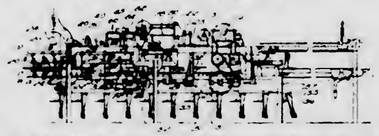
1. In a reamer grinder, a frame, a grinding wheel operatively supported by said frame, a carriage mounted to move generally transversely of the grinding wheel and to tilt about a horizontal axis, a sub-base mounted on said carriage to move relatively thereto in a horizontal plane, and work holders supported on said sub-base, and said work holders being mounted to center about a horizontal axis, and means for moving said work holders about said axis and holding them in adjusted position.

2,001,174
SKATE WHEEL
Herbert L. Zimmerman, Milwaukee, Wis., assignor to Globe-Union Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 10, 1933, Serial No. 684,491
7 Claims. (Cl. 208—181)



1. A wheel comprising a cupped member having a flange providing the tread of the wheel and a corrugated web providing the body of the wheel, said web having an annular depression on its inner surface providing a seat, a ball bearing retaining cup having an annular flange fitted in said seat, a complementary cupped member interfitted and interlocked with said first named member and having an inner flange bearing against said cup with its edge abutting the flange thereof to retain the cup in position.

2,001,175
PACKAGING MACHINE
Ross T. Adams, Richard S. Poole, and Morris Raymer, Battle Creek, Mich., assignors to Kellogg Company, Battle Creek, Mich., a corporation of Michigan
Application June 8, 1932, Serial No. 616,007
31 Claims. (Cl. 93—6)

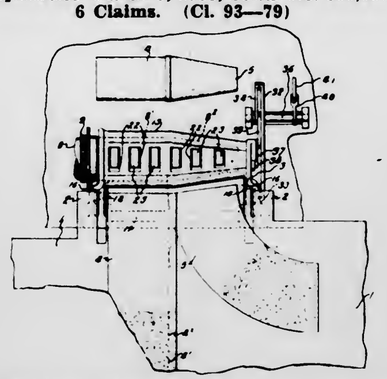


1. A bag sealing machine including in combination, means for carrying an open mouthed bag, means for applying adhesive to the inside edges of the mouth thereof at the same time, means for folding the mouth of the bag to form a pair of substantially parallel side walls, and means for pressing the said pair of side walls together, whereby to seal the mouth.

2,001,176
RUBBER COMPOSITION AND METHOD OF MAKING THE SAME
Frank H. Bergeim, Leonia, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 3, 1930, Serial No. 486,279
20 Claims. (Cl. 106—23)

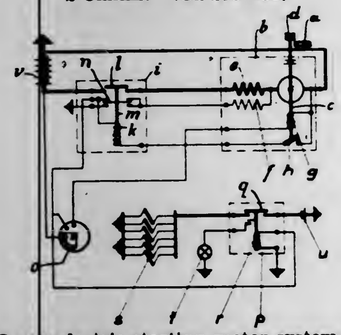
1. A composition of matter comprising rubber and a coal tar distillate derived from low temperature tar, said distillates boiling under atmospheric pressure at temperatures above about 200° C.

2,001,177
WINDING MECHANISM FOR PAPER BOTTLES
Andrew Bodor, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1933, Serial No. 660,087
6 Claims. (Cl. 93—79)



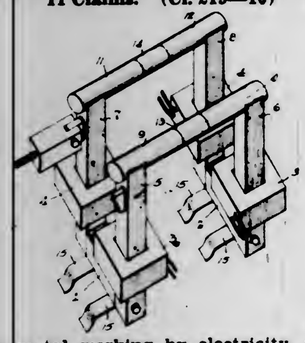
1. The combination with a mandrel comprising a cylindrical straight portion and a frusto-conical portion, of a shell having its interior walls spaced from the mandrel a distance equal to the thickness of the blank and corresponding in shape to the shape of the straight and tapered portion of the mandrel and means for simultaneously winding a blank portion around each straight and tapered portion of the mandrel with their adjacent edges in lapped position to form a bottle body.

2,001,178
ELECTRIC STARTING MOTOR
Jakob Bohli, Solothurn, Switzerland
Application July 7, 1933, Serial No. 679,386
In Germany July 14, 1932
2 Claims. (Cl. 290—38)



1. In an electric starting motor system for internal combustion engines, in combination a rotor, a field coil, a special field coil, a pinion, a pinion shaft, an overrunning clutch, said pinion coupled to the pinion shaft by means of said overrunning clutch, an engine flywheel, a ring of teeth mounted on the latter, an electro magnet for operating said pinion shaft, a switch operated by said pinion shaft in such a way that after full engagement of the pinion in the ring of teeth on the flywheel said switch is closed, a main current switch, a switch for the special field coil fixed to the latter, an electro magnet for operating the two latter switches, a battery for the starter, a three-position blade-type switch adapted to switch out all circuits in the nought position and to switch in the first switching position the special field coil into the circuit so that the rotor rotates opposite to the working direction of rotation and adapted to operate in the second switching position said first mentioned electro magnet which displaces the pinion into engagement and closes said first mentioned switch which renders operative the main and the special field coil switches in such a way that the main circuit is closed and the current in the special field coil is changed so that the effect of the latter field is added to the one of the main field coil.

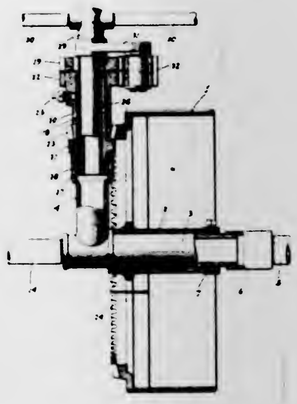
2,001,179
ELECTRIC ARC WELDING
Bernard J. Brugge, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1933, Serial No. 654,834
11 Claims. (Cl. 219—10)



5. In metal working by electricity, the steps which consist in establishing an arc between the work and a suitable electrode, and at the same time directing the arc by means of magnetic fields, the lines of force in which are concentrated in areas respectively extending across and along the line being welded on different sides of the arc.

8. Apparatus for use in stabilizing an electric welding arc comprising a plurality of electro-magnets, all of the poles of said electro-magnets being arranged to extend toward the work and so positioned relatively to each other that a line drawn through successively arranged poles encompasses the area in which the arc is to be maintained, directed and stabilized.

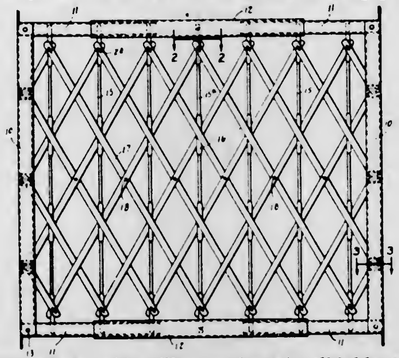
2,001,180
TRAVELING SPRINKLER
William A. Buckner, Fresno, Calif.
Application December 26, 1933, Serial No. 703,874
4 Claims. (Cl. 299—50)



1. In a traveling sprinkler having a horizontal passage member, a turnable coupling connection for one end of said member and means to turn the member about said connection as an axis; a nozzle on the outer end of the member set to discharge water away from the same in a longitudinal direction and at an upward angle, and another nozzle mounted on said member for adjustment about a vertical axis disposed adjacent said first nozzle to discharge a stream in a substantially horizontal direction but inwardly of the area covered by the discharge from the first named nozzle.

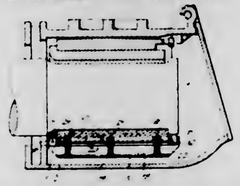
2,001,181
ADJUSTABLE GRILLE
James P. Burcham, Indianapolis, Ind.
Application April 13, 1934, Serial No. 720,396
3 Claims. (Cl. 20—71)

1. A grille comprising a rectangular frame having a plurality of frame sections telescoping one within the other, a plurality of rigid bars mounted in spaced parallel relation to each other with their free ends slidably mounted with respect to said frame sections, a plurality of interwoven grille members angularly disposed in relation to each other and said bars, each of said bars being slidably embraced between said grille members at their points of intersection, and a locking plate



mounted on said grille members to slidably embrace and retain said bars in relation thereto.

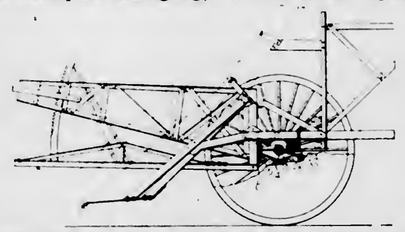
2,001,182
JOURNAL BOX LUBRICATOR
Thomas Cardwell, St. Louis, Mo.
Application September 11, 1933, Serial No. 688,881
5 Claims. (Cl. 308—88)



1. A journal box lubricator comprising a support, a cross member pivoted near one end of said support, a pair of spaced brackets attached to the opposite end of said support, two spaced parallel bars having their inner ends attached to said cross member and having their outer ends detachably engaging the inner ends of said brackets and supported thereby, a wick device mounted between said bars, an actuator for pressing said wick device upwardly, and a latch member pivoted to one of said brackets and engageable with and disengageable from the other for holding said wick device from outward longitudinal movement from between said bars.

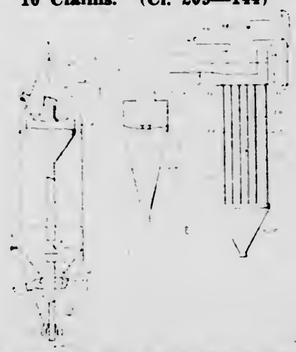
2,001,183
RESILIENT WHEEL SUPPORT FOR HARVESTERS
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 29, 1932, Serial No. 630,832
3 Claims. (Cl. 280—124)

1. In a wheeled vehicle having a frame comprising a longitudinally extending member and a transversely extending member, the combination therewith of a casting comprising a transversely disposed elongated sleeve, a pair of lugs extending forwardly from opposite ends of said sleeve, means pivotally connecting the ends of said lugs to said transversely extending member whereby said casting may swing relative to said frame about a transverse horizontal axis, a wheel supported stub axle mounted in said sleeve, a lug extending rearwardly from one end of said sleeve and disposed beneath said longitudinally extending member, a coiled spring disposed between said lug and said longitudinally extending member, a pair of perforated transversely spaced ears on said rearwardly extending lug, a U-bolt embracing said



longitudinally extending member and having its ends projecting through the perforations in said ears, and means for adjustably securing the ends of said U-bolt to said ears.

2,001,184
CLASSIFIER
Hazlitt Alva Cuppy, San Francisco, Calif.
Application September 8, 1931, Serial No. 561,718
10 Claims. (Cl. 209—144)

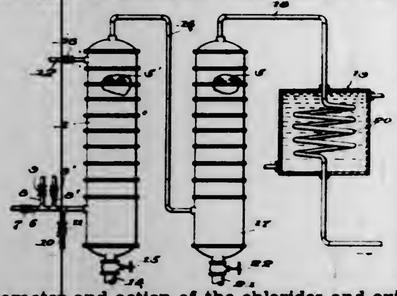


9. In a classifier of the character described, a vertical conduit, means for passing an air current and material entrained therein through the conduit from below, means connected with the conduit causing the air current to discharge the material laterally whereby the discharged material is scattered, means for directing an air blast through the discharged material from below whereby lighter particles are carried upward and heavier particles are allowed to drop, an enclosure for the said particles at and above the discharge and means within said enclosure for again classifying the lighter particles, the said means having a second conduit within the enclosure above and alined with the first conduit and means for returning the heavier ones of the lighter particles through the second conduit to the original place of discharge.

2,001,185
PROCESS OF ELIMINATING IMPURITIES FROM GASOLINE
Roland B. Day, Palos Verdes Estates, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application February 21, 1931, Serial No. 517,601
9 Claims. (Cl. 196—36)

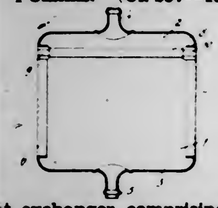
1. A process for refining hydrocarbon vapors which comprises adding hydrogen chloride and steam to the vapors, and contacting the vapors in the presence of the added hydrogen chloride and steam with an aqueous solution of a water

soluble chloride of a metal whose sulphide is substantially soluble in hydrochloric acid, said solution containing a reactive compound having the



character and action of the chlorides and oxides of the metals whose sulphides are substantially insoluble in hydrochloric acid.

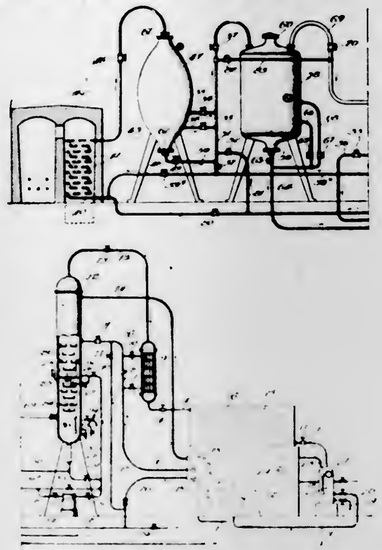
2,001,186
HEAT EXCHANGER
Claude Dornier, Friedrichshafen, Germany, assignor of one-half to Dornier-Metallbauten G. m. b. H., Friedrichshafen, Germany
Application May 31, 1933, Serial No. 673,653
In Germany July 23, 1932
4 Claims. (Cl. 257—139)



4. A heat exchanger comprising in combination, a light metal frame, water chamber and connecting pipe, a block of light metal radiator tubes, and a nickel layer arranged on the ends of said tubes exclusively, a layer of tin connecting the nickel layers on the ends of adjoining tubes.

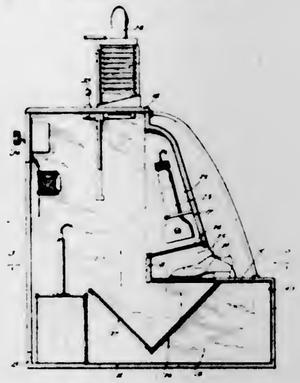
2,001,187
PROCESS FOR TREATING HYDROCARBONS
Carbon P. Dubbs, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Continuation of application Serial No. 136,426, September 20, 1926. This application January 22, 1932, Serial No. 588,107
1 Claim. (Cl. 196—58)

A cracking process which comprises passing hydrocarbon oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, discharging the heated oil into the upper portion of a vertically elongated reaction zone maintained under cracking conditions of temperature and pressure, passing both vapors and liquid oil downwardly through the reaction zone and removing the same as a mixture from the lower portion of the reaction zone, simultaneously advancing a continuous stream of charging oil toward the process under a mechanically applied pressure, dividing the stream of charging oil into separate portions and commingling one of these portions with the mixture of vapors and liquid oil withdrawn from the lower portion of the reaction zone, separating the thus commingled hydrocarbons into vapors and residue in a separating zone maintained under lower pressure than the reaction zone, fractionating the separated vapors in contact with another of said portions



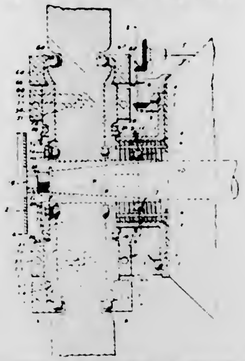
of the charging oil stream, supplying the resultant mixture of reflux condensate and charging oil to the heating zone, and finally condensing the fractionated vapors.

2,001,188
FOOT X-RAY MACHINE
Herman G. Fischer, Chicago, and Howard H. Osborn, Elmwood Park, Ill., assignors, by mesne assignments, to X-Ray Shoe Fitter, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application September 23, 1932, Serial No. 634,550
5 Claims. (Cl. 250—34)



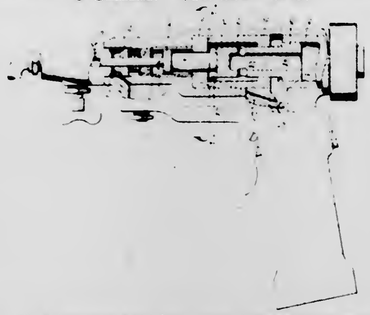
1. An X-ray apparatus for use in fitting shoes, which comprises a casing having a platform on which the individual may stand, an X-ray tube in said casing mounted above said platform, and a fluorescent screen mounted in said platform, and means for reflecting an image on said screen for observation.

2,001,189
CONTROLLABLE PITCH PROPELLER
Harold A. Fletcher, Chicago, Ill.
Application June 19, 1931, Serial No. 545,470
Renewed June 16, 1933
20 Claims. (Cl. 170—163)



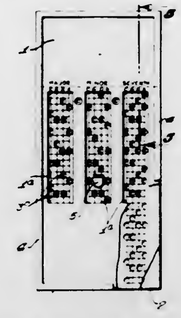
1. A propeller comprising a drive shaft and a hub, said hub having radially extending portions; blades journalled therein; means surrounding said extended portion to prevent axial movement of said blade; collars adapted to move on said extending portions, and operating connections between said collars and said blades adapted to rotate said blades about an axis transverse to the axis of said shaft, said operating connections comprising pin cams carried by said blades cooperating with cam slots in said collars and in said extending portions.

2,001,190
NONSTICKING PNEUMATIC HAMMER GREASE GUN
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application December 5, 1932, Serial No. 645,737
6 Claims. (Cl. 221—47.3)



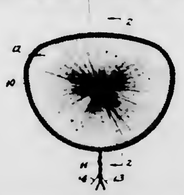
1. In a pneumatic hammer grease gun, a grease cylinder, a grease plunger reciprocable therein, a grease intake port in said cylinder, impact-receiving means connected with said grease plunger, a reciprocable pneumatic hammer element independently movable with respect to and engageable with said impact-receiving means to operate said grease plunger from position with said intake port open to discharge position with said intake port closed, said pneumatic hammer element having integral compressed air control valve ports arranged in position to cause reciprocation of said hammer element.

2,001,191
CHORD FINDER FOR TENOR BANJOS
Roy Lee Golden, Tucson, Ariz.
Application July 26, 1932, Serial No. 624,705
3 Claims. (Cl. 84—485)



1. In a chord finder for stringed musical instruments, a bottom member having a plurality of rows of note indicating indicia on its upper surface, a top member having a plurality of elongated openings therein and also having apertures interposed between said openings and a middle slide member interposed between said top and bottom members and having a plurality of rows of chord representing apertures therein, the rows in said bottom member middle member and the elongated openings in said top member being in alinement with each other and said middle member being slidable longitudinally relative to said top and bottom members.

2,001,192
PROCESS OF MAKING ORNAMENTAL THREAD OBJECTS
Henry González, New York, N. Y.
Application April 3, 1934, Serial No. 718,755
5 Claims. (Cl. 41—10)

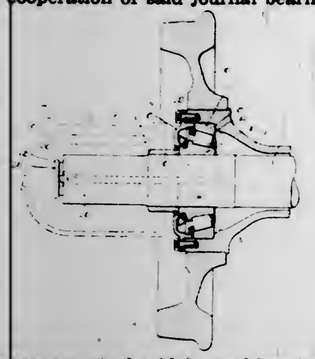


1. In an ornamental thread object, a frame of helical wire having twisted ends, and a thread having one end twisted around said twisted ends, and looped through the turns of said helical wire and having its other end twisted around said twisted ends.

2,001,193
WHEEL AND AXLE ASSEMBLY
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 27, 1931, Serial No. 553,336
23 Claims. (Cl. 308—180)

1. In a bearing assembly, the combination of an axle having a journal portion, a roller bearing assembly adjacent said portion, and a journal bearing disposed on said journal portion, said axle and journal bearing having limited relative movement in opposite directions, the movement thereof

being limited in one of said directions only through cooperation of said journal bearing and

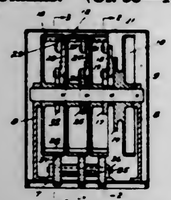


axle by engagement of said journal bearing with said roller bearing assembly.

2,001,194
PROCESS OF TREATING BRAKELINING AND IMPREGNATING COMPOUND FOR SAME
Otho T. Hedneficld, Glendale, Calif.
No Drawing. Application October 29, 1930, Serial No. 492,698. Renewed September 19, 1934
6 Claims. (Cl. 134—11)

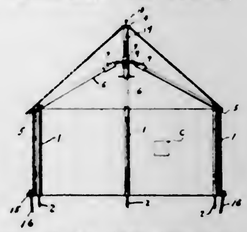
1. A composition for fireproofing brake lining formed by mixing the following ingredients in the following proportions: 10 to 20 grams of aniline dye, 60 pounds ammonium sulphate, 10 pounds ammonium phosphate, 12 pounds boric acid crystals, 4 pounds gum acacia, 2 pounds cresley ore, 4 pounds barium hydroxide, 1 quart aqua ammonia, 2 pounds ammonium aluminum sulphate, 1½ pounds copper sodium alginate, 1 ounce benzaldehyde, 2 pounds bicarbonate of soda and 100 gallons distilled water as to produce a non-flammable and on the whole non-combustible compound and capable of use when melted for impregnating brake lining to make it fireproof.

2,001,195
CLOCK
Nathan George Herwitt and Morris Katcher, New York, N. Y., assignors to Design Engineers, Incorporated, New York, N. Y.
Application February 17, 1933, Serial No. 657,220
15 Claims. (Cl. 58—125)



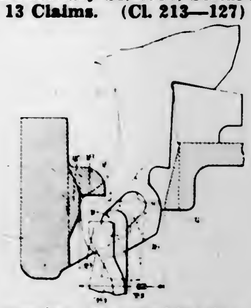
15. A clock comprising a casing, a row or drums rotatably mounted in the casing, said drums presenting time indicating numerals, a motor for driving a drum at one end of the row, means between adjacent drums operatively connecting each drum with its neighboring drum in the row, said means effecting a partial rotation of each succeeding drum to a predetermined amount of rotation of its predecessor in the row, beginning with the motor driven drum, a wheel, rotatably set against each drum except the motor driven one, the setting of each wheel providing substantial frictional resistance against its rotation to prevent overrun of a drum when given a partial rotation by its preceding drum, each wheel having rolling engagement with its corresponding drum and projecting through the casing, the projecting portions of said wheels serving as means for setting their corresponding drums by hand.

2,001,196
TENT
Samuel E Jost, Ogden, Utah
Application June 6, 1933, Serial No 674,511
2 Claims. (Cl. 135—4)



1. In a tent of the class described, the combination of a walled tent, poles carried in each corner thereof, having the top end carrying a loop and with a peg on the bottom; a ring carried in the apex of the roof; a central threaded rod having the top end extended through said ring; a threaded body to be raised or lowered by rotation of said rod; sockets pivotally secured to the outside of said body; removable struts severally carried in said sockets, each strut having a bar in the end thereof to extend out through an associated corner of the tent and through the loop in the top of a corner pole; and corner rings severally secured in the bottom corners of the sides of the tent through which pegs may be driven to secure the corners of the tent.

2,001,197
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 24, 1931, Serial No. 517,676
13 Claims. (Cl. 213—127)



7. In a coupler, the combination of a head having an opening for passage of the leg of a lock, a lock having a leg movable in said opening, a bottom lift member for lifting said lock from a locking position, said member having a shoulder extending in the direction of the length of said coupler, and an anti-creep lug extending into said opening and cooperating with said shoulder

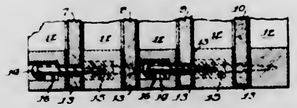
to prevent said lock from creeping into a non-locking position, the front and rear walls of said opening cooperating with forward and rear surfaces on said lock leg to provide limited forward or rearward movement of said lock leg about a pivot above the engagement of the lock leg surfaces therewith and to permit substantially vertical movement of the lock in service, said lift member being movable relative to said leg whereby said shoulder clears said lug during locking and unlocking movements thereof, said front and rear walls being constructed and arranged to maintain said lock leg in a locking position whereby the greater portion of said anti-creep lug extending beyond the lock cooperating portion of one of said walls overhangs said shoulder to cooperate therewith for effecting a positive anti-creep and whereby a positive unlocking is effected by the positive disengagement of the anti-creep lug and shoulder at all times as the lock leg is raised.

2,001,198
SAFETY RAZOR
Charles S. Klegman, Detroit, Mich.
Application January 15, 1934, Serial No. 706,608
6 Claims. (Cl. 30—12)



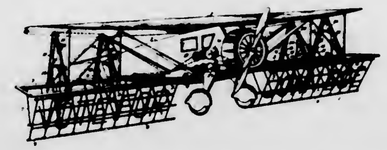
1. In a razor, a handle, a blade supporting head, a blade retainer plate, a universal connection between said handle and said head, and resilient manually releasable means in said handle and operative through said universal connection and engaging said plate to normally maintain the latter in a blade clamping position.

2,001,199
REFRIGERATOR
Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Machine Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1931, Serial No. 568,221
4 Claims. (Cl. 20—56.5)



1. A refrigerator comprising an insulated casing, an observation section associated therewith comprising a plurality of glasses arranged side by side and separated from each other, supporting members for said glasses, means for compressing the edges of the glasses between said supporting members to form air tight joints, and means associated with said supporting members but separate therefrom for automatically adjusting them to compensate for expansion and contraction of the glasses due to variations in temperature.

2,001,200
AEROPLANE SIGN
Bernard Knapp, Kansas City, Mo.
Application November 25, 1933, Serial No. 699,736
6 Claims. (Cl. 40—127)

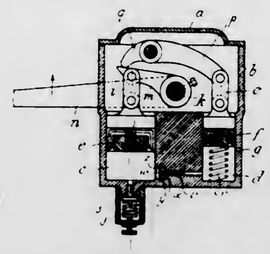


1. A sign in combination with an aeroplane wing supported spaced beneath the wing a distance of at least half the length of the chord of said wing.

2,001,201
PYRIDINO COMPOUNDS AND THEIR PRODUCTION
Max Albert Kunz, Mannheim, and Gerd Kochendoerfer and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 24, 1931, Serial No. 583,144. In Germany December 27, 1930
2 Claims. (Cl. 260—40)

1. The improvement in the manufacture of pyridino compounds, which comprises acting on an amine of a from one to three-ringed aromatic compound which in the case of a three-ringed isocyclic compound should not contain keto groups in para-position to each other, with glycerine in the presence of vanadium pentoxide and an aromatic nitro compound selected from the group consisting of nitrobenzene and nitrobenzene sulphonic acids, in a sulphuric acid of from 40 to 75 per cent strength at a temperature between about 110° and 160° C.

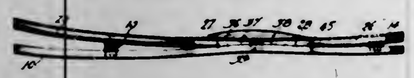
2,001,202
SHOCK ABSORBER
Ernst Ludwig Kunze, Chemnitz, Germany
Application March 1, 1933, Serial No. 659,033
In Germany March 4, 1932
3 Claims. (Cl. 188—88)



1. A pneumatic shock absorber with preliminary compression, especially for motor vehicles, comprising in combination a casing having two cylindrical chambers, a main piston in one of said chambers, an auxiliary piston in the other of said chambers, a two-armed rocker lever with one arm acting upon said auxiliary piston, an operating shaft between said chambers, and a one-armed lever keyed on said shaft and extend-

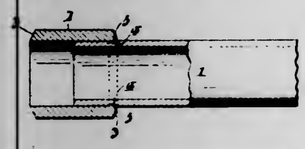
ing between said main piston and the other arm of said two-armed lever, said one-armed lever adapted to rock said two-armed lever to actuate said auxiliary piston.

2,001,203
ARCH SUPPORT
Albert Kushinsky, Perth Amboy, N. J.
Application July 19, 1933, Serial No. 681,089
11 Claims. (Cl. 36—71)



7. In apparatus of the class described, the combination with a substantially rigid base member having a contour approximating the sole of the human foot, of a pair of lever elements approximating the form of the base member and disposed thereupon; said pair of lever elements arranged in adjoining end to end relation, a fulcrum for each element connecting with said base and adapted to cause an elevation of the inner adjoining portions of said elements when the outer extremities thereof are depressed, adjusting means for said fulcrums, and an arch supporting element pivoted upon both of said lever elements directly over the adjoining portions in a manner as to be actuated thereby.

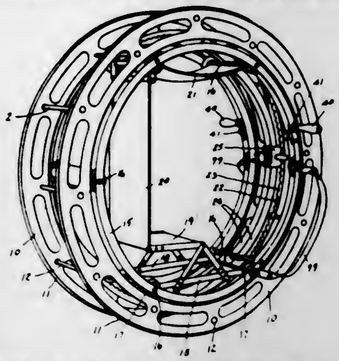
2,001,204
PIPE JOINT AND METHOD OF MAKING THE SAME
James A. Long and Howard E. Fiant, Reading, Pa.
Application March 3, 1934, Serial No. 713,793
6 Claims. (Cl. 29—148.2)



1. A method of joining overlapping tubular metal members which consists in forming the outer member with a beveled edge at the end thereof inclined downwardly and outwardly, forming the inner member with an annular groove in its outer surface, assembling said members together in overlapping pressure-fitting engagement with the beveled edge of the outer member disposed opposite said annular groove in the inner member, and swaging the outer member at said beveled edge to produce an inwardly extending boss interlocking with said groove and forming a fluid-tight seal therewith.

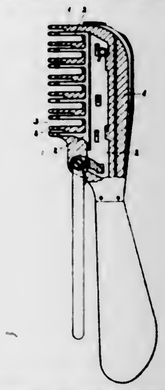
2,001,205
TOY LOOPING WHEEL
Otto Marten, Louisville, Ky., assignor of one-third to Emanuel Levi, and one-third to Howard W. Stodghill, both of Louisville, Ky.
Application August 30, 1933, Serial No. 687,405
13 Claims. (Cl. 208—1)

1. A device of the class described including a ground wheel structure, an inner wheel structure rotatably mounted on said ground wheel structure, an operator's seat carried by said inner wheel structure, a toothed ring carried by said ground wheel structure, and a ratchet device carried by said inner wheel structure, engaging said



ring and operable to cause relative movement of the two structures for propulsion of the device.

2,001,206
HAIR THINNING DEVICE
Ernst Clemens Matthes, Leipzig, Germany
Application June 14, 1932, Serial No. 617,183
In Germany June 18, 1931
4 Claims. (Cl. 30—1)

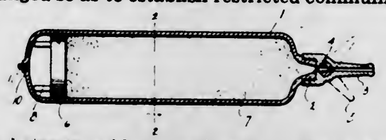


1. A hair thinning device consisting of a clipper and comprising a toothed stationary cutting plate, a toothed cutting plate adapted to move over said first plate and cooperate with the teeth on said stationary plate thru a limited movement, said teeth having recesses extending transversely of the contacting faces of the cutter teeth to produce longitudinally spaced cutting edges and clearance spaces along the teeth.

2,001,207
GAS GUN
Gerald P. McManamna and Kurt F. J. Kirsten, Seattle, Wash.
Application November 25, 1933, Serial No. 699,688
2 Claims. (Cl. 169—31)

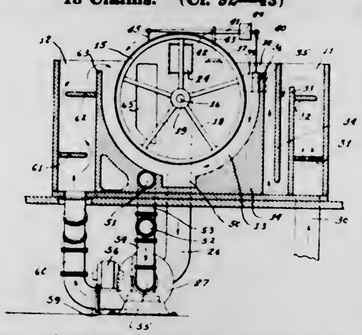
1. A device of the character described comprising a closed container having an outlet and a closure means therefor, a floating partition dividing the container into two separate compartments, respectively, for containing a concentrated supply of expandable pressure medium and a divided material and movable under pressure of

the expandable medium toward the outlet to advance material in the material compartment thereto; said partition being constructed and arranged so as to establish restricted communica-



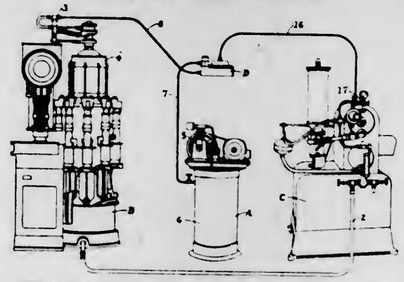
tion between said compartments so that some of said medium will enter the material compartment to aid in expelling the material from the outlet.

2,001,208
CYLINDER PAPER MACHINE
Samuel V. Minskey, Leroy T. Foley, and Henry Leopold, Knox County, Tenn.
Application December 15, 1933, Serial No. 702,502
18 Claims. (Cl. 92—43)



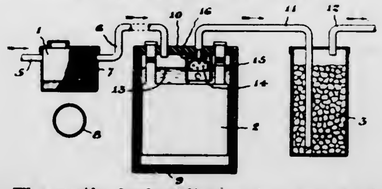
2. In a cylinder type of paper machine, in combination, a vat for a pond of fibrous stock, a foraminous cylinder rotatably mounted therein, stock feed boxes on both sides of said vat, a main stock supply connected with one of said feed boxes, a pipe communicating with the bottom of said vat, and means for flowing stock through said pipe to the other of said feed boxes.

2,001,209
METHOD AND APPARATUS FOR BOTTLING
Evan L. Moberg, Latrobe, Pa., assignor to McKenna Brass & Manufacturing Co., Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 6, 1933, Serial No. 659,867
11 Claims. (Cl. 226—115)



1. The method of bottling, which comprises supplying air under pressure to a bottling machine, supplying carbonated water under pressure from a carbonating unit to the bottling machine, and varying the air supply directly in accordance with and proportionately to the variation of the pressure of gas in the carbonating unit.

2,001,210
AUTOMATIC REGULATION OF WATER IN STORAGE BATTERIES
Sterne Morse, Richmond Heights, Ohio
Application February 11, 1931, Serial No. 515,020
4 Claims. (Cl. 136—162)



1. The method of adding water, principally in the form of its vapor, to the electrolyte in a storage battery cell comprising humidifying air outside of the cell and passing it within the cell into contact with the electrolyte therein.

2,001,211
PRODUCTION OF FATTY ACID ANHYDRIDES
Richard Müller, Heidelberg, and Erich Rabald, Mannheim, Germany, assignors to C. F. Boehringer & Saehne G. m. b. H., Mannheim-Waldhof, Germany
No Drawing. Application December 10, 1932, Serial No. 646,706. In Germany December 21, 1931
8 Claims. (Cl. 260—123)

3. The method of producing fatty acid anhydrides comprising subjecting a compound of the group formed by ethylidene diacetate and the ethylidene compounds of homologous fatty acids in the vapor phase to a thermic treatment in the presence of a silicate which has been treated with an acid to convert it into a silica skeleton.

2,001,212
PRIMING COMPOSITION
Fredrich Olsen, Frederick R. Seavey, and Edward B. W. Kerone, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Application March 12, 1932, Serial No. 598,530
5 Claims. (Cl. 52—2)

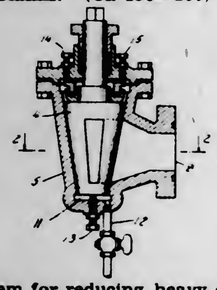
1. A priming mixture comprising, a highly sensitive ingredient of the lead azide type in finely divided form, and a binder containing a deterrent substance of the class consisting of ester gum, cellulose acetate and Canada balsam.

2,001,213
FINDING FOR A CLASP
Carl Pearson, Pawtucket, R. I., assignor to J. & L. Tool Company, Attleboro, Mass., a firm composed of Emil L. Johnson and Olof Lundsten
Application February 11, 1933, Serial No. 656,278
7 Claims. (Cl. 24—252)



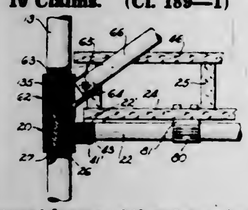
1. A device of the character described comprising a pair of members, means for pivotally securing said members together, a resilient tongue folded from one member to extend between said member and engage the other member on the opposite side of the pivot from said fold and nearer the tongue carrying member than the pivot when in working position to tend to swing said members about said pivot in one direction.

2,001,214
ART OF COKING HYDROCARBONS
Harry L. Pelser, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 1, 1931, Serial No. 534,285
3 Claims. (Cl. 196—107)



3. In a system for reducing heavy oils to coke comprising a heater in which oil is heated to a cracking temperature upwards of 950° F., a coking receptacle adapted to permit the reduction of heavy oil to coke therein by the heat of the hot oil products discharged from said heater and a connection for discharging such hot oil products from said heater into said coking receptacle, a valve positioned in said connection comprising a frustro-conical rotatable plug seated in a body provided with ports communicating with said connection, and means for introducing relatively cool oil into said connection immediately in advance of said valve.

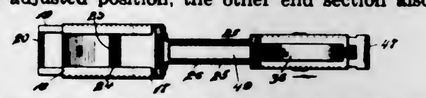
2,001,215
STRUCTURE
Frederick H. Ruppel, Pasadena, Calif.
Application December 10, 1932, Serial No. 646,579
10 Claims. (Cl. 189—1)



1. A structural frame of the character described, including: a main structural member consisting of a pipe; a secondary structural member; and a fitting for securing said secondary member to an intermediate portion of said pipe without necessity of dividing said pipe, comprising a split body having means for clamping it around said pipe, there being a plurality of substantially circumferential grooves disposed in parallel planes in the surface of said pipe engaged by complemental ribs on the inner face of said body.

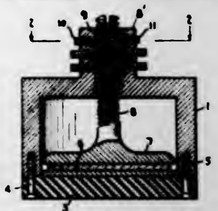
2,001,216
BRACELET BUCKLE
John Sand, Newark, N. J., assignor to Gemex Company, a corporation of New Jersey
Application August 24, 1933, Serial No. 686,558
7 Claims. (Cl. 24—71)

1. In a bracelet buckle, a plurality of sections connected together, one end section having two parts slidably related, an intermediate section, cooperating means between said intermediate section and one of said parts consisting of a pawl and ratchet respectively on said part, and said intermediate section for retaining the same in adjusted position, the other end section also



having two slidably related parts, and resilient means between said parts tending to move them into contracted position.

2,001,217
MEANS FOR COMPENSATING FOR TEMPERATURE CHANGES IN PIEZO-ELECTRIC CRYSTAL DEVICES
Theodore J. Scofield, Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 21, 1933, Serial No. 681,469
2 Claims. (Cl. 171—327)



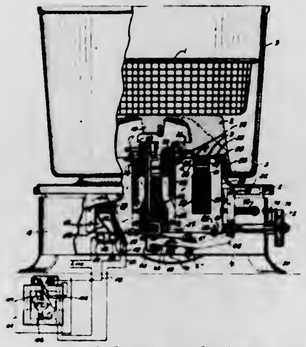
2. In crystal controls, a crystal, a plate adjacent to one side of said crystal, a second plate adjacent to the other side of the crystal, a link supporting one plate and extending past the other plate, a second link connected to the first link and extending toward the second plate, said links having different coefficients of expansion and being of such length as to maintain the frequency characteristic of the crystal constant as the temperature changes, and means to manually alter the length of said links without substantially changing the relative distance between said plates.

2,001,218
SAFETY RAZOR
Hyman R. Segal, New York, N. Y.
Application October 3, 1931, Serial No. 566,620
2 Claims. (Cl. 30—12)



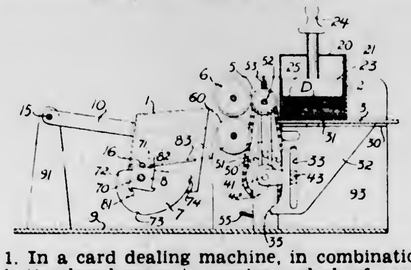
1. In a safety razor, the combination of a holder including a guard and a clamping plate, a blade comprising a substantially oblong rectangular body of thin flexible steel having cutting edges along the opposite longitudinal margins thereof, said body having a central opening therein and similar hook-shaped slots intersecting opposite sides of the opening and disposed between the same and the opposite end edges of the blade, said slots being arranged in reverse order with respect to the cutting edges so that each extends sinuously to like degrees on opposite sides of the longitudinal center line of the blade with the convex side of one slot facing one of the cutting edges of the blade and the concaved side of the same slot facing the opposite cutting edge of the blade and the corresponding sides of the other slot facing the said respective cutting edges in reverse order with respect to the sides of the first-named slot, one slot having its inner and outer ends generally inclined obliquely of the blade toward the corners at one end of the blade and the other slot having its inner and outer ends similarly inclined toward the corners at the opposite end of the blade, the guard being provided with a central opening and hook-shaped projections conforming in contour to and adapted to respectively aline with and engage the said opening and slots in the blade and the clamping plate being provided with complementary recesses to receive said projections, an attaching stem on the clamping plate to project through the openings in the guard and blade, and means carried by the holder to engage said stem to hold the clamping plate and guard in clamping relation to the blade.

2,001,219
HEATING DEVICE
Harold N. Shaw, Erie, Pa.
Application July 1, 1933, Serial No. 678,581
26 Claims. (Cl. 219—47)



1. An electrical heating device comprising a primary coil connectable with a source of electrical supply, a secondary circuit forming a heating element, and an inductor ring including laminated members arranged in circular formation, each laminated member being radially disposed to present continuous circular inner and outer concentric air gap faces.

2,001,220
CARD DEALING DEVICE
Richard C. Smith, Seattle, Wash.
Application January 6, 1932, Serial No. 585,042
13 Claims. (Cl. 273—149)

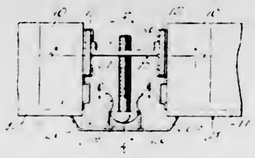


1. In a card dealing machine, in combination, a bottomless hopper to receive a deck of cards, a reciprocatory platform supporting cards in the hopper and spaced from the lower edge of the hopper at one side to leave a discharge slot therebetween, said platform being movable past said edge of the hopper to engage and project through the slot the lowermost card from the deck, means disposed above a card or cards thus projected to hold back all except the lowermost card, means to engage such projected lowermost card and to advance it, a plurality of receiving compartments, and means timed with the card projecting and advancing means to move the compartments in turn into position to receive successively advanced cards.

2,001,221
PRODUCTION OF 1,4-DIAMINO-2-ARYLOXY-ANTHRAQUINONE-3-SULPHONIC ACID
Berthold Stein, Mannheim, and Fritz Baumann, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 30, 1933, Serial No. 663,654. In Germany April 5, 1932
4 Claims. (Cl. 260—59)

1. The process of producing 1,4-diamino-2-aryloxyanthraquinone-3-sulphonic acids which comprises heating an 1,4-diamino-2,3-dihalogenanthraquinone with a phenol and a salt of sulphurous acid in the presence of water and pyrolusite.

2,001,222
SUPPORTING APPARATUS
William L. Stensgaard, Chicago, Ill.
Application May 17, 1933, Serial No. 671,561
5 Claims. (Cl. 189—34)



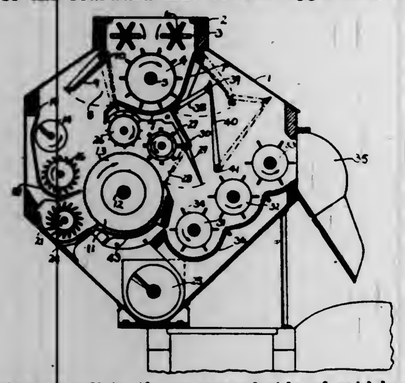
5. In combination with two panels lying substantially in the same plane with their edges substantially facing each other and spaced apart; a pair of socket members each having a transversely arranged flat tapered socket; and a connecting unit including a vertical web-member and transversely arranged tapered tongues rigidly mounted on said web, said tongues adapted to be seated in said sockets.

2,001,223
COTTON MACHINE
John Arnold Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation
Application August 15, 1930, Serial No. 475,575
4 Claims. (Cl. 19—37)

1. A cotton machine including a housing, a rotatable saw cylinder therein, means to feed the cotton to said cylinder, an agitator roll adjacent said cylinder, a conveyor roll above said agitator roll, arranged to move cotton along said cylinder from the middle toward the ends a toothed conveyor roll below said agitator roll to move the cotton longitudinally of said cylinder from the ends toward the middle, a knocker roll, a brush roll, and cleaning rolls to move the cotton away from said cylinder.

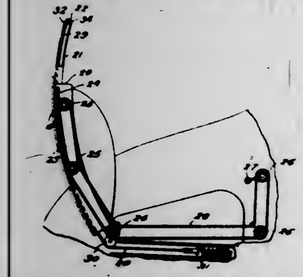
3. In a cotton machine, a housing, a feeder at the upper end thereof, a concave wall enclosing the lower side of said feeder, valve members in opposite sides of said wall, one of said valves being adapted to open and discharge the cotton forwardly, and the other to discharge it rear-

wardly of the machine, a hulling apparatus in the forward side of said housing, a valve adapted to close the rearward side of said apparatus, and



a cleaner roll in the rearward side of said housing adapted to receive the cotton passing either of said valves to move the cotton from the said housing.

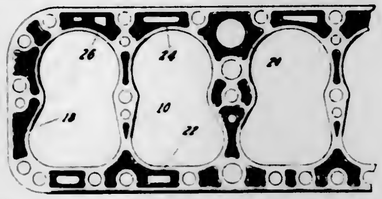
2,001,224
AUTOMOBILE TOP
Joseph E. Tamés, Mixcoac, D. F., Mexico
Application May 25, 1934, Serial No. 727,553
In Mexico June 20, 1933
4 Claims. (Cl. 296—99)



1. In a rumble seat having a folding back serving when closed to cover the rumble seat, a seat protective covering including guide rails fixed in the folding back of the rumble seat, guide bars movable in said rails, and endless chain to which the guide bars are connected for moving said guide bars into and out of the rails, and a curtain movable in the space within the body of the automobile and over the guide bars, said curtain being removably connected with one of the guide bars to compel movement of the curtain in one direction in the movement of the guide bars, the curtain being independently movable with respect to the guide bars to permit the extension of the curtain beyond the guide bars for forming a protective top for the rumble seat.

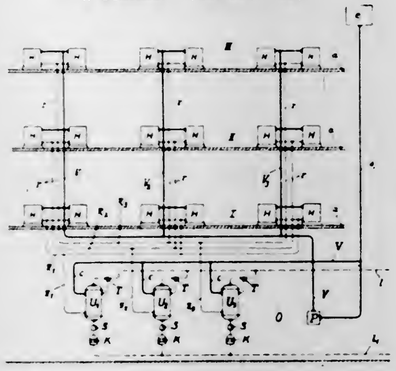
2,001,225
SKELETON METAL-BACKED GASKET
John H. Victor, Evanston, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1934, Serial No. 706,932
2 Claims. (Cl. 288—1)

1. A gasket comprising a sheet of asbestos having service openings therethrough, a metallic back secured to one side of said sheet, certain juxtaposed portions of the metal backing and asbestos



being cut away to provide openings in addition to the service openings.

2,001,226
HOT WATER CENTRAL HEATING SYSTEM FOR A PLURALITY OF CONSUMER UNITS WITH INDIRECT MEASUREMENT OF THE HEAT CONSUMED
Heinrich Viewegh, Vienna, Austria
Application February 3, 1933, Serial No. 655,088
In Austria February 10, 1932
3 Claims. (Cl. 237—13)



1. A hot water heating system for a plurality of consumer units each consisting of one or more radiators, comprising in combination a hot water supply pipe system common to all the consumer units, a heat exchanger associated with each of the said consumer units and connected to the said supply pipe system, a separate return pipe from each consumer unit to the appropriate one of the said heat exchangers carrying water to be heated exclusively in the heat exchanger appropriate thereto, a condensate discharge pipe and a steam feed pipe connected to each of the said heat exchangers, and means interposed in each of the said condensate discharge pipes for the independent measurement of the entire heat consumption of each of the said consumer units.

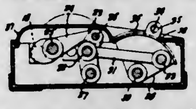
2,001,227
ROTARY KILN AND COOLER
Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application January 31, 1935, Serial No. 4,229
In Great Britain February 3, 1934
1 Claim. (Cl. 222—7)

A rotary kiln or cooler for use in the manufacture of cement and the like and containing chains suspended within the interior to move



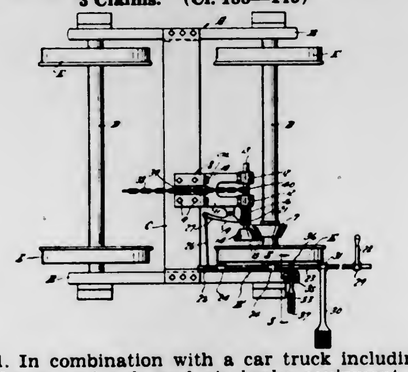
during the rotation of the kiln or cooler, which chains are composed of circular links.

2,001,228
DRIVING MECHANISM
Raymond A. Walter, New York, N. Y., Bertha Baer Walter, executrix of said Raymond A. Walter, deceased, assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1931, Serial No. 535,522
Renewed October 3, 1934
6 Claims. (Cl. 74—40)



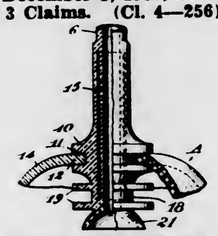
1. A driving mechanism for a reciprocating conveyor, comprising a housing, a crank arm operating therein, and a pair of interconnected levers connected to the crank arm for imparting accelerated and retarded strokes of reciprocating motion, said levers being fulcrumed adjacent the bottom of the housing.

2,001,229
CAR BRAKE
Mack Ware, Houston, Tex., assignor of one-half to Joseph E. Robinson, Sr., Houston, Tex.
Application February 17, 1934, Serial No. 711,623
3 Claims. (Cl. 188—145)



1. In combination with a car truck including a frame and axle and air brake equipment, a tapered friction wheel on the axle, a bracket mounted on the frame, a brake shaft journaled and slidably mounted in the bracket adjacent the axle, a tapered friction wheel on the brake shaft adapted to be brought into engagement with the friction wheel on the axle by slidable adjustment of the brake shaft, and a chain secured at one end to the brake shaft and connected to the air brake equipment, an operating shaft journaled alongside the car truck, a shifter fork fulcrumed on the bracket and forked at one end to embrace the brake shaft, collars secured on the brake shaft at each side of the said fork, a coil spring on the brake shaft adapted to normally urge the friction wheels out of engagement and a cable connecting the operating shaft and shifter fork whereby the friction wheels may be engaged by rotation of the operating shaft a hand lever and foot pedal on the operating shaft, a ratchet wheel on the shaft, and a latch mounted on the truck frame and adapted to engage the said ratchet wheel to lock the operating shaft in adjusted position.

2,001,230
DRAIN PIPE CLEANING DEVICE
Herbert N. Wayne, Santa Monica, Calif.
Application December 8, 1933, Serial No. 701,468
3 Claims. (Cl. 4—256)



1. In a drain pipe flushing device, a tube, means for attaching one end of said tube to a faucet, a protuberance on the other end of said tube adapted to be inserted in the intake end of a drain pipe, and a resilient cup-shaped wall on the lower end of said protuberance of a diameter less than that of the drain pipe adapted to be spread to effect a sealing of the interior of the drain pipe.

2,001,231
APPARATUS FOR AUTOMATIC ELECTRIC ARC WELDING
Otto Weigner, Vienna, and Willibald Senft, Weiz, Styria, Austria, assignors to "Elin" Aktiengesellschaft für Elektrische Industrie, Vienna, Austria
Application February 28, 1934, Serial No. 713,386
In Germany March 4, 1933
8 Claims. (Cl. 219—8)



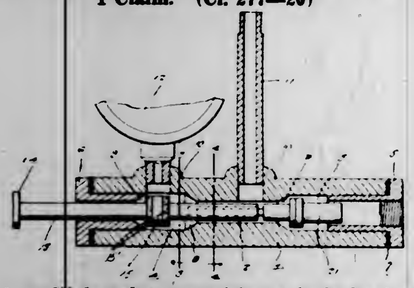
1. In electric welding apparatus using covered rod-shaped electrodes, means for the rigid and current-conducting interconnection of the said electrodes, spaced current-leading elements conductively and mechanically positively connected to the core of the said electrodes, electric conductors extending parallel to the said electrodes for a distance greater than the clearance between any consecutive two of the said elements, means for securing electrical contact between the said conductors and the said elements, and means for feeding forward the said elements.

2,001,232
KNIFE
John Allison Wilson, South Pasadena, Calif.
Application June 13, 1932, Serial No. 616,859
5 Claims. (Cl. 17—1)



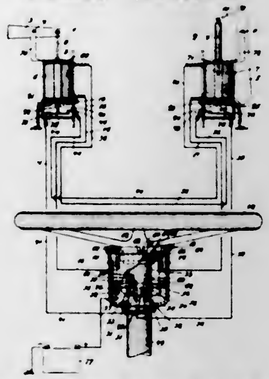
2. In a slaughtering device, the combination of a stationary casing, an annular member at the lower end thereof, a cylinder slidably mounted therein and having oppositely disposed longitudinally extending slots at the upper end thereof, links pivoted within the slots, leaves connected to the links and adapted to be positioned within the slots, a tube within the cylinder attached to the annular member, a valve arranged within the upper end of the cylinder, a valve-seat formed on the upper end of the tube, means for moving the valve out of the valve-seat, said means including a piston slidably mounted within the casing and around the tube and having rods pivotally connected to the leaves, dogs connected to the lower ends of the rods and attached to the piston, said casing having lugs and recesses near the upper ends of the walls thereof to engage the dogs, and means whereby fluid pressure may be applied to the piston to cause movement thereof relative to the casing, whereby the cylinder may be moved and maintained in an outwardly exposed or inwardly confined position relative to the casing.

2,001,233
TIRE INFLATER
Fritz H. Anderberg, Centerville, S. Dak.
Application September 6, 1934, Serial No. 743,000
1 Claim. (Cl. 277—20)



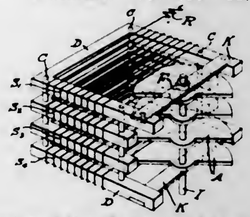
A multiple valve comprising a body having a central longitudinal bore therein and chambers in each end thereof communicating with said bore, valve seats formed in each end of said bore, a bushing extending into one of said chambers and having a valve seat formed in the inner end thereof, a rod slidable in the bushing and into the chamber and having a valve on the inner end thereof cooperable with the valve seat in the bore and the valve seat on the free end of the bushing, a tubular member secured to the inner end of said valve and extending into the longitudinal bore, a stem slidable in said tubular member and a valve on said stem cooperable with the other valve seat of the longitudinal bore.

2,001,234
SWITCH FOR DIRECTION INDICATORS
Sven Johan Eugen Asklund, Stockholm, Sweden
Application May 12, 1931, Serial No. 536,829
In Sweden May 16, 1930
5 Claims. (Cl. 200—59)



1. In a signalling system for motor vehicles having a steering column and a steering wheel rotatably mounted therein, a receptacle mounted on and surrounding the steering column adjacent to the steering wheel, a semi-annular, manually operable signalling switch member pivoted on the receptacle adjacent to the steering wheel and arranged coaxially thereof, a signal restoring device accommodated within said receptacle, an actuating member of unidirectional operation connected with said restoring device, and an abutment rigidly connected with said steering wheel and projecting inside said receptacle into the path of said actuating member.

2,001,235
DEVICE FOR UNIFYING INDUCTANCES, CAPACITIES, AND RESISTANCES
John J. Aurynger, Takoma Park, Md.
Application December 11, 1933, Serial No. 701,935
6 Claims. (Cl. 250—16)



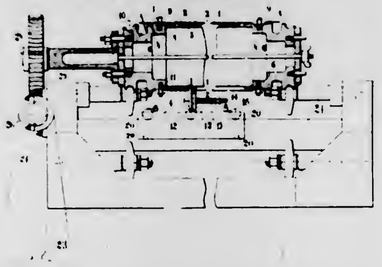
1. A device of the character described, comprising inductance, capacity and resistance, said inductance comprising coils of wire electrically connected together, having a plurality of cores situated adjacent to and in spaced parallel relation to each other; said capacity comprising metal plates forming a rotatably adjustable element, bilaterally disposed with respect to said inductance coils; said resistance being connected electrically to the said inductance and capacity, said inductance coils and said capacity metal plates being spaced apart.

2,001,236
HEDDLE BAR LOCK FOR LOOMS
George F. Bahan, Charlotte, N. C.
Application December 19, 1933, Serial No. 703,139
13 Claims. (Cl. 139—92)



1. A heddle bar lock including a screw, a housing carried by the screw and having a lip, a latch member slidable within the housing and held against upward displacement by the lip, said housing having an opening, and a spring carried in the housing and normally urging the latch member upwardly, said latch member being adapted to removably secure a heddle bar within the opening in the housing and being depressible against the tension of the spring for permitting release of the heddle bar from the opening.

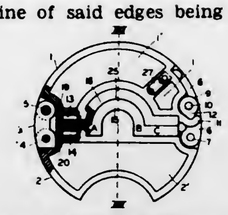
2,001,237
MACHINE FOR THE MANUFACTURE OF PIPES
Léon Billé, Nogent-sur-Marne, France
Application April 14, 1931, Serial No. 530,125
In France May 8, 1930
1 Claim. (Cl. 242—11)



An apparatus for applying wrapped wire armor on the cylindrical surface of tubes, comprising means for supporting and rotating a tube, a track parallel to the axis of the tube, a carriage movably mounted on said track, means on said carriage for guiding a wire onto the rotating tube, a distance ruler formed of spring material fulcrumed on the carriage and having one end bearing on the tube and engaging the last winding of the wrapping on the tube so that rotation of the tube, due to the pitch of the winding in engagement with the ruler, will effect a movement of the carriage axially of the tube, and means associated with the other end of the distance ruler for adjusting the pressure of the ruler on the tube.

2,001,238
HAIR WAVING APPARATUS
Eli Ray Boals, Pasadena, Calif., assignor to Harry F. Thompson, Pasadena, Calif.
Application July 31, 1933, Serial No. 682,902
4 Claims. (Cl. 132—36.1)

1. A clamp for the purpose described including hinged jaws having resilient meeting edges, the meeting line of said edges being arcuately deflected intermediate its length; and a latch adapted to compress said edges together.



2,001,239
SLACK ADJUSTER
Laurence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application August 31, 1933, Serial No. 687,687
11 Claims. (Cl. 188—196)



1. A slack take-up mechanism comprising a shaft; operating means for the shaft including a member mounted freely on said shaft, a second member positively connected to said shaft, operating means for said first member, means for adjustably intercoupling said first and said second members, said adjustable means including an element screw-threadedly associated with one of said members and spring actuated means for locking said element against relative rotation with respect to one of said members.

2,001,240
GARTER
Jeremiah C. Day, Lexington, Ky.
Application August 21, 1934, Serial No. 740,822
3 Claims. (Cl. 241—6)



1. In a garter of the character described, a pair of pads, each having contact areas with a leg of a person at portions thereof free of veins and arteries therein, a clip cooperating with the pads

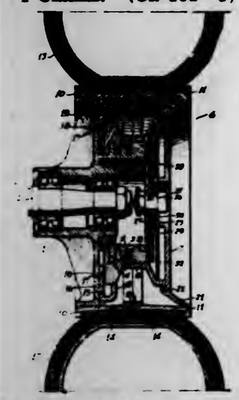
and out of contact with the leg at the rear thereof, means for adjustably connecting the pads at the fore of the leg, and means for attachment of a hose or sock with the pads.

2,001,241
FISHING FLOAT
Gerrit De Vries, Pipestone, Minn.
Application January 18, 1934, Serial No. 707,173
3 Claims. (Cl. 43—49)



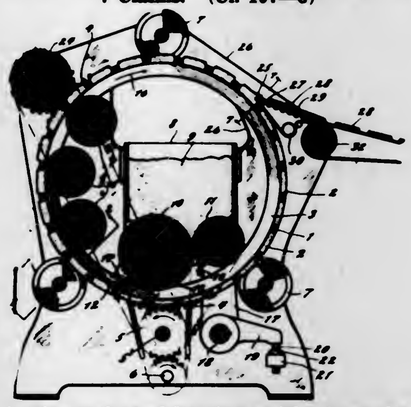
1. A fishing float comprising a compressible body having recesses in the opposite ends thereof and provided with a longitudinal slot opening through one side thereof, bearing members seated in said recesses and provided with substantially circular seats, and a single continuous tube mounted for turning movement in said body and provided with enlarged circular heads fitted in said seats and disposed substantially flush with the outer faces of the bearing members, said tube and heads being provided with a longitudinal slot adapted to register with the slot in the body to permit the insertion of a fishing line.

2,001,242
DEMOUNTABLE WHEEL
Will K. Dodge, Upper Lake, Calif.
Application June 20, 1932, Serial No. 618,394
4 Claims. (Cl. 301—9)



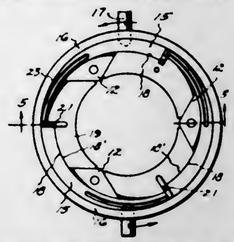
1. A demountable wheel comprising a hub having segmental threads, a demountable wheel portion having segmental threads for meshing with the first named threads when rotated with respect thereto, ratchet teeth on the hub, a pawl carried by the demountable portion and engaging with the teeth when the portion is rotated for securing the wheel from return movement, a cam rockably carried by the portion for freeing the pawl from the ratchet teeth, and means for rocking the cam and rotating the demountable wheel portion, the initial moving of the means rocking the cam and freeing the pawl, and a further movement of the means in the same direction rotating the demountable wheel portion and freeing the threads for permitting the removal of the demountable wheel portion from the hub.

2,001,243
METHOD AND MECHANISM FOR FORMING ARTICLES OF PLASTIC MATERIAL
Irwin Elliott, Harmon, N. Y., assignor to Universal Oven Company, Incorporated, New York, N. Y., a corporation of New York
Application July 6, 1933, Serial No. 679,199
7 Claims. (Cl. 107—8)



1. The method of forming articles from plastic material which comprises forming said material into a sheet, forcing said sheet in successive layers into a plurality of orifices in a mold to form masses of material therein, forcing said masses through the orifices, and slicing off the portions of the material projecting from said orifices.

2,001,244
COUPLING
Floy H. Ezell, Sanger, Tex., assignor, by direct and mesne assignments, of one-third to Benjamin F. Gentle, Dallas, Tex., and one-third to Jeff D. Cornett, Sanger, Tex.
Application September 16, 1933, Serial No. 689,696
8 Claims. (Cl. 285—150)



1. A hose coupling comprising, a member having a hose connecting element, a plurality of internally screw-threaded gripping jaws mounted on the member and arranged to form a continuous gripping surface, rotatable means having eccentrics for displacing said jaws radially to open and close the same, keepers connecting the jaws with said means, and means for actuating said rotatable means.

2,001,245
MANUFACTURE OF CALCIUM SULPHATES
Orvon P. Gephart, Miamisburg, Ohio, assignor to Howard D. Meincke
No Drawing. Application March 5, 1931, Serial No. 520,481
7 Claims. (Cl. 134—18)

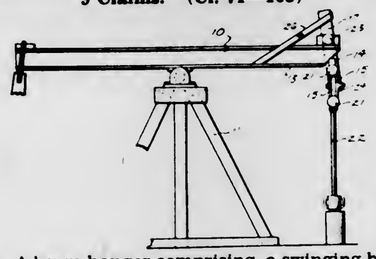
1. The method of improving the dispersibility of calcium sulphates which comprises incorporating therewith small proportions of a soluble aluminum compound and an alkaline lime compound.

6. As a coating material, a dispersion of calcium sulphate modified by the presence of small proportions of a soluble alum compound and hydrated lime and containing a sizing agent.

2,001,246
MANUFACTURE OF PAPER
Orvon P. Gephart, Miamisburg, Ohio, assignor to Howard D. Meincke
No Drawing. Original application March 5, 1931, Serial No. 520,481. Divided and this application July 13, 1932, Serial No. 622,363
5 Claims. (Cl. 92—21)

1. In the preparation of paper, the method of incorporating calcium sulfates therein, which comprises incorporating in the paper pulp a dispersion of calcium sulfate containing small proportions of a soluble aluminum compound and an alkaline lime compound.

2,001,247
BEAM HANGER
William J. Gourley and Fred H. Barney, Fort Worth, Tex.
Application November 23, 1933, Serial No. 699,420
9 Claims. (Cl. 74—103)



1. A beam hanger comprising, a swinging beam, a pair of links pivoted together, rigid stop means carried by the beam and unattached to said links for engaging one of the links, stop means carried by one of the links for engaging the other link to arrest said links, and a rod clamp carried by one of the links.

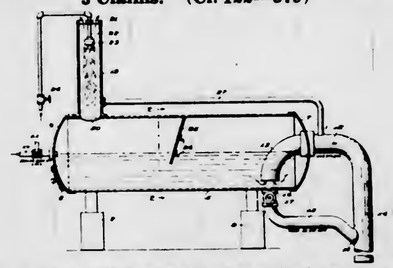
2,001,248
DOUBLE SCREW CAP AND PROCESS OF FORMING SAME
Michael A. Greene, Wheeling, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
Application July 7, 1932, Serial No. 621,263
Renewed October 8, 1934
3 Claims. (Cl. 113—121)



1. The process of forming a double screw cap which consists in forming a threaded inner shell with an outwardly flared portion terminating in a bead, forming a plain outer shell with an offset portion and a depending flange, nesting the inner and outer shells, curling the depending flange inwardly to form a bead encircling said first-mentioned bead, and collapsing said beads.

2. A screw closure for bottles and jars, including an inner shell having a top and a threaded skirt, an outwardly flared portion on the inner shell below the threads, a bead formed at the edge of the outwardly flared portion, a smooth outer shell within which the threaded shell is nested, the inner diameter of the outer shell being substantially the same as the outer diameter of the inner shell, an offset portion projecting laterally outward from the outer shell and turned inwardly and upwardly substantially completely about the bead on the inner shell, whereby the two shells are firmly united.

2,001,249
BLOW-OFF TANK FOR STEAM BOILERS
Price M. Greenlaw, Washington, D. C.
Application April 13, 1934, Serial No. 720,465
3 Claims. (Cl. 122—379)



1. A blow-off device for steam boilers comprising an elongated cylindrical casing having closed ends, a blow-off pipe from a steam boiler leading into one end, an overflow pipe leading into the casing from the opposite end and having a downturned end, a vent stack for the casing adapted to vent the steam vapors from the blow-off water discharged into the cylindrical casing, vapor condensing means arranged in said stack, vent means for the said overflow pipe exteriorly of the casing, a baffle plate in said casing arranged in the path of travel of the incoming blow-off products and drain means for the casing.

2,001,250
PROCESS OF PRODUCING CINEMATOGRAPHIC THREE- AND MULTI-COLOR PICTURES
Gerd Heymer, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application April 13, 1932, Serial No. 605,030
In Germany April 15, 1931
2 Claims. (Cl. 88—16.4)

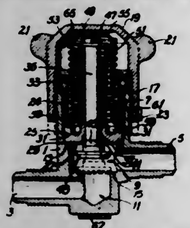


1. A process for producing three-color pictures, which comprises dividing the rays of light emanating from the object into two bundles by means of a light-dividing system, arranging in the path of one bundle a color filter permeable to one of the three component colors and in the path of the other bundle a color filter permeable to the remaining of the three component colors, causing the bundle of rays transmitted by the filters to fall on two emulsion layers of suitable color-sensitivity arranged one behind the other in the form of a bi-pack, so that the two color components are recorded side by side in one emulsion layer and a third color component is re-

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corded in the second layer in coincidence with one of the color components in the first named layer, developing the exposed emulsion layers, printing the negatives and dyeing or toning the two coincident positives each in the color complementary to the color component recorded on the corresponding negative, and projecting the film through the same optical system and filters as those used for recording the object, whereby a picture in color results.

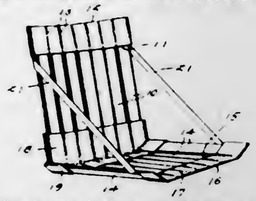
2,001,251
VALVE
Philip L. Irving, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application July 30, 1934, Serial No. 737,616
4 Claims. (Cl. 251—31)



2. A valve comprising a hollow body, a valve seat in said body, inlet and outlet means disposed on opposite sides of said valve seat, said body being open at one end, an element threaded into the open end of said body and having a bushing, a valve stem slidable in said bushing, said valve stem carrying at one end a valve closure element adapted to seat upon said valve seat, spring means tending to maintain said closure element off said valve seat, a collapsible bellows element surrounding said valve stem, spring means, and bushing, said bellows element being closed at one end and outwardly flared at the other end, a plug threaded into the open end of said body and clamping the flared end of the bellows element between itself and said first-named element, the closed end of the bellows abutting the end of the valve stem, and a cap threaded to said body, said cap being adapted interiorly to engage the closed end of said bellows, whereby threading of said cap down said body moves said valve stem against the reaction of said spring means to seat said valve closure element on said valve seat, and whereby threading of said cap up said body permits said spring means to move said valve stem to unseat said valve closure element from said valve seat, said first-named element having a counterbored portion providing a back-seating valve seat, and said valve closure element having a back-seating portion thereon adapted to cooperate with said back-seating valve seat under the influence of said spring means.

2,001,252
FOLDABLE CHAIR
Clarence Elmo Johnson, Quincy, Ill.
Refile of application Serial No. 546,863, June 25, 1931. This application January 19, 1935, Serial No. 2,615
3 Claims. (Cl. 155—133)

3. A chair of the character described having a seat and a back, each formed of a plurality of parallel slats, means flexibly connecting adjoining ends of the slats of the back to each other, and flexibly connecting adjoining ends of the slats of the seat to each other and flexibly connecting the slats of the seat to the slats of the back, straps attached to the lateral slats of the



seat and the lateral slats of the back, and members of flexible material formed with pockets receiving respectively the upper ends of the back slats and the forward ends of the seat slats.

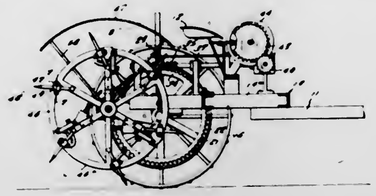
2,001,253
LOAD HANDLING APPARATUS
Henry O. Kittleson, Milan, Minn.
Application September 21, 1933, Serial No. 690,432
7 Claims. (Cl. 214—65)



1. A load handling apparatus comprising in combination, a floor having load sustaining and traction surfaces formed in a common plane and including a plurality of parallel grooves forming continuous channels extending to a depth below the plane of the load sustaining and traction surfaces, and a truck having wheels whose treads are wider than the grooves forming the channels and adapted for tractive engagement in any direction with the load sustaining and traction surfaces of the floor and having load pick-up members of a width adapted to be moved into any selected channels by tilting the truck on the axle wheels to pick up a load from any location on the load sustaining and traction surfaces.

2,001,254
HARROW
Eugene L. Lancaster, Haskell, Tex., assignor of one-fourth to R. C. Lowe, Haskell, Tex.
Application August 15, 1934, Serial No. 739,988
1 Claim. (Cl. 97—216)

A toothed cylinder for harrows comprising a shaft, spiders mounted on said shaft, a circular series of rods rotatably supported by said spiders, a series of relatively spaced harrow fingers mounted on each rod to rotate therewith, and yieldable devices connected with the rods to normally urge the rods to rotate in one direction, said rods being rotatable in a reverse direction upon impact of a harrow finger with an obstruction, each of said devices including a member secured to a rod for rotation therewith and provided with an arcuate slot, a bracket member fixed relative to the rod, a plate pivoted to the bracket member, a link pivoted to the plate, a bolt carried by said link and operating in said slot, and a



spring device engaged with the bracket and said plate yieldably retaining the plate in a predetermined position.

2,001,255
CONCENTRATION OF HORMONES IN SECRETIONS OF THE HUMAN OR ANIMAL BODY
Hedwig Langecker, Prague, Czechoslovakia, assignor to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application October 21, 1931, Serial No. 570,261. In Germany October 27, 1930
9 Claims. (Cl. 167—74)

1. The method of concentrating sexual hormones in urine containing the same which comprises substantially saturating the urine with a highly soluble sulfate capable of producing a salting out effect, allowing the mixture to stand until separated into two layers and recovering the resulting supernatant layer of restricted volume containing substantially all the hormone in concentrated form.

2,001,256
METHOD AND APPARATUS FOR OBTAINING STEREOSCOPIC EFFECTS
Emile Pierre Louis Le Barbier, Nice, France
Application May 1, 1931, Serial No. 534,179. Renewed February 26, 1935. In Belgium May 6, 1930
3 Claims. (Cl. 88—16.6)



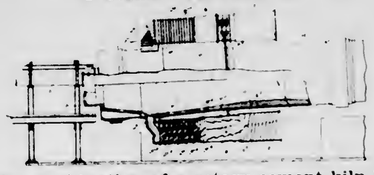
2. The method of producing monocular images in relief comprising the steps of providing an objective and a light sensitive material varying the effective aperture of said objective during the period that light is passing therethrough onto a light sensitive material, and projecting a beam of light through the image so obtained while varying the effective aperture of the projecting light beam during projection at an inverse rate to that employed during exposure of the light sensitive material.

2,001,257
RESILIENT CONNECTION
Charles Lecler, Levallois-Perret, France, assignor to Maurice Houdaille, Levallois-Perret, Seine, France
Application March 19, 1931, Serial No. 523,890
In France March 21, 1930
1 Claim. (Cl. 287—85)



In a resilient torsion joint having two cylindrical members one of which is hollow and surrounds the other, means for resiliently resisting relative rotation between the two members comprising a single rubber strip wound upon itself so that the adjacent convolutions are in intimate contact with each other, and said strip being arranged between said members in such close contact with the opposed surfaces thereof that the adherence between the rubber strip and both cylindrical members and between the convolutions of said strip increases in proportion to the increase in relative angular displacement of said cylindrical members in either direction whereby relative sliding movement between said members and said strip is prevented.

2,001,258
ROTARY KILN AND COOLER
Povl T. Lindhard, Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application December 15, 1932, Serial No. 647,340
In Great Britain September 13, 1932
1 Claim. (Cl. 222—7)

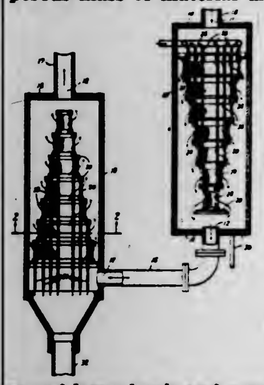


The combination of a rotary cement kiln having a downward pitch toward the discharge end and having its lower portion below the clinkering zone gradually enlarged in diameter interiorly, whereby the movement of the clinker is accelerated and the clinker is partially cooled, and provided beyond the enlarged portion with delivery chutes, and cooler tubes into which the clinker is delivered from the kiln through the delivery chutes, each cooler tube consisting of a succession of cylindrical sections of successively larger diameters stepped abruptly and open at the larger and upper end for the admission of cooling air and the discharge of the clinker and each cooler tube being axially parallel with the kiln, whereby the movement of the clinker through each cooler tube is delayed progressively and contact with the cooling air is extended.

2,001,259
METHOD OF AND APPARATUS FOR CONDITIONING GAS OR VAPOR
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application December 2, 1933, Serial No. 700,673
9 Claims. (Cl. 183—9)

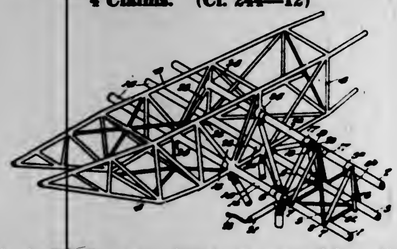
4. Gas conditioning apparatus comprising a casing having an inlet for gas to be conditioned

and an outlet for conditioned gas, ring members progressively decreasing in effective flow area towards said outlet, each of said ring members including a porous mass of material disposed be-



tween upper and lower levels and permitting the passage of gas therethrough in intimate contact with the surfaces thereof, and means for draining accretions of liquid at the lower level of each ring member.

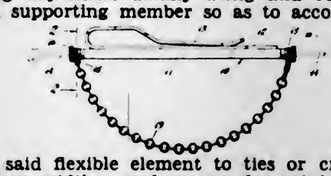
2,001,260
CONSTRUCTION AND ARRANGEMENT OF AEROPLANE WINGS
James Martin, Higher Denham, England
Application July 15, 1933, Serial No. 680,541
In Great Britain July 20, 1932
4 Claims. (Cl. 244—12)



1. A wing spar structure comprising three centre stub section tubular metal members secured across the frame of the fuselage parallel with each other, seating accommodation in the space between the said tubular members, a triangular section wing spar connected to each end of said stub section, tubular struts secured in sets of three across the said spar members, flattened ends to said struts, tubular lining members fitted at intervals inside the tubular spar members, boss like enlargements on said lining members, studs threaded into said enlargements and passing through said flattened ends of the said struts and nuts threaded on to said studs securing said struts to the tubular members.

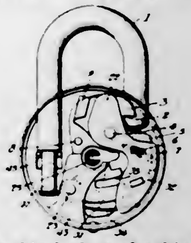
2,001,261
ADJUSTABLE CRAVAT HOLDER
Ben B. Manaster, Chicago, Ill.
Application February 4, 1935, Serial No. 4,823
11 Claims. (Cl. 24—49)

1. A cravat holder, comprising: a supporting member; a member rotatably mounted upon said supporting member at each end of the latter; a flexible element adapted to overlie a tie or cravat on the front or outer side of the same and having end portions suspended from said second-named members; said second-named members being adjustable axially along and relative to said supporting member so as to accommodate



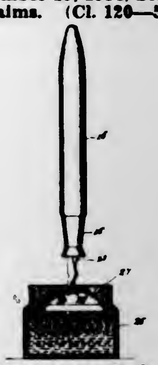
the said flexible element to ties or cravats of various widths; and means for retaining said second-named members and said flexible element in a preselected adjusted position relative to said supporting member.

2,001,262
LOCK
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application January 23, 1933, Serial No. 653,032
27 Claims. (Cl. 70—113)



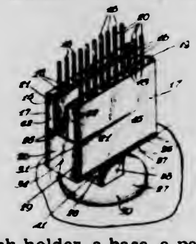
13. In a shackle lock, a shackle-locking mechanism including a pivoted locking dog engageable with the shackle, disk tumblers cooperable with said dog to lock the same in shackle-engaging position and adapted to be adjusted to release the dog for retraction, and key-operable means for shifting the pivot of the dog while in engagement with the shackle sufficiently to move the dog clear of said tumblers and thereby release it for retraction.

2,001,263
FOUNTAIN PEN AND FILLER
George Howard Osterhout, United States Marine Corps, Parris Island, S. C.
Application December 19, 1934, Serial No. 758,297
3 Claims. (Cl. 120—57)



3. In combination, a receptacle for ink having a small opening therein across which a film of ink forms when the receptacle is inverted to prevent the fluid ink body from flowing freely out of the receptacle, and a fountain pen having a barrel for containing ink, and a feed device connected with the barrel and having the usual feed groove connecting with the interior of the barrel and lying beyond the feed device, a nib covering the feed groove and having a split portion communicating with the groove, said nib adapted to be freely inserted in the small opening of the receptacle when the receptacle is inverted and the pen in a substantially upright position with the nib uppermost whereby to cause ink from the receptacle to flow down, by gravity and capillary attraction through the split portion of the nib, and the feed groove in the feed device, into the barrel, said feed device also having an air breathing passage therein separate from the feed groove, and means for opening and closing said air breathing passage.

2,001,264
MATCH HOLDER
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1933, Serial No. 680,249
11 Claims. (Cl. 206—31)



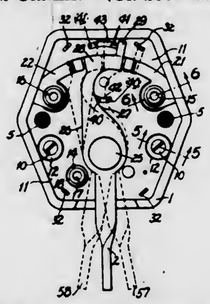
1. In a match holder, a base, a pair of laterally spaced generally parallel tongues secured to the base at opposite sides thereof and each adapted to enter between the folds of a packet of matches which light on withdrawal, a plate integral with and at substantially right angles to the base, said plate extending below the tongues, generally parallel to the lower edge of the tongues and spaced from the tongues to hold the bottoms of match packets and extensions, one from either side of the plate, parallel to the tongues and spaced from the tongues to follow the edges of the packets.

2,001,265
VEHICLE JACK
Roy H. Reed, Oklahoma City, Okla., assignor of one-half to Loyal J. Miller, Oklahoma City, Oklahoma
Application September 15, 1933, Serial No. 689,575
13 Claims. (Cl. 254—86)



1. In a vehicle including a frame, an axle, and wheels carried by the axle, a lifting jack mechanism including: a leg having one end pivotally supported by said axle at one side of the axle whereby it may be swung downwardly into contact with the ground for lifting the adjacent wheel, and whereby the axle will act as a stop for retaining the leg in its lifting position, and spring means carried by the axle for retrieving and normally holding the leg clear of the ground.

2,001,266
TIME CONTROLLED SWITCH
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Application January 26, 1933, Serial No. 653,561
2 Claims. (Cl. 200—35)



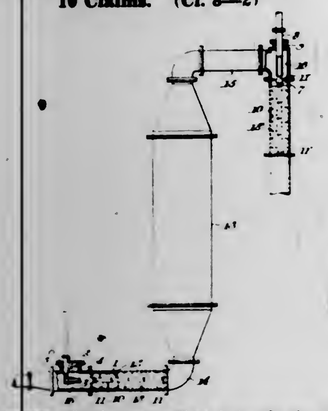
1. In a time-controlled switch, timing means, including a main shaft, adapted to be wound by rotation of said main shaft in one direction, and to unwind in a time-controlled manner rotating said main shaft in the opposite direction, manual control means having a neutral position and being rotatable on an axis parallel to that of the main shaft, in both directions from said neutral position, to establish different circuit conditions, means rotatable with said main shaft, said last-named means having two points of engagement with said control means when said control means is in neutral position, said points of engagement being spaced on opposite sides of said control means and on opposite sides of the center of rotation of said main shaft, and the center of rotation of said control means being outside the line connecting said points of engagement.

2,001,267
RUBBER BAND GUN
Albert S. Ross, Ada, Okla.
Application February 24, 1933, Serial No. 658,408
10 Claims. (Cl. 124—14)



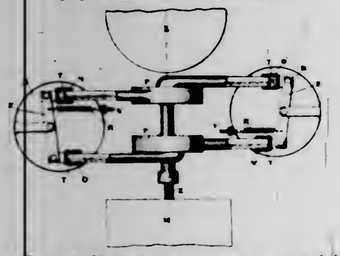
1. A rubber band gun, comprising a stock having a breech, an arm extending forwardly from said breech, an elongated member rotatably supported at its ends between the breech and the forward end of said arm, coacting elements at the ends of said elongated member for holding rubber bands in stretched condition and disposed longitudinally of the member, the elements adjacent the breech being adapted to be shifted for the release of the bands connected therewith, shiftable means normally holding said elements against movement by the tensioned bands and trigger actuated means normally restraining said means from movement by the band connected therewith, and releasing the latter when and as the elements are brought to a predetermined position by the rotation of the band carrying member.

2,001,268
PULP TREATING PROCESS
John D. Rue, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
Application October 18, 1933, Serial No. 694,171
In Canada September 21, 1932
10 Claims. (Cl. 8—2)



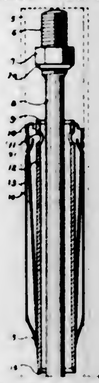
9. Process which comprises introducing into a water suspension of pulp chlorine to an amount 25 to 100 per cent in excess of that required for chlorination of the non-cellulosic constituents of said pulp, promptly and thoroughly mixing the chlorine with the pulp, reacting the chlorine with the pulp to a point substantially short of complete exhaustion of the chlorine as such and thereupon introducing an alkali into the reaction mixture in amount sufficient to neutralize the mixture and combine with the unconsumed chlorine, thoroughly mixing the alkali with the pulp, reacting the resulting hypochlorite with the pulp and washing the pulp.

2,001,269
HYDRAULIC COMPRESSOR
Serge Raymond Seillière, Paris, France
Application December 24, 1931, Serial No. 583,042. Renewed October 12, 1934. In France December 27, 1930
9 Claims. (Cl. 230—85)



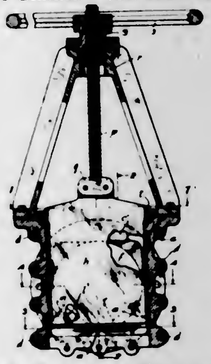
1. An hydraulic gas compressor comprising two compression chambers, liquid inlet and outlet means to each of said chambers, liquid conduits connecting the inlet of each chamber with the outlet of the other, pumping means in said liquid conduits, operating to convey liquid through said conduits back and forth between said chambers and means controlling said liquid inlet and outlet means, to reverse the direction of flow of liquid between the chambers when the pressure in the chamber undergoing compression reaches a predetermined value.

2,001,270
COMBINED ROD GUIDE, ROD CHECK, AND PARAFFIN SWAB
George E. Slaugenhop, Vernon, Tex.
Application August 27, 1934, Serial No. 741,711
7 Claims. (Cl. 166—18)



1. A pump rod, upper and lower valve stops thereon, a tubular guide mounted loosely on the rod between the stops and closable thereby, a swab on the guide, and friction holding means carried by the guide and engageable with the well tube to retain the guide and swab in desired position.

2,001,271
GATE VALVE
Walter G. E. Smith, Portland, Oreg.
Application December 3, 1930, Serial No. 499,709
6 Claims. (Cl. 251—55)

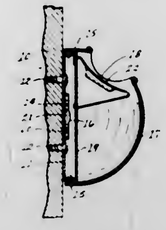


1. In a gate valve, a housing provided with inlet and outlet ports, a gate slidable between said ports in grooves formed in the side walls of said housing, the said side walls of said inlet side being provided at the bottom with cavities connecting with said grooves, in which to receive the material scraped off by the gate while being closed.

2,001,272
RECEPTACLE
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application July 13, 1934, Serial No. 734,938
2 Claims. (Cl. 206—19.5)

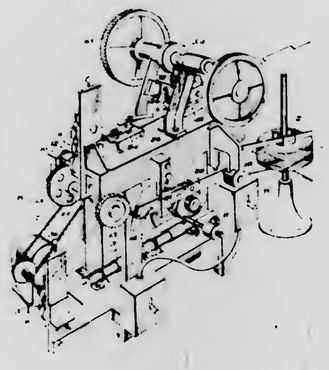
1. In a device of the class described, a wall plate adapted to be fixed to a wall surface and

having a circular marginal edge provided with a pair of oppositely disposed raised portions and with a pair of oppositely disposed forwardly flanged portions, and a container having a back plate provided with a pair of projecting oppositely disposed and inwardly flanged tongues



adapted to engage the raised portions of the wall plate during the juxtaposition rotation of the container back plate upon the wall plate, said back plate contacting the forwardly flanged portions of the wall plate for spacing it from the surface to which the wall plate may be fixed.

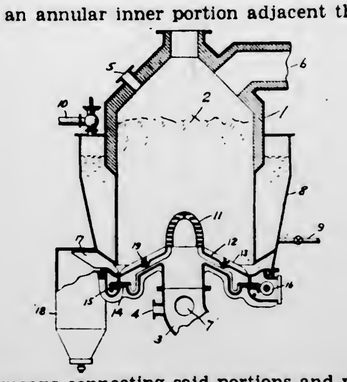
2,001,273
WIRE BENDING MACHINE
Frederick Wade Greer, Belmont, Mass., assignor to J. W. Greer Company, Cambridge, Mass., a corporation of Massachusetts
Application October 28, 1932, Serial No. 639,983
12 Claims. (Cl. 140—105)



1. In a machine for making wire belt sections, the combination of means for making, in a length of wire, oppositely disposed offset sections connected by transversely bent portions of the wire, and means for crimping said transverse portions.

2,001,274
JOINTED ASH PAN FOR COMBUSTIBLE GAS GENERATORS
John S. Haug, Philadelphia, Pa., assignor to United Engineers and Constructors, Inc., Philadelphia, Pa., a corporation of Delaware
Application June 29, 1932, Serial No. 619,833
8 Claims. (Cl. 110—165)

1. A grate for a combustible gas generator including an ash pan having an annular outer portion, an annular inner portion adjacent thereto,



and means connecting said portions and providing for relative radial movement therebetween.

2,001,275
ETHER OF HYDROABIETYL ALCOHOL
Clyde O. Henke, Wilmington, Del., and Milton A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 20, 1933, Serial No. 690,232
17 Claims. (Cl. 260—149)

1. A compound of the general formula

$$Ab—CH_2—O—R,$$

where Ab stands for the hydrocarbon nucleus of a hydroabietic acid while R stands for an alkyl, aralkyl or cycloalkyl radical.

9. The process of preparing an ether, which comprises reacting an alkali-metal hydroabietyl alcoholate with an organic halide of the alkyl, aralkyl and cycloalkyl series which may be substituted by sulfo groups.

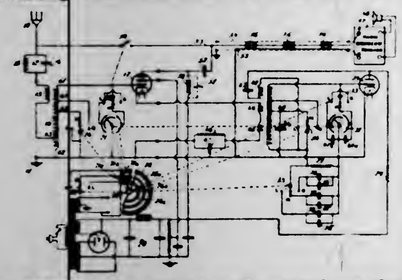
2,001,276
LAMINATED CELLULOSE UNIT AND PROCESSES OF MAKING SAME
Irving Fink Laucks, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
No Drawing. Application November 21, 1932, Serial No. 643,739
8 Claims. (Cl. 20—91)

1. A cellulose unit composed of laminations of cellulosic material bound together with a substantially uninterrupted film of an adhesive oxycellulose viscose.

2,001,277
SHORT WAVE CONVERTER
Harold Miller Lewis, Douglaston, N. Y., assignor to Hazeltine Corporation
Application September 25, 1931, Serial No. 565,024
21 Claims. (Cl. 250—36)

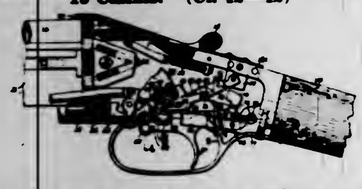
2. An oscillation generator for generating a current of any frequency in a plurality of wave bands, comprising a vacuum tube having plate, grid and cathode electrodes, a grid circuit for determining the frequency to be generated, connected between the grid and cathode, said circuit comprising an adjustable inductance in series with a capacity adjustable in steps, shunted by a continuously variable condenser, a control member for operating said variable condenser, a feed-back circuit between plate and

cathode, having an inductance magnetically coupled with said first mentioned inductance, and including said adjustable capacity, and switch-



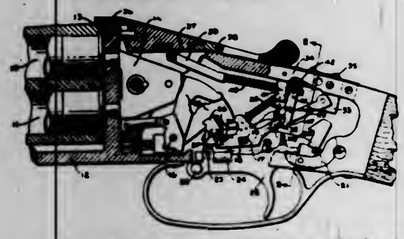
ing means, operated by said control member to simultaneously change the values of said adjustable inductance and said adjustable capacity.

2,001,278
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application June 9, 1932, Serial No. 616,234
15 Claims. (Cl. 42—42)



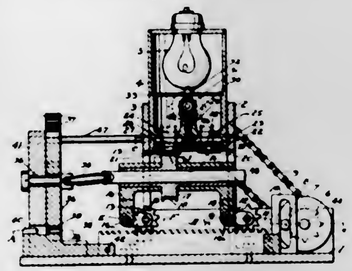
1. In a firearm comprising a plurality of firing hammers movable from cocked position to fired position and a plurality of sears associated respectively with said hammers, in combination, a single trigger, a connector between said trigger and said sears, said connector being shiftable from cooperative relation with one of said sears to cooperative relation with another of said sears, and a spring impelled connector actuator independent of said sears, controlled by one of said firing hammers and comprising a cam surface adapted to engage and shift said connector when said hammer is moved to fired position.

2,001,279
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application August 1, 1933, Serial No. 683,110
5 Claims. (Cl. 42—70)



1. In a firearm of the tilting breech type, in combination, a breech locking mechanism, a firing hammer having a cocked position and a fired position, a sear, a safety device for holding said sear in engagement with said firing hammer when in cocked position, and a supplemental safety device actuated by said breech locking mechanism and engaging said sear to hold the same against both forward and backward rotation when the breech is unlocked.

2,001,280
STEREOSCOPIC MOVING PICTURE FILM PRINTING MACHINE
Karl F. Marx, Dearborn, Mich.
Application April 10, 1933, Serial No. 665,272
5 Claims. (Cl. 95—75)



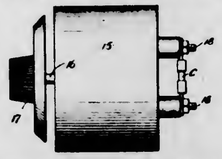
1. A printing machine for stereoscopic moving picture films comprising a light proof case, a light source therein, two openings in said case for the passage of light therethrough, a shutter operable to uncover alternately said two openings, means for intermittently moving a negative film opposite each of said openings in printing relation thereto, in synchronism with the said shutter, and means for passing a positive moving pictures film in the same direction and in printing relation with said negative films and alternately contacting with said negative films whereby to make one exposure upon the positive film through one of the negative films and then another exposure consecutively upon the same positive film through the other negative film.

2,001,281
SEMIABRASIVE FABRIC
Daniel J. Mayer, Belleville, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application April 3, 1933, Serial No. 664,073
1 Claim. (Cl. 66—202)



A semi-abrasive fabric comprising a composite body made of alternate vegetable fibre and metallic ribbon-like rows of intermeshed strands, the alternate rows of vegetable fibre strands serving to render said fabric yieldable readily absorbent and flexible while also cushioning the abrasive action of the sharp abrasive edges of said metallic ribbon-like strands, whereby the scouring action of said metallic strands is rendered mild and non-injurious.

2,001,282
ELECTRICAL DEVICE
Alexander Nyman, Dobbs Ferry, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a corporation of Delaware
Application October 1, 1925, Serial No. 59,876
Renewed April 20, 1932
9 Claims. (Cl. 175—41.5)



1. The combination of a variable condenser having a fixed member and a movable member adapted to give substantially a straight line wave length relation, and a condenser of constant and relatively small capacity bridged across the terminals of the variable condenser and cooperating therewith to change the capacity relation of said members to one more closely approximating a straight line frequency relation.

2,001,283
GARMENT
Charles D. Perillat, Worcester, Mass., assignor to Hazelton-De Bevoise Inc., Worcester, Mass., a corporation of Massachusetts
Application June 27, 1933, Serial No. 677,779
3 Claims. (Cl. 2—30)



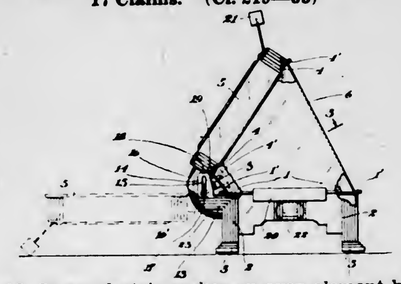
1. A foundation or form-fitting garment having an extensible panel constituting the back of the garment, a non-extensible panel constituting the front of the garment, the edges of the panels being attached to each other alongside seams throughout the extent of the panels, the upper part of the extensible panel at the waist line of the garment being wider than the lower edge of the extensible panel to enable the waist portion of the garment to be pulled up over the hips, the upper edge of the extensible panel being cut on the bias from the shoulders toward the waist line.

2,001,284
MANUFACTURE OF ANILINE FROM CHLOROBENZENE AND AMMONIA
Walter Prahl and Wilhelm Mathes, Ludwigshafen-on-the-Rhine, Germany, assignors to Dr. F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Bavaria, Germany, a firm of Germany
No Drawing. Application October 14, 1931, Serial No. 568,866. In Germany October 23, 1930
14 Claims. (Cl. 260—130.5)

3. The process of manufacturing aniline by passing a mixture of chlorobenzene vapor and ammonia at a temperature of about 250° C. to about 450° C., over a catalyst which consists mainly of at least one of the compounds phosphoric acid, vanadic acid, molybdic acid and tungstic acid and at least one of the metals copper, cobalt, nickel and iron, the catalyst being precipitated on a suitable carrier.

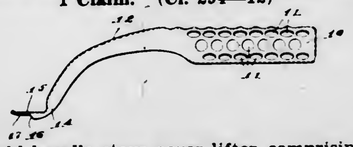
14. The process of manufacturing aniline by passing a mixture of chlorobenzene vapor and ammonia at a temperature ranging from about 250° C. upward to a temperature at which the reaction becomes unfavorable over a catalyst consisting mainly of at least one element of those found in groups 5 and 6 of the periodic system which is solid at room temperature and forms salts which are not precipitated by ammonium sulfide as hydroxides from their aqueous solutions, and at least one of the metals copper, cobalt, nickel and iron.

2,001,285
ELECTRIC COOKER
William C. Rehm, Meriden, Conn., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware
Application May 5, 1934, Serial No. 724,081
17 Claims. (Cl. 219—35)



13. In an electric cooker an oven element having two heat exposure sides whose peripheral edges define planes at an angle to each other and adapted to be housed within and inserted between two similary angularly disposed heating plates of an electric heater with the walls thereof reflecting the heat from the plates to the article being cooked.

2,001,286
COLD HANDLE STOVE COVER LIFTER
George C. Reith, Revere, Mass.
Application April 15, 1933, Serial No. 666,303
1 Claim. (Cl. 294—12)



A cold handle stove cover lifter comprising in combination a cylindrical and perforated handle portion, said handle portion being partially closed at its rear end and open at the front under side, an inverted U back portion comprising a continuation of material forming the top and side portions of said handle, an engaging end portion having a flattened top formed from the top of said U back portion, the under side of said engaging portion comprising folded under reinforcing members comprising continuations of the sides of said U back portion, reinforcing vertically disposed flanges located below and adjacent the back portion of said engaging end, said flanges

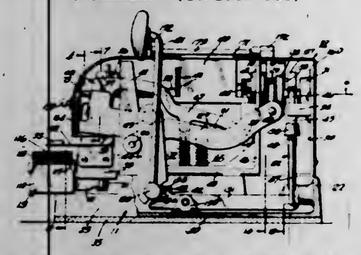
being continuations of the sides of said U back portion and connecting with said folded reinforcing portion by means of side curved brackets.

2,001,287

HAND OPERATED POSTAL MACHINE

Commodore D. Ryan, Los Angeles, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California

Application May 31, 1933, Serial No. 673,639
9 Claims. (Cl. 101—301)



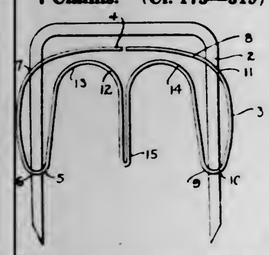
1. In a postal machine, the combination of: a platen; a printing die movable to and from said platen; a unidirectional driven shaft; means on said driven shaft for actuating said die as aforesaid; a meter adapted to register each rotation of said driven shaft and lock said shaft upon completion of a predetermined number of rotations; a pulley rotatably mounted on said driven shaft; ratchet means for transmitting rotation of said pulley to said driven shaft; and means for driving said pulley.

2,001,288

INSULATED STAPLE

Max Schorr, Houston, Tex.

Application June 4, 1934, Serial No. 728,984
7 Claims. (Cl. 173—319)



1. An insulated two prong staple including a staple member, an insulating piece bent and perforated to be received on the prongs of said staple whereby a plurality of wires may be held in fixed position by said piece and within said staple, and a downwardly extending tongue on said insulating piece positioned to project between the wires being fixed, to separate the wires and insulate them from each other.

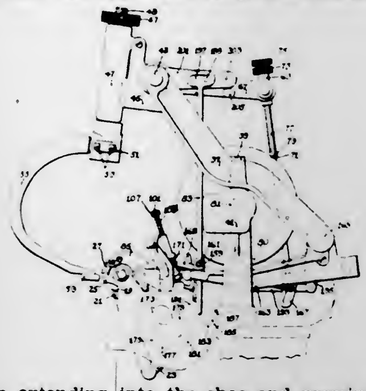
2,001,289

SHOE SEWING MACHINE

Cyril Cathy Sheffield and George Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 5, 1934, Serial No. 705,404
In Great Britain January 7, 1933
4 Claims. (Cl. 112—60)

1. A shoe sewing machine for sewing the lower edge of an upper to the out-turned flange formed on a rim upstanding from the tread portion of the sole having, in combination with the stitch forming devices, a work support shaped and arranged to support the outturned flange of the shoe sole, a presser foot cooperating with the work support to clamp the upper and flange intermittently, a



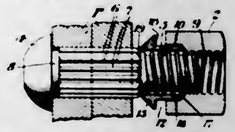
horn extending into the shoe and pressing the rim of the shoe sole against the edge of the work support, and means for moving the horn away from the work support during each stitch forming cycle to facilitate feeding of the work.

2,001,290

MEANS FOR FORMING A FLUID-TIGHT JOINT

Robert Thomson, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y., a corporation of Delaware

Application June 17, 1933, Serial No. 676,262
6 Claims. (Cl. 85—1)



1. Means to form a fluid-tight joint, comprising a bolt and nut of the type wherein the bolt has a head and a reduced screw-threaded end portion at opposite ends of a non-screw-threaded shank portion whose periphery has corrugations therealong and therearound, for the purpose set forth, and the diameter of the corrugated portion exceeds that of the threaded portion, and wherein the bore of the nut is enlarged in the base of the nut to receive one end of the corrugations, and an extrusile sealing washer of softer metal than the bolt and nut and having a head at one end of outwardly tapering wedge-like form in radial cross-section and a tubular shank of reduced external diameter fittable into the enlarged portion of the nut bore and of greater length than the enlarged portion of the bore, the bore of the washer being of sufficient size for fitting of the washer head-first over the threaded end of the bolt but smaller than the corrugated portion of the bolt, to abut the washer against the adjacent ends of the corrugations, and the abutting extremity of the headed end of the washer not exceeding the adjacent end of the corrugated portion of the bolt in external diameter, whereby when the nut is screwed against the washer the metal of the washer will be extruded by consequent heat and pressure into the nut and into the grooves between the bolt corrugations.

2,001,291

SUPPORTING DEVICE

Josef C. Tonko, Detroit, Mich.

Application November 22, 1933, Serial No. 699,184
4 Claims. (Cl. 24—3)



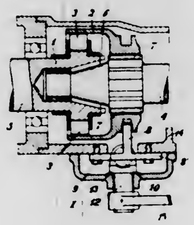
1. A supporting device comprising a hook member, a member having pointed projections pivotally mounted on said hook member, and a fastening member received on said pointed projections, said fastening member having spaced walls on the opposite sides of said pointed projections, one wall thereof having indentations in its inner surface to receive the points of said pointed projections.

2,001,292

CLUTCH DEVICE FOR MOTOR VEHICLES

Alfred Graf von Soden-Fraunhofen and Albert Maier, Friedrichshafen, Germany, assignors to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Germany

Application February 16, 1933, Serial No. 657,007
In Germany February 26, 1932
2 Claims. (Cl. 192—67)



1. A device for shifting one positive clutch member into and out of engagement with another comprising: a member in operative connection with said first clutch member, a wedge-shaped element adapted to co-operate with said member, a spring pressing against said element and adapted to force said member into one of its end positions, said member having an unsymmetrical notch, one side thereof being smooth the other one having a broken side face.

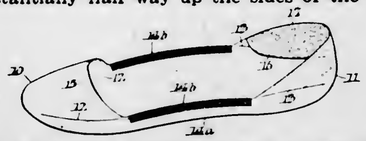
2,001,293

KNITTED STOCKING FOOT PROTECTOR

Wallace Wilson, Philadelphia, Pa.

Original application February 10, 1934, Serial No. 710,606. Divided and this application July 11, 1934, Serial No. 734,575
9 Claims. (Cl. 66—171)

1. As a new article of manufacture, a knitted stocking foot protector having a heel, a toe, and a connecting sole portion of a width to extend substantially half way up the sides of the foot,



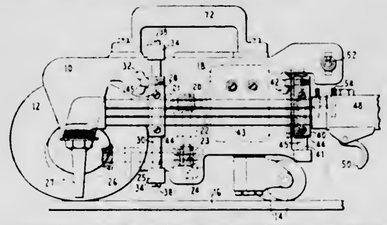
said sole portion comprising knit-in edge margins of elastic yarn.

2,001,294

METAL CUTTING MACHINE

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 21, 1932, Serial No. 638,836
15 Claims. (Cl. 266—23)



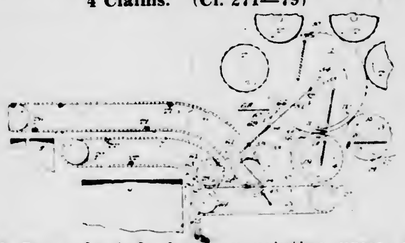
1. Cutting apparatus comprising a support, means including a traction wheel mounted to move in any direction over the surface of the work, a motor mounted on said support in driving relation to and movable with said traction wheel, and a torch supported on said support with the torch tip beside said traction wheel in position to direct a jet against the work substantially at the point where said traction wheel contacts with the work, so that the wheel travels along the edge of the cut as the support moves over the work.

2,001,295

SHEET DELIVERY MECHANISM FOR PRINTING PRESSES

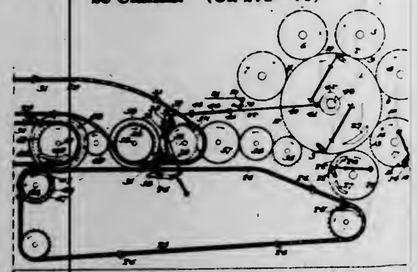
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application July 31, 1934, Serial No. 737,688
4 Claims. (Cl. 271—79)



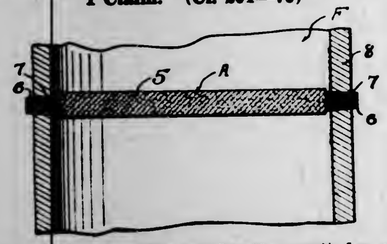
1. In a sheet feed rotary printing press, an impression cylinder and a flat sheet delivery therefor, comprising a sheet transfer endless chain carrier, a plurality of sheet delivery endless chain carriers coacting therewith to take alternate sheets from the sheet transfer endless carrier at different points thereon, and means for driving the sheet transfer endless chain carrier and the sheet delivery endless chain carriers all at the same surface speed as the impression cylinder.

2,001,296
SHEET DELIVERY MECHANISM FOR PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application January 5, 1935, Serial No. 515
25 Claims. (Cl. 271—76)



1. In a sheet feed rotary printing press, an impression cylinder and a sheet transfer endless chain carrier, both traveling at substantially the same surface speed, and a plurality of sheet delivery endless chain carriers traveling at a lesser surface speed and arranged to take alternate sheets from the sheet transfer endless chain carrier at said lesser surface speed.

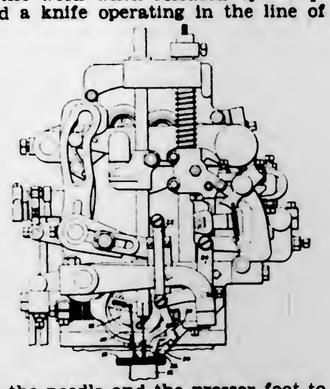
2,001,297
ELECTRICAL RESISTANCE UNIT
Carroll H. Boyles, Milwaukee, Wis., assignor to Heating Unit Corporation, Cedarburg, Wis., a corporation of Wisconsin
Application December 19, 1931, Serial No. 582,093
1 Claim. (Cl. 201—76)



An electrical resistance heating unit for electrical furnaces and the like comprising, an integral structure including an elongated body portion having its ends compressed to provide conductor terminals of less diameter than the body and of a greater density than the body, said body and ends being formed from the same type of material throughout their entire lengths.

2,001,298
SEWING MACHINE
Albert W. Bradbury, Cliftondale, and Roy E. Hood, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 8, 1934, Serial No. 710,238
6 Claims. (Cl. 112—45)

1. A sewing machine of the McKay type having, in combination, stitch forming and work feeding devices including a straight hook needle, a rotary work supporting horn, a presser foot for alternately clamping and releasing the work supported by the horn, a feed point acting on the side of the work engaged by the presser foot to feed the work when released by the presser foot, and a knife operating in the line of feed

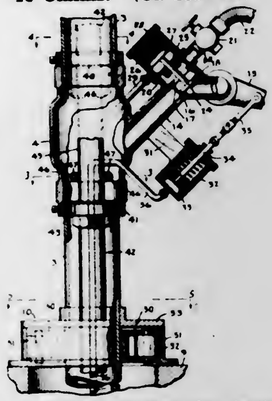


between the needle and the presser foot to form a stitch receiving groove in the work.

2,001,299
MANUFACTURE OF COPPER AMMONIUM SALTS OF DIAZO AMINO TETRAZOLE
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application December 14, 1932, Serial No. 647,220
7 Claims. (Cl. 260—12)

1. In the manufacture of a copper ammonium salt of diazo amino tetrazole by the reaction upon a soluble salt of diazo amino tetrazole of first a solution of a cupric salt and second acetic acid and ammonia, the method which comprises the addition of the ammonia dropwise until a measured excess is present, thereby securing a precipitate of the substantially pure crystalline copper ammonium salt and preventing the precipitation of undesirable impurities.

2,001,300
FIRE PROTECTION STANDPIPE SYSTEM
William F. Conran, Brooklyn, N. Y.
Application June 29, 1931, Serial No. 547,617
13 Claims. (Cl. 169—16)



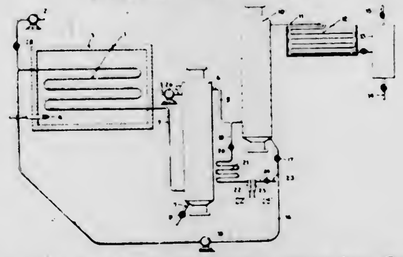
3. In a standpipe system for buildings, the combination of a movable standpipe having nozzle fittings at different levels, a fluid actuated valve in each fitting, grouped control lines extending from said valves along the outside of the standpipe to a control station, a sectional enclosure for said grouped control lines, and detachable

connections securing sections of said enclosure to said nozzle fittings.

6. In a standpipe system for buildings, the combination of a vertically movable and rotatable standpipe having nozzle branches at different levels, fluid-actuated means associated with said nozzle branches, control lines passing from said fluid-actuated means along the outside of the standpipe to a control station, and bearings for said standpipe, each of said bearings comprising a floor-plate and a rotatable part which turns on the floor-plate with the standpipe and in which the standpipe is vertically movable, said rotatable part having openings through which said control lines pass, and anti-friction members between the standpipe and said rotatable part.

8. In a fire-extinguishing standpipe system for buildings, the combination of a nozzle and a nozzle valve carried by the standpipe, a hose connection with a hose valve likewise carried by the standpipe and in the same general vicinity with said nozzle and nozzle valve, and remote control means operable from a station away from the heat zone of a fire in the space protected by said nozzle and nozzle valve, to open said nozzle valve and simultaneously shut off communication between said hose valve and the standpipe.

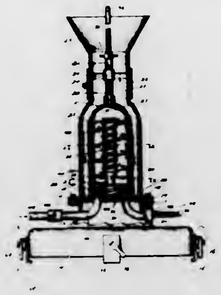
2,001,301
METHOD FOR CONVERTING HYDROCARBON OILS
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 31, 1932, Serial No. 631,224
9 Claims. (Cl. 196—48)



9. In a cracking system for hydrocarbon fluids wherein the fluid is passed through a heating zone and therein raised to a conversion temperature, the thus heated fluid being thereafter separated into vaporous and liquid constituents and the vaporous constituents passed through a fractionating zone to form a cycle condensate for the cracking system, the improvement that comprises condensing a portion of the vaporous constituents to determine the color of said condensed portion prior to the collection of the cycle condensate in the fractionating zone, utilizing the color of said condensed portion as a criterion of the cleanliness of the cycle condensate collected in the fractionating zone and controlling operating conditions of the cracking system in response to variations in color to thereby prevent objectionable carbon formation in the heating zone.

2,001,302
PORTABLE GEAR CASE CLEANER
James K. Delano, New York, N. Y.
Application March 17, 1934, Serial No. 716,041
4 Claims. (Cl. 184—1.5)

1. In a portable cleaning device for gear casings, the combination with a tubular member having a drainage funnel and an injection device, of a heating chamber formed within said tubular member and communicating with the injection device, a heating means mounted therein and adapted to heat the same, means for feeding



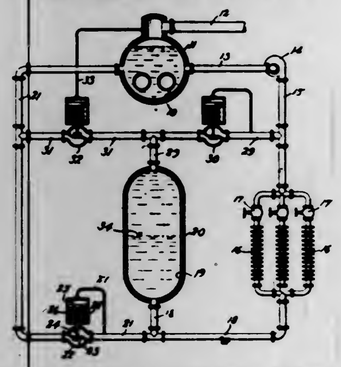
air to said heating chamber, means for regulating the rate of such feed, means for retarding the passage of the air through said heating chamber, and means for mounting said cleaning device adjacent to the gear casing.

2,001,303
CAN OPENER
Philip H. Farrell, Flushing, N. Y.
Application May 11, 1933, Serial No. 670,394
4 Claims. (Cl. 30—3)



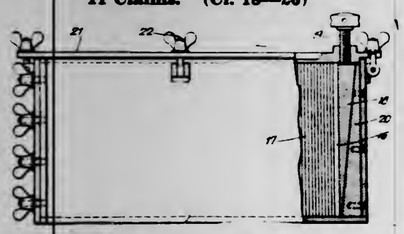
1. In a can opener the combination of a supporting arm, said arm having a notch in its front face at the upper end thereof, a supporting bracket fastened to the front face of said arm above said notch, locking heels depending from said bracket, an operative lever pivoted to the upper end of said supporting arm and a knife blade pivoted to the lower end of said operating lever, said supporting arm adapted to support a can with its upper seam positioned in said notch, and the lower edge of the said supporting bracket bearing on the upper face of the seam of the can and the said locking heels positioned opposite the inner face of said seam.

2,001,304
ACCUMULATING SYSTEM
Carl Föhl, Berlin, Germany, assignor to Ruths-accumulator Aktiebolag, Berlin, Germany, a corporation of Sweden
Application December 17, 1931, Serial No. 581,713
In Germany December 18, 1930
21 Claims. (Cl. 237—56)



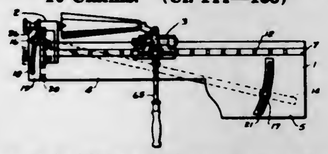
1. In a hot water accumulating system, a hot water generator, a heat consumer and an accumulator interconnected to form a closed system, means for withdrawing hot water from said generator, means responsive to the demand of said consumer for by-passing hot water around said consumer, means for conveying by-passed hot water to said accumulator, means for conveying cold water discharged from said consumers to said accumulator, means for conveying hot water from said accumulator to said generator, means for conveying cold water from said accumulator to said generator, and means operative in accordance with pressure variations in said generator for controlling admission of hot water and cold water, respectively, from said accumulator to said generator so as to maintain the pressure within said generator substantially constant.

2,001,305
METHOD OF AND APPARATUS FOR THE PRODUCTION OF GOODS OF RUBBER OR SIMILAR MATERIAL
Walter George Gorham, Erdington, Birmingham, and Geoffrey William Trobridge, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application May 17, 1934, Serial No. 726,066
In Great Britain December 20, 1929
11 Claims. (Cl. 18—26)



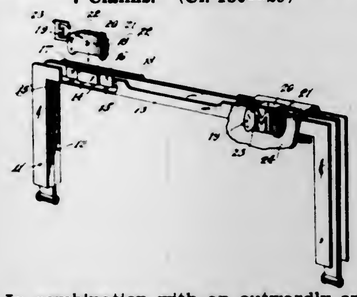
10. Apparatus for forming plates of microporous rubber which comprises a container for aqueous dispersions of rubber, a series of mold plates insertable downwardly into said container and having spacers at their side edges to form mold spaces between successive plates, and means to apply pressure endwise to the plates within said container.

2,001,306
ATTACHMENT FOR SAWING TAPERED MATERIAL
Albert Gressner, Flushing, N. Y.
Application December 10, 1932, Serial No. 646,691
10 Claims. (Cl. 144—138)



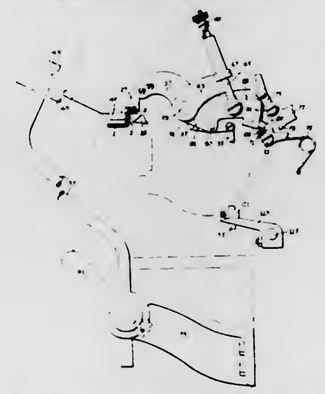
1. A work holding attachment comprising a flat bed plate, a bar extending longitudinally of said bed plate and positioned on the lower side thereof, said bar adjustably held in curved slotted openings in the opposite ends of said bed plate, another bar partially embedded in the upper surface of said bed plate and extending longitudinally thereof, a head stock mounted at one end of said bed plate and extending over the edge thereof, a tail stock slidable on the upper surface of said bed plate and keyed to the bar embedded in said upper surface, means fixedly holding said tail stock in different positions upon said bar, opposed holding means in said head and tail stocks for holding objects therebetween, said holding means in the tail-stock being movable and means for withdrawing said holding means in said tail stock from its engagement with the object held.

2,001,307
HAND BAG
William C. Hiering, Millburn Township, Essex County, N. J., assignor to J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application July 5, 1933, Serial No. 679,065
7 Claims. (Cl. 150—29)



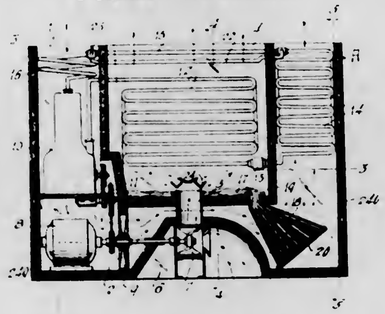
1. In combination with an outwardly opening channelled bag frame member having covering material attached thereto, said frame member having a plurality of apertures in the bottom wall thereof, a strip having tangs passing through said apertures, said strip being attached to the inner wall of the frame member and having a U-shaped portion to form a pocket with said inner wall, a plate depending downwardly on the outside of the bag covering, said plate having, at its upper edge, a right angularly directed flange, said flange having a downwardly depending portion provided with tangs, said tangs passing through certain of the apertures in the bottom wall of the channel, and an initial letter or other ornamentation attached to said plate.

2,001,308
SHOE SEWING MACHINE
Otto F. Hoppe, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 20, 1933, Serial No. 690,207
In Great Britain October 12, 1932
4 Claims. (Cl. 112—60)



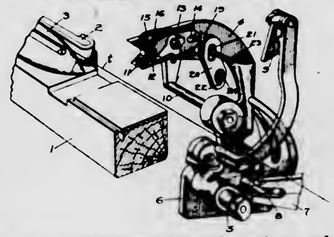
1. A shoe sewing machine for sewing the lower beaded edge of an upper to an outturned flange formed on a rim upstanding from the tread portion of the sole having, in combination with the stitch forming devices, a work support shaped and arranged to support the outturned flange on the shoe sole, a presser foot cooperating with the work support to clamp said flange and upper intermittently provided with a groove to receive the bead at the lower edge of the upper, and a horn extending into the shoe and pressing the rim of the sole against the edge of the work support.

2,001,309
AIR CONDITIONER
Charles P. Kelly, Newark, N. J.
Application October 28, 1933, Serial No. 695,566
3 Claims. (Cl. 62—129)



2. In an air conditioner, a refrigerating unit including an evaporator and two connected condenser sections, means for circulating air to be treated into contact with said evaporator to cool the air, a water collector and diffuser for collecting and diffusing water of condensation from said evaporator, and means for circulating air into contact with one of said condenser sections to heat the air, thence into contact with said collector and diffuser to evaporate the water and thereby cool the air and then circulating the cooled air over the other condenser section to cool the refrigerant gas.

2,001,310
PARTING MEANS FOR LOOMS
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 10, 1934, Serial No. 747,758
6 Claims. (Cl. 139—264)



1. In a shuttle feeler thread parter and clamp, the combination of a lay, a shuttle feeler, parting and clamping members pivoted to said shuttle feeler, a depending heel on said members, said heel having a plate adapted to be struck by the lay for closing said members, and means for adjusting said plate toward and from the lay for varying the time of closing of said members.

2,001,311
PLASTIC COMPOSITION
Morris Omansky, Boston, Mass., assignor to E. W. Colledge, General Sales Agent, Inc., Jacksonville, Fla., a corporation of Florida
No Drawing. Application March 31, 1932, Serial No. 602,394
4 Claims. (Cl. 106—22)

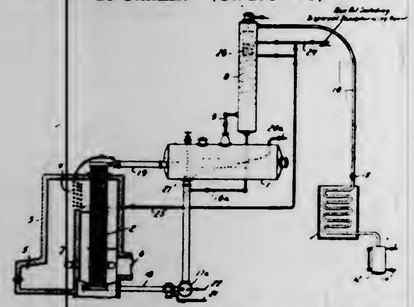
1. A plastic composition characterized by being sufficiently workable in the plastic state to permit the production of molded, extruded and similar products therefrom, comprising a plastic synthetic resin of the class consisting of phenol-formaldehyde resins, urea-formaldehyde resins, and glycerin-phthalic anhydride resins, and a filler containing a substantial proportion and at least an amount of finely divided charcoal equivalent to 5% of the weight of the resin, the amount of resin in the plastic composition being less than 43% by volume of the mass and the amount of charcoal being sufficient to render the composition workable in the plastic state so as to permit the production of molded, extruded and similar products.

2,001,312
VOTIVE LIGHT
Timothy M. O'Connell, Philadelphia, Pa.
Application January 31, 1934, Serial No. 709,126
5 Claims. (Cl. 67—21)



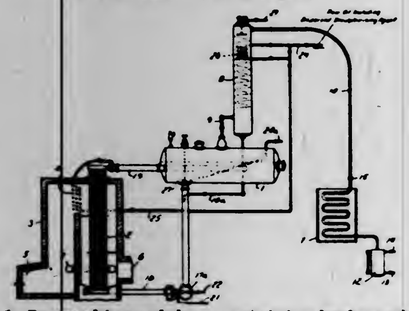
2. In a votive light the combination of a shell formed of a class of substances which are injured by heat, a lining for said shell, said lining being relatively infrangible and noncombustible, and a candle lying entirely within said lining.

2,001,313
ART OF CRACKING HYDROCARBON OILS
Harry L. Pelser, Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application February 19, 1929, Serial No. 341,215
10 Claims. (Cl. 196—58)



2. In cracking sulphur-containing hydrocarbon oils by distillation under superatmospheric pressure, the improvement which comprises passing raw oil including a dispersed desulphurizing agent through a primary heating zone into a vaporizing zone in a pressure still, circulating oil free from suspended matter from the vaporizing zone through a secondary heating zone back to the vaporizing zone, heating the oil passing through both heating zones to a cracking temperature, and taking off vapors including vapors of the desired distillate product from the vaporizing zone under superatmospheric pressure.

2,001,314
ART OF CRACKING HYDROCARBON OILS
Harry L. Pelser, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Original application February 19, 1929, Serial No. 341,215. Divided and this application February 27, 1931, Serial No. 518,722
4 Claims. (Cl. 196—58)



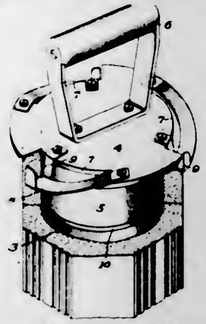
1. In cracking sulphur-containing hydrocarbon oils by distillation under superatmospheric pressure, the improvement which comprises passing raw oil including a dispersed desulphurizing agent through a primary heating zone into a vaporizing zone in a pressure still, taking off vapors from the vaporizing zone under superatmospheric pressure and subjecting them to a refluxing operation, circulating reflux condensate free from suspended matter from the refluxing operation through a secondary heating zone and thence directly back to the vaporizing zone without permitting circulation of unvaporized oil from the vaporizing zone through the secondary heating zone, heating the oil passing through both heating zones to a cracking temperature, and taking off vapors including vapors of the desired distillate product from the refluxing operation.

2,001,315
CONDUIT
Robert V. Proctor and Charles B. Cushwa, Youngstown, Ohio, assignors to The Commercial Shearing & Stamping Company, Youngstown, Ohio, a corporation of Ohio
Application February 13, 1932, Serial No. 592,718
3 Claims. (Cl. 72—51)



2. In a conduit, a liner comprising a plurality of liner plates connected to form a circumferential course, the body of each plate being provided with spaced local staggered embossments extending circumferentially of the conduit all of the metal between adjacent embossments in the same circumferential line being flat for withstanding longitudinal tension stresses in the liner, and means for connecting the plates along their sides to adjacent circumferential courses.

2,001,316
CONDUIT AND METHOD OF MAKING THE SAME
Roy A. Shipley, Pittsburgh, Pa., assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1931, Serial No. 545,779
4 Claims. (Cl. 25—156)



1. A method of making a ceramic conduit section, comprising providing a length of ceramic material in plastic state having a duct therethrough, and inserting partially into and bodily turning with respect to said duct a unitarily operable reaming tool having a portion for removing part of the material of said length.

2,001,317
ELECTRIC LAMP SOCKET
Frank W. Slady, Brooklyn, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a copartnership composed of Isidor Leviton and Evser Leviton
Application June 8, 1927, Serial No. 197,261
20 Claims. (Cl. 173—362)

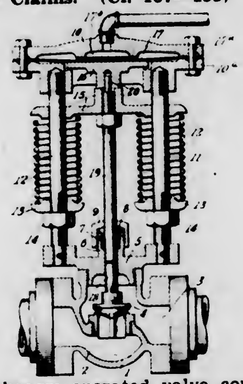
1. In an electric light socket, a shell and cap, a longitudinally extending slot near the upper

end of said shell, tongues substantially parallel to the axis of the cap extending inwardly along the skirt of said cap having their free ends point-



ing upwardly, said tongues having cut metal edges adapted to contact with the edges of said slot when said shell and cap are assembled.

2,001,318
VALVE
Paulsen Spence, East Orange, N. J.
Application June 18, 1931, Serial No. 545,225
5 Claims. (Cl. 137—153)



1. A diaphragm-operated valve comprising a body having two chambers therein, a valve head, a hood secured to said body, said hood having a bore therethrough, a valve stem guided within said bore, a plurality of springs supported by said hood, a yoke supported by said springs, diaphragm means for moving said yoke, and means for loosely coupling said yoke and said stem, said yoke and said springs being located intermediate said hood and said diaphragm, said springs, yoke and diaphragm means being bodily carried by said hood and removable as a unit therewith.

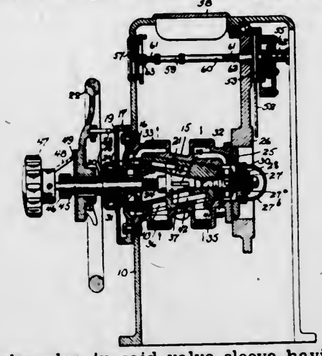
2,001,319
CABLE
George J. Stanley, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1932, Serial No. 608,038
3 Claims. (Cl. 173—13)



1. As an article of manufacture, a cable comprising a steel core covered with a spirally wound strip of aluminum foil adhesively secured to said steel core, and a plurality of aluminum conductors overlying the aluminum foil winding.

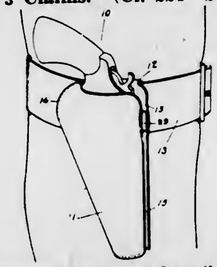
2,001,320
CONTROL APPARATUS
James E. Williamson, Maplewood, N. J.
Application December 10, 1930, Serial No. 501,233
3 Claims. (Cl. 277—41)

1. A control apparatus comprising a substantially cylindrical valve casing with radially spaced ports on its periphery, a valve sleeve rotatable in the casing and having passages disposed to register with selected ports of the casing, and a rotat-



able valve plug in said valve sleeve having imperforate ends and having only transverse passages to establish communication between the passages of the sleeve.

2,001,321
REVOLVER HOLSTER
John Emmett Berns, Bremerton, Wash.
Application September 6, 1932, Serial No. 631,745
3 Claims. (Cl. 224—2)

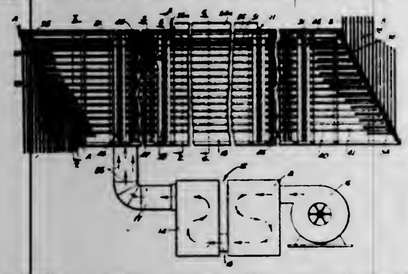


1. A holster of the class described embodying a case member provided with an open slot in the front and upper portions thereof, through which a revolver may be inserted into the holster and withdrawn therefrom, the edges of the holster around said front slot extending forwardly to provide a guard for the sights of the revolver; a curved pocket in the upper rear portion of the holster to receive the upper rear curved part of the trigger guard member of a revolver; a revolver barrel end supporting member in the lower end portion of the holster; and a spring member positioned in the holster adapted to frictionally engage a revolver and to releasably hold said rear curved part of the trigger guard member of the revolver in said curved pocket of the holster, thereby frictionally retaining the revolver in said holster.

2,001,322
MULTIPLE FILM HANDLING DEVICE
Bruce Burns and Howard B. Lewis, Los Angeles, Calif., assignors, by mesne assignments, to Hughes Industries Co., Ltd., Los Angeles, Calif., a corporation of Delaware
Application April 25, 1931, Serial No. 532,809
7 Claims. (Cl. 34—48)

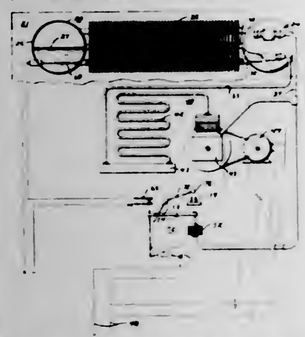
6. A film handling device of the character described, including: walls forming an elongated

horizontal duct having an upright side wall structure; a film passage formed along said side wall structure, there being removable cover means forming the outer wall of said film passage and a plurality of horizontal walls extending from said side wall structure so as to form a plurality of film channels in said film passage; a plurality of rollers associated with each of said horizontal walls and so disposed as to support



a separate motion picture film out of contact with said horizontal wall; means for pulling said separate motion picture films through each of said film channels while said separate films are supported by said rollers in said respective film channels; aperture means in said side wall structure providing communication between said duct and said film passage; and means for producing a flow of fluid through said aperture means.

2,001,323
REFRIGERATING APPARATUS
Herman J. Dick, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application April 29, 1931, Serial No. 533,739
9 Claims. (Cl. 62—4)



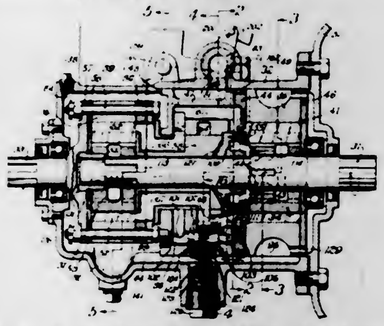
1. An intermittently operated refrigerating system comprising in combination a cooling element, a refrigerant circulating element adapted to supply refrigerant to said cooling element, said cooling element being maintained normally below a predetermined temperature range, means responsive to normal conditions within said system for controlling the operation of said refrigerant circulating element, an artificial heating element located within the walls of said cooling element and arranged to apply its heat directly to refrigerant in the cooling element for defrosting said cooling element, and means for simultaneously rendering said heating element effective and for rendering said first named means ineffective to normal conditions within said system.

2,001,324
TELEPHONE SHELF
Edwin L. Early, Kansas City, Kans., assignor of one-half to Nell W. Crouch, Kansas City, Kans.
Application April 6, 1933, Serial No. 664,768
2 Claims. (Cl. 312—112)



1. A telephone shelf adapted to be hung on a substantially vertical wall and to combine therewith in forming a book housing, comprising a horizontal pedestal; a panel depending from the pedestal in spaced, parallel relation with the supporting wall, said pedestal extending forwardly from said panel an appreciable distance and rearwardly to the supporting wall; a ledge carried by the panel adjacent the lower edge thereof and extending from the panel to the wall to support a book between the two; a bracket along one vertical edge of the panel extending rearwardly to close the space between pedestal, panel, ledge and wall and forwardly to provide a support for the forwardly extending portion of the pedestal; and another bracket along the other vertical edge of the panel extending forwardly from the latter an equal distance beneath the pedestal as the other bracket, said first mentioned bracket having a hole formed therethrough in the portion thereof closing the space between pedestal, panel, ledge and wall whereby to allow insertion of a finger to push the book from the said housing.

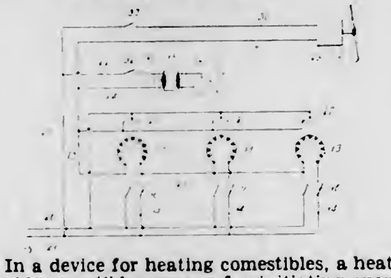
2,001,325
HYDRAULIC TRANSMISSION
Clifford E. Ives, Wilmette, Ill.
Application April 9, 1932, Serial No. 604,163
43 Claims. (Cl. 60—19)



34. In a hydraulic transmission, a stationary casing, a power input shaft projecting into the casing, a power output shaft projecting into the casing, rotary hydraulic pump means for transmitting movement from the power input shaft to the power output shaft within the casing, said casing being entirely filled with oil and shaped so that a centrifugal propelling action of the oil is caused by the rotary pump, a separate oil tank, means for utilizing said propelling action for delivering oil from the casing to said tank, and means for delivering oil from said tank back to said casing.

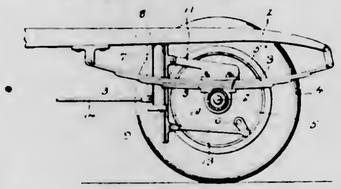
35. In a hydraulic transmission for an automobile, a power input shaft, a power output shaft, hydraulic means for coupling said shafts to drive said output shaft in forward or reverse direction in a full range of speed ratios, means actuated by the speed of the output shaft for controlling the speed ratios between said shafts, wherein said control means includes centrifugal devices carried by the output shaft, an adjustable control element and a connection for actuating said control element oy the movement of said centrifugal devices, an engine foot throttle, said control element having a connection to said engine foot throttle, and being initially actuated as an incident to depressing the foot throttle to couple said shafts hydraulically whereby the centrifugal devices are thereby rendered effective.

2,001,326
ELECTRIC RANGE
Robert John, New York, N. Y.
Application June 27, 1932, Serial No. 619,570
9 Claims. (Cl. 219—37)



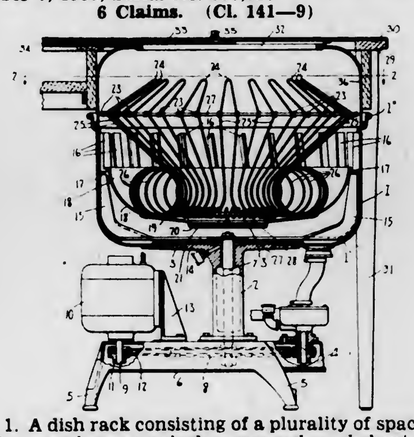
1. In a device for heating comestibles, a heater for said comestibles, means for initiating operation of said heater, a device for eliminating odors produced by said heated combestibles, said means also being effective to initiate operation of said odor eliminating device and means responsive to the temperature of said heater and comestibles to continue the operation of said odor eliminating device after said heater has been rendered inoperative and to discontinue the operation of said odor eliminating device when the temperature of said heater and comestibles drops to a predetermined point.

2,001,327
LEVERAGE CHANGING MECHANISM FOR MOTOR VEHICLE BRAKES
Ernest C. Johnson, Somerset, Pa.
Application February 19, 1934, Serial No. 712,028
3 Claims. (Cl. 188—195)



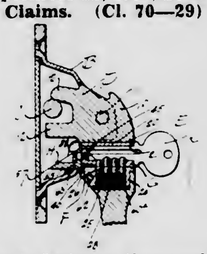
1. A power means for motor vehicle brakes comprising a fulcrum bar having a fixed fulcrum adjacent one end and connected to a brake operating lever adjacent its opposite end, and a force applying means slidably connected to the bar and influenced by varying loads to change its point of connection with said bar between the latter's fixed fulcrum and its connection to the brake operating lever.

2,001,328
DISHWASHING MACHINE
Michael J. Kehoe, Springfield, Ohio
Original application May 26, 1931, Serial No. 540,102. Divided and this application November 7, 1933, Serial No. 697,017
6 Claims. (Cl. 141—9)



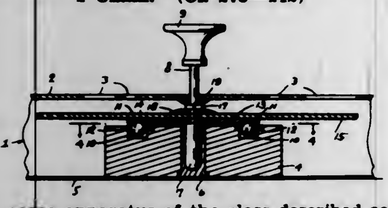
1. A dish rack consisting of a plurality of spaced wire members annularly arranged, each bent to form an inwardly and upwardly inclined loop and laterally spaced downwardly directed rods, said loops being spaced one from the other, and means connecting said members, each of said rods having its free end bent into the form of a ring located in a vertical plane.

2,001,329
LOCK MECHANISM
Arthur G. Lyons, Pennside, and William S. Diehl, Shillington, Pa., assignors, by mesne assignments, to The Dent Hardware Company, Fullerton, Pa., a corporation of Pennsylvania
Application September 22, 1932, Serial No. 634,388
3 Claims. (Cl. 70—29)



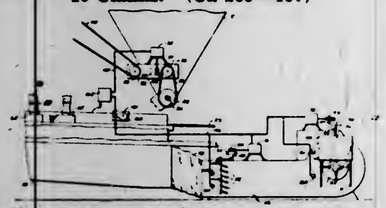
2. In a closure fastener the combination of a supporting casing, a latch bolt movably mounted upon the supporting casing, a pivoted handle for actuating the latch bolt, a rotatable plug upon the handle, key actuated means for locking the plug against rotation upon the handle, said casing having a keeper opening therein, a bolt mounted upon the plug and extending into said keeper opening of the casing having a side formed to bind against an edge of the keeper opening when the handle is in one position, to prevent pivotal movement thereof, said bolt being shaped to clear said edge of the keeper opening when the bolt is in another position to permit pivotal movement of said handle.

2,001,330
GAME APPARATUS
Hugh McKeever, Tulsa, Okla.
Application October 3, 1934, Serial No. 746,711
1 Claim. (Cl. 273—142)



A game apparatus of the class described comprising a casing including a top having a plurality of windows therein, a base fixed on the bottom of the casing, said base having recesses in its top, a thrust bearing mounted vertically in the base, a spindle journaled in the thrust bearing and extending upwardly through the top of the casing, said spindle including an enlarged lower end portion providing a shoulder and further including a threaded portion immediately above said shoulder, a turntable mounted on the spindle and engaged on the shoulder, a dial mounted on the spindle and resting on the turntable, a nut threaded on the spindle, a cleat interposed between the nut and the dial for securing the turntable and the dial to the spindle for rotation therewith, said dial having indicia thereon observable through the windows, an actuating knob on the upper end of the spindle, the turntable having indentations in its lower side, shafts mounted in the base and traversing the recesses in said base, and rotary balls mounted on the shafts and engageable in the indentations for bringing the dial to a stop in predetermined positions.

2,001,331
PROCESS AND MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
Rembrandt Peale, Jr., St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware
Application September 23, 1930, Serial No. 483,856. Renewed September 27, 1934. In Germany December 7, 1929
10 Claims. (Cl. 209—467)

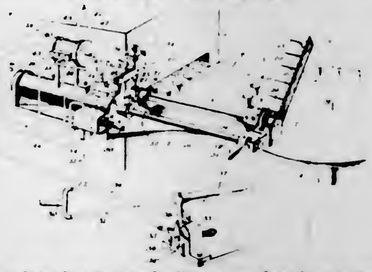


1. In a mechanism for separating intermixed divided materials including in combination an air-pervious deck, an air chamber, a member in the chamber below the deck containing a plurality of aperaures for admitting air to the deck and means for controlling passage of air through said apertures comprising apertured stoppers.

6. The process of purifying coal which comprises subjecting a substantial bed of raw coal to vibration and lifting and loosening air currents to stratify and separate the coal and heavy impurities, progressing the flotant coal stratum to discharge and concurrently effecting a transverse size classification thereof, extracting a selected portion of the coarser coal in the discharging coal stream as middlings and extracting finer middlings from another portion of said stream, and returning the middlings to the bed for additional separating action.

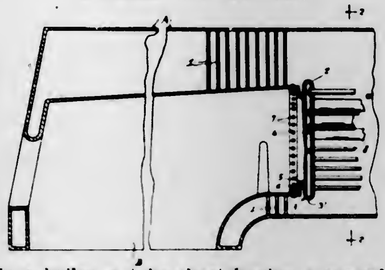
9. Mechanism for separating intermixed divided materials including in combination an air-pervious deck, means for maintaining thereon a traveling bed of raw material undergoing pneumatic stratification and separation including a mechanically-actuated feeder for regulably supplying raw materials to the deck, a member contacting with the surface of the bed on the deck and movable in conformity to changes in the depth of the bed, and devices controlled by said member for regulating the feeder thereby to vary the supply of raw material to the bed in accordance with variations in depth thereof, a motor-driven fan for supplying air under pressure to the bed, a regulating device for varying the amount of air supplied by the fan, and devices controlled by said member for actuating the fan-regulating device.

2,001,332
LEER LOADER
James W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application May 31, 1933, Serial No. 673,725
11 Claims. (Cl. 198—31)



1. A leer loader including a pusher bar extending across the face of the leer when in operative position, said bar being pivotally mounted at one end at one side of the leer, means for moving the bar toward and from the front of the leer, and means for swinging the free end of the bar up and down across the front of the leer in substantially vertical planes parallel with the front of the leer.

2,001,333
TUBE SHEET FOR BOILERS
Joseph R. Smith, Cumberland, Md.
Application July 25, 1934, Serial No. 736,934
1 Claim. (Cl. 122—512)



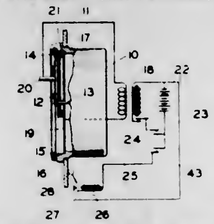
In a boiler, a tube sheet having a spaced re-entrant flange joined marginally thereto by an outwardly curved portion, said re-entrant flange terminating at its inner edge in an outwardly disposed U-shaped portion having a lateral attaching flange extending from the free end thereof.

2,001,334
COUPLER FOR JOINTED DOLLS
Jacob Stein, Brooklyn, N. Y.
Application October 8, 1932, Serial No. 636,889
2 Claims. (Cl. 46—40)



1. In a joint connection for jointed hollow rubber dolls, the combination with the body and limbs of the doll, said body having concaved sockets therein and the limbs having complemental projecting end portions to fit in said sockets, said sockets each having an opening in the bottom and extending through the wall thereof and said end portions of the limbs having coaxial openings therein, of a coupling member joining said limbs and body together and comprising a shank of rubber having one end fixedly secured in an opening of one of said limbs and extending through the openings in opposite sockets and the opening in the end portion of an opposite limb, said shank being rotatable in said last mentioned opening, and an enlarged rubber head on the other end of said shank larger than said last opening, whereby the elements of the doll are movably jointed together.

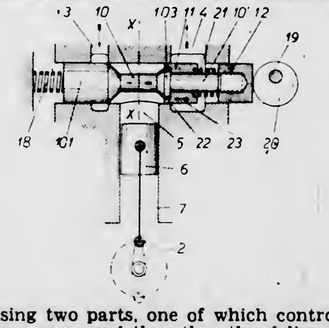
2,001,335
APPARATUS FOR MARKING DIALS OF INSTRUMENTS
Adolf Urfer, Brooklyn, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York
Application April 20, 1929, Serial No. 356,691
7 Claims. (Cl. 73—151)



7. Apparatus for marking the dial of an indicating instrument having a hand, comprising means for subjecting said indicating instrument to a known condition which the instrument is to be adapted to subsequently indicate when unknown, and electric sparking means movable with the instrument hand for marking an indication upon the face of the dial at the will of the operator.

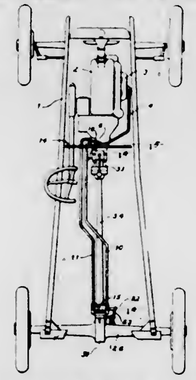
2,001,336
HYDRAULIC DEVICE
Paul v. Vágó and Edmond Uher, Budapest, Hungary; said Uher assignor to said von Vago
Application May 31, 1930, Serial No. 458,734
In Germany June 14, 1929
12 Claims. (Cl. 103—40)

1. A pump comprising a cylinder, a suction passage, a delivery passage, a piston reciprocating in the cylinder, a valve passage extending transversely to the direction of movement of the piston and communicating near one end with the suction passage and near the other end with the delivery passage, the central portion of the valve passage being in communication with the interior of the cylinder, a control valve reciprocating in the valve passage, the said control valve



comprising two parts, one of which controls the suction passage and the other the delivery passage, the part controlling the delivery passage being displaceable in relation to the part controlling the suction passage, and means for shifting the mean position about which the control valve reciprocates relatively to the suction and delivery passages.

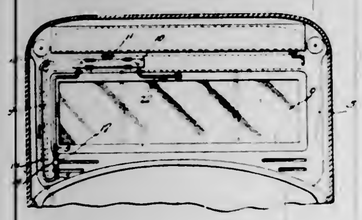
2,001,337
TRANSMISSION OPERATING AND CONTROLLING APPARATUS
Arthur A. Wiedmaier, Detroit, Mich.
Application October 23, 1931, Serial No. 570,748
10 Claims. (Cl. 74—364)



1. In an automotive vehicle having supporting propelling ground wheels, an internal combustion engine adapted to develope intake vacuum, a driving axle construction comprising an enclosing housing, power transmitting mechanism for transmitting power from the engine to the wheels through the axle construction comprising a multi-speed gear mechanism in the axle housing, a shift mechanism for the gear mechanism comprising a movable element in the axle housing, a shifting lever associated with the movable element extending outwardly through the axle housing and having an oscillatable bearing fulcrum on the housing, a vacuum actuable power-supplying means having a movable element connected to the shifting lever, and conduit means

for communicating intake vacuum of the engine to the power-supplying means, and manually operable valve means in the line of the conduit means, the bearing fulcrum being formed in a lever housing having a generally tubular portion adapted to be telescoped into an aperture formed in the wall of the axle housing and to be detachably secured to the wall.

2,001,338
DEVICE FOR SPRAYING AN ANTIFREEZE SOLUTION ONTO WINDSHIELDS
John F. Wiseman, Dorchester, Mass.
Application May 13, 1932, Serial No. 611,187
2 Claims. (Cl. 20—40.5)



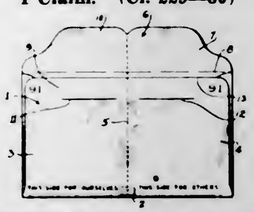
1. In a device for spraying an anti-freeze liquid onto the windshield of a motor vehicle, a storage tank for the liquid provided with a top filling opening and having a bottom inlet and a bottom outlet normally closed by spring-seated check valves, said check valves being arranged to be unseated by pressure to respectively admit air under pressure into the tank and to permit discharge of the liquid under pressure from said tank, means removably mounting said storage tank in the motor vehicle above said windshield, a spray head mounted at the top of and arranged to discharge the liquid onto the outer surface of the windshield, a pipe connection between the spray head and the outlet of said tank detachably coupled to the latter, and manually controlled means for supplying air under pressure to said tank including an air supply line detachably coupled to the inlet of said tank.

2,001,339
COATING PAPER
Joseph H. Wood, Chicago, Ill.
Application February 9, 1931, Serial No. 514,378
2 Claims. (Cl. 91—68)



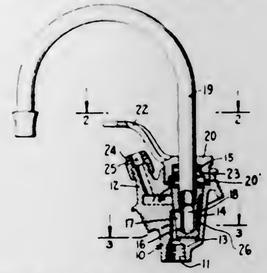
1. The method of producing coated paper which comprises; moving a web of paper; applying to said web at a predetermined point wet coating material substantially in excess of the amount finally desired; continuing the movement of the wetted web out of contact with the applying instrumentality; drawing the wetted web under its own tension over a striated calibrating and equalizing bar, to remove excess coating and calibrate the thickness of the remaining coating at all points transversely of the web by the contact between the web and the striated bar only; permitting the striated and calibrated coating to remain wet long enough for the striations to disappear; and subsequently drying the coated web.

2,001,340
ENVELOPE
Joseph W. Bear, Roanoke, and Reyborn R. Sublette, Vinton, Va., assignors to Double Envelope Corporation, Roanoke, Va., a corporation of Virginia
Application February 18, 1933, Serial No. 657,410
1 Claim. (Cl. 229—80)



Duplex envelope comprising a body having front and back faces closed at the sides and bottom and having an opening at the top, the front face having a flap foldable over said opening, said front and back faces being pasted together along a transverse strip forming side-by-side pockets, said flap and the body of the envelope having a transverse line of weakness extending intermediately along the said pasted strip, the back face of said envelope having longitudinal slits at a distance from the edge of said opening, and discontinuous over said pasted strip, said flap having a longitudinally extending gummed area at a distance from its free edge adapted to contact the back of said envelope between said slits and the edge of the opening, the free part of said flap between said gummed area and the free edge overlying said slits when said envelope is sealed.

2,001,341
COMBINATION BUBBLER AND GLASS FILLER
James M. Clarke, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 25, 1933, Serial No. 658,578
1 Claim. (Cl. 299—9)



A combination bubbler and glass filler comprising a bubbler body having an inlet, an upwardly directed bubbler discharge passage and a chamber, a hollow valve body rotatably mounted in said chamber, constructed to direct liquid flow from said inlet alternatively to said bubbler discharge passage and to the interior of said valve body, a goose neck glass filler having its inlet end secured in communication with the interior of said valve body, said valve body being provided with a chamber extending substantially around the major portion of the same and having a passage from the interior through the unchambered portion, movable upon rotation of said valve body into or out of registration with said inlet, the

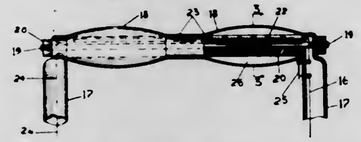
relative circumferential extent of said inlet and chamber being such that an open discharge passage through the device will be provided at all times regardless of the relative positions of the parts.

2,001,342
GOLF CLUB
Walter L. Dyce, Webster, S. Dak.
Application July 15, 1933, Serial No. 680,633
3 Claims. (Cl. 273—80)



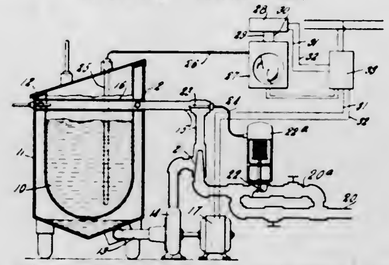
1. Means for connecting one member to another comprising a socket in one member and a reduced portion on the other member for entering the socket, the reduced portion on the said other member being provided with a spiral thread, and said socket being provided with an internal spiral thread complemental to the thread on said reduced portion for threadedly securing said reduced portion within the socket, and locking means for securing the parts together, said locking means including a sleeve slidable on said other member, a lug on said sleeve to engage alined notches provided one on the wall of the socket at the upper end of the socket, and a second notch on the reduced portion of said other member, said other member above said reduced portion being provided with a groove, a spring arranged in said groove with an end position to be engaged by the lug on the sleeve for normally urging the sleeve in one direction to retain said lug engaged with the alined notches.

2,001,343
PERAMBULATOR
Martha Fehre, New York, N. Y.
Application January 26, 1933, Serial No. 653,573
1 Claim. (Cl. 219—19)



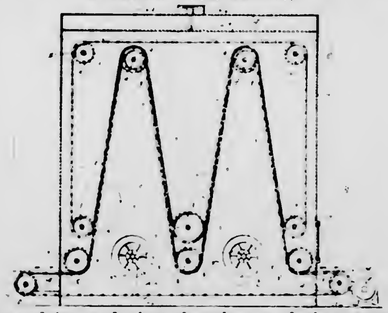
In a device of the class described, the combination of a heating unit with a carriage handle, and comprising grip elements, a rod supporting the latter, an insulator mounted on said rod and being made with two upwardly projecting flanges at its top, said flanges forming a channel between themselves and being provided with perforations in their longitudinally extending surfaces, a resistance coil disposed in said channel and serving as a positive wire, and with a negative wire co-acting with said resistance coil; the insulator being of a size relative to the gripping elements so as to form spaces therebetween adapted to co-operate with the perforations in the flanges leading to said channel for the conveyance of heat from the resistance coil, disposed in the latter, to the gripping elements, and a switch for controlling the heating element.

2,001,344
TEMPERATURE CONTROL MEANS FOR LIQUID HEATERS
Harold S. Fielder, La Grange, Ill., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
Application June 29, 1933, Serial No. 678,255
19 Claims. (Cl. 236—18)



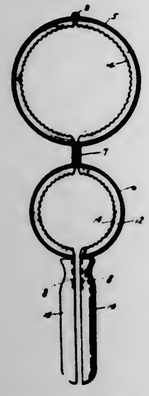
1. The combination of a vat containing a liquid, means for circulating a liquid heating medium in heat exchange relation to said liquid for heating the latter, thermo-sensitive means which regulates the temperature of the heating medium, and thermo-sensitive means which stops the circulation of the heating medium when the liquid is heated to a predetermined temperature, the stopping of the circulation of the heating medium acting indirectly through said first mentioned thermo-sensitive means to shut off the source of heat for the heating medium.

2,001,345
DRIER
Albert G. Forty, Graniteville, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a corporation of Massachusetts
Application January 18, 1934, Serial No. 707,184
1 Claim. (Cl. 34—12)



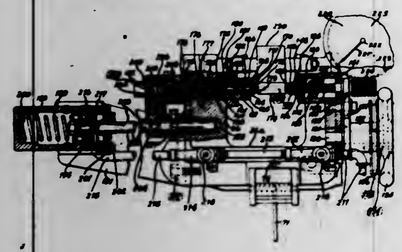
In a drier, a drying chamber, a chain conveyor entering the lower portion of the chamber through one end wall thereof and leaving through the lower portion of the opposite end wall, a series of sprocket wheels disposed at spaced points at the lower end of the chamber between the entrance and exit opening, a series of sprocket wheels adjacent the upper portion of the chamber, the chain conveyor being trained beneath the first named sprocket wheels and over the second named sprocket wheels to provide a series of ascending and descending flights, sprocket wheels concentric to but larger than the upper sprocket wheels, sprocket wheels disposed above but in line with the first named sprocket wheels and an endless chain conveyor travelling around the third and fourth named sprocket wheels and bearing against the material on the upper surface of the first named conveyor and travelling therewith.

2,001,346
FRUIT JAR LIFTER
Robert Jackson Hays, Kingsland, Ark.
Application May 26, 1934, Serial No. 727,831
1 Claim. (Cl. 294—28)



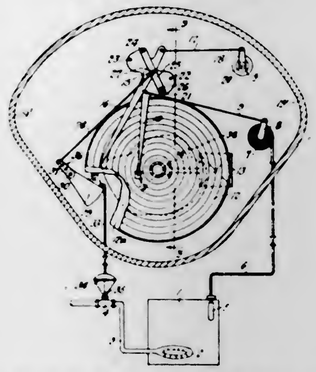
A device of the class described comprising a pair of elongated strips of considerable width, each strip having a pair of semi-circular portions, one larger than the other and a short straight portion connecting the adjacent ends of the semi-circular portions together, the large semi-circular portion terminating close to one end of the strip and the small semi-circular portion being spaced from the opposite end of the strip, said opposite end of the strip being straight, handles connected to said opposite ends of the strips and having flat inner faces and rounded outer faces, the ends of the strips opposite those ends to which the handles are connected being rolled to form barrels, and a pin passing through the barrels and hingedly connecting the two strips together, a lining of resilient material for each semi-circular portion of each strip and rivets connecting the lining to the strip, the inner end of each rivet being embedded in the lining.

2,001,347
CONDENSER WINDING MACHINE
John Q. Holmes, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 16, 1933, Serial No. 685,323
12 Claims. (Cl. 242—55)



8. In a winding machine, the combination of a reciprocable mandrel for winding layers of material thereon; yielding stop means for preventing longitudinal movement of the wound object in one direction relative to the mandrel; and yielding means for moving the mandrel in either direction, the wound object being stripped off the mandrel upon engagement with said stop means during movement of the mandrel in said one direction.

2,001,348
AUTOMATIC CONTROL MECHANISM
Giles Philip Eliot Howard, Luton, England, assignor to Messrs. George Kent Limited, London, England
Application January 13, 1933, Serial No. 651,608
8 Claims. (Cl. 236—46)



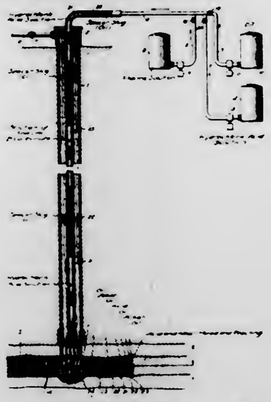
1. In automatic control mechanism, the combination of a setting arm for setting the mechanism to the value at which it is desired to maintain the condition to be controlled, a second arm which is mounted to rock about an axis concentric with that of the setting arm and is displaced in dependence on the value of the condition to be controlled, a third arm pivotally connected to the setting arm and placed in connection with the second arm through a pin and slot connection a control means, a link connecting the control means to the third arm, the point of connection of the link to the third arm being co-axial with the pivotal axis of the setting and second arms when these latter are in a predetermined relative position whereby similar movement of the setting and second arms produces no relative movement of the third arm while deparature of these arms from the predetermined relative position effects movement of the third arm and hence of the control device in dependence on the extent of departure.

2,001,349
STEERING WHEEL AND IDENTIFICATION MEANS
Harry A. Husted, Lakewood, Ohio
Application June 22, 1934, Serial No. 731,933
7 Claims. (Cl. 40—2.2)



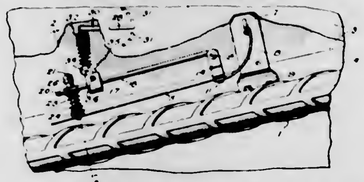
7. The combination with an automobile steering wheel having a metallic plastic coated spider of a metallic strip welded to the spider and provided with identification numerals or characters embossed thereon and projecting to the height of the coating of the finished wheel and whereby attempted alteration will be apparent from the resulting mutilation of the coating.

2,001,350
METHOD OF TREATING OIL AND GAS WELLS
Ronald Van Auken Mills, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application April 20, 1934, Serial No. 721,534
1 Claim. (Cl. 166—21)



A method of chemically treating wells including the steps of injecting a chemical into the well, then injecting a charge of oil, then injecting a second chemical capable of reacting with said first chemical to produce heat and/or gas and forcing the chemicals separated by the oil into the producing formation in widening substantially concentric rings until the chemicals contact and react.

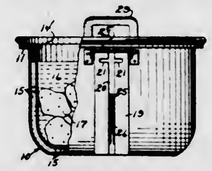
2,001,351
CORN HUSKER
Arthur Nuttelman, West Salem, Wis.
Application November 28, 1933, Serial No. 700,122
5 Claims. (Cl. 130—5)



1. In a corn husker, a bank of husking rollers, a flat plate of relatively flexible material over said rollers, a lip of stiff material extending from one end of said plate and curved upwardly, means engaged with the upper edge of the lip for pivotally supporting and vertically adjusting the same, and means for yieldably supporting the lower end portion of said plate a predetermined distance above said rollers, and means to yieldably resist movement of the plate away from said rollers.

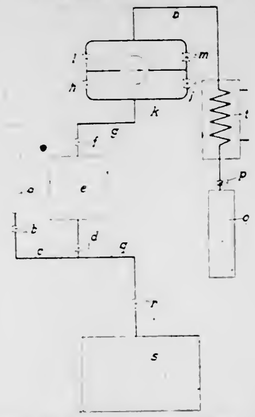
2,001,352
COOKING UTENSIL
Emanuel Princiotta, Grosse Pointe, Mich.
Application April 21, 1934, Serial No. 721,784
2 Claims. (Cl. 53—2)

1. A cooking utensil of the kind described comprising inner and outer containers movable relative to each other and open at their tops, a mouth rim formed on the outer container and providing a seat for the open top of the inner container, said inner container having perforated sides and bottom, vertical guide housings formed on the outer container and having longitudinal and lateral slots intersecting each other,



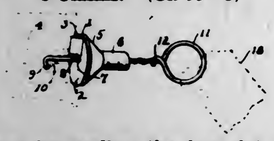
legs on the inner container and slidably fitting the housings, and a double spring arm latch arranged in each of the legs and having latching nibs working in the longitudinal slot and receivable in the lateral slot for the latching of the containers in determined positions with respect to each other.

2,001,353
TRANSFER OF LIQUEFIED GASES
Wadim Salnikoff, Berlin, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application April 5, 1933, Serial No. 664,673
In Germany May 12, 1932
2 Claims. (Cl. 62—178)



1. A plant for transferring from one vessel to another liquefied gases with exclusion of atmospheric air, such gases being intended for burning or illuminating purposes and having a comparatively high boiling point or a slight over-pressure at room temperature, the gas being stored in a liquefied state; said plant comprising, in combination with supply drum and storage vessel, a valved conduit between said supply drum and storage vessel, a second drum and a second valved conduit between said storage vessel and said second drum, a cooling device and a gas compressing pump in the second conduit, adapted to vaporize the gas and evacuate it from said storage vessel and conveying the vaporized gas to the second drum through said cooling device wherein the gas becomes reliquefied, an intermediary container inserted in the conduit between said storage vessel and the gas pump, and having connection with said first conduit.

2,001,354
LOCK SEALING MEANS
Francis Thornton Smith and Charles B. Polhemus, San Jose, Calif.
Application April 16, 1934, Serial No. 720,798
5 Claims. (Cl. 70—8)



1. Means for sealing the key slot of a lock comprising, an element formed to enter the key slot of a lock and hook upon a lock part, and a malleable material mounted upon the element and movable into engagement with the face of the lock.

2,001,355
DIE OR ANCHOR FOR TACK BUTTONS
Franklin R. White, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application June 18, 1932, Serial No. 618,071
2 Claims. (Cl. 79—3)



1. The method of forming a die for tack buttons which consists in cutting blanks of steel ribbon stock, the forward end of the blank being the reverse of the rear end, drawing the blank into a shell having a rounded bottom and serrated rim, and the serrations being of varying lengths due to the shape of the cut blank, compressing the dome of the shell to form a head, drawing in the remainder of the shell to form a restricted hub, and forcing the uneven length serrations up into the hub to provide a guide for a tack.

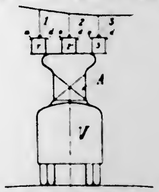
2,001,356
HINGE
Fred G. Bates, Highland Park, Mich.
Application April 4, 1934, Serial No. 718,956
6 Claims. (Cl. 16—164)



1. A hinge comprising two apertured plates, a curved arm pivoted in each plate, both arms being of similar radius for a greater portion of their length and being aligned with one another for a portion of their length in all positions of the hinge, means extending from each arm slidable in a slot formed in the other arm, and guide means carried by the plates each controlling the path of movement of one of the arms.

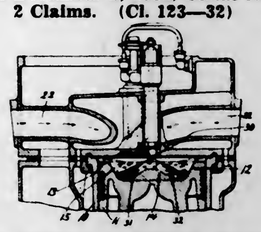
2,001,357
ELECTRIC TRACTION
Edouard Guignard, Paris, France, assignor to Société Parisienne pour l'Industrie des Chemins de Fer et des Tramways Electriques, Paris, France, a French joint-stock company
Application July 27, 1933, Serial No. 682,515
In France August 10, 1932
8 Claims. (Cl. 191—33)

1. A trolley-wire system for collector-fitted electric traction vehicles having an indefinite path, comprising a plurality of parallel wires including conductors connected to respective poles of a source of supply, and dead wires spaced intermediately between and laterally of said conductors, said dead wires being spaced



from the adjacent conductors and from each other a distance less than the width of the collector adapted to take current from each conductor, and said wires constituting a substantially horizontal web extending in the direction of travel.

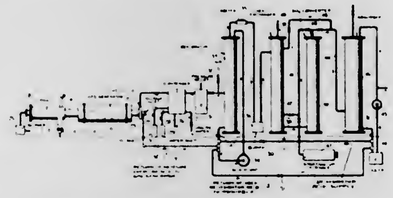
2,001,358
INTERNAL COMBUSTION ENGINE
Charles O. Guernsey, Yeadon, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application December 2, 1931, Serial No. 578,501
2 Claims. (Cl. 123—32)



1. In an internal combustion engine of the Diesel type, the combination of a piston the head of which is formed with an annular cavity to accomodate a fuel ring, the cavity being defined internally by a central cone, the outer wall of the cavity being inclined to terminate short of the cylinder wall whereby a ring-like shelf is provided at the edge of the piston to cause preliminary accelerated pressure inwardly across the annular cavity upon upward movement of the piston whereby rotation of the mass in the annular cavity towards a common axis is produced, a plurality of inlets arranged to direct air tangentially at spaced points to cause rotation of the mass in said fuel ring about a common axis, and a fuel inlet positioned over the cone-shaped piston extension having ports arranged to direct oil into the annular cavity and transversely of the fuel ring towards its inclined outer wall.

2,001,359
PROCESS OF MAKING CONCENTRATED SULPHURIC ACID OR OLEUM
Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware
Application November 11, 1931, Serial No. 574,244
5 Claims. (Cl. 23—175)

1. In the process of making a highly concentrated sulphuric acid or oleum from a moisture loaded sulphur dioxide gas in a system wherein a moisture loaded SO_2 gas is produced in a gas generator, by the reduction of SO_4 compounds with an excess of reducing agent, is subsequently passed through a water condenser, wherein moisture is removed from the gas, and the gas exiting from the condenser and containing an overload of moisture is then passed through a sulphuric acid dehydrator, wherein the moisture overload is taken up by the sulphuric acid therein, the steps which comprise returning the acid containing the moisture overload to the contents of the gas generator, regenerating SO_2 gas therefrom in said gas generator, passing the regenerated SO_2 gas through the water condenser and withdrawing the moisture overload from the system by means of the condenser.



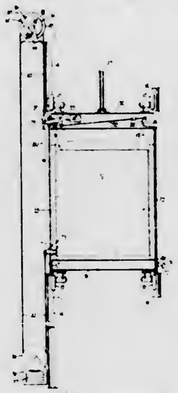
3. The process of making highly concentrated sulphuric acid or oleum which comprises generating at one point in a sulphuric acid system a moisture laden sulphur dioxide gas by the reduction of SO_4 compounds, including a portion of the acid produced in the system, in the presence of an excess reducing agent, passing the gas through a condenser maintained at a temperature below the boiling point of water, passing the gases from the condenser, admixed with sufficient oxygen-containing gas for the contact sulphuric acid process, through a dehydrator irrigated with strong sulphuric acid produced in the system, passing the dehydrated SO_2 gas through a contact sulphuric acid process, absorbing the SO_3 produced in sulphuric acid fed by a portion of the dehydrator acid, and passing sufficient of the dehydrator acid to the point in the system where the SO_4 compounds are being reduced so that all the water will be liberated and removed by the condenser over and above that required in the absorber to produce a product acid of the desired strength.

2,001,360
TRASH BURNER
Howard H. Heuston, Boulder, Colo.
Application September 8, 1931, Serial No. 561,620
2 Claims. (Cl. 110—17)



1. A trash burner comprising, in combination, an ash pit having a top opening therein, a sleeve depending from said opening, and a container within the sleeve depending from the sleeve, the sleeve and container having alined openings for the deposit of non-combustible rubbish into the ash pit without removing the container.

2,001,361
ELEVATOR SAFETY APPARATUS
Frederick Hymans, Larchmont, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application November 21, 1934, Serial No. 754,011
11 Claims. (Cl. 187—80)

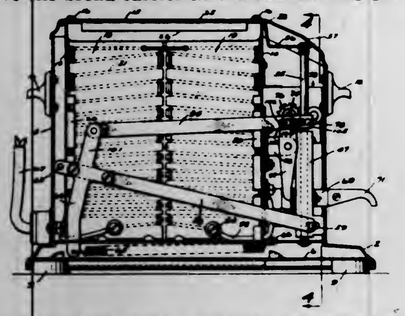


1. Elevator safety equipment for a movable body in the hatchway of an elevator installation, comprising; mechanism, including a safety brake on said body, for stopping said body under emergency conditions, said mechanism also including an actuating device on said body movable from its normal, non-safety-applying position to a position causing application of said safety brake; a sheave mounted at the top of said hatchway; a loop of rope extending throughout the height of said hatchway and closed upon said body, the upper bight of said loop of rope passing over said sheave with the end of the rope in the upper bight operatively connected to said actuating device, and with the end of the rope in the lower bight secured to said body; a second sheave mounted at the bottom of said hatchway and around which the lower bight of said loop of rope passes; means maintaining said rope in tension; and weighted means on said body connected to the end of said rope in the upper bight so that at least a portion of the weight of said weighted means is supported by said rope, the balance of the weight of said weighted means being supported by said body and serving to maintain said weighted means and the end of said rope in the upper bight in fixed relation to said body during normal service conditions of operation of said movable body, said weighted means, upon abnormal downward acceleration of said movable body, moving downwardly at an acceleration less than that of said movable body so that the end of said rope in the upper bight moves upwardly relative to said body thereby to move said actuating device from its non-safety-applying position to its position causing application of said safety brake.

2,001,362
TOASTER
Murray Ireland, Minneapolis, Minn., assignor to Waters-Genter Company, Minneapolis, Minn., a corporation of Minnesota
Application March 19, 1930, Serial No. 437,071
17 Claims. (Cl. 219—19)

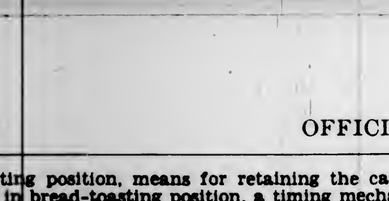
1. A toaster including a movable bread carrier, means normally urging said carrier into non-

toasting position, means for retaining the carrier in bread-toasting position, a timing mechanism automatically operable to actuate said retaining means after a predetermined toasting interval to permit the bread carrier to move to non-toasting position, an operating member adapted upon movement in one direction to move the bread carrier into bread-toasting posi-



tion and render said mechanism operative, and means made operable by reverse movement of said member independently of said timing mechanism and said bread carrier, to thereby render said retaining means inoperative, whereby the bread carrier is returned to non-toasting position independently of said timing mechanism.

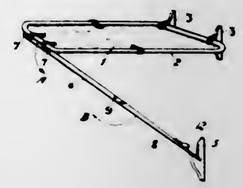
2,001,363
FLASH LIGHT
Carl F. Joers, Los Angeles, Calif.
Application May 22, 1933, Serial No. 672,262
3 Claims. (Cl. 240—10.66)



1. A flash-light including a hollow cylindrical rubber body having an open and a closed end, a segmental terminal partly imbedded in said body adjacent its open end, a battery in said body, a lamp frame having an annular rim in contact with said terminal, a lamp in said frame, a metal casing on the exterior of said body that has its edge portion embedded therein, a metal strip connecting said segmental terminal with a terminal within said casing, another metal strip connecting said casing with an end of said battery to complete an electrical circuit through said lamp, and a push button slide in said casing for opening and closing the circuit through said lamp, said flash-light constructed so that the longitudinal and radial tension of said body holds the interior parts together.

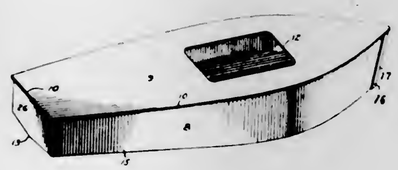
2,001,364
FOLDING SUPPORT FOR FOLDING TABLES
Herman Larsson, Hedemora, Sweden
Application September 25, 1933, Serial No. 690,904
In Sweden February 16, 1933
1 Claim. (Cl. 311—19)

A foldable support for folding tables comprising in combination a frame, two holding devices hingedly connected at one side of said frame and adapted to be attached to a wall, two stays hingedly connected at one end one near each corner of the side of said frame opposite said holding devices, said stays converging towards the other ends, a central stay hingedly connected



at one end to the convergent ends of said first mentioned stays, a fork on the other end of said last mentioned central stay and a support adapted to be fixed on the wall below and in a plane intermediate of said holding devices to engage said fork to maintain the frame in the horizontal position.

2,001,365
MINIATURE OR TOY BOAT
Frank L. Lindstrom, Bridgeport, Conn.
Application December 13, 1933, Serial No. 702,219
1 Claim. (Cl. 9—6)

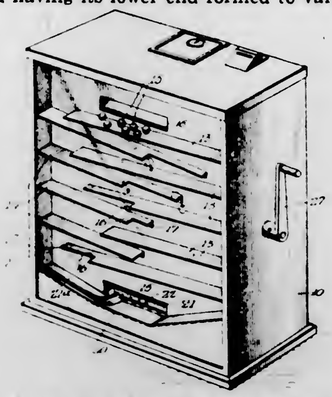


A toy boat comprising a hull made of a single sheet metal blank bent to form a relatively flat bottom, a bow, stern and sides, the top edges of the said sides and back being disposed out at substantially a right angle, and a sheet metal deck attached to the hull by having its edges turned down under and swedged to the angularly disposed edges of the sides and back, the stern having a back formed at a right angle to the sides and bottom and having corner portions that are formed by folding in the corner portions of the sheet metal blank from which the hull is formed, and disposed flat against the inner wall of the stern portion of the boat.

2,001,366
GAME
Benjamin E. Mittelman, Chicago, Ill.
Application February 23, 1933, Serial No. 657,955
8 Claims. (Cl. 273—144)

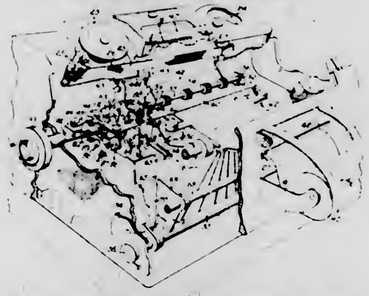
1. In a game, the combination of a case, a series of rolling tokens, a series of downwardly inclined runways arranged successively to receive the tokens from one another, one of the runways being wider than the tokens to permit them

to assume different transverse positions thereon, and having its lower end formed to vary the



length of the run of the tokens thereon when they run on different transverse portions.

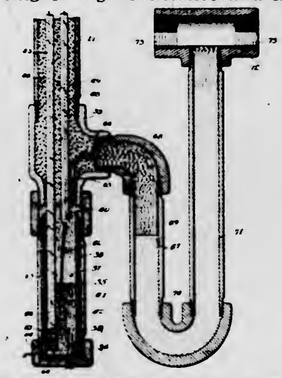
2,001,367
TALLY ROLL MECHANISM
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application September 23, 1931, Serial No. 564,570
20 Claims. (Cl. 235—58)



1. A calculating machine having a platen, a printing mechanism, means for supporting and guiding a tally strip between said platen and printing mechanism, tally strip feed rolls normally separated from said tally strip so as to enable said tally strip to be freely moved relative to said rolls, and means acting automatically during operation of said calculating machine to cause said tally strip feed rolls to momentarily engage said tally strip and move it, said rolls returning to separated position as the operation of said machine is completed.

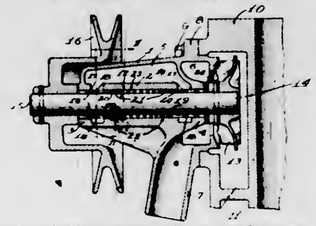
2,001,368
FLUID PRESSURE INDICATOR
Clifford Older, Wilmette, Ill.
Application May 10, 1930, Serial No. 451,502
1 Claim. (Cl. 201—55)

In a fluid depth indicator, a housing made of standard pipe fittings comprising a first pipe fitting with a T fitting, said T fitting being joined by a nipple to a second lower pipe having a lower cap and forming a reservoir, an elbow joined to said T fitting and extending downwardly, a downwardly extending pipe carried by said elbow, a U fitting secured thereto and an upwardly extending pipe secured to said U fitting, a pair of electrodes mounted in the first-mentioned pipe and secured by a cementitious filling therein, a body of mercury in said reservoir, said reservoir having an insulating lining, one of said electrodes being enclosed in an insulating tube, and the other of said electrodes being exposed in said mercury, one of said electrodes being of high resistance and immersible



in the mercury at depths varying in accordance with the pressure of the liquid the depth of which is to be indicated, resilient means for drawing both of said electrodes taut, a fluid lighter than the liquid of which depth is to be indicated filling said reservoir and extending over into said elbow and the pipe depending therefrom, the balance of said pipes, extending downward and upward, being filled with the fluid the depth of which is to be indicated.

2,001,369
CIRCULATING PUMP
Carl A. Ruesenberg, Rockford, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 4, 1931, Serial No. 534,803
10 Claims. (Cl. 103—111)



1. A circulating pump in a cooling water system, said pump comprising a casing with cylindrical end sections, a shaft housing spaced from and aligned with said end sections, bushings in said end sections and bridging the spaces between the same and said housing, a compressed spring in said housing, packing means in said housing between the spring and said bushings, means for retaining said bushings in said sections, a shaft in said sections and housing and journaled in said bushings whereby said casing is rendered substantially fluid-tight, a semi-solid lubricant carried in said casing, and means for feeding said lubricant to the journaled portions of the shaft in proportion to the requirements of said portions.

2,001,370
STOCKING TOE
Robert B. Schindler, Spring City, Pa.
Application May 13, 1933, Serial No. 670,839
2 Claims. (Cl. 66—187)



1. A stocking consisting of a knitted welt section, a knitted leg section and a knitted toe section, the toe section including a plain solid knit toe patch and an open work panel in the top of the toe section directly behind said toe patch, said panel consisting of a plurality of transferred loops forming openings in the panel and giving increased elasticity thereto and a pair of non-run courses extending along the coursewise edges of said panel and including spread loops each interlocking with a pair of knitted wales.

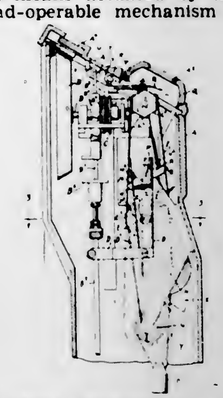
2,001,371
CONFECTION
Rudolph G. Thoke, La Grange, Ill., assignor to Hydrox Corporation, Chicago, Ill., a corporation of Delaware
Application March 28, 1933, Serial No. 663,152
7 Claims. (Cl. 99—16)



1. As a new article of manufacture and in combination, a cone formed of edible frangible material, an auxiliary frusto-conical separate member formed of infrangible and inedible sheet material arranged adjacent the upper portion of said cone with one edge contacting closely therewith, so as to define an inverted frusto-conical space in prolongation of the space within said cone, and a frozen comestible substantially filling said cone and said member, said comestible having been solidified therein.

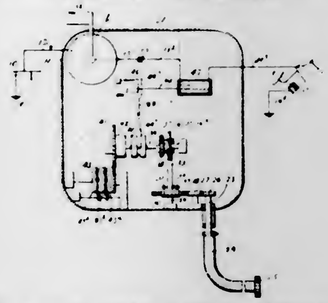
2,001,372
DISPLAY APPURTENANCE TO WEIGHING MECHANISM
Hughes C. Turner, New York, N. Y., and Howard Roy Stacks, Detroit, Mich.; said Stacks assignor to said Turner
Application October 14, 1933, Serial No. 693,620
4 Claims. (Cl. 40—28)

1. In combination with a load-operable mechanism, means for effecting the successive display of a variety of prepared messages synchronously with the operation thereof, comprising a pair of storage drums, a message-bearing strip adapted to be unwound from one of said drums as it is rolled upon the other of said drums, a display drum over which the intermediate portion of said strip passes on its way from one to the other of said drums, said display drum being positioned observedly adjacent a selected point relatively to the probable location of the user's eye, means actuated by the movement of the load-operable mechanism whereby the



movement of the strip through a predetermined distance along its length is contemporaneously effected, and means rendered active by the engagement thereagainst of selectively located projecting appurtenances upon the strip whereby a reversal in the direction of movement of the latter is automatically effected.

2,001,373
REGISTERING MEANS FOR TAXIMETERS
Abraham Weiss, New York, N. Y., assignor to Edward Weiss, New York, N. Y.
Application December 17, 1930, Serial No. 502,950
2 Claims. (Cl. 235—30)



2. In a motor vehicle having a passenger compartment, an accelerator pedal, a flag controlled taximeter, a source of electric power whose circuit includes a switch operated by the flag of said taximeter and adapted to be closed when said flag is in non-registering position, a second switch adapted to be closed when said passenger compartment is occupied and a third switch adapted to be closed by the depression of said accelerator pedal, mileage registering means adapted to be operated from a rotatable part of said vehicle, means for controlling the operation of said registering means including two elements displaceable relative to one another and of which one is operatively connected to said registering means, rocking means coupled to the other of said elements and electro-magnetic means controlled from said electric source and adapted to

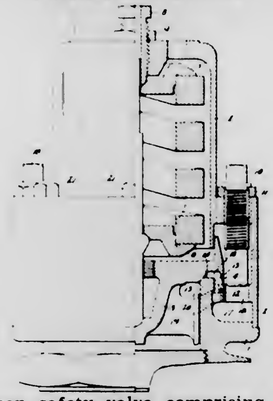
be energized when said first two named switches are closed and to actuate said rocking element so as to engage said two elements with one another to render said registering means operative.

2,001,374
THREAD GUIDE FOR WINDING MACHINES
Abraham Amel, Pawtucket, R. I.
Application September 20, 1933, Serial No. 690,189
2 Claims. (Cl. 242—157)



1. A thread guiding means for winding machines comprising a body having upstanding portions spaced from each other and provided with aligned recesses for the reception of a shaft member, a circumferentially grooved guide pulley located between said upstanding portions, a shaft member located within the aligned recesses and rotatably supporting said guide pulley, and resilient means carried by said shaft for frictionally engaging a portion of said body to hold the shaft against accidental separation from the body.

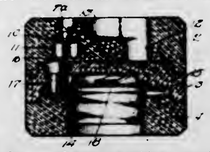
2,001,375
POP SAFETY VALVE
Harry S. Baker, Arlington, Mass., assignor to The Ashton Valve Company, Cambridge, Mass., a corporation of Massachusetts
Application October 22, 1930, Serial No. 490,510
5 Claims. (Cl. 137—53)



5. A pop safety valve comprising an upper seat; a base; a lower seat on said base and engaging said upper seat; a head bolted to said base; and pop regulators and seats therefor carried by said head, the last-mentioned seats being integral with said head.

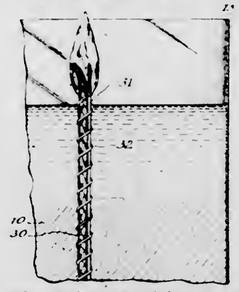
2,001,376
SERIES SOCKET WITH RENEWABLE ELEMENTS
Reuben B. Benjamin, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois
Application April 14, 1930, Serial No. 443,937
5 Claims. (Cl. 173—344)

1. A high voltage series socket construction comprising a three-part insulating base including upper, intermediate and lower coaxial cylindrical portions, anchorage nuts, two wiring terminals and two blade-engaging contacts all mounted on the upper base portion, said wiring terminals being accessible for wiring from the lower side of said base portion, a shell contact, a center contact and two contact-engaging blades all mounted on the intermediate base portion, the lower base portion having a central recess to receive the shell contact, and screws spaced about the shell contact and extending



through the lower base portion and intermediate base portion and threaded into said anchorage nuts for securing the lower base portion and the intermediate base portion and the parts carried thereby to the upper base portion, said screws being accessible for operation from the lower side of the lower base portion and said center contact and its corresponding blade having juxtaposed base portions and a screw extending through said intermediate base portion and the base portion of the center contact and threaded into the base portion of the blade.

2,001,377
CANDLE WICK
Albert T. Candy, Jr., Oak Park, Ill., assignor to Candy & Company, Inc., Chicago, Ill., a corporation of Illinois
Application February 5, 1934, Serial No. 709,721
10 Claims. (Cl. 67—22)

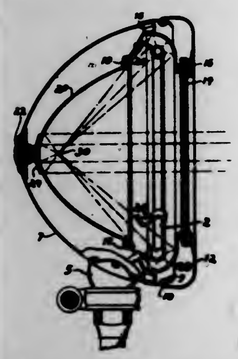


1. A candle wick comprising a self-consuming fabric wick, a reinforcing strip extending thereabout externally thereof, and a fine wire, fusible at the temperature at the base of the flame, openly wrapped about the fabric wick and strip for holding them together.

2,001,378
AUTOMOBILE HEADLIGHT
James E. Cornwall, Detroit, Mich.
Application November 9, 1933, Serial No. 697,251
2 Claims. (Cl. 240—41.1)

1. An illuminating device comprising a dished exterior casing having an open mouth and a substantially parabolic reflector therein, and axially movable within the casing and having its free edge terminating short of the mouth of the casing, means for moving the parabolic reflector axially, an annular supporting member arranged within and substantially at the mouth of the casing, a bearing portion carried by said

supporting portion and slidably supporting and interfitting with the free edge of the parabolic reflector, a substantially annular luminable tube carried by said supporting member adjacent the free edge of said reflector, another reflector of generally partly toroidal form carried by and interfitting with the opposite end of said supporting member and projecting between the tube and open mouth of the casing, said last mentioned reflector being so disposed as to cast light from the tube toward the focal point of the parabolic reflector, and the latter being arranged to throw such light out the open mouth of the casing, a transparent plate tightly connected to said partly toroidal reflector and to the casing and completing separate enclosure of the space within said reflectors and supporting member and also closing the open mouth of the exterior casing.



2,001,379
SERIES SOCKET WITH REMOVABLE ELEMENTS
Raymond W. Corwin, Haddonfield, N. J., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois
Application May 5, 1930, Serial No. 449,781
5 Claims. (Cl. 173—344)



1. An electric lighting fixture comprising three sections with one section lying between the other two, wiring terminals attached to one of the outer sections and connected to spring contacts carried in said outer section, a center contact attached to the inner section and a shell contact adapted to receive a lamp, attached to the other outer section, contact blades secured to the center and shell contacts for engaging with said spring contacts, said contact blade secured to said shell contact passing through an opening in said inner section whereby said outer section carrying said shell contact and contact blade secured thereto may be detached from said socket without affecting the other two sections, and means for fastening the three sections together.

2,001,380
SALTS OF KETO AROMATIC ACIDS
Lloyd C. Daniels, Crafton, and Alphons O. Jaeger, Mount Lebanon, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application December 9, 1930, Serial No. 501,073
1 Claim. (Cl. 260—11)

Salts of ketoaromatic acids having the formula

$$(R—CO—R'COO)_yM$$

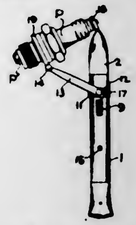
in which R is an aromatic and R' is an aliphatic radical, and M is any salt-forming metal having a valence of 3 or higher, and y is a number corresponding to the valence of the metal.

2,001,381
CONSTRUCTION OF RUGS OF PILE FABRICS
Charles Herbert Davison, Princeton, N. J.
Application August 29, 1934, Serial No. 741,978
7 Claims. (Cl. 28—1)



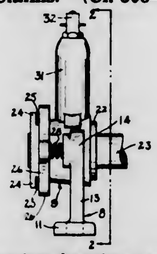
1. The method of forming rugs of Axminister pile fabric which consists in weaving said fabric with successive areas thereof provided with pile, and with spaces between said areas devoid of pile; the adjoining areas being connected solely by binding warps; severing said fabric intermediate of said spaces devoid of pile; bending back the severed ends of the binding elements upon the back of the fabric opposite to the pile and securing said ends by elastic adhesive so that the end wefts of the fabric are thus bound in the fabric; and covering said bent back ends with a flat band of tough material extending along said edge coextensive with the bights of the bent back binding warps and secured by said adhesive.

2,001,382
TESTING IMPLEMENT FOR SPARK PLUGS AND IGNITION
Harold J. Faltico, Spokane, Wash.
Application April 27, 1934, Serial No. 722,674
2 Claims. (Cl. 175—183)



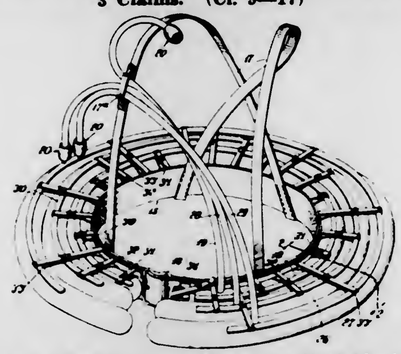
1. In a spark-plug testing implement, the combination with a holder having a contact-cap mounted thereon, of an exterior gap-band mounted on the holder and having a gap-point adjacent the cap, a foldable conductor arm of resilient material pivotally mounted on said band, said holder having an exterior socket, and a head on the free end of the arm adapted to engage in said socket when the arm is in active position.

2,001,383
SELF-ALIGNING BEARING
Edward A. Freed, Moline, Ill.
Application June 2, 1934, Serial No. 728,742
5 Claims. (Cl. 308—72)



1. A self aligning bearing comprising a supporting bracket, a yoke formed on said bracket, a beveled surface around the edge of said yoke on one face thereof, a tapered bearing sleeve supported in said yoke and engaging said beveled surface, and resilient connecting means between said sleeve and said yoke, whereby said sleeve is held in yielding engagement with said yoke in any position in which said sleeve is adjusted relative to said yoke.

2,001,384
PNEUMATIC LIFE BELT
James D. Garvey, Chicago, Ill.
Application December 24, 1932, Serial No. 648,788
3 Claims. (Cl. 9—17)



1. A life belt comprising an adjustable belt adapted to fit about the waist of the user; an elongated inflatable tube disposed about said belt and provided with an inflating tube; means for reducing the length of said inflatable tube in keeping with the adjustment of said belt consisting of a disc provided with an opening having a beaded perimeter for passage of the end of said tube therethrough before inflation and lacing secured to said disc adapted to receive the folded non-inflated end of the tube therebeneath; and means whereby said tube is secured to said belt.

2,001,385
ELECTROLYTIC DEPOSITION OF NICKEL FROM NICKEL SALT SOLUTIONS
Anton Martin Grönningsæter, New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada
No Drawing. Application August 15, 1933, Serial No. 685,224. In Norway August 27, 1932
3 Claims. (Cl. 204—14)

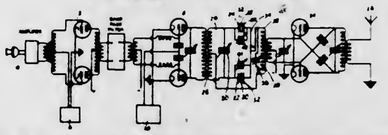
1. In the electrolytic refining of nickel when using deposition of nickel on nickel starting sheets, the method which consists in subjecting the starting sheets prior to being introduced into the electrodeposition cell to the action of dilute acid of sufficient strength to effect dissolution of basic nickel compounds on the surface of the sheets but so dilute as not to attack to any appreciable extent the metallic nickel even when left in contact with the metal for several hours.

2,001,386
CARRIER FOR LAUNDRY ASSORTING MACHINES
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application November 3, 1932, Serial No. 641,110
6 Claims. (Cl. 105—154)



1. A carrier for the purpose described comprising a rail-receiving part of U-form with rail-engaging lugs inwardly extending from the ends of the U side members, and a box part at the base of the U with an open end and a downwardly-opening slot leading therefrom, to receive and retain a laundry identification clip.

2,001,387
FILTER
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 24, 1931, Serial No. 564,770
6 Claims. (Cl. 178—44)

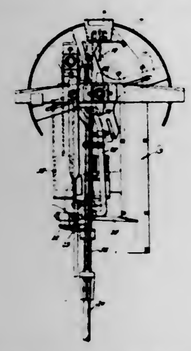


3. A band pass filter arrangement comprising a pair of systems each having the resonant characteristic of a tuned electrical circuit, the systems being so dimensioned that their resonant characteristics overlap, a connection having appreciable impedance connected between two ends of said systems, a low impedance connection connecting together the other two ends of said systems, and an alternating current circuit connected between an intermediate point on said connection having appreciable impedance and a point on said low impedance connection, said arrangement passing electrical currents of substantially equal intensity throughout the range of frequencies including and between the resonant frequencies of said systems.

2,001,388
COIN OPERATED WEIGHING SCALE
Leonard O. Kelley, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a corporation of Michigan
Application April 22, 1932, Serial No. 606,863
7 Claims. (Cl. 194—35)

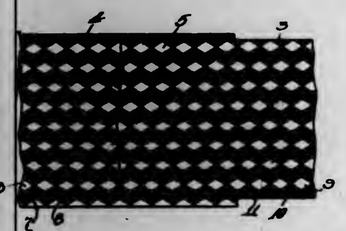
1. Safeguarding means for use in conjunction with a weighing scale provided with load counterbalancing means, weight indicating means and a

connecting rod assembly formed in a plurality of separable sections, in which said rod assembly extends between said means and is adapted to act in tension to operate the weight indicating means, a latch member for securing certain of the sections together to enable transmission of



tensile stress therethrough, means for releasing the latch member to destroy the effectiveness of said rod assembly in tension, and means including a cam for forcing certain sections together and into latching position upon movement of the assembly in one direction.

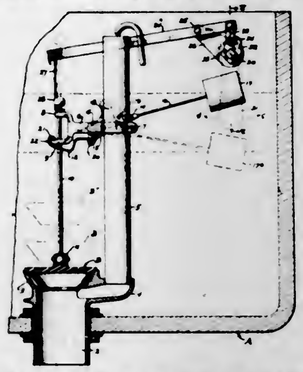
2,001,389
PROCESS OF MAKING TRANSPARENT FILM MATERIAL
Edouard M. Kratz, Gary, Ind., assignor, by mesne assignments, to Marbo Products Corporation, Chicago, Ill., a corporation of Delaware
Application May 14, 1932, Serial No. 611,329
6 Claims. (Cl. 18—57)



1. The method of forming sheet material having an ornamental design, which comprises printing upon a smooth surface by an offset process to form designed portions of a different finish from the original finish of said surface without indenting said surface; coating a solution capable of forming a sheet material upon said surface, and stripping the resulting sheet material off of said surface with said designed portions reproduced on said sheet material, the finish remaining on said smooth surface after the stripping step.

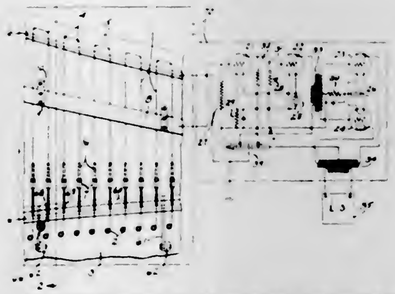
2,001,390
FLUSHING VALVE MECHANISM
Warren A. Lester, Oakland, Calif.
Application July 7, 1934, Serial No. 734,176
5 Claims. (Cl. 4—67)

1. In combination with a flush valve having a stem and a bracket to receive and guide said stem, a pivoted clutch member having a hole formed therein and embracing the stem in a manner to



retain the valve in a partially opened position, and means to release said clutch member.

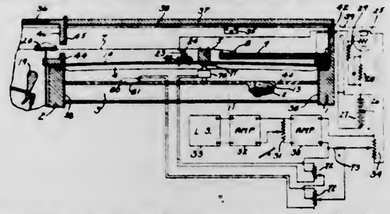
2,001,391
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Original application May 4, 1931, Serial No. 534,849. Divided and this application November 4, 1932, Serial No. 641,161
3 Claims. (Cl. 84—1)



1. In combination in a musical instrument, a plurality of tuned vibrators; selectively operable impulse exciting means therefor; a mechanico-electro-acoustic translating system for translating from said vibrators substantially the entire output sound of said instrument, said system having portions in spaced relationship to said vibrators and operating in accordance with vibratory variation of such spaced relationship, whereby said vibrators are substantially isolated from acoustic impedance; and mechanical impedance means coupled to said vibrators for reflecting thereinto mechanical impedances to simulate reflected acoustic impedance.

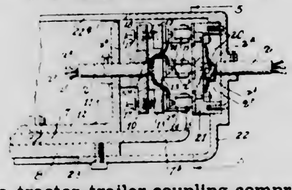
2,001,392
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application December 14, 1932, Serial No. 647,154
10 Claims. (Cl. 84—1)

1. The combination with a musical instrument including a plurality of tuned vibrators and a resonator coupled thereto and adapted to radiate sound in accordance with their vibrations, of means for producing electric oscillations in accordance with said vibrations; an electro-acoustic system for amplifying said oscillations and translating the same into sound, said system including and terminating in a diaphragm directly coupled to air external of said instrument; and a plurality of selectively adjustable control means



associated with said instrument and electro-acoustic system, whereby a variety of qualitatively different sounds may be produced at will, said control means comprising means included in said electro-acoustic system for varying the amplitude of said oscillations, and means borne by said instrument for varying the efficiency or radiation from said resonator.

2,001,393
ELECTRICAL CONTACT FOR ARTICULATED VEHICLES
Anthony W. Molinare, Forest Park, Ill., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Original application October 28, 1931, Serial No. 571,524. Divided and this application October 30, 1933, Serial No. 695,838
5 Claims. (Cl. 280—33.1)



1. In a tractor-trailer coupling comprising upper and lower fifth wheel parts adapted to be coupled and uncoupled by relative horizontal movement, electrical connector means comprising an arcuate contact member carried by one of said fifth wheel parts outside the area of their bearing contact and above the plane of such bearing contact, and a cooperating contact member carried by the other fifth wheel part, said contact members having substantially vertical surfaces which are brought into abutting engagement by movement of the fifth wheel parts into their coupled pivotal relation, the arcuate form of the one contact being concentric with the axis of said pivotal relation.

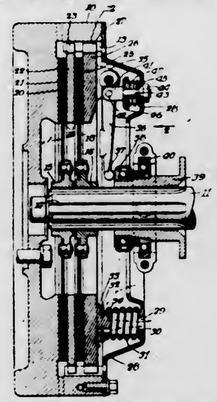
2,001,394
FIRE EXTINGUISHER
Carl A. Norgren, Denver, Colo.
Application October 26, 1931, Serial No. 571,137
10 Claims. (Cl. 169—31)

8. In a fire extinguisher, a container having a discharge nozzle, a casing having a rupturable wall portion within the container, manually operable means for opening communication between the container and the casing through said rupturable wall portion, and a spring plate releasably engaged with the manually operable means and with the nozzle to effect closure of the same, said spring plate and said manually operable means being arranged to effect release of the spring plate from said manually operable means and from said



nozzle upon opening of the casing by movement of said manually operable means.

2,001,395
CLUTCH
William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application February 17, 1932, Serial No. 593,444
9 Claims. (Cl. 192—69)

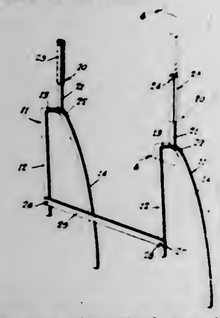


1. In a clutch, the combination with a friction plate attachable to a rotary part, a pair of gripping members connectible to a second rotary part and disposed on opposite sides of said plate, one of said members constituting a floating plate movable axially relative to the other member, and springs for maintaining the driving engagement of said members and friction plate, of unloading mechanism for releasing said engagement comprising levers rockably mounted on said floating plate, a cover plate secured to said other gripping member, fulcrum rods rockably mounted at one end on said cover plate and connected at the other end to said levers, and means for operating said levers.

2,001,396
HEADREST FOR MOTOR VEHICLES
Harry E. Pumphrey, Pasadena, Calif.
Application July 13, 1934, Serial No. 734,934
3 Claims. (Cl. 155—174)

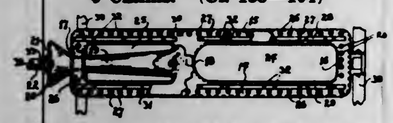
1. In a device as described, a pair of clamps each having a rear and a front strap connected

by a top piece, said straps being resilient and tensioned to resist spreading, said straps being adapted to engage the rear and front face, and the top edge of a seat back, a spacing means for the clamp, each clamp having a vertical post adjacent its top, and a headrest device secured to each post, each post having a lower section and an upper section U-shaped in cross section pivoted to the upper end of the lower section, the U-shaped section being adapted to encase part of the lower section or to be turned upwardly into alignment therewith.



2. In a device as described, a sack having front, back and end walls, and a bottom, and open at the top, vertical pockets at the ends, and means fitting in said pockets adapted to secure the sack on a seat back with the bottom resting on the upper edge of the seat back.

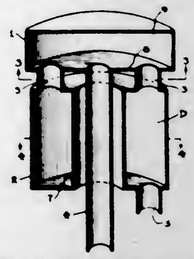
2,001,397
BURNER FOR GAS HEATED RADIATORS
William T. Rasch, New York, N. Y., assignor to American Gas Products Corporation, New York, N. Y., a corporation of New York
Application September 9, 1930, Serial No. 480,764
5 Claims. (Cl. 158—104)



1. A burner for gas heated radiators, embodying therein means forming a looped mixing chamber having nipples projecting from the top thereof along one edge of the opposite sides and the opposite ends thereof, said nipples having burner openings therethrough, a distributing chamber communicating with opposite sides of said mixing chamber between and remote from the ends thereof, hollow ribs projecting from the top of opposite sides of said mixing chamber adjacent said nipples and extending from points adjacent said distributing chamber to adjacent the opposite ends of said mixing chamber, said ribs having openings therethrough remote from said distributing chamber, and a mixing tube discharging into said distributing chamber, an air shutter mounted adjacent the mouth of said mixing tube and a fitting carrying a jet nozzle projecting from said air shutter and discharging into said tube.

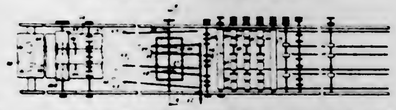
2,001,398
AIR DEFLECTOR AND WATER CIRCULATOR
Alfred W. Ravening, West Springfield, Mass.
Application April 4, 1933, Serial No. 664,406
5 Claims. (Cl. 122—4)

3. A combined air deflector and water circulator comprising an annular lower water compartment having an air passage therethrough, an upper water compartment spaced a short distance above the lower compartment and disposed over



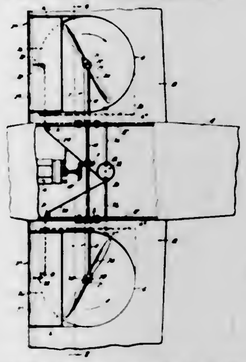
the air passage of the lower compartment to deflect up coming air radially, and water columns connecting the upper and lower compartments.

2,001,399
MACHINE FOR MAKING SHINGLES
John Andrew Scharwath, Jersey City, N. J.
Application December 10, 1932, Serial No. 646,608
19 Claims. (Cl. 91—15)



5. An apparatus for making shingles which comprises means for heating the shingle material along a line, means for applying adhesive, a plurality of pairs of rolls, one of each pair having a flange and the other having a conical surface, and a folding plate interposed between adjacent pairs of rolls, said rolls and plate being arranged to fold said material gradually and successively.

2,001,400
AEROPLANE
George Adams Shamberger, Shaw, Oreg.
Application February 26, 1934, Serial No. 712,911
2 Claims. (Cl. 244—15)



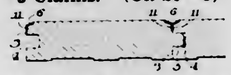
1. In an aeroplane including a fuselage and a wing having spaced upper and lower surfaces with vertically aligned openings therethrough, and including a helicopter propeller operatively mounted within the wing between the said openings thereof, the combination of upper and lower covers hinged to the margins of the wings and adapted to open and close outwardly over said openings, and means for simultaneously opening and closing the said covers.

2,001,401
FASTENING DEVICE
Philip Sidney, Jersey City, N. J.
Application September 16, 1932, Serial No. 633,411
4 Claims. (Cl. 24—112)



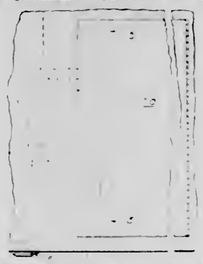
3. A fastening device comprising a hollow body member formed with an inwardly extending upper flange, a manipulating member rotatably and slidably secured to said body member for projection and retraction with respect thereto, said manipulating member being formed with an upper flange portion normally spaced from said body member and being additionally provided with a plate normally underlying and engaging the inner surface of the upper flange of said body member to limit the upward movement of said manipulating member, and a pin member fastened to said manipulating member and normally positioned within said hollow body member but being capable of projection beyond said body member when said upper flange portion of said manipulating member is advanced into contact with said body member.

2,001,402
FLOOR BOARD
Paul R. Weitzel, Newtown, Pa.
Application November 4, 1932, Serial No. 641,130
3 Claims. (Cl. 20—6)



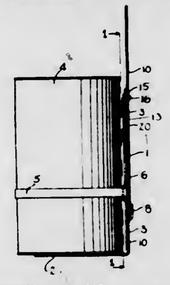
1. As a new article of manufacture, a wooden board having charred portions forming borders on its top surface extending along its longitudinal edge portions and contrasted with portions of the board between such borders and continuing down the adjacent portions of the longitudinal sides of the board, said borders being depressed below the top surface of portions of the board between such borders.

2,001,403
REFRIGERATOR DOORLOCK
Leroy E. Williams, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Application March 24, 1933, Serial No. 662,476
6 Claims. (Cl. 70—74)



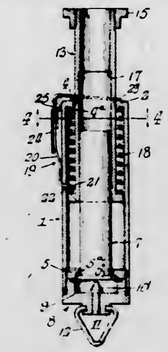
2. In a refrigerator, in combination, cooperating closure parts including a hinged door and its jamb; locking means comprising cooperating elements on the door and jamb respectively, one of said elements being rotatable into and out of engagement with the other; a shaft carried by one of said cooperating closure parts between the planes of its inner and outer surfaces for rotating the locking element on said closure part into and out of said engagement; a wheel on said shaft adjacent one end thereof; means on said closure part arranged to engage said wheel against rotation of the shaft in the direction for disengagement of said locking elements when the door has been closed, and means operable at will exteriorly of the refrigerator for effecting said disengagement.

2,001,404
CARD HOLDER AND DISPLAY STAND
Elliott S. Yancey, Houston, Tex.
Application May 15, 1933, Serial No. 671,162
12 Claims. (Cl. 40—10)



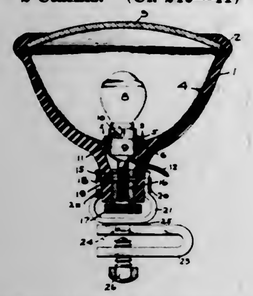
5. In combination with a card holder, a lock to retain a card in fixed position on the holder comprising a pin passed thru the card and the card holder with the pin head drawn down against the card, and means to receive said pin to latch it in locking position.

2,001,405
GAS CARTRIDGE FIRING DEVICE
Scott M. Abbott, Chicago, Ill.
Application September 28, 1932, Serial No. 635,214
8 Claims. (Cl. 42—2)



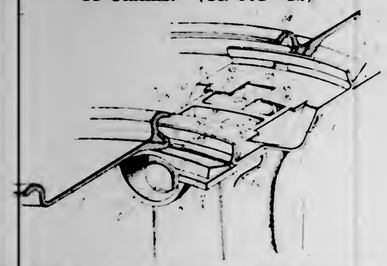
1. In a device of the kind described, a casing, a barrel partway withdrawable from and retractable into one end of said casing, means providing an external annular shoulder on said barrel positioned beyond said end of said casing when said barrel is so partway withdrawn therefrom, means movable transversely of said end of the casing for releasably engaging said shoulder, and means associated with fixed parts of said casing and barrel and operating when said barrel is thus released to cause a forceful retraction thereof into said casing.

2,001,406
PORTABLE ELECTRIC LAMP
John W. Akers, Clarkston, Wash.
Application May 25, 1934, Serial No. 727,423
2 Claims. (Cl. 240—41)



1. The combination in an electric lamp with a reflector and a socket sleeve rigid therewith, a casing for the reflector and a resilient neck carried by the casing, of a lamp and its socket, said socket having a pair of exterior, longitudinally extending ribs fitted in and slidable in a pair of complementary grooves of the socket sleeve, a screw rigid with and extending rearwardly from the socket, a threaded nut on the screw within the neck, an exterior retaining ring on the nut engaged in a complementary groove in the neck, and an operating-head on the nut at the rear end of the neck.

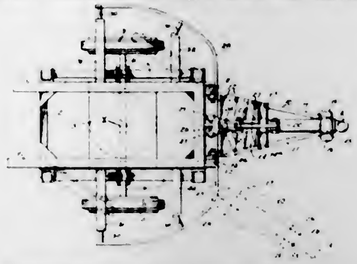
2,001,407
SPACER MEANS FOR DUAL WHEELS
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 22, 1932, Serial No. 648,423
11 Claims. (Cl. 301—12)



11. A spacer block adapted to be disposed between the rims of a felloe-less dual rimmed wheel, said spacer block comprising a section having marginal portions adapted to contact with the adjacent portions of the rims, and resilient end portions spaced in a circumferential direction relative to the wheel and adapted to engage opposide outer sides of a spoke end of the wheel for the purpose of accommodating relative movement between said rims while maintaining the spacer block in position on said spoke end.

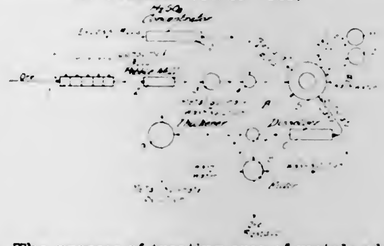
2,001,408
AUTOMATIC EXTENSIBLE DRAWBAR
Robert N. Burton, River Forest, Ill., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Application July 21, 1933, Serial No. 681,411
12 Claims. (Cl. 280—33.44)

1. In a trailer vehicle having a main frame and dirigible wheels associated therewith, draft means pivotally connected to said frame for lateral movement and connected for effecting steering adjustment of said wheels by such movement, said draft means including a draw bar having a



draft member mounted for longitudinal movement in the draw bar, and means arranged to control such longitudinal movement in response to steering movement of the draw bar.

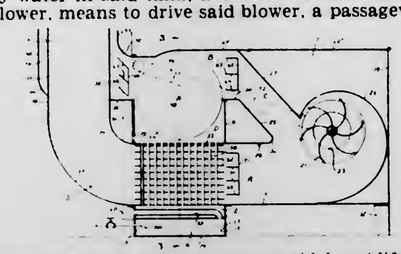
2,001,409
PROCESS OF TREATING ORES WITH SULPHURIC ACID
Niels C. Christensen, Salt Lake City, Utah
Application January 4, 1933, Serial No. 650,200
27 Claims. (Cl. 23—125)



1. The process of treating ores of metals whose sulphates are characterized by a relatively high degree of solubility in water and a relatively low degree of solubility in sulphuric acid of a range of relatively high concentration, which consists in mixing said finely divided ore with a limited excess of relatively concentrated sulphuric acid sufficient in amount to form a fluid mixture with said ore but insufficient to dissolve more than a minor fraction of the sulphates of said metals, and treating said mixture in such manner as to convert said metal in said ore into the sulphate in solid form and to bring said excess of sulphuric acid in said mixture into the range of concentration in which the solubility of said metal sulphate is near the minimum, filtering excess acid away from said treated mixture and forming a filter cake of the metal sulphate particles and ore residue thus formed, and passing water through said cake in such proportion as to remove residual excess acid from said cake in relatively large proportion and metal sulphate in not more than relatively small proportion and leave the much greater part of said metal sulphate in said cake in solid form.

2,001,410
AIR CONDITIONING APPARATUS
Charles B. Cook, Los Angeles, Calif.
Application April 2, 1934, Serial No. 718,619
Renewed April 12, 1935
11 Claims. (Cl. 257—9)

3. In an air conditioning apparatus, a receptacle having a humidifying chamber therein, and having a heat exchange chamber therein, a tank in said air humidifying chamber, said tank having pipes communicating therewith, said pipes passing to said heat exchange chamber, a plurality of spaced members adapted to be wetted by water in said tank, a blower, an inlet to said blower, means to drive said blower, a passageway



extending from said blower to said humidifying chamber, a duct leading from said humidifying chamber, a second passageway leading from said blower to said heat exchange chamber, a second duct leading from said heat exchange chamber, said second duct being disposed within and surrounded by said first duct.

2,001,411
JACK FOR SEMITRAILERS
Durrel H. Davis, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Application July 20, 1931, Serial No. 551,854
2 Claims. (Cl. 280—33.1)

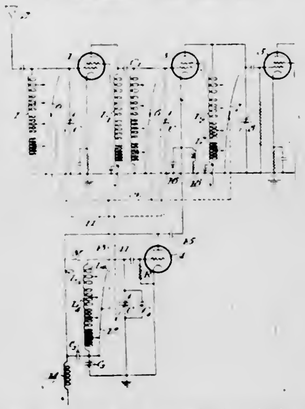


1. In combination with a tractor and a semitrailer detachably coupled thereto, temporary supporting means carried by the trailer adjacent its forward end and adjustable into and out of operative supporting position, an electric motor on the trailer, mechanism through which said motor is connected to the temporary supporting means for adjusting the latter into and out of operative position, a source of electrical energy on one of the vehicle units and a disengageable electric coupling to be disconnected when the vehicles are uncoupled, a reversing switch for said motor, and means cooperating with the said mechanism for actuating said switch when the supporting means arrives at either limit of its range of adjustment, together with a second switch in said circuit located on the tractor and adapted for opening and closing the motor circuit at will.

2,001,412
MANUFACTURE OF CHEWING GUM
Alfred Falk, Munich, Germany
No Drawing. Application March 24, 1933, Serial No. 662,529. In Germany April 19, 1932
1 Claim. (Cl. 99—16)

As a new article of manufacture a chewing gum, comprising a foundation of gum chicle, medicinal and flavouring ingredients of the usual character and an admixture of alpha-dammaroresene, thoroughly mixed with the former ingredients in the proportion of about 0.5–10% of the latter.

2,001,413
VACUUM TUBE OSCILLATOR
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 16, 1932, Serial No. 593,335
7 Claims. (Cl. 250—36)



2. In an oscillator, a tuned circuit including a tapped inductance and a tuning condenser, a second circuit capacitively coupled to said tuned circuit, and means operative only when the tapped inductance is adjusted for resonating at the highest frequency bands to provide a second coupling of substantial magnitude for supplementing said first coupling.

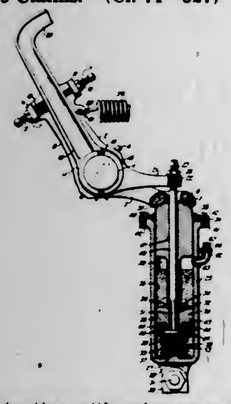
2,001,414
INSECT EXTERMINATOR
William F. Folmer and Harrison L. Chapin, Rochester, N. Y., assignors to Folmer-Chapin Corporation, Rochester, N. Y., a corporation of New York
Application May 9, 1933, Serial No. 670,140
4 Claims. (Cl. 43—112)



1. In an electrified insect exterminator, the combination with a base frame, of a pair of spaced frames together constituting a unit offset therefrom and embodying screens composed of positive and negative high tension wires, high tension electric connections to the respective

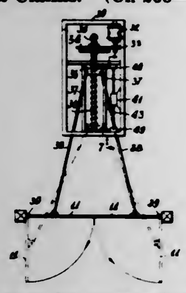
screens, and insulated supports connecting the screen frames to each other and one of them to the base frame, the spacing of the frames being maintained at the bottom to allow insect bodies to fall clear of the base frame.

2,001,415
LEVER LOCK
Walter R. Freeman, Jay, Okla., assignor of one-fourth to John D. Freeman, Tulsa, Okla., and one-fourth to Claude D. Freeman, Dallas, Tex.
Application February 6, 1932, Serial No. 591,425
5 Claims. (Cl. 74—527)



1. In combination with primary and secondary levers, locking means including a cylinder, a piston in the cylinder and yielding means for urging the piston into engagement with the primary lever for locking the primary lever in response to a joint movement of the levers in one direction, and valve means operable in response to release of the secondary lever for permitting return movement of the primary lever.

2,001,416
AUTOMATIC GARAGE DOOR OPENER
James Frezzolini, New York, N. Y.
Application September 14, 1932, Serial No. 633,056
2 Claims. (Cl. 268—33)



1. An operator for garage doors comprising a rectangular frame having a cross piece intermediate the ends thereof, a threaded shaft journalled in said cross piece and in one end of said frame, said shaft extending through said cross piece, a friction clutch mounted on the free end of said shaft, an electric motor mounted in said frame adjacent said clutch, gearing connecting said motor to said clutch to drive said shaft, guide members in said frame extending from said cross piece on opposite sides of said shaft to the end of said frame, a follower having a portion engaging said shaft and in guided relation with said guide members, means connecting said follower to said doors to operate same, means in said frame to control said motor comprising a snap action switch connected to said motor to drive the same in opposite directions located within said frame between one of said guide members and the side of said frame, a bar extending parallel with said shaft and operatively connected with said snap action switch to operate the same, the ends of said bar being bent at right angles to said shaft, and adjustable fingers on the ends of said bent portions of the bar extending into the path of said follower to be engaged thereby to operate said switch.

2,001,417
VACUUM EXTRACTOR
David Gessner, Worcester, Mass.
Application October 30, 1933, Serial No. 695,945
4 Claims. (Cl. 34—48)



4. In an extractor, a vacuum member having a longitudinally extended slot, a continuous section of soft rubber tube overlying each end portion of said slot, fixed supports having openings therein for the outer end portions of said rubber tube sections, and clamping devices effective to hold said tube sections tensioned against said supports, each tube section having a longitudinally extended plug within its outer end portion to oppose the pressure of its clamping device and said plugs and clamping devices increasing the downward pressure of said tube sections on the end portions of said slot.

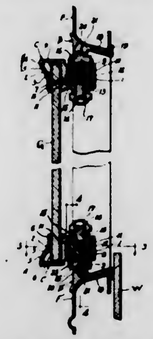
2,001,418
ACRIDONE DIANTHRIMIDE VAT DYESTUFFS AND THEIR PRODUCTION
Ivan Gubelmann and Robert J. Goodrich, South Milwaukee, and William Dettwyler, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, a corporation of Delaware
No Drawing. Application April 30, 1931, Serial No. 534,134
17 Claims. (Cl. 260—37)

1. The process of preparing a 1,2-acridonyl alpha-alpha'-dianthrimide containing halogen in the Bz nucleus which comprises heating an alpha amino anthraquinone with a poly-halogen anthraquinone-1,2-acridone having halogen in the Bz nucleus and in an alpha position on the anthraquinone nucleus.

2,001,419
ANTHRAQUINONE ACRIDONE VAT DYESTUFF
Ivan Gubelmann and Robert J. Goodrich, South Milwaukee, and William Dettwyler, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, a corporation of Delaware
No Drawing. Application April 30, 1931, Serial No. 534,135
8 Claims. (Cl. 260—36)

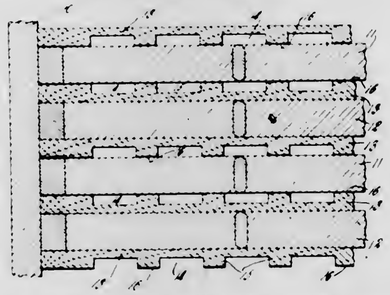
1. In the process of producing a novel dyestuff, the step which comprises condensing a Bz-halogen-1,2-acridonyl-alpha-alpha'-dianthrimide by the aid of an acid condensing agent.

2,001,420
AUXILIARY WINDSHIELD FOR MOTOR CARS
Leo M. Harvey, Los Angeles, Calif.
Application April 18, 1932, Serial No. 605,968
10 Claims. (Cl. 296—84)



1. A windshield comprising a shield, clamps mounted on opposite extremities of said shield, a pair of brackets frictionally attachable to opposite portions of a supporting member, and adjustable attaching devices frictionally connecting said clamps with said brackets respectively, said attaching devices including means for stressing said brackets and holding the same in operative position and additionally holding said shield in adjusted positions for use, said clamps provided with sockets, said attaching devices including expansible barrels held in said sockets, and means for adjusting said barrels to vary the friction between said clamps and said brackets.

2,001,421
BATTERY SEPARATOR
Charles F. Haunz, Buffalo, N. Y.
Application July 21, 1933, Serial No. 681,590
12 Claims. (136—145)

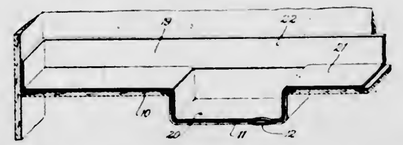


1. A separator for storage batteries, comprising a thin board of wood having portions only of a face thereof coated with a metallic substance.

2,001,422
LIQUID COATING COMPOSITION
Hermann Heckel, Cincinnati, Ohio, assignor, by mesne assignments, to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 1, 1930, Serial No. 432,565
10 Claims. (Cl. 134—23)

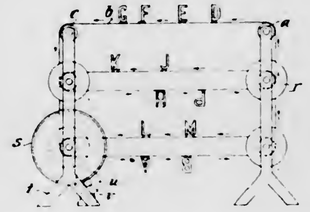
1. An aqueous solution of a water soluble adhesive of the class described, white oil, and mahogany sulphonic bodies in proportions adapted to form a hard but flexible composition upon drying.

2,001,423
SINK AND DRAINBOARD CONSTRUCTION
Albert Horner, Kapaa Kauai, Territory of Hawaii
Application February 13, 1932, Serial No. 592,807
2 Claims. (Cl. 4—189)



1. A covering for drainboards, sinks and the like which comprises a continuous sheet of rubber and re-enforcing material molded to cover the entire working surface of a drainboard and to extend down into and form a complete lining for a sink, the margin of said sheet of material being upturned along certain of its edges to provide a protecting apron for the adjacent wall of a room along which the sink is built.

2,001,424
DISPLAY SIGN
Leonard John Huggett, London, England
Application October 28, 1933, Serial No. 695,584
In Great Britain October 29, 1932
4 Claims. (Cl. 40—32)



1. A display sign incorporating an endless band, a bank of pulleys consisting of two rows, each row comprising a plurality of pulleys arranged side by side on a single shaft, the band passing backward and forwards from one row to the other in a manner such that it passes over consecutive pulleys of the two rows in the course of its traverse from end to end of the bank, and provision for returning the band from one end to the other of the bank of pulleys, the band being adapted to receive characters such as letters or advertisements arranged to upstand therefrom.

2,001,425
PULL CHAIN SOCKET
Frank E. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts
Application November 17, 1933, Serial No. 698,444
5 Claims. (Cl. 173—354)

1. In a device of the character described, the combination of an actuating member, a spring for holding said member in normal position, a pull chain, comprising balls and connecting links, for moving said actuating member against the tension of said spring, a chain guide and means

mounted on said actuating member and adapted, when said actuating member is in normal position,



to project between the two balls of said chain adjacent the inner end of said guide to prevent further inward movement of said pull chain.

2,001,426
BOTTLE CLOSURE
Frank J. Kaps, New York, N. Y.
Application December 4, 1933, Serial No. 700,767
3 Claims. (Cl. 215—43)



1. In a bottle closer, a member for the neck of a bottle and having a substantially cylindrical outer surface connecting with a top flat shoulder from which a threaded portion projects, and a cover for engagement over said member and having a portion threadedly engaging said threaded portion and connecting with a bottom flat shoulder having resilient elements adapted to engage niches upon the top flat shoulder for releasably holding said cover screwed upon said member.

2,001,427
ART OF COLORING ALUMINUM ARTICLES
James Francis Leahy, Fairhaven, Mass., assignor to Atlas Tack Corporation, Fairhaven, Mass., a corporation of New York
No Drawing. Application May 14, 1930, Serial No. 452,525
11 Claims. (Cl. 148—6)

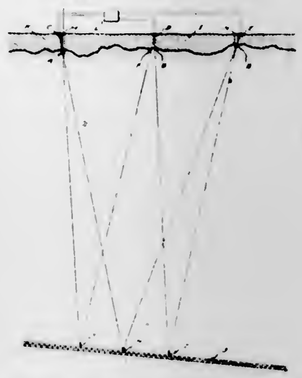
5. A process of coloring oxide-coated aluminum, which comprises treating the oxide-coated surface with a dye solution containing a weakly ionized acid.

2,001,428
STRUCTURAL UNIT
Edward H. McClintock, West Springfield, Mass.
Application August 3, 1934, Serial No. 738,313
6 Claims. (Cl. 189—40)



1. A composite structural unit, comprising, a strip of nailing medium presenting a pair of opposed wedge-shaped portions, a pair of load-bearing angle bars of metal one for each said wedge-shaped portion, each angle bar having the legs thereof engaged one with each of the two faces of its wedge-shaped portion and throughout substantially the entire length thereof and having the corner of the angle bar located adjacent the narrow part of the wedge, and means acting on the angle bars along the corners thereof for drawing said bars together to compress said strip therebetween.

2,001,429
METHOD OF MAKING DIP DETERMINATIONS OF GEOLOGICAL STRATA
Elton V. McCollum, Ponca City, Okla., and George C. McGhee, Eunice, La., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application July 9, 1934, Serial No. 734,268
2 Claims. (Cl. 181—0.5)



1. A method of determining the amount and direction of dip of buried geological strata including the steps of generating vibrations at spaced points below the weathered layer of the earth's surface, and receiving the vibrations after they have traveled through the earth at a point intermediate the vibration generating points.

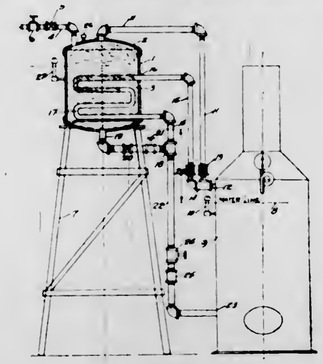
2,001,430
RESINOUS PRODUCT AND PROCESS OF MAKING SAME
Joseph V. Melgs, Hastings upon Hudson, N. Y., assignor to Plastix Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application January 15, 1927, Serial No. 161,468. Divided and this application July 14, 1932, Serial No. 622,458
2 Claims. (Cl. 260—2)

1. In a process for making a carbohydrate phenol resin, the improvement which comprises reacting the carbohydrate and phenol mixture with an ingredient selected from the group consisting of free fatty acids, cotton seed pitch, stearine pitch, candle pitch and palm oil pitch in a quantity sufficient to combine with the other ingredients to form a resin of increased water resistance, impact strength and transverse breaking strength.

2,001,431
WATER LOCK BOILER FEED SYSTEM
Waldo D. Nore, North Pitcairn, Pa.
Application March 9, 1934, Serial No. 714,859
3 Claims. (Cl. 122—458)

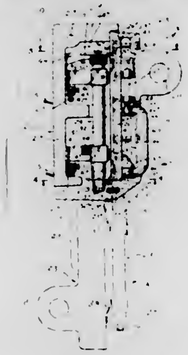
1. In a device of the class described comprising a tank positioned above a water line of a steam boiler, a valve controlled water inlet pipe for said tank, steam line connections between said steam boiler and said tank, an outlet means for

allowing water within said tank to flow downwardly by gravity and enter said steam boiler, a steam line leading from said steam boiler to



said tank and provided with a coil within said tank and extending out of said tank and connected to said outlet means leading to said steam boiler.

2,001,432
CIRCUIT CONTROLLING AND INDICATING DEVICE
Bror G. Olving, Hamden, Conn., assignor to Products Protection Corporation, a corporation of Delaware
Application March 11, 1933, Serial No. 660,379
21 Claims. (Cl. 200—121)



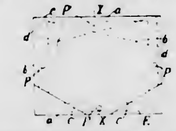
1. In apparatus of the character described, in combination, an open box-like container carrying therein contact members, closure means for said container, said means being shaped to have therein a chamber, circuit-controlling means positioned and enclosed within said container when said closure means is in closing position but being mounted on that side of said closure means facing inwardly of said container, said controlling means having contact means for engaging said contact means within the container when said closure means is moved into closing position and for disengaging therefrom when said closure means is moved into container-opening position, said closure means having a window communicating with said chamber, a gaseous conduction tube mounted within said chamber and exposed through said window, an impedance device mounted within said chamber and serially connected with said tube, and contact means forming the terminals of said serially arranged impedance and tube, said contact means being exposed on that face of said closure means that faces the inside of said container and being in electrical connection with said circuit-controlling means.

2,001,433
COMBINATION WEATHER-STRIP AND WINDOW FRAME
Hermann J. Schubert, Hackensack, N. J.
Application August 10, 1933, Serial No. 684,481
12 Claims. (Cl. 20—45)



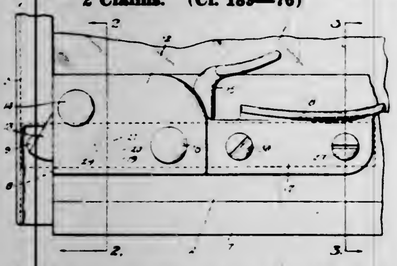
1. In a mechanism of the class described, the combination with window sashes and a frame having channels in which the sashes slide, of strips on the sides of the channels, some of which are stationary and others of which have stationary and movable sections, an angular weather-strip on one sash engaging and slidable on one of the two-part strips, and an angular weather-strip on the other sash, together with an angular strip on the other two-part strip engaged by the aforesaid angular strip on the other sash, and means for locking together the two parts of the latter strip, comprising a pin on one strip entering a slot in the other.

2,001,434
SAFETY CLOSURE FOR LETTERS
Albert Schülze, Neustadt-on-the-Tafelfichte, Czechoslovakia
Application June 30, 1932, Serial No. 620,139
In Czechoslovakia February 22, 1932
2 Claims. (Cl. 229—68)



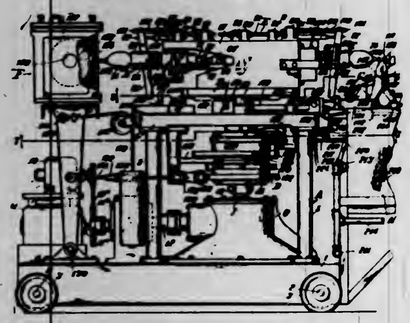
1. A safety closure for letters, more particularly letters containing valuable enclosures, comprising in combination: an envelope having a plurality of end and side flaps; a separate protecting sheath for the reception of the letter, said sheath being removably arranged within said envelope; reinforcing strips at the sides and bottom of said sheath; and sealing means passing through all the flaps of said envelope and through said reinforcing strips, whereby said sheath and said envelope are fastened together.

2,001,435
BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Newark, N. J., assignor to National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application August 24, 1933, Serial No. 686,533
2 Claims. (Cl. 189—76)



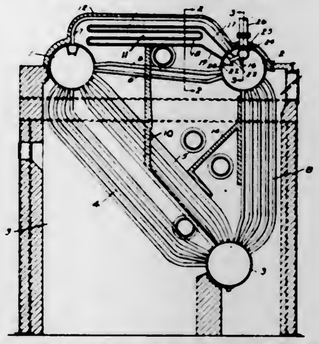
1. In a window construction, a glass panel, a horizontal rail of channel form receiving a horizontal edge of said glass panel, said rail having a vertical end and its channel including an upper glass receiving portion and a lower portion forming a horizontal passage below said glass panel and open at said vertical end, a removable vertical side strap of channel form receiving a vertical edge of said glass panel having a horizontal extension member permanently secured thereto, said extension member being removably engaged longitudinally within said lower portion of the channel of said rail, the vertical inner edge of said side strap engaging the vertical end of said rail, a lock casing engaged upon one side of said rail, and unitary fastening means extending between the sides of said rail and securing said lock casing exteriorly of said rail and said extension interiorly of said rail, said fastening means adapted to draw said sides of the rail toward each other into binding relation with said extension and with the sides of the glass panel within said rail.

2,001,436
MACHINE FOR FLARING GLASS ARTICLES
Harold R. Schutz, Ottawa Hills, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 25, 1933, Serial No. 662,767
22 Claims. (Cl. 49—7)



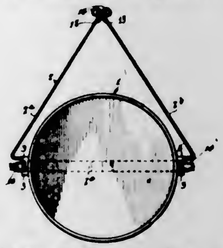
1. In a machine for flaring glass articles, means for supporting and rotating the article to be flared, a backing tool and a flaring tool bodily movable toward and from one another, means for supporting the tools and moving them as a unit toward the axis of rotation of the article and into position at opposite sides of the glass article to be flared, means for moving the flaring tool into engagement with the article so that one end of the tool is positioned substantially in the axis of rotation of the article, and means for swinging the flaring tool about the first mentioned end toward a position perpendicular to the axis of rotation of the article.

2,001,437
STEAM GENERATOR
Mark E. Smith, Erie, Pa., assignor to Union Iron Works, Erie, Pa., a corporation of Pennsylvania
Application July 19, 1934, Serial No. 736,005
5 Claims. (Cl. 122—478)



1. In a steam generator, the combination of a discharge steam drum; circulating tubes leading to and from said drum; a chamber in the steam discharge drum; steam tubes leading through the drum shell into the chamber; a steam collecting conduit in the steam discharge drum; and tubes in the steam discharge drum connecting the chamber and the conduit.

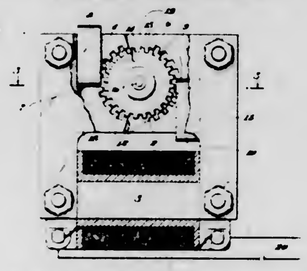
2,001,438
TRAY
William R. Stuck, Los Angeles, Calif.
Application November 30, 1932, Serial No. 644,991
12 Claims. (Cl. 65—53)



2. A tray having a body with a pin projecting outwardly from the side thereof, a supporting member pivotally mounted on the pin, yieldingly pressing itself against the tray body, and shoulders projecting from side portions of said tray cooperating with the opposite side edges of the supporting member to hold the same against rotation and enabling the supporting member to be disengaged from the shoulders by an outward movement while maintained on the pin and enabling the supporting member to be moved into a folded position on the outside of the tray.

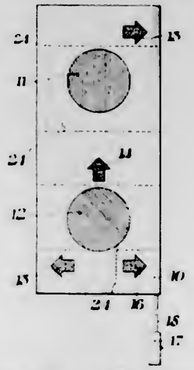
12. A tray having a body with a pin projecting outwardly on one side of the same and having another pin projecting outwardly on the opposite side of the body and in axial alignment with the first-named pin, supporting means comprising arms pivotally mounted on the pins, a head placed on the outer end of each pin, said arms being yieldingly pressed against the sides of the tray body, fixed shoulders on the tray for normally holding the supporting means against rotation from a position at right angles to the tray body, other fixed shoulders capable of cooperating with the supporting member to hold the same in a folded position, said pins having a length sufficient to enable the supporting member to be disengaged from the shoulders without being disengaged from the pins, all of the above mentioned parts cooperating to enable the arms to be disengaged from the shoulders by an outward movement on the axis of the pins.

2,001,439
SYNCHRONOUS MOTOR
Milton E. Thompson, Ridgway, Pa.
Application March 17, 1933, Serial No. 661,218
9 Claims. (Cl. 172—278)



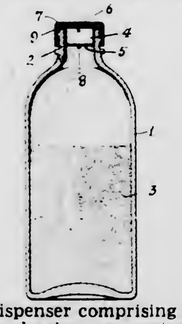
1. A single phase synchronous motor having a rotor and a field structure with two pole faces, each pole face comprising a shaded section having a plurality of teeth thereon and an unshaded section likewise having a plurality of teeth thereon, the teeth of the shaded section of each pole face being advanced relatively to the teeth on the unshaded section of that pole face.

2,001,440
TRAFFICE SIGNALING SYSTEM
Ethrea Charles West, Rochester, N. Y.
Application September 22, 1931, Serial No. 564,297
7 Claims. (Cl. 177—329)



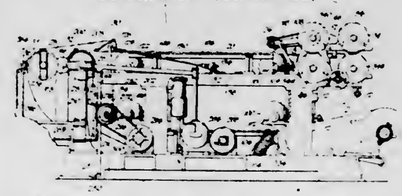
7. In a program traffic signaling system, a signal of one character indicating the permissible passage of traffic, a signal of another character indicating that traffic shall not pass, turn indicators positioned adjacent one of said signals, circuits for controlling the operation of said signals and said indicators, timing means for controlling the completion of said circuits according to a prearranged schedule, and manually operated means for selectively disabling the circuits of any of said indicators.

2,001,441
POWDER DISPENSER
Leslie D. Whitney, Palo Alto, Calif.
Application November 3, 1934, Serial No. 751,365
1 Claim. (Cl. 221—61)



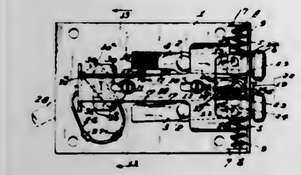
A powder-dispenser comprising in combination a glass-bottle having an externally-threaded neck with a full-open throat; a metal sleeve in said throat of a length proportioned to that of the neck-throat and of a diameter adapting it for readily insertable and removable frictional contact throughout its length with the throat wall, said sleeve having a full-open top with a penetration-limiting flange resting on the top of the neck and a partially open, relatively stiff bottom-wall of less discharge capacity than the full-open top; and a flat-top screw-cap fitted upon the neck of the bottle to lie closely upon and cover the full-open top of the sleeve.

2,001,442
MACHINE FOR AND METHOD OF MANUFACTURING BAG TUBES
Frank G. Wikstrom, Brooklyn, N. Y., assignor to Arkell & Smiths, Canajoharie, N. Y., a corporation of New York
Application July 18, 1928, Serial No. 293,738
34 Claims. (Cl. 93—81)



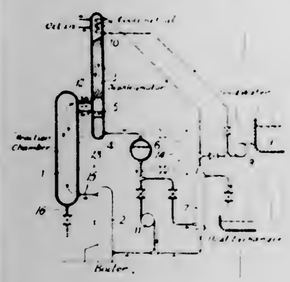
1. A machine for use in the manufacture of bag tubes having, in combination, means for feeding a strip longitudinally, means for applying adhesive to one end of the strip, means for winding the strip upon itself a plurality of times so as to form a tube with the outer end of the strip secured by said adhesive, means for removing the tube from said winding means, and means for flattening the tube when removed from said winding means.

2,001,443
AUTOMOBILE DOORLOCK
Harry Williams, Detroit, Mich.
Application March 2, 1934, Serial No. 713,696
3 Claims. (Cl. 292—333)



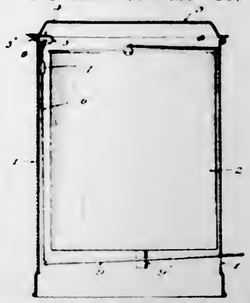
2. In a vehicle door lock, a lock casing; a pair of rocking locking arms pivoted to the casing, having sockets to receive the arms of a spring actuated latch member, with one end of each rocking locking arm extending through slots in the casing to engage a keeper; a lug projecting from each rocking locking arm; a slidable bifurcated bar having inclined notched tines adapted to coordinate with the lugs of the rocking locking arms, whereby said arms may be held in locking engagement with a keeper adapted to coordinate with the rocking locking arms to lock a door; and a spring actuated latch member having laterally extending arms adapted to automatically maintain the rocking locking arms in unlocked relation to the keeper, said latch member having a thrust finger, extending through the wall of the casing, whereby it may contact a keeper to snitt the latch on closing the door, that the arms of the latch member may enter the sockets in the rocking locking arms, thereby releasing the arms that they may interlock with the keeper.

2,001,444
PROCESS OF REFINING OILS AND THE LIKE BY STEAM TREATMENT
Georg Zotos, Charlottenburg, Germany
Application July 2, 1931, Serial No. 548,427
In Germany March 3, 1930
3 Claims. (Cl. 196—63)



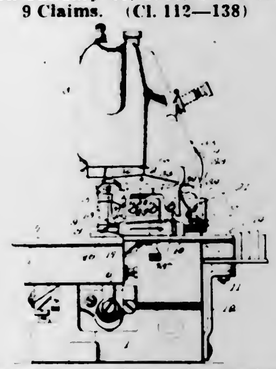
1. A process of cracking mineral tar oils and similar substances, comprising feeding the initial substance through a dephlegmating zone into a reaction zone, generating steam at a pressure of about 200 atmospheres, feeding said steam at such pressure and at a temperature of about 500° C. through the reaction zone into the dephlegmating zone, condensing the major portion of the steam in the dephlegmating zone into water under pressure, and utilising said water under pressure in the steam generation.

2,001,445
RECEPTACLE
Theodore J. Abele, Peoria, Ill., assignor to Stuber & Kuck Co., Peoria, Ill., a corporation of Illinois
Application January 24, 1934, Serial No. 708,070
1 Claim. (Cl. 220—36)



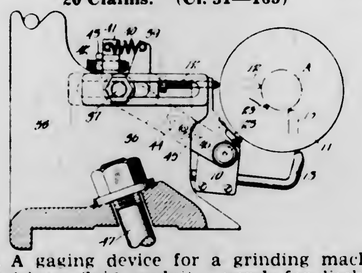
The combination with a receptacle having a hinged cover, of a member extending from the said cover adjacent the hinge thereof and having a free extremity directed away from said hinge toward the opposite edge of the cover and recurved forming a hook whose terminus is directed back toward the wall to which the cover is hinged, in any position of said cover, the recurved terminus lying in spaced relation to the last named wall and directed in a line lying at right angles to said wall directly below the hinge in the closed position of the cover, and a rod shiftable substantially parallel to the said wall adapted to pass between the latter and the said terminus and to enter the bight of said hook in the wide open position of the cover, the hook enclosing the end of the rod in the named position.

2,001,446
BINDER SUPPORT FOR SEWING MACHINES
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 20, 1934, Serial No. 707,575
9 Claims. (Cl. 112—138)



1. In a sewing machine, the combination of a supporting bed, a standard carried thereby, a work support spaced from said standard, a binder for directing a binding strip about the edge of the fabric section being stitched, means for supporting said binder on said standard whereby the same may be moved to a set operative position and to an inoperative position including a pivotally supported latch engaging the binder support for holding the binder in a set position, said latch having a handle member disposed so that a movement thereof in a direction for releasing the latch will also move said binder away from operative position.

2,001,447
AUTOMATIC CONTROL MECHANISM
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application March 12, 1932, Serial No. 598,498
20 Claims. (Cl. 51—165)



10. A gaging device for a grinding machine, comprising a fluid conduit, a nozzle for discharging the fluid therefrom, means responsive to a change in size of the work for varying the flow of fluid from the nozzle, said conduit having a restricted passage for production a velocity change in the flow of the fluid, said velocity change varying in response to a change in the flow of fluid through said nozzle, and means connected to said conduit at said restricted passage and controlled by the velocity change at the restricted passage for controlling the action of the grinding machine.

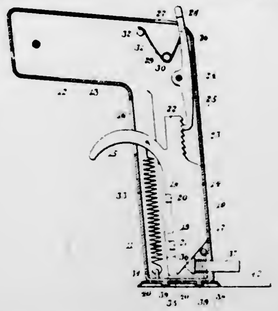
2,001,448
MANUFACTURE OF ARTIFICIALLY COLORED GRANULES
Milton R. Beasley, Norwood, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
No Drawing. Application May 2, 1934, Serial No. 723,545
9 Claims. (Cl. 91—70)

1. The method of coloring granules of the class described which consists in first coating the same with a hydrous plastic clay, then applying to the granules thus coated, a second coating including sodium silicate, one of said coatings having therein a coloring pigment, and finally heating said granules to a temperature sufficently high to react said coatings in situ inter se and produce on said particles an insoluble colored exterior glaze.

7. The method of coating granules of the class described which consists in first coating the same with a hydrous plastic clay, then applying to the granules thus coated a second coating including sodium silicate, and finally heating said granules to a temperature sufficiently high to react said coatings in situ inter se and produce on said particles an insoluble exterior glaze, the major portion of which glaze consists of the reaction product of said clay and said silicate.

2,001,449
TOY PISTOL
Ernest H. Bergstrom, Dorchester, Mass.
Application April 18, 1934, Serial No. 721,120
12 Claims. (Cl. 273—129)

1. In a device of the class described, an elongated chambered housing; a plunger perpendicular to and near one end of said housing; a spring surrounding and normally retaining said plunger



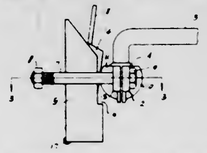
in retracted position; and movable means in said housing for forcing said plunger outwardly against the tension of said spring.

2,001,450
TRANSMITTING CIRCUIT
Clarence A. Boddie, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 16, 1926, Serial No. 135,791
7 Claims. (Cl. 177—352)



1. In a power system employing a plurality of sources of signal energy at different signalling frequencies for duplex communication thereover, a plurality of conductors, apparatus interposed between said conductors of a type through which the signalling energy cannot be transmitted and means for by-passing said signalling energy about said apparatus, said means comprising coupling means between said conductors of a type having the property of an electrical impedance that is large for the frequencies of said signalling energy and a plurality of electrical impedances coupled to said coupling means and forming with said coupling means a network of resonant and anti-resonant circuits which network is resonant at a plurality of the frequencies of said signalling energy.

2,001,451
TRAILER HITCH
Fritz J. Boehler, Houston, Tex.
Application December 9, 1933, Serial No. 701,652
3 Claims. (Cl. 280—33.15)



1. A trailer hitch comprising a guide, a pair of rods between which the guide is secured, said rods forming means for attaching the guide to a draft vehicle, a socket joint member on said

rods formed of complemental sections one of which is movable relative to the other and a wedge member in the guide normally wedging against said movable section.

2,001,452
READY MADE TIE
Isidor Bronshvaig, Bronx, N. Y.
Application May 23, 1934, Serial No. 727,185
2 Claims. (Cl. 2—150)



1. For use in preparing a ready made necktie, a pre-shaped metallic shell having the shape of a necktie knot, said shell tapering from a curved upper edge to a straight lower edge, and being open at its rear from the top to the bottom, a plurality of stitch receiving apertures adjacent the rear edges of said shell, and a downwardly extending tongue struck inwardly from said shell adjacent its bottom edge to assist in holding slip portions of a tie therein, said tongue ending within the confines of said shell.

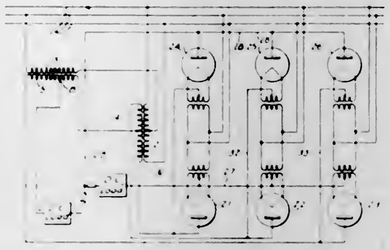
2,001,453
VALVE CONTROL
Robert W. Crossen, Jr., Plainfield, Ill., assignor to Farrell Manufacturing Company, Joliet, Ill., a corporation of Illinois
Application August 3, 1931, Serial No. 554,653
8 Claims. (Cl. 137—21)



1. In a dispensing system, the combination of liquid reservoirs, a discharge connection to each of said reservoirs, means for selectively permitting and preventing flow from said reservoirs to said discharge connections, a unitary assembly remotely located from said first named means, said assembly comprising a single housing having means disposed therein for selectively operating a single one of said first named means, an expansible member in said first named means for effecting operation thereof, and an expansible member in said housing in pressure communication with said first named expansible member whereby operation of said second named expansible member operates said first named expansible member.

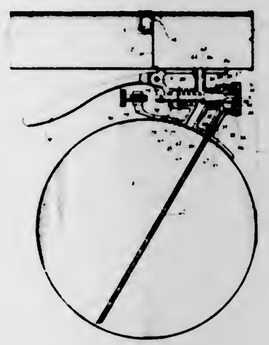
2,001,454
THREE-PHASE RECTIFIER TRANSFORMER
Robert L. Davis, Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 27, 1933, Serial No. 677,839
7 Claims. (Cl. 175—363)

2. In a power supply system, a source of polyphase current, a plurality of groups of transformers and rectifiers, each group including pairs of rectifiers, one pair for each phase, each group having two conductors, one conductor uniting the cathodes of one member of each pair, the other conductor uniting the anodes of the other member of each pair, said two conductors constituting the direct-current terminals of their group, means connected to said conductors for uniting said



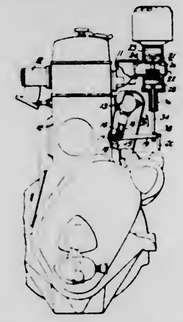
groups into a cooperative system for delivering direct-current power, the transformers in each of said groups being T-connected and thereby affording neutral points and means connected to said neutral points for cooperating with said first-named means for delivering direct-current power at voltages less than the full voltage of the system.

2,001,455
SPRAYING DEVICE
Nicholas W. De Frees, Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application June 16, 1932, Serial No. 617,570
2 Claims. (Cl. 299—89)



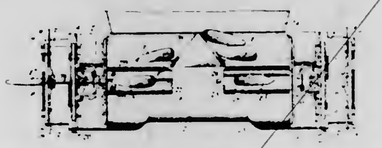
2. A spraying device comprising a cylindrical tank and an air pump having a barrel, the long axis of the tank and barrel being substantially at right angles to one another, a casting as the principal means connecting the barrel to the tank, said casting having opposed spaced plate-like foot portions respectively conforming to the configuration of and secured to tank and barrel by soldering, said casting having a bore axially parallel with the barrel and terminating in a spraying orifice, a valve seat and valve cooperative with the seat and adapted to control the orifice, passages in said casting and tank and barrel establishing communication between the pump barrel and tank across the bore and at one side of the valve and seat, passages in said casting establishing communication between said tank and bore adjacent said orifice, said casting being of less width than the diameter of the barrel and having its orificed end lying at the inside of a plane tangent to the tank and cutting the end of the barrel, and means for operating the valve.

2,001,456
INTERNAL COMBUSTION ENGINE
Torbjörn Viktor Dillström, Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England, a corporation of Great Britain
Application September 27, 1932, Serial No. 635,003
In Germany October 5, 1931
21 Claims. (Cl. 123—139)



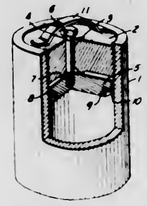
1. Charge-forming apparatus for internal combustion engines comprising a pump for supplying fuel to the engine, a valve for controlling flow of air to the engine for combustion with said fuel, said valve comprising a valve member arranged to be opened by the pressure of air controlled by the valve, a loading spring for closing the valve, regulating means adjustable to concomitantly determine the quantity of fuel delivered and the force required to open the valve and means for absorbing the reaction of the loading spring independently of the valve regulating means.

2,001,457
CORN CUTTING MACHINE
Frank W. Douthitt, Ortonville, Minn.
Application April 8, 1931, Serial No. 528,690
17 Claims. (Cl. 130—9)



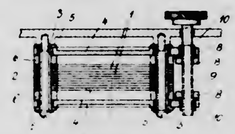
1. A machine for cutting corn comprising a cutting head, a plunger for forcing the ear through the head, means for receiving and guiding the ear including clamping members, an ear supporting device associated with each clamping member, a shaft on which the clamping member and associated supporting device are mounted, the supporting device being rigid with the shaft and the clamping member free thereon, said shaft having an arm projecting therefrom, and said clamping device having a projecting arm, an actuating shaft, an arm carried thereby, a link connecting said last-named arm to the arm connected with the ear supporting device, a link connecting the arm on said actuating shaft with the arm attached to the clamping member whereby said clamping member and supporting device are interconnected, a spring for moving the actuating shaft to cause the clamping member to engage the ear, a cam supporting member, and cams carried thereby and operating upon the shafts for actuating the respective clamping members and associated ear supporting devices.

2,001,458
SAFETY PLUG
Irwin L. Dunn, Tulsa, Okla.
Application March 20, 1933, Serial No. 661,781
7 Claims. (Cl. 220—46)



1. A safety plug for a tubular body including a retainer adapted for removable, locked mounting in said body, and having a boss on its inner face, a follower, a bolt extended loosely through the retainer and threadedly attached to the follower, and a packing ring on the follower including a flexible member compressible against the wall of said body by fluid under pressure in said body.

2,001,459
ELECTRIC VARIABLE CONDENSER
Peter Grassmann, Berlin, Germany
Application October 24, 1933, Serial No. 695,023
In Germany August 10, 1932
5 Claims. (Cl. 175—41.5)

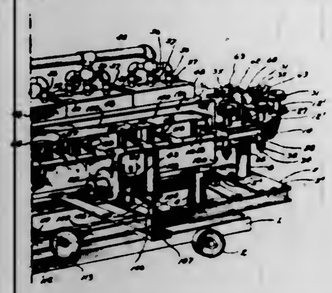


1. An electric variable condenser comprising two rigid frames so mounted as to permit one to rotate within the other, and condenser vanes mounted in each of said frames, said vanes being so thin as to be non-rigid and incapable of supporting their own weight and being in stretched condition so as to lie in parallel planes within said frames.

2,001,460
APPARATUS FOR FORMING PLATES
George R. Haub, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling W. Va., a corporation of West Virginia
Application August 27, 1931, Serial No. 559,797
5 Claims. (Cl. 49—7)

1. Apparatus of the class described including a plurality of traveling shapers, a sprocket chain

and sprocket wheels for imparting movement to the shapers, and guide means associated with



one sprocket wheel for properly centering articles placed in the shapers.

2,001,461
SHIRRED TUBING AND METHOD OF PREPARING THE SAME
Alfred G. Hewitt, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application June 8, 1934, Serial No. 729,728
8 Claims. (Cl. 17—45)



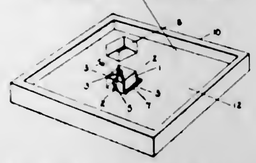
1. A method of preparing an artificial sausage-casing for shipping and handling which comprises: preliminarily shirring the casing; and then subjecting the shirred product to a compressing operation which forces the folds into close mutually supporting relation, thus forming a self-sustaining product.

2,001,462
INDEX CARD
Friedrich Hiller, Cologne-on-the-Rhine, Germany
Application October 1, 1932, Serial No. 635,801
In Germany October 12, 1931
9 Claims. (Cl. 129—16.5)



1. The combination with a series of index cards each having on opposite side edges a row of spaced openings, said rows extending parallel to said side edges, and a pair of flexible strands each extending through one of the openings of a respective row, the openings of successive cards receiving said strands being successively offset upwardly from the bottom of the rearmost card of the series whereby like marginal top portions of the cards are displaced upwardly from the front to the rear of the series upon tensioning said strands, said strands being each free from knots between its ends.

2,001,463
BEE FEEDER
Adam Carl Kehrle, Buckfastleigh, England
Application October 11, 1933, Serial No. 693,188
In Great Britain March 27, 1933
10 Claims. (Cl. 6—5)



1. In a bee feeder of the kind specified, a block to upstand from the surface of the food and formed with a passageway for the bees leading from the interior of the hive to the exterior of the block at the surface of the food, and a cap to fit over the block and occupy thereon a plurality of positions selectively, which cap is adapted, according to its position, differentially to control the effective width of the passage-way at the surface of the food from a width permitting a plurality of bees to feed at said surface simultaneously to a width permitting one bee only to feed thereat at a time.

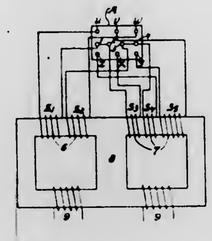
2,001,464
CONTAINER
Mary D. Kerr, Columbia, S. C.
Application January 22, 1934, Serial No. 707,826
20 Claims. (Cl. 206—56)



1. A lipstick container comprising a casing for reciprocably receiving a lipstick, a spring for urging the stick outward, means for preventing the outward movement, said means including a member carried by the stick, and a cover reciprocably receivable by said casing, the proximate surfaces of the casing and cover being substantially cylindrical whereby the casing and cover are relatively rotatable, a projection on one of said surfaces and a transverse slot in the other whereby said cover is rotatable into and out of locking engagement with the casing, said cover adapted to engage said member for releasing the preventing means when locked on the casing by rotation in one direction and for locking the preventing means when unlocked from the casing by rotation in the opposite direction.

2,001,465
TRANSFORMER FOR THE CONVERSION OF POLYPHASE CURRENTS
Hendrik Abraham Wijnand Klinkhamer, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 20, 1934, Serial No. 721,636
In The Netherlands May 17, 1933
3 Claims. (Cl. 172—238)

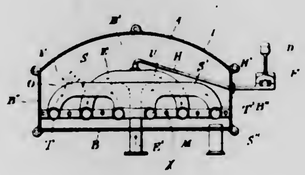
1. A transformer assembly to convert polyphase currents in accordance with the "Scott connection", said assembly comprising at least two windings, the first winding being divided into two individual sections and the second winding



into three individual sections, the ratio of the induced voltages of the five sections being approximately:

$$1:1:\tfrac{1}{2}\sqrt{3}:\tfrac{1}{2}\sqrt{3}:\tfrac{3}{2}\sqrt{3}$$

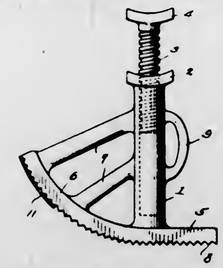
2,001,466
FUEL CHARGE HEATING MEANS FOR AUTOMOTIVE VEHICLES
Carlos Laugier, Mexico, D. F., Mexico, assignor of thirty per cent to Marcos Odriozola and thirty per cent to Thomas Reyes Retana, both of Mexico, D. F., Mexico
Application March 8, 1933, Serial No. 660,060
In Mexico July 22, 1932
4 Claims. (Cl. 123—122)



1. The combination of the intake and exhaust manifolds of an internal combustion motor operated from a low burning fuel, a structure enclosing said manifolds and providing a heat chamber, said exhaust manifold being closed at its discharge end and formed with an opening remote from said end for discharging the products of combustion received from the motor directly into said chamber for heating the fuel charge passing through said intake manifold to enhance the expansive power of said charge, and said structure being provided with means at a point remote from said opening for the discharge of the products of combustion from the heat chamber.

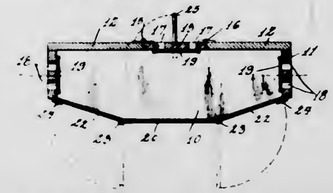
2,001,467
VEHICLE JACK
Joseph M. Madigan, Detroit, Mich.
Application September 13, 1934, Serial No. 743,906
5 Claims. (Cl. 254—94)

2. A jack including a rocker having a straight end portion and a bottom recess in the other end portion, a standard upstanding from said end portion, means thereon for engaging an axle, and a pad seated within and normally extending from the recess in the rocker for frictional engagement with a supporting surface when the jack is in one extreme position, said pad being



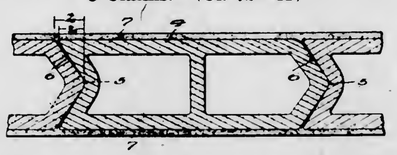
expansible laterally into gripping engagement with the walls of the recess when the pad is subjected to pressure from a supported load.

2,001,468
BAIT OR MINNOW BOX
Emil E. Moutoux, Riverhead, N. Y.
Application August 4, 1934, Serial No. 738,521
3 Claims. (Cl. 43—55)



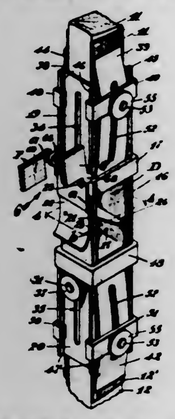
1. A floatable bait box having a generally rectangular body including side and end walls and a top and base, said top comprising two end sections and an intermediate hinged section forming a door by means of which access may normally be had to the interior of the body, said door and said end walls having screen covered openings, and said base comprising a permanent central horizontal screen section, and upwardly, outwardly inclined screen sections hinged at their inner edges to said central section and forming drop doors to permit thorough discharge from the box and cleaning of its entire interior, and latches normally holding said top door and bottom drop doors in position.

2,001,469
BUILDING WALL
Luther S. Munson, West Riverdale, Md., assignor to Munlock Engineering Company, Washington, D. C., a corporation
Application September 14, 1933, Serial No. 689,471
5 Claims. (Cl. 72—41)



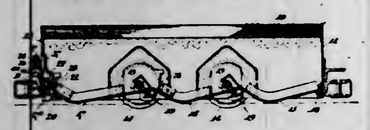
1. In a wall construction formed of interfitting tile elements having interfitting end portions consisting of V-shaped protrusions and recesses, the walls of the protrusions being of less angularity than the walls of the recesses, the apices only of the protrusions impinging against the walls of their complemental recesses.

2,001,470
ARCHER'S BOW
Yngve J. Nyvall, San Pedro, Calif.
Application May 9, 1932, Serial No. 610,006
12 Claims. (Cl. 273—107.5)



1. In an archer's bow, an intermediate bow section having an arrow receiving opening leading therethrough formed with a side wall slot through which an arrow may be laterally passed, and means for closing said slot.

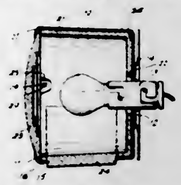
2,001,471
LATCH FOR AUTOMATIC DUMPING VEHICLES
Hugh W. Sanford, Knoxville, Tenn.
Application December 3, 1932, Serial No. 645,603
15 Claims. (Cl. 105—253)



1. A dump vehicle including a body and a dumping door, a latch for securing said door in closed position, a latch controlling member located adjacent the center of the width of the vehicle, and means having a plurality of parts pivotally connected to said member and exposed for conjoint operation by a plurality of elements located along the route of said vehicle for actuating said member to release said latch, said means moving pivotally relative to said member and being inoperative upon movement of less than all said parts for causing the release of said latch.

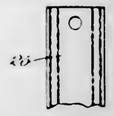
2,001,472
LAMP
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application January 9, 1935, Serial No. 1,008
12 Claims. (Cl. 240—8.3)

1. In a lamp, a cuplike casing having an inturned flange at its forward open end, said casing having a split opening extending from its forward edge rearwardly and whereby the forward open end may be opened bevond its normal opening, means within said casing forming a shoulder inwardly spaced from said inturned flange, a lens having an outside diameter larger than the inside diameter of said inturned flange in its normal position and having its peripheral edge disposed and held between said shoulder and said flange, said lens being insertable in said cas-



ing by said opening of the forward end of said casing beyond its normal opening, and means securing said split open end to normally retain said normal opening.

2,001,473
DOUBLE WALL STRUCTURE
Wallace W. Smith, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application January 29, 1934, Serial No. 708,904
10 Claims. (Cl. 61—34)



1. A structure of the character set forth, comprising walls spaced apart, and tension means for preventing spreading of said walls comprising members located at intervals along said walls and each extending crosswise thereof from one to the other of said walls, said members having swinging connection with one of said walls, about substantially vertical axes.

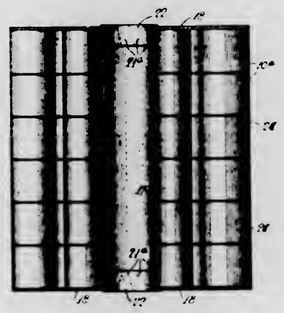
2,001,474
PROCESS OF TIN PLATING
Francis H. Snyder, Niagara Falls, N. Y., and Stanley F. M. Maclaren, Niagara Falls, Ontario, Canada, assignors to Industrial Research, Limited, Niagara Falls, Ontario, Canada, a corporation of Ontario
No Drawing. Application November 10, 1931, Serial No. 574,226
3 Claims. (Cl. 91—70.2)

3. The process of manufacturing plated light guage metal sheets to be used in the manufacture of cans and the like which comprises cleaning the surface of the metal sheet under treatment, and applying a metal coating to the cleaned sheet by immersing the same in a molten bath of an alloy consisting of cadmium and tin, the cadmium constituting approximately from 1 to 10 per cent. by weight of said alloy.

2,001,475
PACKAGING AND HANDLING FROZEN COMESTIBLES OR THE LIKE
Clarence W. Vogt, Louisville, Ky., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application January 9, 1932, Serial No. 585,745
1 Claim. (Cl. 206—46)

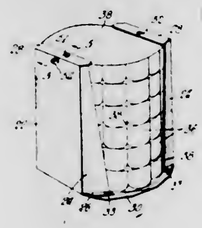
A shipping package of ice cream or other frozen comestible, including a plurality of substantially

cylindrical blocks of the frozen ice cream, each having substantially flat top and bottom end walls, wrapping material extending around the periphery of each block, a plurality of interleaves of non-absorbent sheet material disposed between successive layers and in direct contact with the top and bottom ends of the individual blocks, a casing enclosing all of said blocks and holding



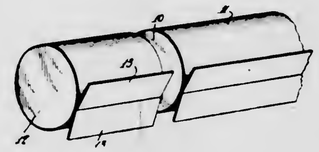
them in predetermined relative positions, said casing including a central tube of a diameter approximately equal to the diameter of one of said blocks and extending through the series of layers, end walls secured to the ends of said tube, and a wrapper encircling all of said blocks and having its opposite edges secured to said end walls to hold said blocks in assembled relationship between said end walls.

2,001,476
PACKAGE AND CONTAINER FOR ICE CREAM AND THE LIKE
Clarence W. Vogt, Louisville, Ky., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application August 22, 1932, Serial No. 629,776
9 Claims. (Cl. 206—46)



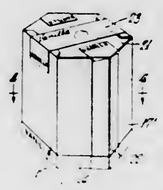
1. A container including a substantially hexagonal base of stiff sheet material and a pair of columns at opposite edges of said base, each column including a wall portion integral with said base and extending vertically therefrom, a pair of flanges integral with each wall at opposite side edges thereof and disposed in vertical planes at an angle of approximately 120° to the plane of the side wall and forming substantial portions of the other four walls, and means for securing the lower end of each flange to said base.

2,001,477
FROZEN COMESTIBLE PACKAGE
Clarence W. Vogt, Louisville, Ky., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky., a corporation of Delaware
Original application January 9, 1932, Serial No. 585,745. Divided and this application April 22, 1933, Serial No. 667,329
5 Claims. (Cl. 206—56)



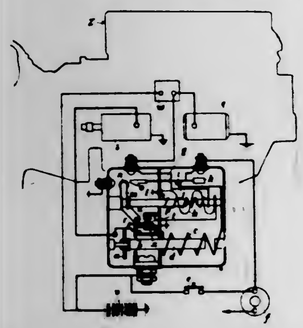
1. A new article of manufacture, comprising a substantially solid block of ice cream or the like, and a paper wrapper of greater length than the perimeter of the block and wrapped completely therearound, the two ends of the wrapper being folded away from each other and in opposite directions to form a pair of manually graspable spaced tabs.

2,001,478
SHIPPING PACKAGE
Clarence W. Vogt, Louisville, Ky., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky., a corporation of Delaware
Application February 1, 1934, Serial No. 709,245
15 Claims. (Cl. 206—46)



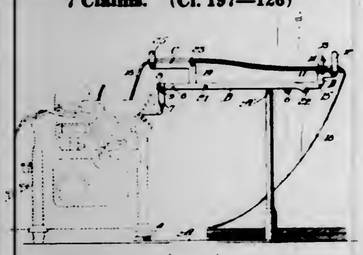
1. A shipping package of ice cream or other frozen comestible consisting of a plurality of superposed layers of blocks of frozen comestibles, each having a peripheral wrapping, a plurality of interleaves between the successive layers and serving as end walls for the wrappings of said blocks, and a casing enclosing all of said blocks and holding them in predetermined relative positions in said layers, and including a base member upon which said stack may be supported, a pair of oppositely projecting extensions integral with the base member and adapted to be folded upwardly into engagement with opposite sides of the stack to form side walls, each extension having side flanges bendable inwardly toward each other to form the remaining side walls, and a cover member upon the top of the stack secured to the upper ends of all of said side walls to prevent outward movement of the side walls and hold them in firm engagement with the stack.

2,001,479
AUTOMATIC STARTING MECHANISM FOR INTERNAL COMBUSTION ENGINES
Ernest Ansley Watson, Birmingham, England, assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 24, 1935, Serial No. 3,297
In Great Britain December 30, 1933
4 Claims. (Cl. 290—36)



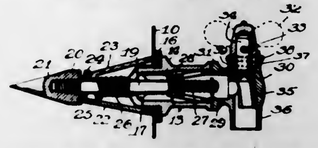
1. An automatic starting system for internal combustion engines, including a battery, a starting motor circuit embodying an electromagnetic switch, a control circuit for said switch, a circuit in parallel with the starting motor circuit embodying electromagnetic means effective to open said control circuit, said last named circuit including a normally closed switch which opens and disconnects the electromagnetic opening means from the battery during cranking operation and is caused to close when the engine is running under its own power to cause energization of the opening electromagnetic means from the battery to open the control circuit and thereby open the electromagnetic switch.

2,001,480
TYPEWRITER ATTACHMENT
Charles L. Winter, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois
Application September 19, 1934, Serial No. 744,716
7 Claims. (Cl. 197—126)



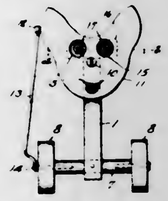
1. In combination with a typewriting machine equipped with strip-feeding mechanism: a forwardly movable carbon-holder disposed in rear of the strip-advancing mechanism; means for holding said carbon-holder in retracted position; and release-means for permitting forward movement of the carbon-holder, said release-means being depressible by the pressure of strips tensioned by said feed-mechanism.

2,001,481
DISPENSING ATTACHMENT FOR CANS
Scott M. Abbott, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1934, Serial No. 735,508
14 Claims. (Cl. 221—23)



1. A dispensing attachment comprising a hollow body having a sharp inner end whereby said body may be pushed part way into a container when said sharp end is forced through the wall of said container, a movable abutment associated with the portion of said body which penetrates said wall and means on the outer portion of said body for moving said abutment away from and toward the longitudinal axis of said body, independently of the inward movement of said body through said wall, and after the completion of said movement.

2,001,482
ANIMATED TOY
Martin Beerline, Findlay, Ohio
Application November 9, 1934, Serial No. 752,345
1 Claim. (Cl. 46—40)



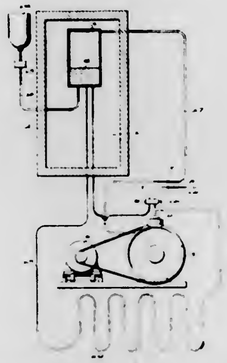
An animated toy including a wheel supported body, a head mounted for oscillation on one end of the body and extending transversely of the body, there being eye openings within the head, means fixedly mounted on the body for closing the openings, there being representations of eyeballs on said means, and means operated by one of the wheels when rotated for oscillating the head.

2,001,483
METHOD OF MAKING JEWELRY CHAINS
Frederick W. Bopp, Providence, R. I.
Application February 4, 1935, Serial No. 4,979
1 Claim. (Cl. 59—35)



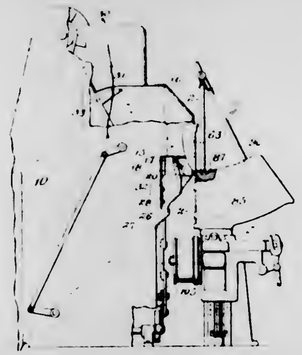
The herein described method of forming a tube chain consisting in placing a long tube over a chain, then cutting the tube into short lengths by spinning operations which press the metal at the ends of the short lengths inwardly to form interior projections at the ends of the short lengths, said projections engaging portions of the chain.

2,001,484
SYSTEM FOR TEMPERATURE CONTROL
Henry Holland Buckman, Jacksonville, Fla., assignor to Buckman and Company, Jacksonville, Fla., a corporation of Florida
Application March 14, 1931, Serial No. 522,759
3 Claims. (Cl. 62—1)



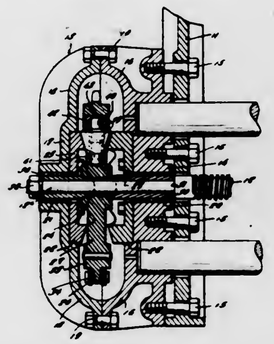
1. In a combined refrigerator and gas generator, a refrigerating unit, a gas generator unit, a common fluid supply means for operating both units, and means for varying the supply of fluid to one of said units independently of the operation of the other of said units.

2,001,485
SPILLAGE DEVICE FOR BAG FILLING MACHINES
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Application October 3, 1934, Serial No. 746,733
7 Claims. (Cl. 226—49)



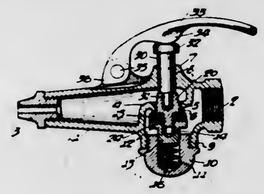
1. A charge spiller for bag filling machines and the like comprising a charge delivering means, bag presenting means to move part of an open bag into receiving relation thereto, a charge diverter movable into receiving relation to the charge delivering means, yielding means to hold the diverter in receiving position, said diverter being located in the path of a bag part to receiving position, whereby the diverter will be moved out of receiving position by such bag.

2,001,486
WARP-BEAMING MACHINE
Victor J. Diefenderfer and Alphonse C. Lova, Allentown, Pa.
Application February 26, 1934, Serial No. 713,038
2 Claims. (Cl. 28—37)



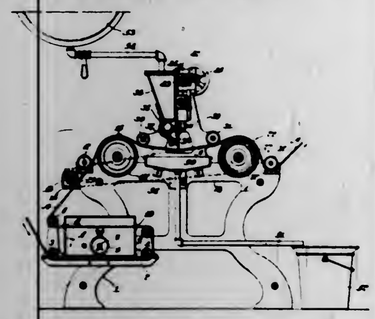
1. In a warp-beaming machine, a beam core, a driving member mounted on one end of the beam core, said beam core being mounted for rotation and for longitudinal reciprocatory movement in its bearings, relatively fixed cam plates at opposite sides of the driving member, and roller means carried by the driving member on axes disposed at right angles to the beam core and engaging in alternations successive cams for causing the beam core to reciprocate a number of times during each rotation thereof.

2,001,487
THROTTLE VALVE
Harold F. Doherty, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application May 5, 1933, Serial No. 669,601
5 Claims. (Cl. 251—134)



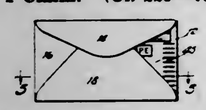
1. A throttle valve, comprising a casing having an apertured diaphragm forming a valve seat, a valve head guided in said casing and cooperable with the valve seat, a spring normally seating the head, a stem guided in said casing for moving the head away from the seat, and an adapter interposed between the stem and the head, said adapter being displaceable laterally with respect to the stem and head to accommodate itself to the aperture in the diaphragm and being of a form to provide a restricted opening between its periphery and the wall of said aperture during the first part of the opening movement of the head and to afford an increasingly larger opening during the latter part of the opening movement of said head.

2,001,488
APPARATUS FOR COATING FABRICS
Albert W. Drobile, Cynwyd, Pa.
Application March 7, 1930, Serial No. 433,907
8 Claims. (Cl. 91—53)



1. Apparatus of the character described comprising a humidifier, a brush to which fabric passes from said humidifier, a plurality of card clothing rollers to which fabric passes from said brush, a blade disposed between such card clothing rollers for engaging a fabric supported thereby, and a presser disposed between said blade and one of said card clothing rollers.

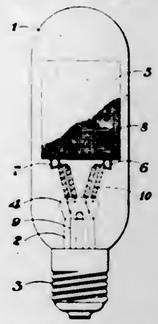
2,001,489
COMBINED MAILING AND RETURN ENVELOPE
Harry Elbaum, New York, N. Y.
Application September 5, 1934, Serial No. 742,746
1 Claim. (Cl. 229—73)



A combined mailing and return envelope comprising two individual envelopes formed of a single blank, each of said envelopes including a body and flap portions, said mailing envelope being larger for receiving the return envelope, the body portions of said envelopes being connected along one edge and provided with a row of perforations forming both the line of severance and line of fold of said envelopes for folding the return envelope in the mailing envelope, one of the flaps of said return envelope being sealed adjacent the line of perforations, the flaps of the mailing envelope cooperating when folded upon its body to cover the major portion of the return envelope and to seal the same in the mailing envelope, the uncovered portion of the return envelope providing a finger gripping area to facilitate its removal in unsevered condition upon the opening of either the top or bottom flaps of the mailing envelope.

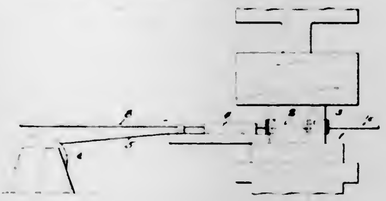
2,001,490
GASEOUS ELECTRIC DISCHARGE DEVICE
Georg Gaidies, Berlin-Pankow, Germany, assignor to General Electric Company, a corporation of New York
Application June 27, 1932, Serial No. 619,575
In Germany July 13, 1931
4 Claims. (Cl. 176—124)

1. An electric discharge device consisting of a container, electrodes sealed therein, a gaseous atmosphere therein, at least one of said electrodes being a metal plate anode, another of said electrodes being a wire net in front of said anode cathode, said electrodes being flat and in parallel



positions in said container and supporting a luminous electric discharge in said gaseous atmosphere and means for charging said plate anode positively and said net cathode negatively.

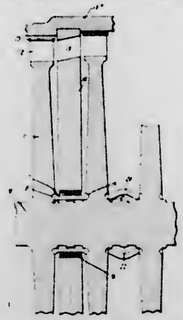
2,001,491
PROCESS OF AND APPARATUS FOR MARKING
Fred Hendey, Passaic, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application December 23, 1932, Serial No. 648,568
6 Claims. (Cl. 18—13)



1. The method of applying discontinuous markings to the insulation of electric cables, cords and the like insulated with a soft compound, which method comprises enveloping the article in a strip of smooth material having the desired discontinuous marking impressed therein in definite spaced relation and then extruding a lead sheath with a smooth interior surface about the enveloped article to provide discontinuous markings to the insulation of the article in predetermined spaced relation to each other.

2,001,492
METHOD OF ASSEMBLING PACKING RINGS IN TURBINE ROTORS
Fritz Herrlinger, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application November 14, 1933, Serial No. 697,934
In Germany May 16, 1933
2 Claims. (Cl. 29—156.8)

1. In an elastic fluid turbine having a rotor with wheels integrally formed with the shaft and a diaphragm intermediate adjacent wheels, the method of assembling a packing ring intermediate the shaft and a packing surface on the diaphragm which method comprises inserting a plurality of ring segments in V-shaped form in opposite grooves in the adjacent sur-



faces of the wheels and forcing the V-shaped portions of the segments inwardly whereby the segments assume a cylindrical shape.

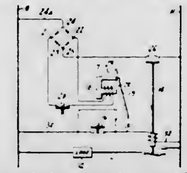
2,001,493
LATCHING MEANS FOR LOCKERS AND THE LIKE
Samuel N. Hope, Wauwatosa, Wis., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application April 20, 1931, Serial No. 531,431
11 Claims. (Cl. 70—14)



11. The combination with a door and door frame, of a movable latching member for securing the door in closed position, and a lock having means to automatically secure the latching member in latching position upon said member being moved to such position, said means including a bolt having a portion to directly engage said latching member, said bolt being spring-projected to maintain it in operative relation to the latching member, so that movement of said latching member will move said bolt to unlocked position when released, and return of the latching member to latching position will permit return of the bolt to locking position.

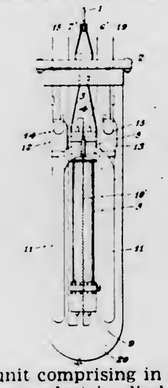
2,001,494
TIME DELAY UNDERVOLTAGE PROTECTIVE SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 19, 1933, Serial No. 694,275
13 Claims. (Cl. 175—294)

1. An undervoltage protective system for an alternating current device, comprising a relay provided with a magnetizable frame and a magnetizable armature normally biased from an attracted to an unattracted position, an operating coil for said relay, a rectifier, connecting means for connecting said coil and said rectifier in series in an energizing circuit for operating said armature to its attracted position, and connecting means also providing a normally closed circuit for said



coil for maintaining said armature in said attracted position a predetermined time after the occurrence of a predetermined reduction in the voltage of said energizing circuit, means for opening said coil circuit for instant operation of said relay, and means responsive to the operation of said armature from one to the other of said positions for controlling the energization of said alternating current device.

2,001,495
LAMP UNIT
Hermann Krefft, Berlin-Friedrichshagen, Germany, assignor to General Electric Company, a corporation of New York
Application March 5, 1934, Serial No. 714,161
In Germany March 15, 1933
4 Claims. (Cl. 240—11.4)

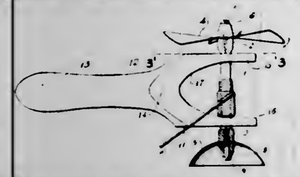


1. A lamp unit comprising in combination, two or more gaseous electric discharge lamps, one of said lamps being a low pressure metal vapor lamp and another of said lamps being a high pressure metal vapor lamp, said low pressure lamp surrounding said high pressure lamp, said lamps being mounted in adjacent, parallel positions, said high pressure lamp heating said low pressure lamp.

2,001,496
FLYING TOY MECHANISM
Walter Kroelling, Cleveland Heights, Ohio
Application January 23, 1934, Serial No. 707,899
1 Claim. (Cl. 46—51)

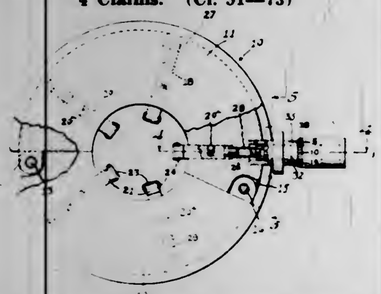
An apparatus of the character described having in combination a shaft having a central portion of reduced cross section providing spaced circumferential beveled shoulders at intermediate positions on said shaft, a propelling member secured

to one end of said shaft, a stabilizing member secured to the other end of said shaft, a launching device adapted to be engaged over said reduced central portion of said shaft in equally spaced relation to the propelling member and the stabilizing member, said launching device providing



a handle section at one end and a shaft engaging section comprising members formed with two intersecting slots at right angles to each other, the arms on each side of said respective vertical slots engaging at their outer edges against said intermediate beveled shoulders on said shaft.

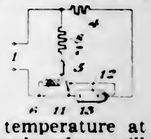
2,001,497
GRINDING DEVICE
Ervin F. Lawhorn and Sherman R. Brenaman, Lanark, Ill.
Application June 15, 1934, Serial No. 730,694
4 Claims. (Cl. 51—73)



1. A rotatable grinding device for shafts comprising arcuate holder sections arranged to be placed around the shaft to be ground, means for securing said sections in ring form about the shaft, a plurality of radially disposed slots opening in the inner periphery of said holder, a slidable member disposed in each of said slots and retained thereby against relative rotation therein and having grinding means at the inner ends thereof, threaded means for adjusting said slidable members axially and into contact with the surface of the shaft and a gauging-actuating device for actuating said threaded means to effect the adjustment of said grinding means to predetermined and indicated radial positions.

2,001,498
ELECTRIC TRANSLATING DEVICE
Wilfried Meyer, Berlin-Steglitz, and Erwin Weise, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application December 7, 1934, Serial No. 756,438
In Germany December 22, 1933
6 Claims. (Cl. 176—124)

6. In combination, an electric gaseous discharge device having a thermionic cathode, a heater therefor, and another electrode, means to connect said device to a source of energy through said heater, a by-pass connection between said cathode and said other electrode whereby the potential is reduced to a value less than that necessary to initiate a discharge therebetween and a heating current is passed through said heater, and means to open said by-pass after said cathode



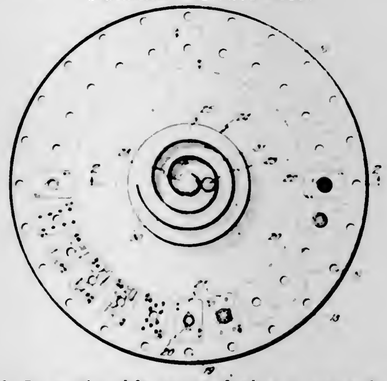
has reached a temperature at which the free electron emission therefrom will support the normal discharge current.

2,001,499
DISPLAY DEVICE
Richard Eaton Paige, Flushing, N. Y.
Application December 4, 1934, Serial No. 755,859
13 Claims. (Cl. 40—126)



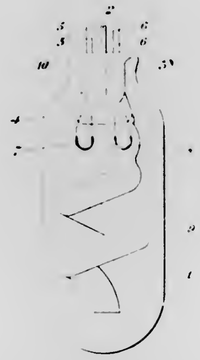
1. A display device comprising in combination, a main display element, a prop for said main display element, and a circumflexed secondary display element embracing a portion of said prop and having interlocking engagement therewith to maintain the secondary display in circumflexed form.

2,001,500
GAME DEVICE
Charles J. Rothen, New York, N. Y.
Application October 9, 1934, Serial No. 747,544
3 Claims. (Cl. 273—138)



1. In a pinochle game device, a game board, the top of which constitutes a playing area, an upstanding wall extending about said game board, an annular series of openings or recesses provided in the playing area identified by different playing card value indicia identical to that of the respective cards of a set of pinochle playing cards, a rotary ball projector mounted centrally of said game board, and a set of play balls adapted to be individually propelled over the playing area by said rotary ball projector, one of said set of play balls being distinguishable from the other and adapted to be placed upon said rotary projector before the others and projected therefrom over said play area to enter any of said openings to determine the trump suit during the succeeding individual projection of the other play balls.

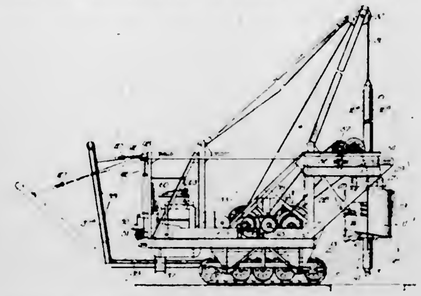
2,001,501
GASEOUS ELECTRIC DISCHARGE DEVICE
Alfred Rüttenauer, Berlin-Halensee, and Otto Fritze, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application February 23, 1934, Serial No. 712,651
In Germany March 10, 1933
1 Claim. (Cl. 176—122)



A gaseous electric discharge device comprising an elongated, tubular container having substantially the same diameter throughout the length thereof, one end of said container being hemispherical and a stem at the other end of said container, a gaseous atmosphere in said container comprising a vaporizable material, a pair of thermionic electrodes sealed into said stem, said electrodes being adjacent each other and a helically shaped, light transmitting tube fused to said stem and surrounding one of said electrodes, the inside diameter of said tube being substantially smaller than the inside diameter of said container and opening adjacent the spherical end of said container, the outside of the helix formed by said tube closely approaching the wall of said container.

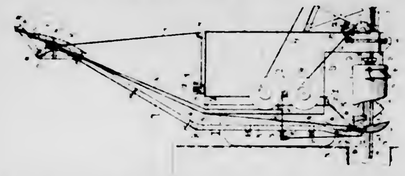
2,001,502
EXCAVATING, HOISTING, DUMPING, AND CONVEYING APPARATUS
Hilmar E. Satre, Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y., a corporation of Connecticut
Application May 5, 1934, Serial No. 724,129
12 Claims. (Cl. 255—21)

1. In a machine for digging caisson holes and the like, the combination of an earth auger adapted to dig the hole and receive the excavated earth, means for lifting said earth auger with a charge of excavated earth to a distance above the surface of the ground, a conveyor for receiving said charge of earth and delivering it at a remote point of disposal, and a single power unit for



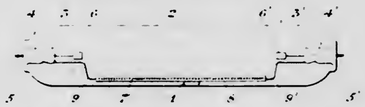
operating said auger and conveyor in timed successive and concurrent relation.

2,001,503
EXCAVATING AND CONVEYING MACHINE
Hilmar E. Satre, Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y., a corporation of Connecticut
Application May 5, 1934, Serial No. 724,131
6 Claims. (Cl. 255—21)



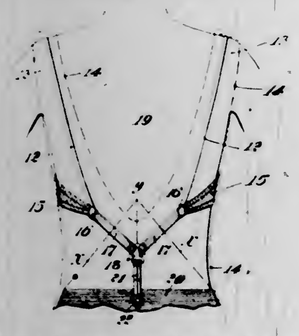
3. In an excavating machine, the combination with a digging device for digging and dumping excavated material, and a lead shaft therefor, of a conveyor device including a car movable along a track to and from a position beneath the elevated digging device, said car when beneath the elevated digging device occupying a position above the open mouth of the excavation against the entry thereto of material discharged by the digging device.

2,001,504
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Rudolf Schmidt, Weisswasser, Germany, assignor to General Electric Company, a corporation of New York
Application February 23, 1934, Serial No. 712,617
In Germany March 8, 1933
6 Claims. (Cl. 176—122)



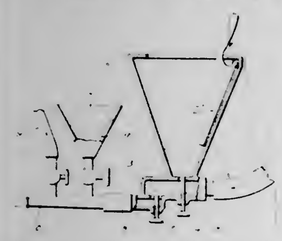
1. An electric discharge lamp device comprising a container, electrodes sealed therein, a gaseous atmosphere therein consisting of mercury vapor, said container consisting of a glass comprising 4 to 18% boric acid, 3 to 10% alkali earth material and 15 to 22% alkali material, more than two-thirds of said alkali material being potassium oxide.

2,001,505
BRASSIÈRE BACK CONNECTIONS FOR EVENING ATTIRE
Henry Schottenfels, West New York, N. J.; Monroe Schottenfels and Fred A. Mack, executors of said Henry Schottenfels, deceased, assignors to Monroe Schottenfels, West New York, N. J.
Application December 16, 1933, Serial No. 702,657
4 Claims. (Cl. 2—42)



1. Brassière back connections adapted to be hid behind the material of an evening gown and to be held out of the open-back area of such gown, in combination with a girdle foundation, comprising shoulder straps and underarm side pieces connected with the body of the brassière and having at their back ends permanently connected elastic strip terminals common thereto, a central coupling device having adjacent its top portion downwardly and oppositely inclined hook arms with which the strip terminals are detachably connected under definite tension, and a pull-down connection between the lower portion of the coupling device and the girdle foundation below it, said hook arms being effective to establish tensioned strip terminals in definitely balanced equilibrium and prevent movement of the parts into the open back area of the gown.

2,001,506
ARSENIC-CONTAINING CEMENT
Gösta Johan Jakob Smitt, Vasteras, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden
Application October 28, 1933, Serial No. 695,666
In Sweden November 2, 1932
4 Claims. (Cl. 106—24)



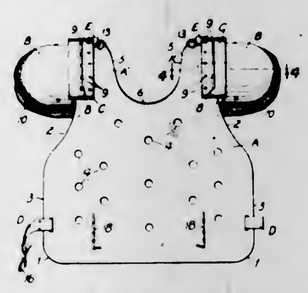
1. Process for treating cement or a mixture thereof, which consists in ejecting said cement or cement mixture by means of gas pressure in order to apply the same, and simultaneously adding to the cement or mixture during ejection thereof, a supply of material including a compound of arsenic capable of reacting with part of said cement and preferably in a finely divided form immediately adjacent to the point of ejection of said cement or cement mixture.

2,001,507
LATCH MECHANISM
John W. Stribling, Detroit, Mich., assignor to George Hunt, Detroit, Mich.
Application August 16, 1934, Serial No. 740,105
10 Claims. (Cl. 217—60)



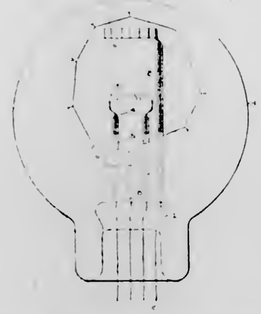
1. A latch mechanism comprising, in combination, a pair of members connected together for movement relative to each other, ratchet teeth fixed to one of said members, and a dog pivotally mounted on the other of said members in a position to be engageable with said teeth within a predetermined range of movement between said members, means acting on said dog tending to move it toward a neutral position, the first mentioned member having means so constructed and arranged relative to said dog and ratchet teeth as to cause said dog to pivot between operative and inoperative positions upon reversal of movement of said members after relative movement thereof in either direction beyond said predetermined range of movement.

2,001,508
PROTECTING DEVICE FOR BASEBALL UMPIRES
Claude R. Tobin, St. Louis, Mo.
Application April 30, 1934, Serial No. 723,055
7 Claims. (Cl. 2—2)



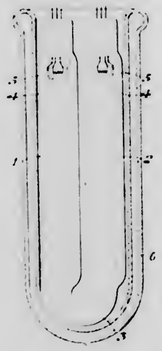
1. An athletic protecting device, comprising a substantially rigid and inflexible shield formed by a single member that extends unbrokenly across the user's chest and downwardly over the user's abdomen, substantially rigid collar bone protectors at the upper end of said shield that extend over the user's collar bones and terminate at the rear side of same, shoulder cap guards hinged or pivotally connected to said collar bone protectors, and means for holding said shield in operative position on the user's body.

2,001,509
ELECTRIC DISCHARGE APPARATUS
Willem Uyterhoeven, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application July 3, 1933, Serial No. 678,952
In the Netherlands June 30, 1932
7 Claims. (Cl. 176—122)



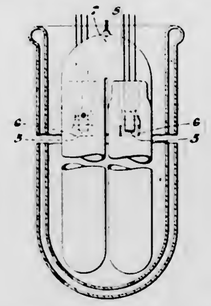
1. An electric discharge device comprising an envelope containing a cathode coated with electronically active material, an anode and an ionizable material, said anode being circular and having a corrugated surface, said anode and said cathode being separated an appreciable distance, the length of the corrugations in said anode extending toward said cathode to collect the material emanating from said cathode.

2,001,510
LAMP UNIT
Willem Uyterhoeven and Cornelis Verburg, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application March 16, 1934, Serial No. 715,951
In Germany April 4, 1933
4 Claims. (Cl. 176—122)



1. A lamp unit comprising in combination, a gaseous electric discharge lamp device comprising an elongated, tubular sealed container, a gaseous atmosphere therein comprising a metal vapor, electrodes sealed therein, a heat conservator in operative relation to said lamp device, said container having straight parts and a curved part connecting said straight parts, the inside diameter of said curved part being less than the internal diameter of said straight parts.

2,001,511
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Willem Uyterhoeven and Mari Johan Druyvesteyn, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application March 30, 1934, Serial No. 718,241
In Germany April 3, 1933
4 Claims. (Cl. 176—122)

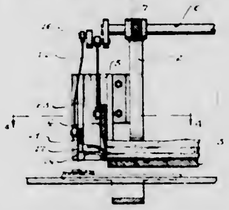


1. A lamp unit comprising in combination, a heat conservator, a gaseous electric discharge lamp device mounted in said conservator, said lamp device comprising an elongated, tubular container having parallel parts, electrodes sealed therein and a gaseous atmosphere therein comprising the vapor of a difficultly vaporizable material, the distance between the parallel parts of the container and the distance between the container and said conservator being such that the utilization factor is greater than

$$\frac{1}{n}$$

where n represents the number of parallel parts.

2,001,512
SLICING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 29, 1932, Serial No. 635,382
21 Claims. (Cl. 146—159)



19. In a meat slab slicing machine, the combination with means for the feed of a slab of meat, a cutting element, and a receiving means for cut slices of the slab, of means to control the motion of a cut slice from the slab from the time the knife starts to cut it from the slab until it comes to rest on the receiving means, including a deflecting member carried by the knife to deflect and move the slice as it is being cut to a substantially horizontal slightly curved position, and an ejecting means operable from above the deflecting member to engage the cut slice to transfer the same to said receiving means.

2,001,513
CIRCUIT BREAKER
Ernest Zurcher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 27, 1933, Serial No. 677,795
14 Claims. (Cl. 200—124)



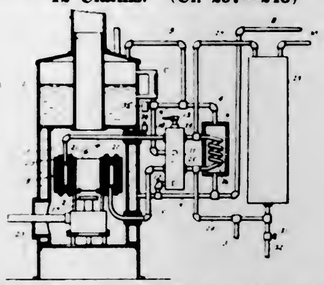
10. A circuit controlling device comprising a base member formed of insulating material and provided with ledges laterally spaced apart one from the other, a pair of fixed contacts spaced apart from each other and fastened to each of said ledges, an arc housing formed of insulating material and provided with partitions extending between said ledges and with side walls overlapping said ledges on all four sides thereof to provide flame-proof chambers for each pair of said contacts, a bridging contact mounted on said arc housing between said partitions and said side walls for movement therewith into and out of bridging circuit controlling positions with said fixed contacts, and means for operating said arc housing between said positions.

2,001,514
HIGH FREQUENCY TRANSMISSION SYSTEM FOR RAILWAYS
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 20, 1931, Serial No. 558,288
11 Claims. (Cl. 177—352)



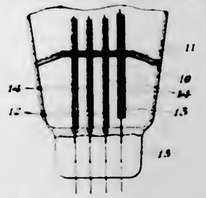
1. The combination, in a railway signal system, of a track, a continuous conductor extending along the track, a plurality of impedance means of substantially equal value permanently connecting said conductor with a rail of said track at substantially uniformly spaced intervals along the track, and means for transmitting energy from a vehicle to said rail and for receiving energy from said rail, said impedance means being so designed with relation to the distributed line constants that substantially all of the energy transfer between said rail and conductor occurs through said impedances.

2,001,515
WATER HEATER
James T. Barrow, New York, N. Y.
Application June 18, 1934, Serial No. 731,214
12 Claims. (Cl. 257—248)



1. A heating element for a water heating system, comprising two hollow semicircular members, angular lugs on the ends of said members, the lugs on one end of each member being smaller than the lugs on the other end, the larger lugs being adapted to slidably fit over the smaller lugs, thereby joining together said members into a ring-shaped container with an annular chamber inside, closing members for the sides of said ring at the joints formed by said lugs, means to tighten said closing members against said joints thereby rendering said joints leakproof, means for supporting said heating element inside of the furnace of a boiler above the burner of said furnace, and an inlet and an outlet in said container for connection with water pipes.

2,001,516
GASEOUS ELECTRIC DISCHARGE DEVICE
Cornelis Bol, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application May 16, 1933, Serial No. 671,318
In the Netherlands June 30, 1932
7 Claims. (Cl. 176—122)

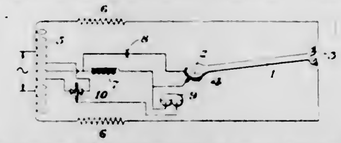


5. An electric discharge device comprising a container, electrodes and electrode leads sealed therein, a gaseous atmosphere therein, a stem fused to said container, a septum between the part of said container surrounding the discharge path between said electrodes and the stem part of said container, a tube of small diameter extending through said septum, said tube surrounding one of said electrode leads and having an inside diameter larger than the diameter of said lead.

2,001,517
METHOD OF AND APPARATUS FOR STARTING ELECTRIC DISCHARGE DEVICES
Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application October 24, 1931, Serial No. 570,959
17 Claims. (Cl. 176—45)

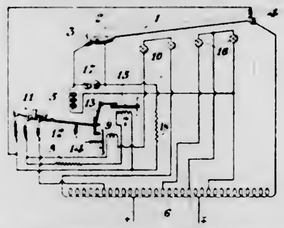
1. In combination, an electric gaseous discharge device having electrodes, means to apply

an operating potential between said electrodes, an inductance connected to one of said electrodes, a source of uni-directional current connected across said inductance independently of said dis-



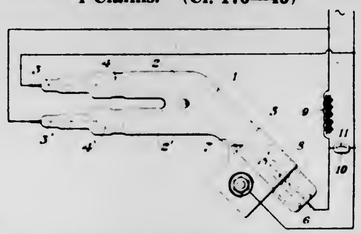
charge device, the potential of said source being materially less than that applied between said electrodes, and means to interrupt current flow from said source through said inductance.

2,001,518
METHOD AND APPARATUS FOR STARTING AND OPERATING GASEOUS ELECTRIC DISCHARGE DEVICES
Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application July 26, 1932, Serial No. 624,838
10 Claims. (Cl. 176—45)



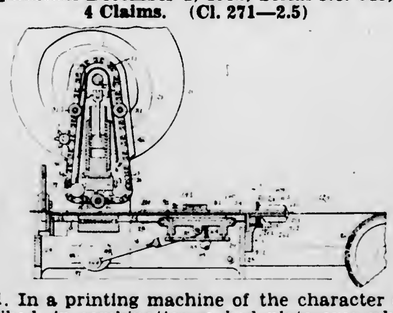
1. In combination, an electric gaseous discharge device, a ballast resistance connected in series therewith, an incandescent lamp, means to substitute said lamp for said resistance, and means to preheat the filament of said incandescent lamp before it is connected in series with said device.

2,001,519
ELECTRIC DISCHARGE DEVICE AND METHOD OF OPERATING SAME
Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application May 12, 1933, Serial No. 670,772
4 Claims. (Cl. 176—45)



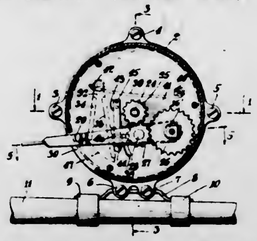
1. In combination, an electric gaseous discharge lamp of the rectifying type having an elongated arc tube, a cathode at one end thereof, and a pair of anodes at the opposite end of said arc tube, the paths from said cathode to said anodes being of unequal length, means to connect a source of alternating current between said anodes, and a connection including an inductance between said cathode and the anode which is nearer said cathode.

2,001,520
PRINTING MACHINE
Johan A. Carlson, Ashland, Mass., assignor to Lucy F. Pratt, Ashland, Mass.
Application December 1, 1932, Serial No. 645,210
4 Claims. (Cl. 271—2.5)



1. In a printing machine of the character described, in combination, a bed plate over which is fed a strip or web strung with strings and provided with notches, a feed mechanism having means movable into and out of said notches for effecting intermittent feed of said strip or web, and a cover plate co-operating with said bed plate to form a guideway for said strip or web, said cover plate being provided with an opening with which a notch in the strip or web is capable of being registered to position the notches in the strip or web in proper position to be entered by said feeding means.

2,001,521
FISHING REEL
Edward C. Cattley, Brooklyn, N. Y.
Application December 3, 1934, Serial No. 755,684
11 Claims. (Cl. 242—84.5)

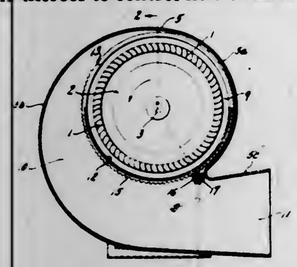


2. In a reel, a spool having a flange, a rod, a winding apparatus and a control therefor, a device for rendering at will the winding apparatus effective or ineffective, a braking means for engaging the surface of said spool flange, a single control lever for operating said device and said braking means adapted to be operated by the same hand employed in supporting the rod.

2,001,522
CENTRIFUGAL BLOWER
Thomas Chester, Detroit, Mich.
Application May 3, 1932, Serial No. 608,950
14 Claims. (Cl. 230—114)

14. In a blower of the class described and having a rotatable impeller with radially-shallow curved forwardly-inclined blades having their cavities in the direction of impeller rotation and a housing therefor having a volute collector part leading to a discharge mouth, cylindrical mask means disposed in said housing to provide an annular vortex chamber of substantial radial dimension about said impeller, said mask means

having port means and being arranged for adjustment thereof to control flow from said vortex



chamber to said volute collector part of the housing.

2,001,523

HYDROXY DIPHENYL INTERMEDIATES

Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Lynbrook, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application June 3, 1933, Serial No. 674,212
1 Claim. (Cl. 260—143)

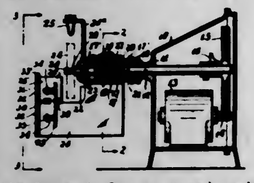
2-hydroxy 4'-nitro diphenyl.

2,001,524

ATTACHMENT FOR MEAT GRINDING MACHINES

David Cohen, New York, N. Y.

Application February 12, 1934, Serial No. 710,765
11 Claims. (Cl. 146—77)



2. An attachment for a meat grinding machine, comprising a tubular member for attachment on the body of the grinding machine axially with the drive shaft, a shaft rotative through said tubular member and having its inner end equipped with a coupling element for connection with said drive shaft and having its outer end equipped with an element for receiving and holding a tool, a platform having a tubular portion on one edge thereof engaging said tubular member, and means for holding said tubular portions in various fixed positions for holding the platform in various or inoperative positions, clamping screws threadedly engaging said tubular member for engaging against the body of the grinding machine to clamp the tubular member in position.

2,001,525

RESINOUS AND VARNISH COMPOSITION AND PROCESS FOR PREPARATION THEREOF

Roy E. Coleman, Meriden, Conn., assignor to General Electric Company, a corporation of New York

No Drawing. Application October 27, 1932, Serial No. 639,847
2 Claims. (Cl. 134—26)

1. The process of making a varnish composition which comprises heating China wood oil at an elevated temperature with about 2 to 10% by weight of boric acid, adding an oil-soluble synthetic resin of the class consisting of oil-soluble phenolic and alkyd resins, and continuing the heating until a homogeneous blend is obtained.

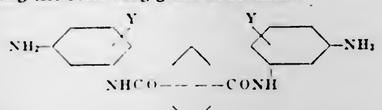
2,001,526

AZO DYES AND METHOD FOR THEIR PREPARATION

Miles Augustinus Dahlen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 30, 1933, Serial No. 663,551
12 Claims. (Cl. 260—77)

6. A process for making insoluble azo dyes which comprises tetrazotizing and coupling a diamine having the following general formula:



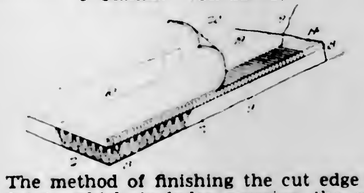
in which Y represents a hydrogen, halogen, alkyl or alkoxy group, with an arylamide of 2,3-hydroxy-naphthoic acid, wherein the arylamide is derived from an arylamine selected from the group consisting of amino-benzenes and amino-naphthalenes.

2,001,527

CONSTRUCTION OF RUGS OF PILE FABRICS

Charles Herbert Davison, Edgerstoune, Princeton, N. J.

Application January 11, 1935, Serial No. 1,313
5 Claims. (Cl. 28—1)



1. The method of finishing the cut edge of a pile fabric which includes severing the entire fabric, both backing and pile tufts, without loss of the material of either; overcasting the backing wefts at and immediately adjoining said cut edge with stitches of thread extending over the backing at the roots ot the pile tufts, and encircling said wefts at the back and cut edge of the fabric so as to bind the edge of the fabric and prevent raveling thereof; coating the back of the fabric with elastic cement overlying said overcast stitches and an adjoining strip of the fabric backing; and covering said cement with a flat band of tough material secured parallel with the plane of the fabric by said adhesive and with one edge of said band flush with the cut edge of the fabric.

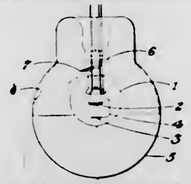
2,001,528

GASEOUS ELECTRIC DISCHARGE DEVICE

Willem de Groot and Mari Johan Druyvesteyn, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application September 14, 1932, Serial No. 633,144
In the Netherlands September 18, 1931
5 Claims. (Cl. 176—122)

1. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein comprising a condensible metal vapor, and an envelope surrounding said container, a film of metal interposed between the



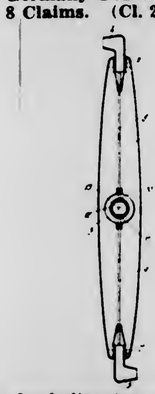
inner wall of said envelope and the outer wall of said container and adapted to reflect the infra-red radiations back to said container to prevent condensation of said metal vapor.

2,001,529

ROTOR FOR HELICOPTERS

Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany

Application January 22, 1934, Serial No. 707,831
In Germany February 2, 1933
8 Claims. (Cl. 244—18)



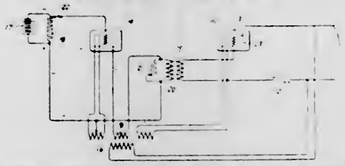
1. A rotor for helicopters comprising a pair of airfoils mounted for rotation about a common axis and formed with axial gas passages, a reaction nozzle mounted at the outer end of each airfoil for adjustment about an axis substantially parallel to the longitudinal axis of said airfoil, and means for adjusting each nozzle.

2,001,530

ELECTRIC DISCHARGE DEVICE SYSTEM

George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application March 20, 1930, Serial No. 437,627
6 Claims. (Cl. 250—27)



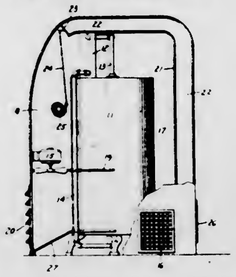
4. The combination of a vapor electric discharge device provided with a grid for controlling the starting of current between its cathode and anode, a circuit for applying an alternating potential to said grid including a source of alternating current, and a space discharge device connected in series with one winding of a transformer, the other transformer winding being connected to said grid, and means for varying the impedance of said space discharge device variably to distort the wave form of said alternating potential.

2,001,531

HEATING APPARATUS

Chester I. Hall, Philadelphia, Pa., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application February 18, 1932, Serial No. 593,785
2 Claims. (Cl. 237—2)



1. A room air heating unit comprising an enclosing casing having its bottom near the floor and provided with spaced apart openings adjacent the bottom thereof for admitting and exhausting air, a high temperature heat storage means mounted within said casing to provide a vertical dividing wall between said openings, a radiator mounted at the top of said heat storage means and connected to be heated thereby, means including a fan for circulating air through one of said openings at one side of said wall over said radiator to be heated to a high temperature and exhausted through the other opening, a mixing chamber for receiving the air after passing over said radiator, an air duct in the casing for conducting air at room temperature through an opening at said one side of said wall to said mixing chamber, a valve controlling the admission of said room temperature air through said air duct to said mixing chamber, and a thermostatic element responsive to the temperature of the air in said mixing chamber for controlling said valve to provide an air mixture of a predetermined temperature in said mixing chamber.

2,001,532

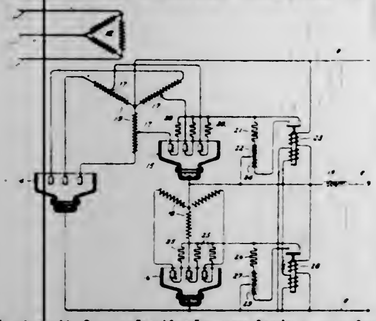
SYSTEM OF ELECTRICAL DISTRIBUTION

Helmut Hintze, Kopenich-Wendenschloss, Germany, assignor to General Electric Company, a corporation of New York

Application September 5, 1933, Serial No. 688,264
In Germany September 26, 1932
5 Claims. (Cl. 171—97)

5. In a system of electrical distribution, a three-wire Edison direct-current load circuit, a source of direct current connected to the outer terminals of said load circuit, a source of alternating current, an auxiliary full-wave rectifier including a transformer network energized from said alternating current circuit and provided with an electrical midpoint connected to the neutral of said load circuit, a group of electric valves interconnecting the several terminals of said network with the positive side of said direct-current circuit, a group of valves interconnecting the several terminals of said network with

the negative side of said load circuit, and means responsive to an electrical unbalance of said

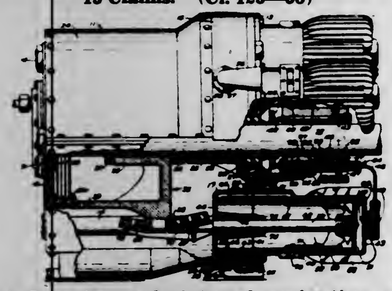


load circuit for selectively rendering conductive only one of said groups of valves.

2,001,533

INTERNAL COMBUSTION ENGINE

Herbert W. Houston, North Hollywood, Calif.
Application July 20, 1929, Serial No. 379,772
15 Claims. (Cl. 123—58)



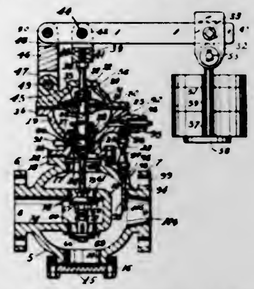
14. In a two-cycle internal-combustion cam-engine, the combination of: a crank shaft, a cylinder having an exhaust port and an intake port; a piston slidable in said cylinder parallel with said shaft through successive compression and power strokes and adapted to open said ports at the end of a power stroke and to close said ports at the beginning of a succeeding compression stroke; and a cam for controlling the movement of said piston, said cam having a power portion cooperating with said piston during an expansion stroke thereof, a compression portion for moving said piston through a compression stroke, and an intermediate exhaust portion having a dwell extending throughout a sufficient portion of the cam cycle to hold said piston stationary for a substantial length of time between the end of a power stroke and the beginning of a succeeding compression stroke to provide a prolonged scavenging interval.

2,001,534

FLUID PRESSURE REGULATOR

Ralph C. Hughes, Anderson, Ind., assignor to Reynolds Gas Regulator Co., Anderson, Ind., a corporation of Indiana
Application January 29, 1932, Serial No. 589,663
2 Claims. (Cl. 50—27)

1. In pressure regulators the combination with a valve casing of the bridge wall type formed with inlet and outlet ports and having a central opening in its upper wall and a vertical aperture adjacent said outlet port, of a valve mounted on the bridge wall, a diaphragm casing mounted on said valve casing and having a reduced guide aperture in its lower section registering axially with said central opening, and a lateral wall aperture, control means for said valve including a diaphragm in said diaphragm casing above said lateral wall aperture, the said diaphragm being responsive to pressure therebeneath, stem means movable through said guide aperture operatively connecting said diaphragm and valve, a tubular

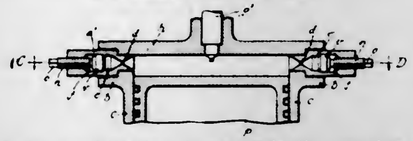


stem mounted in said vertical aperture of the valve casing and extending through the latter aperture and into the casing to a point spaced from the bridge wall and in a plane common with the inner end of said outlet port, and a detachable tubular connection between said tubular stem and said lateral wall aperture.

2,001,535

INTERNAL COMBUSTION ENGINE

Franz Lang, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein
Original application December 1, 1930, Serial No. 499,224. Divided and this application November 1, 1933, Serial No. 696,155. In Germany December 27, 1929
3 Claims. (Cl. 123—48)



3. In combination in an injection engine, a cylinder and a head therefor, a piston operating in the cylinder and, when in its position of maximum compression, defining with said head and the adjacent end portion of said cylinder a combustion space, an injection nozzle disposed to inject fuel directly into said space, a cylindrical air storage chamber opening into said combustion space through a Venturi nozzle defining a restricted orifice and two passages leading thereto, said passages leading from and flaring toward said combustion space and said air storage chamber, respectively, a cylindrical valve fitting snugly within said air storage chamber and forming a fluid tight closure with the circumferential wall thereof, and means for adjusting said valve lengthwise of said air storage chamber.

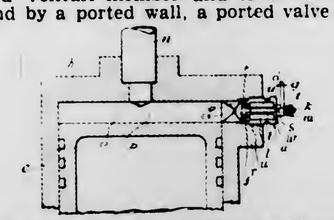
2,001,536

INTERNAL COMBUSTION ENGINE

Franz Lang, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein
Original application December 1, 1930, Serial No. 499,224. Divided and this application November 1, 1933, Serial No. 696,156. In Germany March 6, 1929
2 Claims. (Cl. 123—32)

2. In combination in an injection engine, a cylinder and a head therefor, a piston operating

in the cylinder, an injection nozzle disposed to inject fuel into the combustion space of the cylinder, an air storage chamber comprising a Venturi member opening into said combustion space and a casing extending from the outer end of said Venturi member and closed at its inner end by a ported wall, a ported valve at the

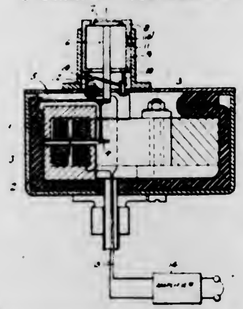


inner side of said wall and defining with said wall and the outer portion of said Venturi member an air storage chamber of fixed capacity, said casing also defining an air storage chamber of fixed capacity, and means for adjusting the valve and thereby controlling communication between said chambers of said air storage chamber.

2,001,537

STETHOSCOPE

Cyril Arthur Mason, Northampton, England, assignor to General Electric Company, a corporation of New York
Application March 3, 1934, Serial No. 713,903
In Great Britain March 6, 1933
5 Claims. (Cl. 181—24)

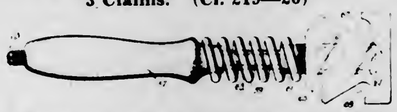


1. In a stethoscopic apparatus, a microphonic device including a movable member, a disc adapted to be pressed into contact with a body thereby to be vibrated by sounds to be transmitted from said body, means to transmit the vibrations of said disc to said movable member, and means to maintain substantially constant the pressure of said disc against said body.

2,001,538

HEATING TOOL

Oscar B. Mueller, Charles A. Hill, and John W. Tielking, Port Huron, Mich., and Gordon R. Jones, Rochester, N. Y., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application June 2, 1933, Serial No. 674,010
3 Claims. (Cl. 219—26)

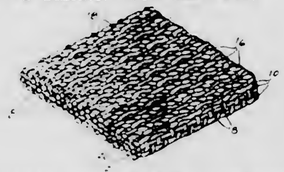


1. A soldering tool comprising an electrical resistance heating unit, and a head fitted to said unit and enclosing the same, said head comprising a block of metal of good heat conductivity, and at least one notch in said head, said notch being bottomed by a semi-cylindrical portion having a circular surface in excess of 180° of arc, whereby said notch is adapted to receive a pipe and closely surround the same over more than half of the circumference thereof.

2,001,539

BRAKE LINING WITH METALLIC LUBRICATION

William Nanfeldt, Clifton, N. J., assignor to World Bestos Corporation, Paterson, N. J., a corporation of Delaware
Application July 9, 1931, Serial No. 549,795
3 Claims. (Cl. 139—425)

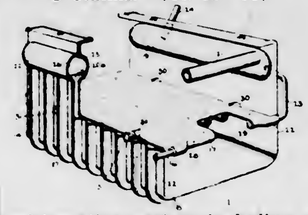


1. In a brake lining a plurality of layers of fabric composed of warp and woof threads, said threads being formed of felted short fibred asbestos yarn containing supporting filaments, and a plurality of binder threads positioned at spaced intervals across the lining and woven longitudinally of said lining over at least one of the woof threads in the uppermost layer down through the lining and under at least one of the woof threads in the lowermost layer and up again through the lining and over an adjacent woof thread of the uppermost lining, said binder threads being formed of long fibred asbestos yarn containing a lead wire.

2,001,540

EVAPORATOR FOR REFRIGERATING SYSTEMS

Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 1, 1933, Serial No. 678,628
3 Claims. (Cl. 62—95)



1. A refrigerating system including a flooded evaporator having a header and a depending refrigerant-circulating portion, a cast metal shelf secured to said depending portion and having a refrigerant conduit embedded therein, means for circulating liquid refrigerant through said conduit and for then supplying said liquid refrigerant to said evaporator, and means for withdrawing gaseous refrigerant from said header.

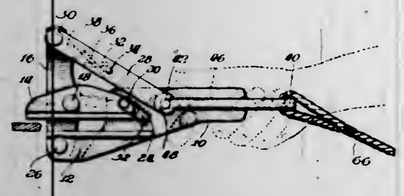
2,001,541

WIRE GRIPPING TOOL

Lorence O'Russa, Princeville, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois
Application June 5, 1933, Serial No. 674,337
7 Claims. (Cl. 24—134)

6. In a gripping tool, the combination of a pair of jaws, means for relatively moving said jaws,

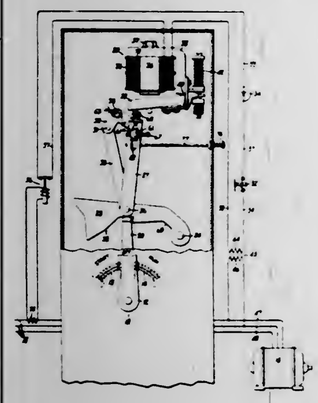
an element to maintain said jaws in substantial parallelism when moved relative to each other by said means, a clevis pivotally connected to said means for applying a force thereto, a spring tensioned to move said jaws to closed position, and an element connected to said clevis and operated by swinging movement thereof to cause said clevis to move laterally and by force applied to said element to separate said jaws.



2,001,542
UNDERVOLTAGE PROTECTIVE SYSTEM

Joseph W. Owens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 19, 1933, Serial No. 694,273
9 Claims. (Cl. 175—294)

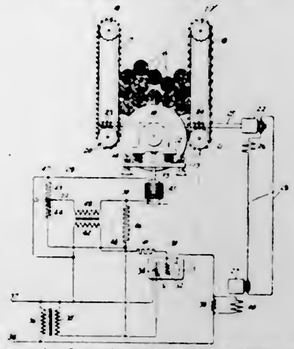


1. In combination, a switch biased to open position, means for holding the switch in the closed position comprising a relatively movable member operable into engagement with the switch in the circuit closing position and arranged to be moved by the switch upon operation thereof from the circuit closing position, locking means for said member for preventing said movement by said switch, an electromagnet provided with an armature and a normally closed magnetic circuit, means for biasing said armature from an attracted position into operative position with said locking means, means including a rectifier for energizing said electromagnet through a normally closed electrical circuit, and means for mechanically moving said armature to said attracted position, whereby said electromagnet maintains said armature in said attracted position a predetermined time interval after a reduction in its energization.

2,001,543
CONTROL SYSTEM

John H. Payne, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York

Application January 28, 1930, Serial No. 424,053
11 Claims. (Cl. 83—75)

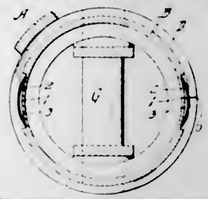


2. In a control system for a machine provided with a work performing member, a drive shaft supporting said member, resilient means mounting said shaft and providing for deflections of said shaft proportionally to the pressure of the load thereon, means for supplying a material to said work performing member, a control circuit including a compressible carbon pile resistance, means mounting said resistance so that a pressure is applied thereto in response to the deflection of said shaft so as to vary the current in said circuit in proportion to the magnitude of said deflections, and means responsive to the current in said circuit for controlling said material supplying means so that the supply of said material is proportional to the variations in said current.

2,001,544
ANTIPISTON SLAP MEANS

Harold P. Phillips, Maplewood, Mo.

Application July 13, 1931, Serial No. 550,374
3 Claims. (Cl. 309—5)



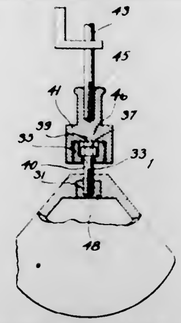
1. In combination with a piston and a one piece split ring fitted in the groove thereof, of a pair of piston centralizers each comprising a short strip of arc shaped resilient material with the ends thereof seated in grooves milled in the base of the ring groove and each pair of centralizers disposed diametrically opposite each other to exert an outward thrust against the fitted ring at diametrically opposite points and at a right angle to the longitudinal axis of the wrist pin carried by the piston.

2,001,545
VALVE

Jacob Podolsky, Dorchester, Mass.

Application June 20, 1929, Serial No. 372,380
25 Claims. (Cl. 4—56)

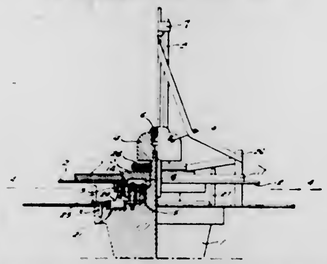
1. A valve having, in combination, two members, one a valve body and the other a lifting rod, one of the members having an internally threaded socket, a threaded sleeve threaded in the socket and having alined openings of different dimensions, and the other member having an enlarged portion in the larger opening, there being a universal connection between the other member and the sleeve, whereby the valve body is permitted universal play to become snugly seated upon a valve seat.



2,001,546
MACHINE FOR COVERING ELECTRICAL WIRES OR TAPES

Gaston Pourtier, Romainville, France

Application September 30, 1931, Serial No. 566,108
In France September 30, 1930
4 Claims. (Cl. 117—45)



1. In a wire-covering machine a rotatable winding head, a device for supporting a coil of covering material mounted to rotate coaxially with said head and driven thereby and also rotatable relatively to said head, a tension controlling device mounted for movement substantially about the axis of said head and having a guide for engagement with the material being wound, a pawl for holding said supporting device from rotation relatively to said head, a throw-out device movable with the guide for disengaging the pawl and a spiral spring surrounding the axis of rotation for controlling said guide.

2,001,547
METHOD OF OPERATING PLUNGER LIFT APPARATUS

Norman H. Ricker, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas

Application February 13, 1932, Serial No. 592,825
2 Claims. (Cl. 103—5)

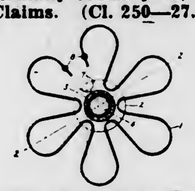
1. A method of raising liquid from wells having an eduction tube therein comprising introducing a barrier below a load of liquid in said tube, reducing the air pressure in said tube above said load, providing for full atmospheric pressure on the liquid outside said tube and below said barrier, and thus raising said barrier with its load by atmospheric pressure.



2,001,548
CATHODE FOR ELECTRIC DISCHARGE DEVICES

Edgar Römhild, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York

Application January 15, 1932, Serial No. 586,933
In Germany January 22, 1931
6 Claims. (Cl. 250—27.5)

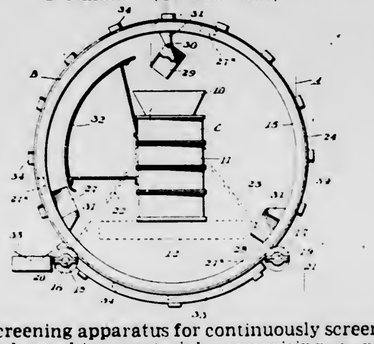


3. A cathode for an electron discharge device comprising a metallic strip having recurrent loops which form in the aggregate; roughly a cylinder, a support member mounted in the axis of the cylinder, and extending over and secured to the edges of said loops.

2,001,549
SCREENING APPARATUS

Thomas Sandy, Goderich, Ontario, Canada

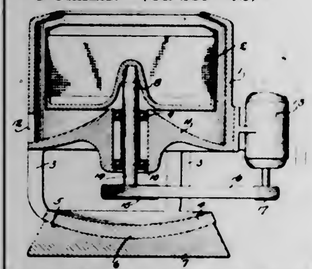
Application January 21, 1933, Serial No. 652,792
In Canada August 18, 1932
4 Claims. (Cl. 209—284)



1. Screening apparatus for continuously screening and crushing materials comprising a rotatably mounted screen, a crushing device cooperatively associated with the screen, a series of carrier buckets pivotally supported within the

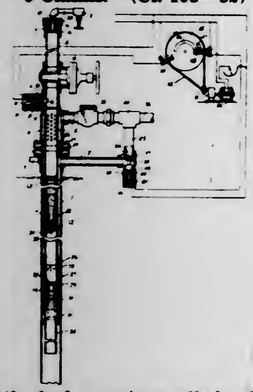
screen, guide means for retaining the carrier buckets and regulating the dumping movement thereof and trough means for collecting the screened materials.

2,001,550
CENTRIFUGAL
Fletcher Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 27, 1929, Serial No. 381,416. Divided and this application June 11, 1932, Serial No. 616,617
8 Claims. (Cl. 210—72)



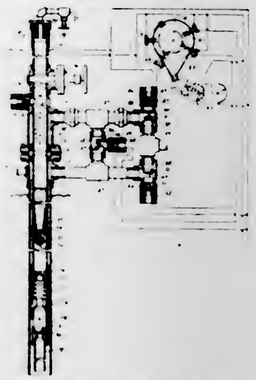
6. In a self-balancing machine of the open top type, the combination of a tub, a basket mounted for rotation within the tub, and a single sliding bearing concentric with the basket and constituting the sole support of the tub.

2,001,551
PLUNGER LIFT APPARATUS
Clarence N. Scott, Houston, Tex.
Application March 15, 1934, Serial No. 715,648
6 Claims. (Cl. 103—52)



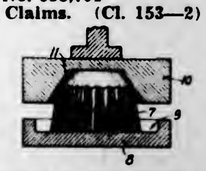
1. A method of pumping wells having a casing and an eduction tube and having gas under pressure therein, including releasing gaseous fluid pressure from the said casing and tubing to relieve the pressure in the well and in the producing formation adjacent thereto and permit the fluid to flow freely into the well and build up to the desired liquid level in said tubing and casing, dropping a freely moving plunger into said tube, interrupting escape of gas from and building up gaseous fluid pressure in the casing to depress the level of the liquid in said casing, introducing said built-up pressure fluid into said tube below said plunger, raising said plunger with its load of liquid to the surface and discharging said load, retaining said plunger at the upper end of said tube, and again releasing fluid pressure from said tubing and casing and repeating the operation.

2,001,552
PLUNGER LIFT CONTROL DEVICE
Clarence N. Scott, Houston, Tex.
Application March 15, 1934, Serial No. 715,649
3 Claims. (Cl. 103—52)



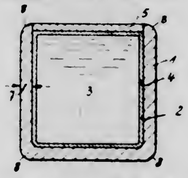
1. In a plunger lift apparatus including a well casing an eduction tube therein having a fluid outlet at its upper end and a plunger movable freely therein, the method of operation including accumulating a load of liquid above said plunger, employing gas pressure below said plunger to engage and to raise said plunger and its load of liquid to the surface and discharging said liquid, closing said outlet to prevent discharge of gas from below said plunger and trapping said gas in said tube, releasing the gas pressure in the casing outside the tube to allow fluid from the producing formation to freely enter the well and casing and build up liquid level in same, closing the casing against further release of gas, and allowing discharge of gas from said tube to said casing, closing off the passage of gas from said tubing to said casing, opening the said outlet from the tube to release gas pressure from same, and allow liquid to transfer from the casing as accumulating gas from the formation builds up pressure and depresses it in said casing and build up said liquid in the tubing to the desired level, dropping said plunger into said tube to a point below the level of liquid in same, and repeating the operation.

2,001,553
METHOD OF MANUFACTURING RADIALLY CORRUGATED DISKS
John A. Spencer, Newtonville, Mass., assignor, by mesne assignments, to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Original application June 26, 1930, Serial No. 463,961. Patent No. 1,895,590, dated January 31, 1933. Divided and this application January 26, 1933, Serial No. 653,701
3 Claims. (Cl. 153—2)



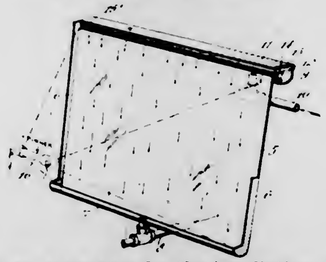
2. The method of manufacturing radially corrugated snap-acting disks which comprises preparing an endless blank, corrugating said blank and imparting to the individual corrugations a rounded contour, compressing the corrugations at one edge of the blank, while at the same time expanding the corrugations at the other edge of the blank, thereby imparting an approximately disk shape to the blank, and leaving the central portion of the disk shape slightly displaced from the peripheral portion.

2,001,554
BEVERAGE PRODUCT
Karl Wilhelm Süssmuth, Langenau, near Ulm, Germany
Application July 15, 1933, Serial No. 680,557
In Germany July 22, 1932
1 Claim. (Cl. 99—11)



Preserved beverage comprising a closed shell of fine-grained compressed sugar, a body of a plant extract saturated with sugar enclosed in said shell, and a lining of crystallized sugar separated out from said body on the inner wall of said shell.

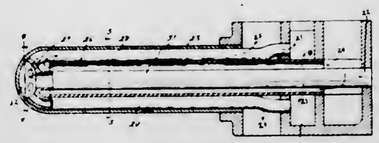
2,001,555
DEVICE FOR THE IRRADIATION OF MILK WITH ULTRAVIOLET RAYS
Henning A. Trebler, Baltimore, Md., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application March 15, 1934, Serial No. 715,577
9 Claims. (Cl. 99—2)



1. In an apparatus for the irradiation of flowing liquid films, one or more inclined or vertical surfaces over which said liquid flows, a trough connected to the upper edge of each of said surfaces, a knife edge at the junction between said trough and said surface, one or more baffles in said trough to disperse air or gas bubbles, and to hold back foam and suspended particles in the liquid before said liquid flows over the irradiation surfaces.

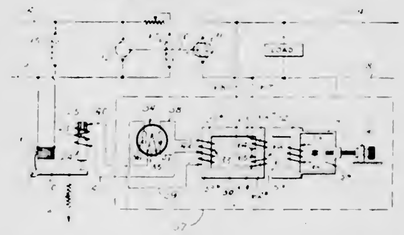
2,001,556
FLUID COOLED SUPERHEATER CONSTRUCTION
Charles S. Turner, Detroit, Mich.
Application May 2, 1931, Serial No. 534,490
7 Claims. (Cl. 122—481)

1. A fluid-cooled superheater tube unit, having, in combination with an outer shell adapted for inlet and outlet connection at the same end with an external steam supply source, the other end of said shell being closed, cooling fluid conducting pipes arranged within said outer shell in position to conductively receive heat units imparted to certain external surface portions thereof from an outside source and adapted in turn to modifyingly transmit the normally lower temperature of their contents to certain of the spaces



within said outer shell not occupied by such pipes, and an interiorly positioned steam pipe for introducing a supply of steam adjacent the closed end of said outer shell, whence it is adapted to emerge, while subjected to the thermal influences described, through the available lengthwise passages therein.

2,001,557
ELECTRIC REGULATION
Louis H. Von Ohlsen, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application April 19, 1933, Serial No. 666,812
21 Claims. (Cl. 171—119)

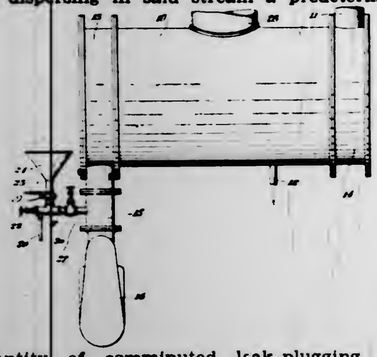


12. In a system of the character described, in combination, a rotating member whose speed is to be controlled, electro-responsive means for controlling the speed of rotation thereof, means producing a varying E. M. F. whose frequency is a function of the speed of rotation of said member, reactance coupling means, means energizing said electro-responsive means through said reactance means at a certain current value corresponding to the speed at which said rotating member is to rotate, and means for varying the energization of said electro-responsive means with change in frequency comprising a separate and isolated resonant circuit inductively coupled to said reactance means, said resonant circuit having the characteristic of change in impedance with change in frequency of the current energizing said resonant circuit.

2,001,558
METHOD AND MEANS FOR TEMPORARILY PLUGGING CONDENSER LEAKS
Oscar J. Wheeler, Jersey City, N. J.
Application March 1, 1933, Serial No. 659,109
5 Claims. (Cl. 137—99)

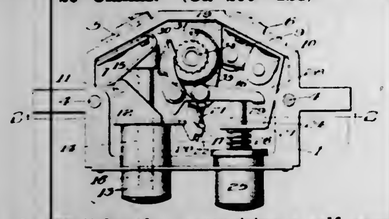
1. The combination with a water-tube condenser including an inlet conduit for the cooling water, of means for injecting a stream of fluid

into said inlet conduit at high velocity, and means for dispersing in said stream a predetermined



quantity of comminuted leak-plugging solid material.

2,001,559
CIRCUIT BREAKER
Gustav O. Wilms, Milwaukee, Wis., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 16, 1929, Serial No. 414,377
20 Claims. (Cl. 200—124)



1. A circuit breaker comprising a self-opening switch, a support, a catch carried by said support to hold said switch closed, thermally operated means arranged upon one side of said support to trip said catch and permit said switch to open, an electric heater arranged upon the other side of said support and connected in circuit with said switch to generate heat to operate said means, and manually operated means to trip said catch independently of said thermally operated means.

2,001,560
LISTER PLANTER
Herman E. Altgelt, South Bend, Ind., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Application October 19, 1932, Serial No. 638,489
22 Claims. (Cl. 97—72)



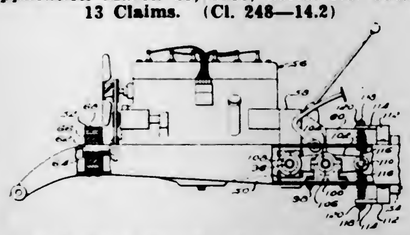
1. A planter comprising a front frame, a rear frame pivoted to said front frame, press wheels for supporting said rear frame, adjustable gauge wheels for said front frame, a plurality of ground engaging tools carried by said front frame, and means associated with said frames and operatively connected with said press wheels for raising said front frame relative to said rear frame and for raising said gauge wheels off the ground and said tools out of the ground.

2,001,561
TRANSFER FILE CASE
Henry J. Anglin, Morristown, N. J.
Application August 24, 1932, Serial No. 630,304
4 Claims. (Cl. 229—19)



1. In a filing case, the combination with an outer containing case, of a drawer cradle member comprising side supporting walls and a swing supported from the upper parts of the side walls and a sliding drawer in the cradle.

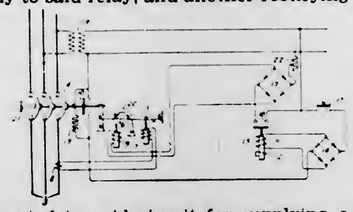
2,001,562
MOTOR MOUNTING
William Harold Bagley, Jr., Detroit, Mich., assignor of thirty per cent to James A. Bent and thirty per cent to Ralph J. Welch, both of Detroit, Mich.
Application March 25, 1933, Serial No. 662,685
13 Claims. (Cl. 248—14.2)



1. In a motor vehicle, the combination with a chassis frame and an engine mounted therein for driving the vehicle, of means for supporting said engine for limited vibratory movement around a line extending in approximately longitudinal relation with respect to the engine, and means for dampening said movement including an arm rigid with the engine and adapted to vibrate therewith, a movable member carried by said frame and connected with said arm to be vibrated thereby in a path transverse to the plane of vibration of said arm, and means interposed between said member and said frame for cushioning the vibrations of said member.

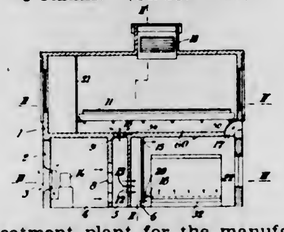
2,001,563
CONTROL OF CIRCUIT BREAKERS
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application August 15, 1934, Serial No. 739,921
6 Claims. (Cl. 175—294)

1. In combination with an alternating current circuit, a circuit breaker for controlling said circuit and means for controlling the closing of said circuit breaker including a closing mechanism having an energizing winding and a relay having a delayed drop-out when deenergized subsequently to energization by a unidirectional current for controlling the circuit of said winding, rectifying means arranged to be connected to said circuit for supplying a unidirectional current directly to said relay, and another rectifying means



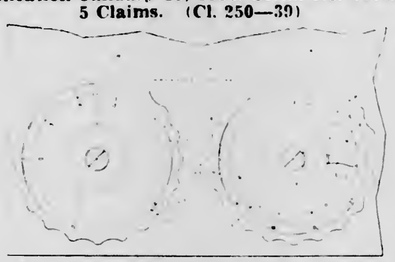
connected to said circuit for supplying a unidirectional current to said closing mechanism winding when said relay picks up.

2,001,564
APPARATUS FOR AERATING BEER WORT
Karl Barth and Karl Schuler, Munch, and Julius Wanger, Aubing, Germany
Application December 14, 1931, Serial No. 580,828
6 Claims. (Cl. 261—119)



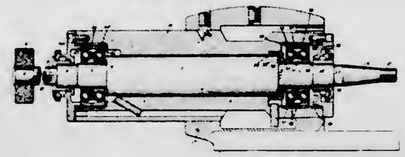
1. A treatment plant for the manufacture of beer wort, comprising a room having a cooling floor for containing beer wort, a plurality of compartments beneath said room each in communication with the other, an air pressure fan in one compartment, for forcing air through the other compartment and room, and means intermediate the compartments for filtering air passed through said compartment and room, a valve-controlled conduit between the compartments in communication with the room, and air discharge means in the room controlling the escape of air therefrom, the air in said room being under positive pressure and distributed uniformly over the beer wort as a closed veil on said cooling floor.

2,001,565
INTERPOLATING DEVICE
Anatole P. Berejkoff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 18, 1934, Serial No. 707,230
5 Claims. (Cl. 250—39)



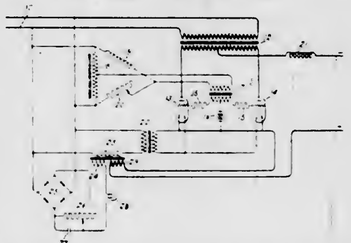
1. The combination of means to produce a beat frequency between oscillations the frequency of which is to be indicated and other oscillations, means including a variable position device to control the frequency of said other oscillations to produce a zero beat in a certain position of said variable position device and a definitely recognizable beat when said variable position device is in positions on either side of said certain position and removed therefrom by equal distances, an index for said variable position device movable over a fixed calibrated scale, a movable calibrated scale cooperating with said fixed scale, having calibrations thereon representing values equal to the calibrations on the fixed scale and spaced apart by distances double the spacing of the calibrations on the fixed scale whereby the frequency of said oscillations may be determined by moving the index to a position on the fixed scale where said readily recognizable beat is produced, moving the corresponding calibration on the movable scale to the same position, then moving the index to the other position where the recognizable beat is produced and determining the frequency from the movable scale.

2,001,566
ANTIFRICTIONALLY MOUNTED SPINDLE
Harold E. Brunner, Larchmont, N. Y., assignor, by mesne assignments, to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 11, 1933, Serial No. 670,397
11 Claims. (Cl. 308—189)



1. The combination with a spindle having at each end a neck formed on its perimeter with a cylindrical bearing seat, of a quill having hollow cylindrical bearing seats formed at its respective ends, and two self-aligning anti-friction bearings having cylindrical bores in their inner rings tightly fitted upon the bearing seats of the spindle necks, the end faces of each of such inner race rings being entirely open, clear and free, the outer race rings of such bearings being mounted in the bearing seats formed in the quill.

2,001,567
ELECTRIC VALVE TRANSLATING CIRCUIT
Byron A. Case, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 22, 1933, Serial No. 703,565
3 Claims. (Cl. 175—363)



1. An electric translating system including a source of alternating current and an electric

valve provided with a thermionic cathode, a circuit for energizing said cathode from said source including a saturable reactor, means for normally constantly saturating said reactor, and means responsive to an electrical condition of said system for modifying the saturation of said reactor to regulate the heating of said cathode.

2,001,568
LUBRICATING DEVICE
John L. Creveling, Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application September 17, 1931, Serial No. 563,403
7 Claims. (Cl. 221—47.4)



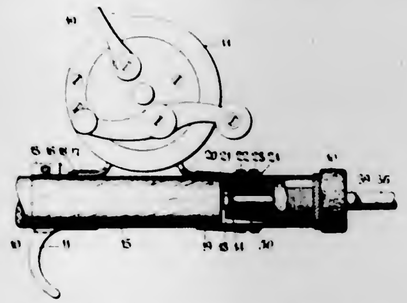
1. In combination, a lubricating gun including a pressure pump having a pump cylinder provided with an inlet passageway, a lubricant cartridge comprising an original lubricant package, said package being open at one end, a follower piston in said cartridge located between the opposite end of the cartridge and its lubricant contents, and a member providing a lubricant tight quick attachable-detachable friction type closure for said open end of said cartridge, said closure being substantially permanently fixed to said lubricant gun, said closure being disposed in a plane substantially perpendicular to the axis of said pump cylinder, said lubricant inlet passageway being located inwardly of the inner side of said lubricant cartridge closure member, said pump being so arranged with respect to said closure as to tend to tighten the closure during the normal pressure stroke of the pump.

2,001,569
BOBBIN
William E. Kiefer, Allentown, Pa.
Application July 8, 1933, Serial No. 679,549
5 Claims. (Cl. 242—118)



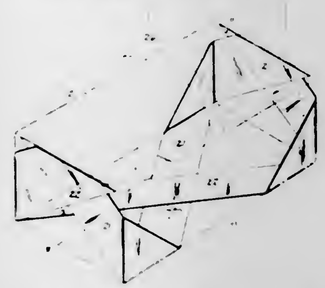
1. A textile bobbin having a head consisting of a laminated disk comprising layers of paper and textile fabric both impregnated with a hardened binder, said paper extending radially beyond the fabric to form the extreme peripheral section of the disk from which the fabric is excluded, said peripheral section providing a smooth bearing surface for yarn withdrawn axially from the bobbin over the edge of the head and preventing contact of said yarn with the fabric.

2,001,570
LINE DRIER
Albert S. Fenton, Buffalo, N. Y.
Application March 30, 1934, Serial No. 718,285
3 Claims. (Cl. 242—104)



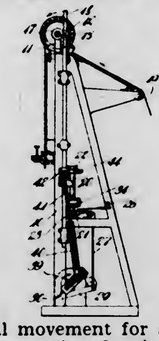
3. A line drier for engagement with a rod butt having a socket in one end thereof comprising a rotatable hub, a plurality of arms connected to said hub for engaging a line, supporting means extending through said hub for rotation of the hub thereon at one end and a tapered resilient member carried on the other end of said means for engagement with a rod butt socket.

2,001,571
BASKET
William H. Grinfin, Cleveland, Ohio
Application March 31, 1934, Serial No. 718,467
6 Claims. (Cl. 217—122)



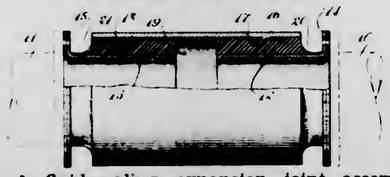
1. In a basket, a body comprising a bottom, end walls and side walls, and a pair of bracing members, the bracing members each extending diagonally across the bottom of the basket body, each end portion of each of the bracing members extending around a vertical corner between the bottom and a side wall of the basket body and around a vertical corner between the side wall and an end wall of the basket body, and being secured adjacent the upper margin of the end wall.

2,001,572
FEEDING DEVICE
Urban C. Haren, Akron, and John P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 7, 1933, Serial No. 701,286
1 Claim. (Cl. 74—117)



A mechanical movement for actuating a machine element in a series of reciprocal movements of successively different amplitude, comprising a driven crank shaft, a lost motion pitman, means operatively connecting said pitman with said machine element and said crank shaft for advancing the machine element positively in one direction, an abutment fixed to the machine element to limit its return movement, a series of stops arranged to be moved successively into the path of said abutment in paths perpendicular to the direction of movement of said machine element, and means actuated by the crank shaft for advancing the stops in succession.

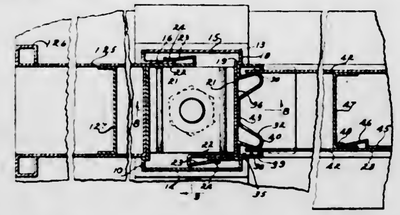
2,001,573
FLUID SEALING EXPANSION JOINT
Fred L. Haushalter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 31, 1934, Serial No. 742,249
10 Claims. (Cl. 285—90)



1. A fluid-sealing expansion joint assembly comprising as a structural unit inner and outer sleeve structures arranged telescopically for relative axial movement, respective pipe-attaching elements in association therewith, and a body of rubber filling the radial space between said sleeve structures in fluid-sealing and non-slipping relation thereto and leaving the adjacent ends of the structures axially free and resisting relative axial movement of the sleeve structures by shear stress of the rubber.

2,001,574
METAL PARTITION
Ludwig G. Jacobson, Jamestown, N. Y., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y., a corporation of New York
Application November 8, 1929, Serial No. 405,643
16 Claims. (Cl. 189—34)

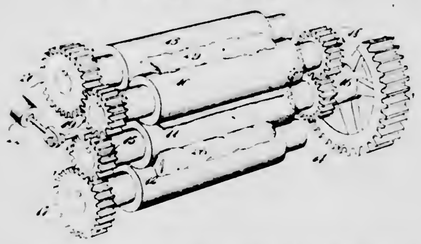
6. In partition construction, a pilaster comprising two elements, means removably engaging said elements, and an adjusting device engageable with said elements and adapted to move said elements laterally relative to each other while said partition is assembled.



10. In partition construction, a subcornice, a channel clip joined to one face of said cornice, a panel frame, walls defining a longitudinally extending recess in the outer face of said frame for receiving said clip and vertically aligning said cornice and said frame.

13. In partition construction, pilasters, panel frames supported by said pilasters, panels in said frames, and clips on the inner edges of said frames for frictionally and adjustably supporting said panels relative to said frames.

2,001,575
METHOD OF COATING CORD MATERIAL
James V. James, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 23, 1934, Serial No. 717,006
3 Claims. (Cl. 154—2)

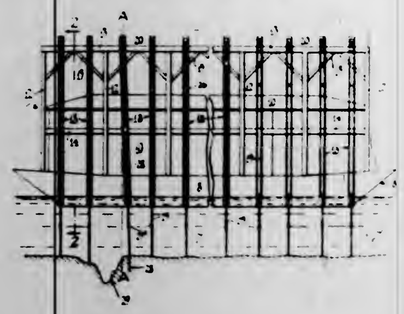


1. The method of coating and filling the interstices of a sheet comprising textile cords which comprises applying a layer of plastic material to one face of the sheet while the sheet is supported by a roll to hold the cords in the desired relation, and without removing the sheet from its support, wiping plastic into its interstices from the opposite face of the sheet and simultaneously forming a coating over the face of the sheet.

2,001,576
UNDERWATER DRILLING APPARATUS
Algot F. Johnson, Minneapolis, Minn.
Application February 6, 1935, Serial No. 5,243
5 Claims. (Cl. 255—51)

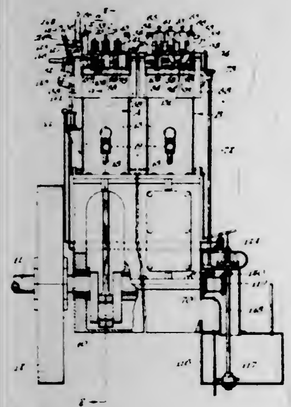
1. In an underwater drilling apparatus, the combination with a barge, of a guide-way vertically disposed in laterally offset relation to an edge of the barge, means for anchoring the guideway to the barge for limited pivotal adjusting movements in the plane of the said edge of the barge, a sand pipe mounted for vertical sliding movements on the guide-way, and a drill operating mechanism mounted for vertical sliding movements on said guide-way above the sand pipe and having a drill rod extending therefrom and

normally through the sand pipe but being removable from the sand pipe by sliding the drill mech-



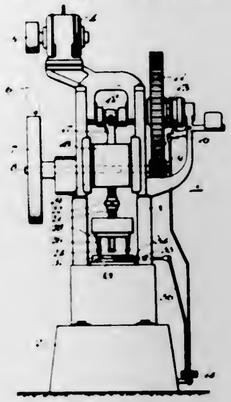
anism on the guide-way in respect to the sand pipe.

2,001,577
RECIPROCATING ENGINE
John H. Johnson, Buffalo, Minn.
Application July 23, 1932, Serial No. 624,232
7 Claims. (Cl. 60—16)



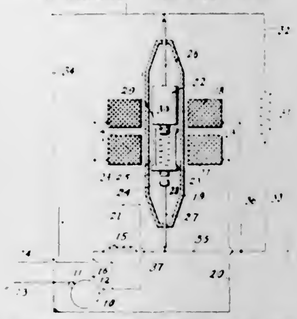
1. The combination with power driven mechanism and steam utilizing means, of a convertible engine driving said power driven mechanism and supplying exhaust steam to said steam utilizing means, said engine including means for operating it under internal combustion power, means for operating it under steam power and change over mechanism for converting said engine from operation under one source of power to operation under the other, pressure regulator control mechanism responsive to the requirements of said steam utilizing means and controlling the supply of steam to said engine and speed governing mechanism maintaining the speed of the engine substantially constant to meet fluctuating requirements of said power driven mechanism, said speed governing mechanism controlling the supply of combustible fluid to said engine and including means restraining said pressure regulator control mechanism from supplying more steam to said engine than necessary to maintain the speed of the engine proper for meeting the fluctuating requirements of said power driven mechanism.

2,001,578
APPARATUS FOR MANUFACTURING TIE PLATES
John F. W. Kruse and Charles W. Dawson, Oakmont, and Andrew T. Richardson, Verona, Pa., assignors to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application October 3, 1933, Serial No. 691,968
11 Claims. (Cl. 29—34)



10. Apparatus for forming tie plates from blanks having two spaced ribs on one side thereof comprising a die shoe for supporting a blank and having dies therein, a punch holder carrying punches for cooperating with said dies for making holes in said blanks, a block above said die shoe having recessed portions for receiving a blank therein and having apertures for permitting said punches to pass to said dies, two shears carried by said block for cutting each of said ribs longitudinally for a portion of its length, each of said shears comprising cooperating movable and stationary members on opposite sides of a rib, cams carried by said punch holder for actuating the movable shear members simultaneously in opposite directions to shear said ribs, and means for actuating said punch holder.

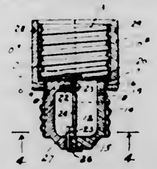
2,001,579
GENERATOR REGULATING DEVICE
Bennett M. Leece, Cleveland, and Dale S. Cole, Cleveland Heights, Ohio, assignors to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application November 28, 1931, Serial No. 577,836
3 Claims. (Cl. 200—90)



1. In a vibratory electromagnetic device of the character described the combination of an air-

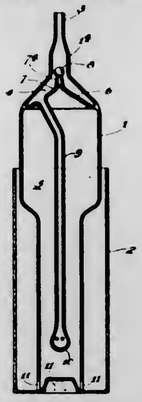
tight envelope, a magnet coil disposed around said envelope, a contact in said envelope, a core for said coil stationarily supported in said envelope, and a vibratory member in said envelope responsive to changes in the magnetization of said core and normally biased toward engagement with said contact for vibratory cooperation with the latter.

2,001,580
ELECTRIC FLASHER
Louis Ludwig, Brooklyn, N. Y.
Application May 24, 1933, Serial No. 672,551
4 Claims. (Cl. 200—115.5)



1. As an article of manufacture; an electric flasher consisting of an insulating body member containing an upper compartment, having openings in the bottom leading to the exterior, and a smaller lower compartment, having a supporting boss and also a slot leading to the lower outer end of the body member; a threaded metal shell, having downwardly extending lugs, secured in the upper compartment with the lugs projecting through the openings leading to the exterior of the body member; an upper center contact and a thermostatic element secured to the boss in the lower compartment; a lower center contact secured in the slot in bottom of the body member; and a threaded metal shell secured on the lower end of the body member and contacting with the lugs of the metal shell contained in the upper compartment.

2,001,581
GAS ABSORPTION PIPETTE
Maryan P. Matuszak, Pittsburgh, Pa., assignor to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1933, Serial No. 694,763
9 Claims. (Cl. 23—292)

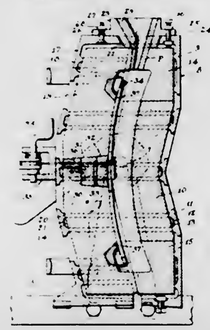


1. In a gas absorption pipette comprising a pair of containers connected at their lower ends, the combination with one of said containers of a gas inlet tube connected to the upper end of the container, a partition wall provided with a pair of openings lying within the container adjacent its upper end and dividing the container internally into an upper valve chamber and a lower absorption chamber, a short tube projecting upwardly into the valve chamber from one of said openings with its upper extended end concentric to said valve chamber and forming a valve seat, a gas conducting, or bubbling, tube extending downwardly from the other of said openings into the lower part of said absorption chamber, and a valve member disposed in said valve chamber for cooperation with said valve seat.

2,001,582
BELT TREATMENT
Ledru R. Parker, San Antonio, Tex.
No Drawing. Application June 1, 1932, Serial No. 614,851
1 Claim. (Cl. 134—17)

A substance for application to used leather and leather and rubber composition belts for the purpose of preventing wear of the belt and slippage of the belts on the pulleys, removing foreign substances collected on the belts before treatment, and keeping the pulleys clean, said substance consisting solely of rubber in fluid condition and only sufficient neat's-foot oil to maintain the rubber in fluid condition while on the belts and counteract the presence of oil and other belt deteriorating matter which may contact the belts while in use, the rubber and neat's-foot oil being present in the approximate proportions of 13 parts of rubber to 1 part of neat's-foot oil.

2,001,583
CASTING MOLD
Fred M. Poe, Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Original application March 7, 1931, Serial No. 520,782. Divided and this application August 16, 1933, Serial No. 685,333
1 Claim. (Cl. 22—125)



A repetition mold for casting brake shoes and the like and having an elongated mold cavity, a tapered pouring gate extending through one end of the mold in the direction of the length of the mold cavity and communicating with the adjacent end of the mold cavity, a tapered frangible core in said pouring gate, a wall of the mold cavity being made of refractory material and having recesses therein to form projections on the casting adjacent the ends thereof, and frangible cores in said recesses at the opposed ends thereof, the core in the pouring gate adapted to be crushed by the movement of the sprue as the sprue shrinks and the cores in the recesses

adapted to be crushed by the movement of the projections therein as the casting shrinks towards its middle, and thereby permitting the casting to shrink in its normal way from its ends towards its middle without damage to the refractory part of the cavity wall.

2,001,584

SUBSTITUTED MORPHOLINES AND METHOD OF MAKING THE SAME

Marion C. Reed, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

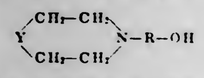
No Drawing. Application April 5, 1930, Serial No. 442,043
19 Claims. (Cl. 260—27)

1. The method of making a compound containing a hydroxy-aryl group substituted on the nitrogen atom of a heterocyclic nucleus, which comprises heating an aminophenol with a compound of the general formula

$$X—CH_2—CH_2—Y—CH_2—CH_2—X$$

wherein X is a halogen atom and Y is CH_2, O, S or N-aryl, and neutralizing the halogen acid formed, during the course of the reaction.

8. A compound having the general formula



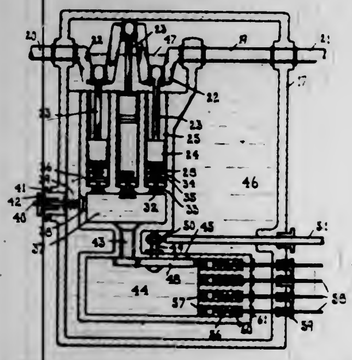
wherein R is an aromatic nucleus and Y is CH_2, O, S or N-aryl.

2,001,585

HYDRAULIC BRAKE

Clyde A. Roeder, Omaha, Nebr.

Application August 12, 1933, Serial No. 684,874
1 Claim. (Cl. 188—99)



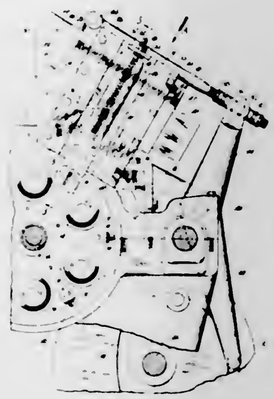
A hydraulic brake for motor vehicles and the like comprising a fluid containing housing positioned between the motor and the propeller shaft of the vehicle, a crank shaft journalled in said housing and drivingly connected between said motor and propeller shaft, a cylinder carried by the housing, a piston mounted in the cylinder and adapted to be reciprocated by the crank shaft, a chamber carried by the housing and communicating with an end of the cylinder, a reservoir carried by the housing and in communication with said chamber and the other end of said cylinder, said piston provided with a valve adapted to close during the pressure stroke, a valve located between the cylinder and the said chamber adapted to open during the said pressure stroke, a manually operable valve between the chamber and reservoir for increasing pressure in the chamber and cylinder to brake the propeller shaft of the vehicle, and a safety valve situated between the chamber and the reservoir to relieve excessive pressure.

2,001,586

HEAD SLIDE FOR AUTOMATIC MACHINE TOOLS

Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio

Application April 5, 1932, Serial No. 603,406
2 Claims. (Cl. 29—57)



1. In a machine of the character described, the combination of a frame, a spindle rotatably supported by said frame, a tool slide slidably supported by said frame adjacent said spindle, a linearly reciprocable member slidably supported by said frame, an arcuate cam groove in said member, a cam roller carried by said slide in engagement in said cam groove, a shaft rotatably supported by said frame, a lever fixed to said shaft and operatively connected to said member, a walking beam supported by said frame, a lever on said shaft adjustably connected to one end of said walking beam, cam means operatively connected to the other end of said walking beam for controlling the movement of said slide, and resilient means for continuously urging said tool slide in one direction.

2,001,587

MANUFACTURE OF MERCAPTO ARYL THIAZOLES

Waldo L. Semon, Silver Lake Village, and Tirey Foster Ford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 3, 1933, Serial No. 692,028
4 Claims. (Cl. 260—44)

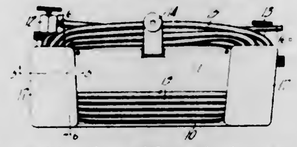
1. The process for preparing a mercapto arylene thiazole which comprises heating a mixture of a mononuclear arylamine and carbon disulphide with an organic oxidizing agent to a temperature in the neighborhood of 220° C.

2,001,588

PORTABLE TESTING INSTRUMENT

Philip T. Sprague, Long Beach, Ind.

Application March 7, 1932, Serial No. 597,286
5 Claims. (Cl. 242—96)



1. The combination with an instrument having a long flexible tube connected therewith, of a pair of spaced brackets each comprising a plate and a boss having a curved edge and a thickness less than the outer diameter of said tube projecting from one face of said plate, said bosses being secured to said instrument in spaced relation and adjacent the opposite ends thereof, said tube being wound around the curved faces of said bosses and being constrictively positioned between said plates and the instrument.

2,001,589

ARTIFICIAL EYEBROW

Anna Steiner, New York, N. Y.

Application January 31, 1934, Serial No. 709,206
1 Claim. (Cl. 132—1)



An artificial eyebrow comprising an elongated flattened suporting member curved to conform substantially to the shape of a human eyebrow, a plurality of hairs secured to one face of said member and confined within the area of the face to cover the same, and means on the other face of the member for attaching same at the eyebrow position on the human face.

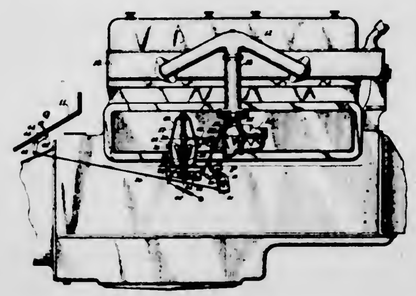
2,001,590

MECHANISM FOR CHANGING AND GOVERNING THE SPEED OF ENGINES

William R. Spiller, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio

Application July 20, 1934, Serial No. 736,224
3 Claims. (Cl. 123—108)

1. The combination in an internal combustion engine, of a throttle valve for said engine, a governor associated with said engine designed to transmit movement at a predetermined engine speed, a throttle actuating lever, a movable member operatively connected to said throttle valve, a second movable member operatively connected determined speed, a third movable member operatively connected to said throttle actuating lever arranged to move in the same direction as said first member in opening and closing the throttle valve, means carried by said first and third members designed for abutting engagement arranged in such a manner that movement of to said governor arranged to be moved thereby upon an increase of speed above the aforesaid predetermined speed in an opposite direction to said first member in causing an increase in speed, and being further arranged in such a manner that it is maintained out of engagement with said first named member at speeds below the aforesaid predetermined speed and brought into engagement with said first member as the engine speed is increased above the aforesaid presaid throttle actuating lever in a direction to open the throttle valve tends to cause separation of said means, and resilient means connecting said first and third members urging engagement of the engaging means carried by such members, said resilient means being designed and tensioned to maintain the aforesaid engaging means in en-



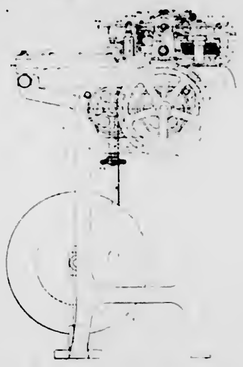
gagement in the absence of interference by said second member, but permitting separation of said engaging means following the point in movement of said first and third members in opening the throttle valve at which further movement of said first member is opposed by the actuating force of the governor acting through said second member.

2,001,591

METHOD AND MACHINE FOR MAKING FASTENERS

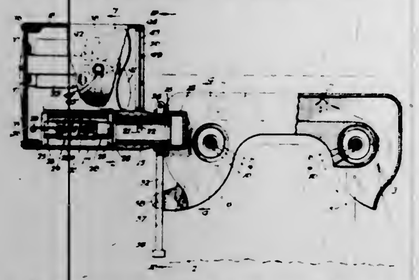
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania

Application July 13, 1929, Serial No. 378,104. Renewed March 14, 1934. In Canada February 12, 1929
44 Claims. (Cl. 113—1)



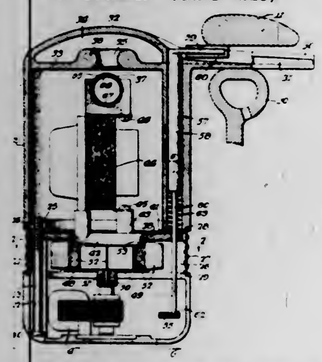
1. In a machine for making fastener stringers of the class described, the combination with a rotatable column having a plurality of dies, of means for revolving said column, means for feeding blanks to said dies, and means to form a blank in one of said dies, means to hold a blank in another of said dies while performing another operation on the member, and common operating means for said blank forming and blank holding means.

2,001,592
VENTILATOR ATTACHMENT FOR TOILET SEATS
Macy O. Teetor, Newcastle, Ind.
Application July 27, 1933, Serial No. 682,362
9 Claims. (Cl. 4—213)



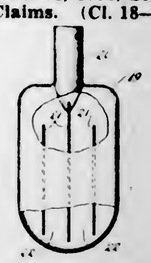
1. In a structure of the class described, a toilet bowl and a seat therefor, a nozzle secured to said bowl, said nozzle having a journal extending therefrom, a housing having a sleeve formed therewith by which said housing is rockably supported on said journal, a chamber formed as a continuation of said sleeve and adapted to support an ozonizer therein, a suction device mounted within the housing and in communication with said nozzle and ozonizer, and means secured to said sleeve and operated by said seat for rocking said housing about said journal for operating said suction device and ozonizer for withdrawing the foul air through said nozzle and ozonizer and passing it to the atmosphere in an ozonized condition.

2,001,593
AIR PURIFYING VENTILATOR FOR TOILET BOWLS
Macy O. Teetor, Newcastle, Ind.
Application May 28, 1934, Serial No. 727,967
17 Claims. (Cl. 4—213)



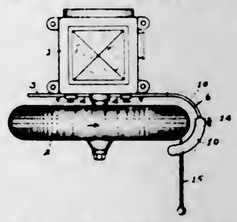
1. In a ventilator unit for attachment to a toilet bowl, a housing having a supporting arm therefor, said housing having an intake portion integral therewith and positioned adjacent the top of and in communication with the interior of said bowl, said housing extending downwardly from its intake portion and having an exhaust opening extending around the circumference thereof intermediate its ends for permitting communication with the outside atmosphere, and means within said housing for withdrawing air from said bowl and feeding it through said exhaust opening in a purified state.

2,001,594
PARTITIONED HOLLOW RUBBER ARTICLE AND METHOD OF MAKING THE SAME
Forest G. Tritt, Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 14, 1934, Serial No. 715,483
13 Claims. (Cl. 18—58)



4. The method of making a partitioned hollow rubber article which comprises preparing a form having the shape of the article to be made and having a slot extending from a margin of the form inward along a line corresponding to the position at which a partition is desired in the article, filling a portion of the slot with a disintegrable plug of material which will maintain its integrity for a considerable time while in contact with a liquid dispersion of rubber, introducing a liquid dispersion of rubber into the unfilled portion of the slot and over the surface of the form, solidifying the dispersion to provide a continuous rubber deposit within the slot and upon the form, disintegrating the plug, and removing the form from the article.

2,001,595
TIRE TREAD REMOVER
Oscar H. Babcock, Jr., Pittsburgh, Pa.
Application March 13, 1934, Serial No. 715,383
5 Claims. (Cl. 164—38)

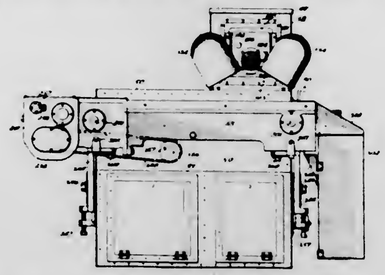


1. A device of the character described comprising, a supporting element, a socket member carried by the latter, a quadrant-shaped tool rest provided with a slot for the reception of the cutting tool, and a pair of connecting pins fixed to and depending from the respective ends of said tool rest for connecting the latter in position to said socket member.

2,001,596
CAMERA
Arthur W. Caps and Paul Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island
Application December 21, 1931, Serial No. 582,361
10 Claims. (Cl. 88—24)

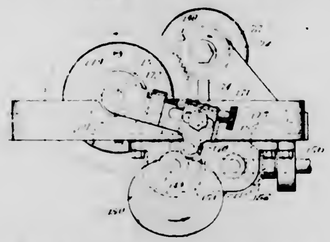
1. Photographic apparatus comprising a camera having a shutter, a movable conveyor including an elongated flexible belt-like element

movable repeatedly through an endless path of travel, one portion of which path provides a substantially horizontal flat receiving bed on which pieces of sheet material to be copied may be successively laid, means for moving said conveyor intermittently across the photographic field of



said camera, guide means on said conveyor element for defining successive areas which will be properly placed in said photographic field when said conveyor stops between its intermittent movements, and mechanism for operating said shutter in timed relation to the intermittent movements of said conveyor.

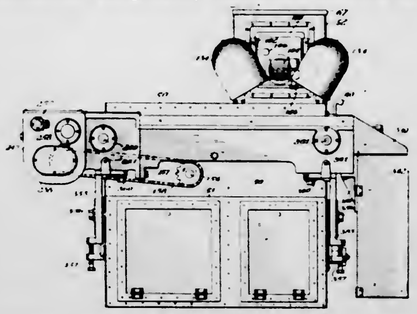
2,001,597
CAMERA
Arthur W. Caps and Paul Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island
Original application December 21, 1931, Serial No. 582,361. Divided and this application November 22, 1932, Serial No. 643,872
5 Claims. (Cl. 88—18.2)



1. Photographic apparatus comprising a camera, roller means for feeding sensitized material in said camera, an arm mounted for oscillation and operatively connected to said roller means, cam means for oscillating said arm to operate said roller means, and means for varying the effective length of said arm to vary the amount of sensitized material fed by said roller means at each oscillation caused by said cam means.

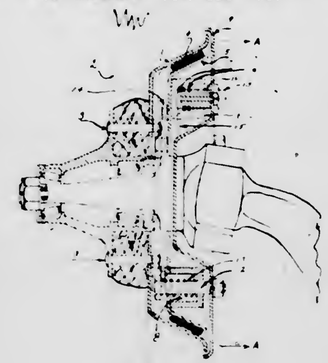
2,001,598
PHOTOGRAPHIC COPY CONVEYER
Arthur W. Caps and Paul Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island
Original application December 21, 1931, Serial No. 582,361. Divided and this application December 15, 1932, Serial No. 647,430
8 Claims. (Cl. 88—24)

1. Photographic apparatus comprising a copy conveyer for moving articles with relation to the photographic field of a camera, movable operating means, mechanism for driving said conveyer from said operating means, a plurality of different holding means for rendering said driving mechanism temporarily ineffective to drive said



conveyer notwithstanding continued movement of said operating means, and means for automatically rendering each of said different holding means ineffective after a different extent of movement of said operating means.

2,001,599
BRAKING APPARATUS
Abraham Cohen, New Haven, Conn.
Application November 23, 1932, Serial No. 644,108
20 Claims. (Cl. 188—71)



8. In a brake, a pressed steel brake drum, a pressed steel base, a pressed steel shoe, a cast iron member fastened to said shoe, means associated with said member responsive to a motive force for causing said shoe to engage said drum.

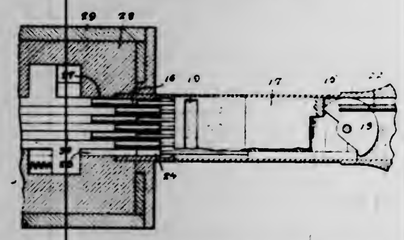
2,001,600
MULTIPLE UNIT GANG CONDENSER
Samuel Cohen, Brooklyn, N. Y., assignor to General Instrument Corporation, New York, N. Y., a corporation of New York
Application November 21, 1929, Serial No. 408,773
5 Claims. (Cl. 175—41.5)



1. A device for engaging the rotor shaft of a multiple variable condenser comprising an elec-

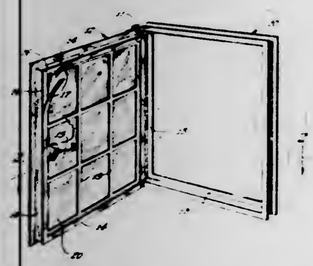
trically conducting yoke member having a forked portion deeper than the diameter of the rotor shaft and comprising a pair of flat metallic arms having their parallel surfaces frictionally engaging said shaft, and a metallic web extending between said metallic arms for supporting said yoke member from the condenser frame.

2,001,601
LOCK KEY
Leo E. Deutsch, Hammond, Ind.
Application June 25, 1934, Serial No. 732,345
6 Claims. (Cl. 70—9)



1. A lock key comprising a body having a bit portion provided with end openings, a plurality of permutation tumblers arranged within the bit portion and adapted for projection through the end openings, means automatically operated on the insertion of the key in a lock to selectively project certain of the tumblers for operation of the lock, and means for effecting the changing of the permutation action of the tumblers.

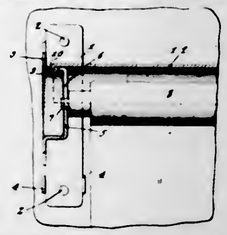
2,001,602
MEANS AND METHOD FOR WEATHER STRIPPING
Frank S. Dietz, Jamestown, N. Y.
Application August 12, 1931, Serial No. 556,682
1 Claim. (Cl. 189—65)



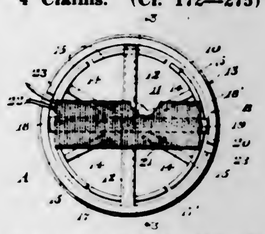
In a window sash and its associated frame each having a bedding contact, a resilient seal between the bedding contacts, said seal being pressed between the bedding contacts in a plastic condition, to mold the seal to the exact formation of the clearance between the bedding contacts.

2,001,603
WINDOW SHADE FIXTURE
William H. Dellinger, Franklin, Ohio
Application August 6, 1934, Serial No. 738,705
2 Claims. (Cl. 156—24)

1. A shade fixture comprising an attaching plate, an extension integral with said plate and offset to form a cup-shaped portion slotted to receive a pintle of a shade, and means for supporting a shield to the cup-shaped portion over the shade.

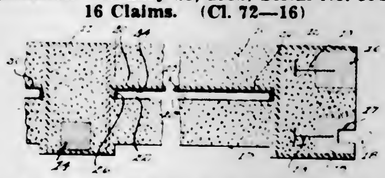


2,001,604
SELF-STARTING SYNCHRONOUS MOTOR
Clark Finch, West Palm Beach, Fla.
Application June 27, 1933, Serial No. 677,942
4 Claims. (Cl. 172—275)



1. In a motor of the class described, a rotor, a ring surrounding said rotor, means for supporting said rotor within said ring, offset oppositely extending curved arms of magnetic material conforming to the contour of said rotor and ring, one end of each arm being supported upon said ring, the opposite end of each arm being slightly spaced from the adjoining arms, both arms constituting a substantially circular casing, and a coil interposed between the arms.

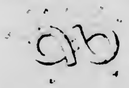
2,001,605
BUILDING CONSTRUCTION
Thomas J. Foster, Ridgewood, N. J.
Application February 23, 1932, Serial No. 594,723
16 Claims. (Cl. 72—16)



1. A preformed heat and sound proof reinforced slab construction comprising a body of light weight heat and sound proof set plastic material reinforced with metal mesh, and having insulating air spaces formed adjacent to and defined by portions of said metal mesh reinforcement.

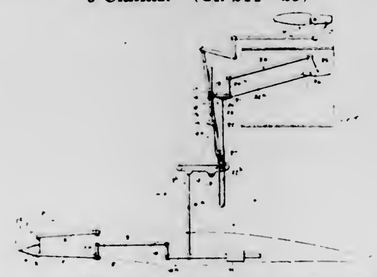
2,001,606
EMERGENCY LINK
Hyman Gerstein, Hartford, Conn.
Application May 17, 1934, Serial No. 726,127
2 Claims. (Cl. 59—85)

1. An emergency link for tire chains or the like comprising a length of wire bent into substantially S-shape having a relatively straight central body portion, and loops at the opposite ends of said body portion, the free end portions of said loops extending in opposite directions across their respective ends of said body portion and on the same side thereof in normal spaced relation therewith, whereby said end portions may be



readily connected to adjacent chain ends and bent into substantial contact with the ends of said body portion, in which latter position the extremities of said loop end portions are upturned in opposite directions and so disposed as to be brought into cooperative abutting relationship, across the relatively straight central body portion, under abnormal strains applied to said loops.

2,001,607
AUTOMATIC STABILIZER FOR VEHICLES
Marcel Louis Gianoli, Neuilly-sur-Seine, France
Application December 26, 1933, Serial No. 704,009
In Germany December 31, 1932
9 Claims. (Cl. 244—29)



1. In an automatic stabilizing apparatus, a detecting device for indicating the variations of one at least of the characteristics of the movement of the vehicle, a control, connecting means between the detector and the control for causing the detector to set the control in the direction counteracting the detected variation, means for automatically restoring the control in proximity to its position of rest as soon as the detected variation tends to diminish.

2,001,608
PORTLAND CEMENT PRODUCT
Chester G. Gilbert, Washington, D. C., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 1, 1932, Serial No. 640,705
3 Claims. (Cl. 106—25)

2. An improved Portland cement product characterized in that the individual particles thereof are spherical.

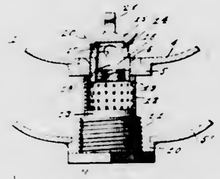
2,001,609
BOTTLE STOPPER
Edgeworth Greene, Montclair, N. J.
Application February 11, 1932, Serial No. 592,209
15 Claims. (Cl. 215—21)

1. An independently assembled stopper unit for attachment to a bottle to render the same nonrefillable, comprising a casing adapted to extend within the neck of said bottle to form a valve compartment and having a valve seat with an opening therethrough at the bottom of said casing, a valve device in said compartment, spacing-means arranged circumferentially about said valve device effective between same and the inner walls of said valve compartment to provide longitudinal passageways for the egress of liquid, an orificed cover for said casing adapted to be secured thereto independently of said bottle, a part of said casing being arranged to extend transversely outwardly from the top thereof with



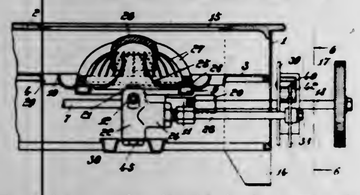
the top surface of same contiguous the bottom surface of said cover and with an included diameter greater than the bore in the neck of said bottle but substantially less than that of the cover to provide means for supporting the casing on the top of the bottle, and a gasket of greater diameter than said extending part of the casing adapted when the stopper unit is secured to the bottle with the gasket under compression, to engage the bottom surface of both the cover and said extending part of the casing.

2,001,610
GAS TANK
John J. Hildenbrand, New York, N. Y.
Application November 13, 1933, Serial No. 697,840
1 Claim. (Cl. 210—170)
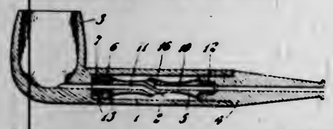


A sediment trap including spaced trap walls having aligned inlet and cleanout openings, internally threaded bushings mounted in said openings, a valve seat formed on the bushing of the inlet opening, a cleanout plug threaded to the bushing of the cleanout opening and having a reduced portion defining a seat, a perforated sleeve engaging said seat at one end with the reduced portion of the plug projecting therein and having its opposite end abutting the bushing of the inlet opening, an external and internal threaded valve sleeve threaded in the bushing of the inlet opening and having one end closed and tapered to form a valve element for cooperation with the valve seat, said valve sleeve having openings adjacent the closed end thereof and provided with slots opening outwardly through the open end thereof, and an apertured expanding plug threaded into the open end of the valve sleeve.

2,001,611
BURNER FOR LIQUID FUEL
Victor Ipsen, Vienna, Austria, assignor to Technik & Investment A.-G., Vaduz, Liechtenstein
Application January 31, 1933, Serial No. 654,515
In Austria May 12, 1930
5 Claims. (Cl. 158—69)



1. In a burner for liquid fuel, a vaporizer, a fuel valve for regulating the admission of fuel to the vaporizer, means for operating the fuel-regulating valve, a gas nozzle for ejecting the fuel which has been vaporized in the vaporizer, a conduit for conducting fuel vapor from the vaporizer to the nozzle, a valve for regulating the free sectional area of the nozzle, and mechanism operatively connected to said fuel-valve operating means for operating said nozzle-regulating valve and for limiting the movement of said means when the fuel valve is moved in a direction away from its seat.

2,001,612
PIPE FOR SMOKING
Marcel Charles Henri Jacquemin, New Barking, England
Application June 24, 1933, Serial No. 677,502
In Great Britain September 17, 1932
2 Claims. (Cl. 131—12)



1. A tobacco pipe comprising a hollow stem having a cylindrical collecting chamber therein, a mouthpiece removably arranged in the stem, a tubular extension of the mouthpiece disposed in said chamber and a resilient swab arranged substantially on the end of the tubular extension and peripherally contacting with the wall of the collecting chamber to form a fluid-tight joint with the said wall, said tubular extension having its peripheral surface spaced from said wall between said swab and the junction of said extension with the mouthpiece proper, and having at substantially the centre of its length an annular enlargement, into the upper and lower parts of which open passages extending to the bore of the mouthpiece and the end of the extension next to the bowl respectively.

2,001,613
METHOD OF EXTRACTING THE PHENOLS OF TARS AND SIMILAR MIXTURES
Robert Marie Jarry, Paris, France
No Drawing. Application April 27, 1931, Serial No. 533,331. In France May 9, 1930
6 Claims. (Cl. 260—154)

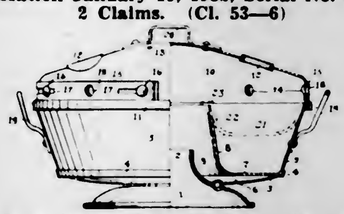
1. A method of extracting the complex phenols of low temperature tars and similar mixtures, which consists in adding to the treated product liquefied ammonia gas of a quantity required for dissolving the complex phenols, effecting an intimate mixture, and then allowing two distinct phases to form, one of which is formed by the liquefied ammonia gas dissolving the complex phenols, to a physical state so that they can be separated mechanically, then finally separating these two phases mechanically and then extracting the complex phenols from the phase containing them.

2,001,614
PACKING FOR PIPE JOINTS
Percy Graham Johnson, Letchworth, England, assignor to Victaulic Company Limited, London, England
Application January 6, 1933, Serial No. 650,571
In Great Britain January 22, 1932
3 Claims. (Cl. 288—1)



3. A packing ring for a pipe coupling of the kind having a sleeve extending over the surface of the joined pipe sections at their meeting ends and having internally coned ends into which the packing is held by mechanical pressure, the packing consisting of a ring of solid resilient material of wedge shaped cross section at each end of the sleeve having one of its wedge-shaped edges engaging the coned end of the sleeve and its other wedge-shaped edge engaging a gland provided with means for effecting pressure thereon axially, the wedge-shaped edges entering the coned end of the sleeve being provided therein with spaced lips and a reenforcing element on the adjacent surfaces of said lips acting in conjunction with said lips as a fluid pressure packing while the remaining portion of the double wedge-shaped packing ring is held tight by the means for effecting axial pressure.

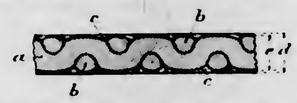
2,001,615
BAKING VESSEL
William Theodore Karten, Pittsburgh, Pa.
Application January 19, 1932, Serial No. 587,461
2 Claims. (Cl. 53—6)



1. In a device of the kind described, a cover member having a cylindrical peripheral portion provided with spaced ventilation holes, a pair of arcuate bands slidably mounted on the cylindrical portion of the cover member and having spaced ventilation openings, said bands being movable to bring their ventilation openings into and out of registry with the openings in the cover member, said bands having adjacent ends, and out turned ears on said adjacent ends forming finger grips for simultaneous grasping between the thumb and the fore-finger of the same hand.

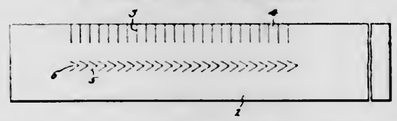
2,001,616
PACKING PLATE WITH SCREEN LINING AND PROCESS FOR MANUFACTURING SAME
Karl Klinger, Gumpoldskirchen, near Vienna, Austria, assignor to Naamlooze Vennootschap Irma Industrie en Ruwmaterialen Maatschappij, Rotterdam, Netherlands, a corporation of the Netherlands
Application September 30, 1932, Serial No. 635,707
In Germany January 30, 1932
1 Claim. (Cl. 91—70)

A process for the manufacture of packing plates having a wire grid coated with plastic mass comprising, rolling on a heated calender and under high pressure a thin layer of the plastic mass, introducing between the calender rolls along with more of said mass a grid of uncoated metal wires of narrow mesh and forcing said grid into



the thin layer of plastic mass, and rolling a thin layer of the plastic mass on top of the grid, the total amount of plastic mass being only sufficient to fill the meshes of the grid and convert its opposite faces into smooth surfaces.

2,001,617
COLLAR PROTECTING DEVICE
William Jacob Lanyon, Hanover, N. H.
Application July 2, 1934, Serial No. 733,505
1 Claim. (Cl. 223—18.6)



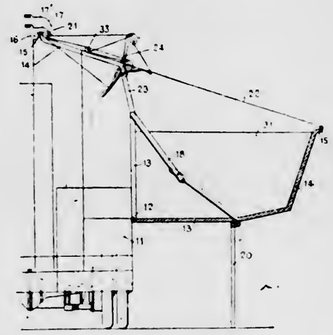
A collar protecting device comprising an elongated strip of bendable material having a straight end and a longitudinally extending row of spaced transverse slits in one side portion thereof, the slits extending inwardly from one side edge, each pair of slits forming a tongue adapted to be bent at right angles to the strip to form an abutment for said straight end of the strip to prevent contraction of the strip when the same is bent into substantially circular form to place in a collar, said strip also having a longitudinally extending row of substantially V-shaped slits in an intermediate part thereof, the V-shaped slits being spaced apart and forming substantially triangular-shaped tongues, any one of which is adapted to overlap said straight end of the strip.

2,001,618
BUCKLE
Alfred Laurain, Paris, France, assignor to Société du Caoutchouc Manufacturé, Paris, France
Application March 16, 1934, Serial No. 715,970
In France March 27, 1933
10 Claims. (Cl. 24—191)



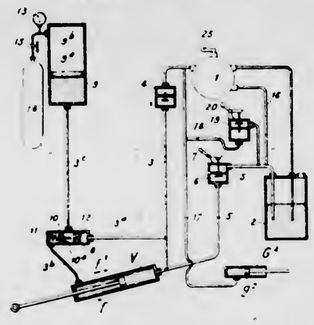
1. A buckle comprising a yoke, a flat anti-friction cross strip connecting the sides thereof and defining two contiguous co-planar slots for the respective engagement of two straps slidable through said yoke, said cross strip being intercalated flatly between the contiguous reaches of the straps located in the slots for preventing mutual contact of said strap reaches, and a flap pivotally connected at one end to the yoke sides, this flap freeing the strap engaged through the slot adjacent its pivotal connection in one angular position and clamping said strap in said slot in another angular position.

2,001,619
MOTOR CAR WITH TRAILER FOR CAMPING
Antoine Marie Louis Levoyer, Paris, France
Application April 1, 1932, Serial No. 602,578
In France, April 3, 1931
1 Claim. (Cl. 296—23)



A trailer having a lower portion, a cap and vertical sides and a solid roof, the side and half the solid roof being hinged to said lower portion to move as a unit, a roller near the middle of the top of the trailer beneath said cap and a canvas fabric carried by the roller and normally rolled up thereon but adapted to be unrolled from said roller and attached to the outer edge of the turned down side of the roof portion, when the side is turned to horizontal position said cap being movable to allow ventilation to said trailer.

2,001,620
RETRACTABLE LANDING GEAR FOR AEROPLANES
René Lucien Lévy, Montrouge, France, assignor to Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M., Fribourg, Switzerland
Application August 8, 1934, Serial No. 739,043
In France March 27, 1934
7 Claims. (Cl. 244—2)

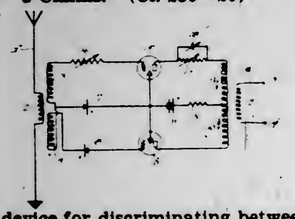


1. A system of landing gear for aeroplanes, comprising a generator of fluid under pressure, a hydraulic jack connected to the said generator and to an exhaust conduit, a connection between the landing gear and the movable element of this hydraulic jack, a pressure fluid accumulator connected to this hydraulic jack, a hydraulic blocking device interposed between said jack and said accumulator and connected to the pressure fluid generator.

2,001,621
TREATMENT OF ARTIFICIAL FIBROUS MATERIAL
Leon Lilienfeld, Vienna, Austria
No Drawing. Application September 26, 1928, Serial No. 308,589. In Great Britain November 21, 1927
19 Claims. (Cl. 8—20)

1. A process for increasing the extensibility and contraction of artificial fibers of regenerated cellulose, wherein the artificial fibers are treated with an alkali solution and carbon disulphide in the neck, a garment hanger comprising in part material to occur.

2,001,622
METHOD OF AND MEANS FOR REDUCING ELECTRICAL DISTURBANCES
David G. McCaa, Lancaster, Pa.
Application October 27, 1930, Serial No. 491,582
3 Claims. (Cl. 250—20)



1. In a device for discriminating between electrical waves of different amplitudes, two electrical paths operative with respect to the source of said waves, a thermionic device in each of said paths, means biasing one of said devices beyond output current cut-off an amount comparable to the peak value of waves of predetermined amplitude, and means for opposing to each other the waves passing through said paths, whereby waves of greater amplitude than said predetermined amplitude substantially cancel each other.

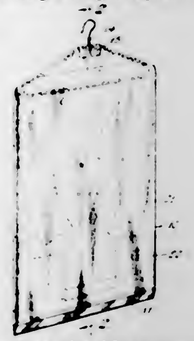
2,001,623
INSERT FOR UMBRELLAS
Hiram W. Montgomery, Topanga, Calif.
Application June 26, 1934, Serial No. 732,523
5 Claims. (Cl. 135—35)



1. A window opening insert comprising a pair of frames, screen means extending across the frames, means for clamping the frames together with the screen means therein, and a trough formed with one of said frames.

2,001,624
GARMENT BAG
William M. Moore, Maywood, Ill.
Application May 24, 1933, Serial No. 672,661
2 Claims. (Cl. 206—7)

1. In a "Cellophane" garment bag comprising a tubular body having a closed end provided with an open neck, a "Cellophane" reenforcing member fastened to the inside walls defining the neck and having an opening aligned with the opening in the neck, a garment hanger comprising in part a hook member and two angularly arranged reaches, a "Cellophane" covering for the load bearing parts of the garment hanger and shaped to conform to the angular reaches and having an opening receiving the hook member, the neck of said garment bag being shaped to conform to



the inclined reaches of said garment hanger, the said covering fitting snugly within the neck with the covering bearing against the inclined portions substantially throughout their entire length, and a "Cellophane" reenforcing strip slit to receive the hook portion and cemented to the outer surfaces of the neck, to reenforce the area surrounding the opening therein.

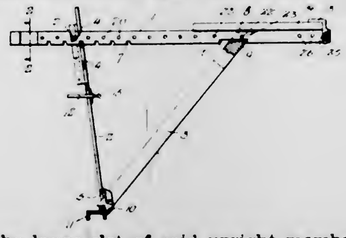
2,001,625
WHEELED TOY
Heinrich Müller, Nuremberg, Germany
Application February 23, 1935, Serial No. 7,919
In Germany September 17, 1934
14 Claims. (Cl. 46—48)



1. A wheeled toy having the form of an automobile, animal or the like, comprising a toy-body, a clock-work mounted therein, a pair of running wheels mounted on said toy-body, at least one of said running wheels being in driving connection with said clock-work, a turning wheel arranged in front of said running wheels positioned transversely with respect thereto and in driving connection with said clock-work, and a supporting finger with an obliquely ascending surface adapted to form a support for said toy-body and to lift said turning wheel off the running surface, said running wheel being made from rubber, leather or similar soft material adapted to provide sufficient adhesion to the running surface or at least being provided with a rim or tire made of such material.

2,001,626
WINDOW JACK
Menno Neinhouse, Muskegon, Mich.
Application December 6, 1934, Serial No. 756,339
4 Claims. (Cl. 304—33)

1. In a glazier's window jack, provided with a horizontal member, an upright member, and a strut member; said upright member having an upper slot and a lower slot, said horizontal member engaging said upper slot and having an outer notch, and an inner notch engaging said upright member, said strut member having an upper fork embracing said horizontal member and an upper tooth engaging the outer end wall of said outer notch, said strut member engaging the lower slot of said upright member and having a lower notch also engaging the upright member.

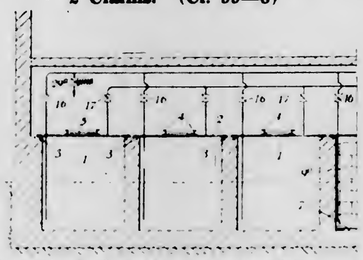


2,001,627
CLOSURE FOR DISPENSING CONTAINERS
William C. Nenstiehl, Wilmington, Del.
Application July 3, 1934, Serial No. 733,640
7 Claims. (Cl. 221—60)



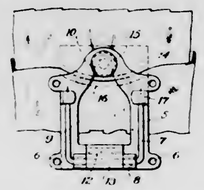
1. The combination with a container having a ported projecting portion constituting a discharge nozzle, of a closure element in the form of a hood secured to said container and embracing said nozzle, said hood being adjustable between alternative positions in one of which positions one side of the hood overlies and seals the discharge port of the container and in the other of which position uncovers said port for discharge of the contents of the container, said hood in the last named position of adjustment forming with said nozzle a substantially closed chamber embracing the discharge port and having an opening arranged for communication with said chamber to permit escape of the contents of said container through the chamber.

2,001,628
METHOD FOR PRESERVING FOODSTUFFS
Fernand Nierinck, Riverside, Chelmsford, England, assignor to Chelmsford Egg Supply Company (1934) Limited, London, England
Application December 16, 1931, Serial No. 581,480
In Denmark March 19, 1931
2 Claims. (Cl. 99—8)



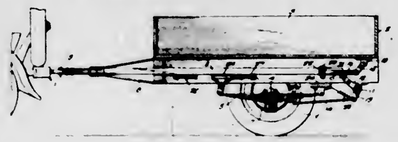
1. A method of preserving eggs which consists in placing them in an autoclave, evacuating the latter to remove the air from the eggs, replacing the evacuated air in the eggs by a preserving gas, removing the eggs through the atmosphere from the autoclave, and storing the eggs in the presence of a preserving gas at substantially atmospheric pressure, the eggs during the removal from the autoclave to the place of storage being protected from contained gas leakage solely by the inhibition of the shell of the egg to such leakage.

2,001,629
GARMENT SUPPORTER
Alfred D. Quasso, San Antonio, Tex., assignor of one-fourth to Stephen Paul Daily, Jr., New York, N. Y.
Application August 6, 1934, Serial No. 738,696
3 Claims. (Cl. 24—73)



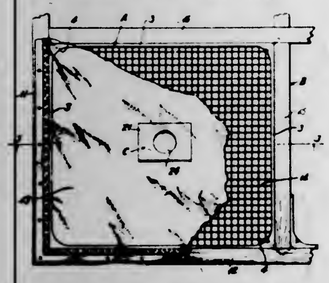
1. A device of the character described comprising a first member adapted to be attached to a trousers, a second member hingedly attached to the lower end of the first member and including a flap at its upper end bent over toward the first member, the latter having a slot and the flap being provided with a button adapted to be held in said slot, said second member including a bead just below the end of said flap and on the same side of the second member, said bead and said flap being so related as to grip a portion of a garment when said button is engaged in said slot.

2,001,630
BRAKE
Percy Pepper, Fort Wayne, Ind.
Application May 1, 1934, Serial No. 723,383
2 Claims. (Cl. 188—112)



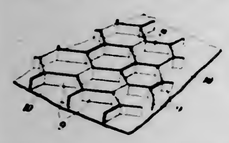
1. In combination with a trailer having ground wheels provided with brakes, a draft tongue mounted to the trailer for a limited sliding movement relative thereto, means for connecting the tongue to a motor vehicle, a shaft journaled to the trailer, depending arms integral with the shaft, means connecting the arms to the brakes, an arm integral with the shaft and arranged angularly to the first-named arms, and an operating mechanism between the tongue and the second-named arm and connected to the trailer for automatically applying and releasing the brakes during the increase or decrease of speed of travel of the trailer relative to the motor vehicle, and to maintain the brakes in released position during the backing of the trailer by said motor vehicle.

2,001,631
SIEVE LINER
Harry B. Rice, Houston, Tex., assignor to Vacuum Belting Cloth Cleaner Corporation, Houston, Tex., a corporation of Delaware
Application September 19, 1933, Serial No. 690,140
4 Claims. (Cl. 209—382)



1. A liner for sieves comprising an integral frame-like body of rubber composition adapted to be secured to the inner surface of a sieve frame, and having relatively thin flexible side and end walls and relatively thick corners rounded on their inner surfaces.

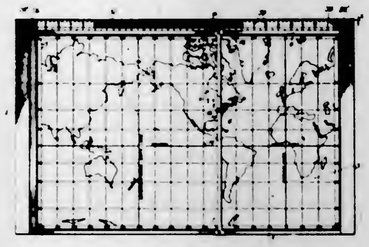
2,001,632
INSULATION AGAINST LOSSES OF HEAT AND COLD
Otto Schlichting, Berlin-Steglitz, Germany
Application March 27, 1934, Serial No. 717,584
In Germany November 20, 1930
7 Claims. (Cl. 154—45)



1. An insulation construction adapted for use as a spacing member, comprising a flexible body formed from an integral flexible sheet comprising thin metal having bright and reflective surfaces, said flexible body being cut and folded to form a reticulated structure having branches or arms and connecting bridges, the branches or arms being of substantially the same thickness as the integral sheet and the bridges being of substantially double the thickness of the sheet.

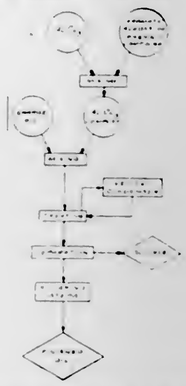
2,001,633
GEOGRAPHICAL CLOCK
Crispin B. Segovia, New York, N. Y.
Application September 22, 1934, Serial No. 745,147
2 Claims. (Cl. 58—43)

2. A geographical clock including a housing having an opening in one face, a map of the world carried by the housing and exposed through said opening, a top bar extending across said housing adjacent the upper end of said map, a bottom bar extending across said housing adjacent the bottom of said map, a slide bar slidingly mounted by said top and bottom bars so that said slide bar may freely slide back and forth over said map, a pointer slidingly mounted on said slide bar, a pointer carried by said slide bar at the upper end, an endless tape positioned to travel across said opening and near said last-mentioned pointer, said tape having sets of number and graduations indicating hours and parts of hours of several days, twenty-four



hours being disclosed in said opening at all times, and clock mechanism connected with said tape for driving the same at the proper speed.

2,001,634
PETROLEUM PRODUCT
Donald R. Stevens, Pittsburgh, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a corporation of Texas
Application December 1, 1931, Serial No. 578,412
12 Claims. (Cl. 196—54)

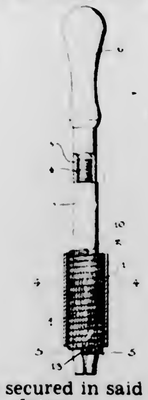


1. In the improvement of petroleum distillate and residual oils, the process which comprises treating such an oil at temperatures ranging from about 65° to 480° C. with a small proportion of a mixture of anhydrous aluminum chlorid and an added organic moderating agent selected from a class consisting of phenolic compounds and their homologues, said organic moderating agent being added in amount sufficient to substantially restrain the activity of said aluminum chloride.

2,001,635
REAMING TOOL
Charles E. Sturgis, Rochester, N. Y.
Application February 21, 1933, Serial No. 657,874
Renewed October 15, 1934
10 Claims. (Cl. 15—104.16)

1. A tool of the character described comprising a stem having a transverse perforation therein and also having a relatively long longitudinal slot spaced from and leading from adjacent said perforation to and through one end of the stem, and a metallic strand spirally wound around the

stem and over said longitudinal slot and having one end secured in said perforation and having



its opposite end secured in said slot adjacent the outer end of the latter.

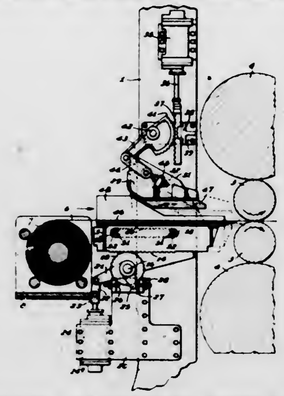
2,001,636
TERMINAL FOR ELECTRICAL CONDUCTORS AND THE LIKE
Cecil W. Sward, Chicago, Ill., assignor to G & W Electric Specialty Co., Chicago, Ill., a corporation of Illinois
Application October 18, 1933, Serial No. 694,087
5 Claims. (Cl. 247—6)



1. A device of the class specified having an oil seal comprising a gasket member fitting between a tubular insulator and a tubular metallic member containing an end portion of said insulator, said gasket member having a tubular portion surrounding the insulator and a flange portion extending outwardly between shoulders on the insulator and metallic surrounding member, and cement material located in the space between the tubular insulator and surrounding tubular member below the tubular portion of the gasket.

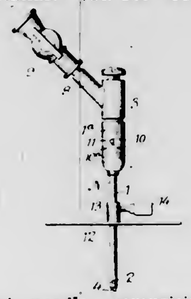
2,001,637
ROLLING MILL FEEDING APPARATUS
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 11, 1933, Serial No. 651,153
27 Claims. (Cl. 80—43)

1. A combined sticker, drag and leveling apparatus for use with a rolling mill, comprising a table adapted to be reciprocably mounted in horizontal alignment with the roll pass of the mill, a plurality of transversely extending rolls mounted in spaced parallel relation in the top of said table, a roll-supporting frame mounted above said table, a plurality of transversely extending rolls mounted in parallel spaced relation in said frame with their axes lying between the axes of the rolls mounted in said table, forming a wave-like stock working pass between said two sets of rolls means for moving said frame toward and away from said table whereby adapting it to clamp a piece of stock when disposed between said rolls and resist the movement



therethrough, and means for moving said table and frame toward the mill to forcibly feed stock so clamped and held by said sets of rolls to the mill, the mill after biting the material, pulling the same through said sets of rolls which then act as a drag and leveling apparatus.

2,001,638
SURGICAL NEEDLE
Gustaf Elof Tornsjo, Columbia, Mo., assignor to Research Foundation, Inc., Columbia, Mo., a corporation of Missouri
Application November 14, 1932, Serial No. 642,637
Renewed March 14, 1935
4 Claims. (Cl. 128—347)

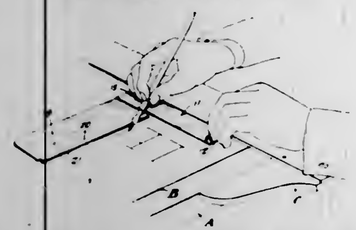


1. A surgical needle, comprising an outer tubular member having a perforation; an inner tubular member having a flesh cutting knife and having a perforation adapted to register with that in the outer member when the knife is retracted within the outer member.

2,001,639
SILVER SOLDER
Harold Turner, Sheffield, England, assignor to Johnson Matthey & Company Limited, London, England, a British company
No Drawing. Application January 26, 1934, Serial No. 708,499. In Great Britain March 17, 1933
3 Claims. (Cl. 75—1)

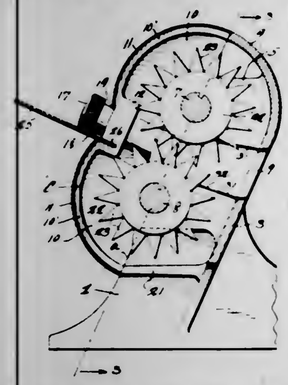
1. A silver solder especially suitable for joining tarnish-resisting silver alloys which consists of 60 to 85% of silver, the following metals in the proportions as stated: 1 to 9% of tin and 15 to 30% of zinc.

2,001,640
LETTERING GUIDE
Harry S. Van Heefen, St. Louis, Mo.
Application March 5, 1934, Serial No. 714,133
2 Claims. (Cl. 33—75)



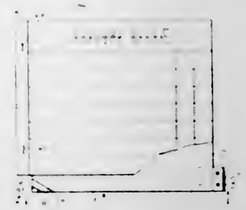
1. An instrument of the kind described comprising a pair of pivotally connected legs having straight guiding edges, one of said legs being formed with a crimp longitudinally thereof to present an elevated free end edge with respect to the plane of said legs, an offset ear formed on one of the legs to bring both legs in a common plane, a friction pivot swingingly connecting the legs together, and a rolled end formed on the other of said legs.

2,001,641
MEAT TENDERER
Frank W. West, Bellefonte, Pa.
Application June 21, 1934, Serial No. 731,775
4 Claims. (Cl. 17—26)



1. A device of the class described comprising a member having side plates, an interposed back plate connecting said side plates and provided between the side plates with a discharge opening, the forward edges of the side plates having their upper portions straight and disposed on an inward and upward angle with respect to the vertical, said straight edges at points spaced therealong being provided with bearing recesses, shafts engaging within said recesses and bridging the space between the side plates, a cap member having head plates having straight edges butting the straight edges of the side plates, said head plates of the cap member also having bearing recesses in the straight edges to engage over the shafts within the recesses of the side plates, means coacting with the head plates of the cap member and the side plates for holding the cap member in place, penetrating members carried by the shafts between the side plates and connected for unitary rotation, and means for rotating the shafts, the cap member having a feed opening.

2,001,642
MANIFOLDING SHEET
Walter R. Whitley, Methuen, Mass.
Application May 5, 1934, Serial No. 724,165
4 Claims. (Cl. 282—28)



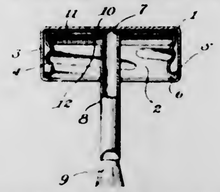
1. A device of the character described comprising, in combination, a plurality of superimposed manifolding sheets, strips of relatively stiff material secured to one edge of said sheets and superimposed with relation to each other, said strips projecting beyond the manifolding sheets at one end and having their other ends disposed in progressively staggered relation, and means for securing the projecting ends of said strips together.

2,001,643
METHOD OF FORMING GOLF SHAFTS AND THE LIKE
Hallie M. Wilcox, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Original application October 3, 1930, Serial No. 486,178. Divided and this application January 17, 1933, Serial No. 652,184
8 Claims. (Cl. 29—156)



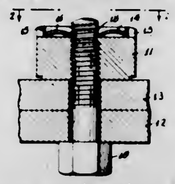
1. The method of forming a tubular shaft for golf clubs from a metal tube which includes infolding the wall of the tube to substantially uniform depth at circumferentially spaced intervals and longitudinally over a portion of the length of the tube proceeding from one end, and drawing the tube to taper it toward the said end and close up the folds to produce inwardly radially extending longitudinal ribs substantially continuous in cross-section.

2,001,644
COMBINATION CAP AND SPREADER
John J. Williams, Wheeling, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
Application May 18, 1932, Serial No. 612,076
Renewed November 20, 1934
3 Claims. (Cl. 91—67.2)



1. A combination bottle cap and spreader including an inner shell having a top and a depending skirt, container engaging means provided on the skirt, an outer shell having a top and a depending skirt, the outer shell encompassing the inner shell and turned inwardly about the inner shell to hold the two shells against relative rotation, the outer shell being smooth throughout to simulate a molded cap, the top of the inner shell provided with an opening to receive the shank of the spreader, the spreader shank terminating within the shells, a flange provided at the top of the spreader shank, and said flange clamped between the tops of the inner and outer shell.

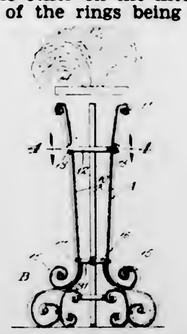
2,001,645
LOCKING DEVICE FOR NUTS, SCREWS, BOLTS, AND THE LIKE
Henry Clark Abell, Interlaken, N. J.
Application June 27, 1934, Serial No. 732,601
6 Claims. (Cl. 151—30)



1. In a lock nut construction, the combination of a bolt, a nut on said bolt having a counter-bore at its outer face, a curved washer slidable over the threads of said bolt and non-rotatively connected with said bolt, said curved washer being arcuate shape in radial cross section and having the inner and outer diameters initially on a common plane, and adapted to have its inner and outer diameters clamped against the walls of said bolt and bore respectively when pressed flat in said counter-bore.

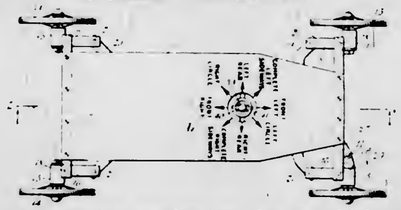
2,001,646
DUPLEX STAND
George Abitsch, San Francisco, Calif.
Application October 3, 1934, Serial No. 746,742
3 Claims. (Cl. 248—41)

3. A stand of the character described comprising duplex article holding sections and adapted for interfitting one with the other, means for separably locking the sections when interfitted with each other and also functioning for the fastening of an article in one of the sections on the separation of said sections, and rings carried by the respective sections and one received in the other on the interfitting of the sections, one of the rings being provided with



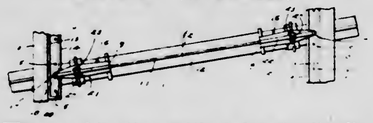
bayonet slots opening through one edge of said ring and removably receiving the locking means.

2,001,647
STEERING MECHANISM
Eugene C. Alt, Brooklyn, N. Y.
Application June 29, 1934, Serial No. 733,139
9 Claims. (Cl. 280—91)



1. In steering mechanism for a vehicle, the combination with front and rear traction and steering wheels of the vehicle, of steering gear connected with said wheels, said gear including slotted lever means, a manually operable control element, and means mounting said element for universal movement, the lower end of said element being slidably engaged in the slots in said lever means.

2,001,648
BLADE SUPPORTING MEANS FOR ROAD SCRAPERS
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a corporation of Ohio
Application August 26, 1930, Serial No. 477,876
6 Claims. (Cl. 37—143)



1. The combination with a longitudinally extending supporting beam having an outwardly projecting flange, a scraper disposed beneath the supporting beam, of means for clamping the scraper and the supporting beam comprising a clamping member having at one end a head engaging over the scraper and at the other end provided with an apertured head, a pin passing through the apertured head and engageable with said flange, and means on the clamping member for engaging the scraper and drawing it upward against the under face of the beam and flange and against the head of the clamping

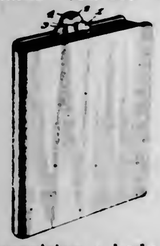
member, said flange on the beam having an upwardly extending guard flange within which the apertured head of the clamping member is disposed.

2,001,649
SUBMERGIBLE ELECTRIC MOTOR
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla.
Application October 20, 1933, Serial No. 694,509
14 Claims. (Cl. 172—36)



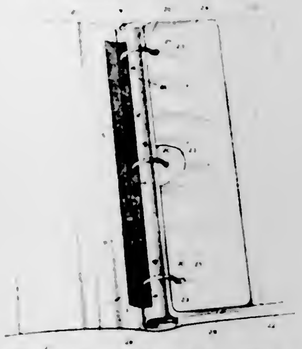
12. In a submergible electric motor unit, a gas chamber, a motor in said gas chamber, bearings for said motor, a motor shaft, a protecting fluid chamber above said gas chamber and surrounding a portion of said shaft, stuffing boxes around said shaft adjacent the upper and lower extremities of said fluid chamber, means in said fluid chamber for creating therein a pressure greater than that of the submergence pressure, whereby there is a constant tendency for said protecting fluid to slightly exude along said shaft from both extremities of said fluid chamber, means interposed between said fluid chamber and gas chamber for intercepting any fluid exuded from the lower extremity of said fluid chamber, at least a portion of said shaft being hollow, said hollow portion being provided with radial passageways arranged adjacent said bearings, means for forcing a lubricating fluid through the hollow portion of said shaft to said bearings, and means for returning said lubricating fluid for recirculation.

2,001,650
BOOKMARK
John N. Bane, South Boston, Va.
Application September 19, 1933, Serial No. 690,158
1 Claim. (Cl. 116—119)



A marker comprising a body shaped to form a finger grip at one edge thereof, relatively spaced and parallel fingers formed integrally with the edge of the body opposite to the edge having the finger grip and each divided into a series of spaces and the spaces of each finger bearing a different character, said fingers having pairs of oppositely arranged notches with the notches of each pair arranged at opposite edges of the fingers, and endless elastic elements surrounding the fingers and each movable from one pair of notches to another pair of notches.

2,001,651
PROTECTOR FOR COVERS OF LOOSE LEAF BINDERS
Frederick C. Bingham, New York, N. Y., assignor to Boorum & Pease Company, Brooklyn, N. Y., a corporation of New York
Application May 28, 1934, Serial No. 728,003
9 Claims. (Cl. 129—24)



1. A device for protecting a cover of a loose leaf binder from rings of said binder, comprising strips hingedly connected, one strip being perforated to receive and fit closely about the circumference of the wire comprising rings of a loose leaf binder, and the other strip being somewhat rigid.

2,001,652
HOOK GUARD
James H. Bird, San Antonio, Tex.
Application August 14, 1934, Serial No. 739,830
2 Claims. (Cl. 43—46)

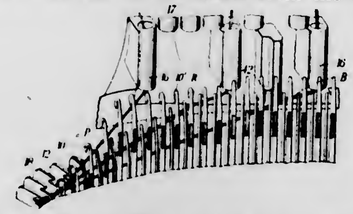


1. A hook guard for artificial bait, comprising a base member including apertured ears, an outer member including apertured ears and cooperating with the first mentioned ears for securing the guard to the body of the bait, means included in the outer member to pivotally receive the hook means, lugs formed on the base member to limit lateral and rearward movement of the hook means, and means included in the outer member to limit forward movement of the hook means so that the latter cannot contact the body.

2,001,653
REVERSE PLATING
John Howard Booton and Herman Booton, Leicester, England
Application February 14, 1934, Serial No. 711,252
In Great Britain July 30, 1932
19 Claims. (Cl. 66—90)

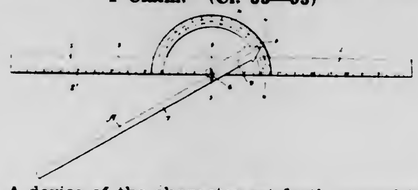
1. That process of producing plating and reverse plating upon a series of hooked needles which comprises feeding at least three threads

to the needles, in a plating relation, and in knitting three threads in said relation at certain wales, changing said relation at other wales by positively separating the thread that is to appear at the face of the fabric from the others



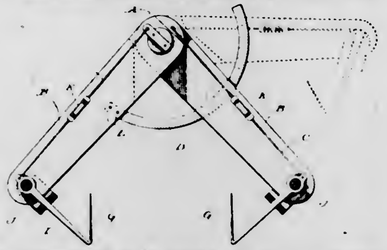
and maintaining such separation during loop formation, knitting the three threads in such wales in said changed relation, making a further change in the plating relation, and knitting at least one loop from threads in said further relation.

2,001,654
ANGLE INDICATOR
Thomas C. Burrows, Wink, Tex.
Application September 17, 1934, Serial No. 744,407
1 Claim. (Cl. 33—93)



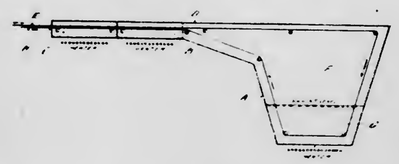
A device of the character set forth comprising an angle iron member providing portions arranged at right angles to each other, one of said portions at its free edge having a scale of twenty-four inches, said member having recesses, an arcuately curved protractor plate secured in said recesses and provided with a protractor scale, an indicator pivoted in said member and movable over the protractor plate, a tail piece integral with the pivoted end of the indicator and of a width equal to one-half of the width of the indicator, said other portion of the tail piece providing a straight edge.

2,001,655
TURPENTINE-FACE SCRIBE
Thomas N. Busch, Lake City, Fla.; dedicated to the free use of the Public
Application July 15, 1933, Serial No. 680,577
1 Claim. (Cl. 33—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A turpentine-face scribe, of the character described, comprising a plurality of arms pivoted together at one end; handles mounted at the opposite end of said arms; shields carried by said handles; cutting blades pivotally mounted on said arms and near said handles, said blades having their cutting edges extended toward a common point, and means adapted to maintain said relative position of the blades as said arms are adjusted.

2,001,656
PROCESS AND APPARATUS FOR REDUCING SOLVENT LOSSES IN FABRIC CLEANING
Rudolf von Grüber-Rehenbürg and Robert Stöbe, Munich, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation
Application August 25, 1934, Serial No. 741,526
In Germany August 9, 1933
6 Claims. (Cl. 68—38)



4. Process for the reduction of solvent losses in the treatment of a length of material with volatile solvents in continuous operation comprising passing the incoming and outgoing portions of the material through an enclosed space in close proximity and parallel to each other before and after treatment with the solvent and heating said portions while in such close proximity to each other to transfer solvent from the outgoing material to the incoming material.

2,001,657
ELECTRIC LAMP RECEPTACLE
Henry K. Wack, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts
Application September 13, 1932, Serial No. 632,931
8 Claims. (Cl. 177—311)



1. An electric lamp receptacle comprising an insulating body provided with a recess, said recess having a diametrical slot in its two opposite sides and bottom, said slot opening out on one side of said body, a U-shaped contact fastened in said recess, said contact having the inner edges of its two arms corrugated to fit the threaded end of an electric lamp and to hold it in said recess and having one of its arms provided with a wing extending outwardly through said side opening and carrying a binding screw for the attachment of a lead wire thereto, and a lamp contact mounted on the side of said body and extending through a side hole in said insulating body into said recess.

2,001,658

DRYING PARA-HYDROXYDIPHENYL

William H. Williams, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 12, 1934, Serial No. 734,822

2 Claims. (Cl. 260—154)

1. In a method for the dehydration of para-hydroxydiphenyl, the step which consists in feeding said compound to a substantially anhydrous mass thereof maintained in the molten condition.

2,001,659

PREPARATION OF FORMIC ACID

John C. Woodhouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 11, 1932, Serial No. 642,239

10 Claims. (Cl. 260—114)

1. In a process for the preparation of formic acid from carbon monoxide and steam the step which comprises effecting the reaction in the presence of a volatile inorganic acid catalyst which is continuously formed in situ.

10. In a process for the preparation of formic acid from carbon monoxide and steam the step which comprises passing carbon monoxide, steam, and a non-metal, which reacts with water to form acids, into the reaction.

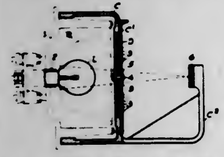
2,001,660

TESTING DEVICE AND METHOD FOR SIGNAL LIGHT REFLECTORS

Karl W. Abendroth, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 31, 1931, Serial No. 554,272

7 Claims. (Cl. 88—14)



1. In testing means for elliptical reflectors, in combination, a casing, means in the casing for receiving in elliptical reflector in a predetermined position therein and a light source at the principal focus of the reflector, a target positioned at the conjugate focus of the reflector, and a fixed disc having a plurality of minute apertures therein positioned between the light source and the target and a movable disc movably positioned over the fixed disc and having apertures therein which can be selectively alined with the apertures in the fixed disc upon movement of the movable disc, said fixed disc being opaque and having its apertures radially spaced, said movable disc being opaque and rotatably mounted on the fixed disc and having its apertures radially and angularly spaced therein, whereby to completely scan the surface of the reflector with respect to light rays passing from the reflector to the target.

2,001,661

CONCRETE PUMPING SYSTEM

Charles F. Ball, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 6, 1933, Serial No. 664,827

3 Claims. (Cl. 103—224)

1. The combination with a pump for concrete and similar plastic materials having valve controlled inlet and outlet passages which at certain times in the operation of the pump may be simultaneously open, and a pulsation damping device, of longitudinally extended connections between said pump and device arranged to contain a quantity of the material being pumped



sufficient that the inertia thereof and the friction between said material and the walls of said connections may over-come the back pressure exerted by said damping device and prevent backslip of said material in said passages when they are simultaneously open.

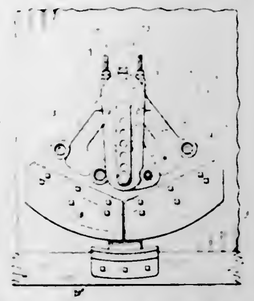
2,001,662

COUNTERBALANCING DEVICE

Richard R. Bloss and Roy C. Pfeil, Columbus, Ohio, assignors, by mesne assignments, to International-Stacey Corporation, Franklin, Ohio, a corporation of Ohio

Application April 6, 1928, Serial No. 268,028

10 Claims. (Cl. 74—591)



10. In a well-pumping mechanism, a crank shaft, a crank arm mounted on said crank shaft, a counterbalance weight structure, means for suspending said counterbalance weight structure from said crank shaft and in juxtaposition to said crank arm, said suspending means being adjustable to raise said counterbalance weight structure or to lower it relative to said crank arm, and means other than said weight suspending means for attaching said weight structure directly to said crank arm when said crank arm and said weight are in proper relation to each other at any of a plurality of circumferential positions relative to said crank arm.

2,001,663

HEATER

Carl T. Carlson, Erie, Pa., assignor to Erie City Iron Works, Erie, Pa., a corporation of Pennsylvania

Application October 17, 1932, Serial No. 638,191

3 Claims. (Cl. 257—224)

1. In a heater, the combination of a case having an inlet and discharge; a tube plate at the bottom of the case having openings with beveled tube seats therein; a tube plate at the top with openings therein; tubes extending into the openings in the top plate and, said tubes having surrounding edges at their bottom ends seated on

the beveled surfaces of the seats in the bottom plate; and inlet and exhaust chambers outside of



the tube plates with which the tubes communicate.

2,001,664

METHOD OF MAKING CELLULAR CLAY PRODUCTS

Harry D. Foster, Logan, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 15, 1933, Serial No. 675,972

5 Claims. (Cl. 25—156)

1. The method of making cellular clay material which comprises, grinding clay to a fine grain size, subjecting the clay to a calcination temperature, mixing the dry clay with a gas generating material and then with a dilute acid, agitating said mixture until it attains a smooth, creamy consistency, allowing interaction between the gas generating material and acid to produce a cell forming gas throughout the entire body of the mixture, and subjecting the cellular clay mass to a firing temperature.

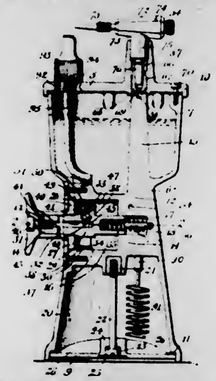
2,001,665

DENTAL BLOWTORCH

Edmond J. Franwick, Buffalo, N. Y., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y., a corporation of New York

Application July 28, 1932, Serial No. 625,321

12 Claims. (Cl. 158—27.5)



1. A dental torch, comprising a casing having a plunger cylinder between its ends with its axis at an angle thereto, an air chamber and a fuel chamber separated by said plunger cylinder, a piston plunger within said plunger cylinder, conduit connection between said plunger cylinder and said air chamber, an air-escape nozzle, conduit connection between said air chamber and said air-escape nozzle, and means for maintaining a flame in the path of the air escaping from said nozzle.

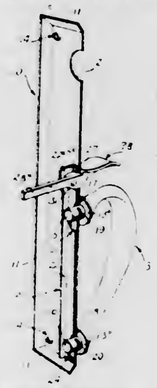
2,001,666

ESCUTCHEON PLATE AND HANDLE ASSEMBLY

Henry F. Keil, Scarsdale, N. Y., assignor to Francis Keil & Son, Inc., a corporation of New York

Application February 27, 1933, Serial No. 658,698

4 Claims. (Cl. 16—125)



3. In a latch construction, in combination, an escutcheon plate having a hole therein and an aperture spaced therefrom, a handle resting against the front face of said plate and having a portion extending through said aperture, a part on the other face of said plate and having means whereby upon relative movement between said part and said portion of said handle said part interengages with said portion to prevent withdrawal of said handle from said plate and whereby said part is secured against said other face of said plate, and a latch lever supported by said part, said latch lever passing through said hole in said plate and thereby preventing relative movement between said part and said portion of said handle and thereby locking these elements against disengagement.

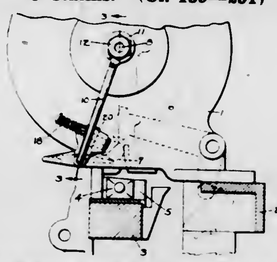
2,001,667

BOBBIN SUPPORTING DEVICE

Riley G. Lackey, New Holland, Ga., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

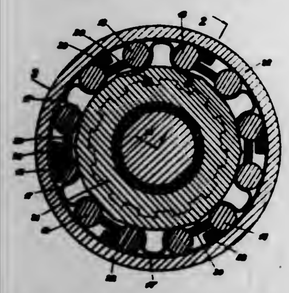
Application November 23, 1934, Serial No. 754,513

5 Claims. (Cl. 139—251)



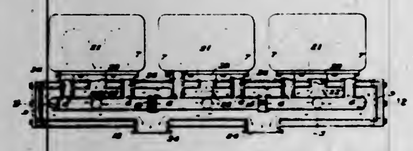
1. A supporting device for the bobbin support of a bobbin changing loom, said device being comprised of a rod having an integral eye at its upper end which eye is adapted to engage the axial stud of a rotary hopper, the lower end of said rod being turned into parallelism with the axis of said eye and constituting a combined support and bearing for the bobbin support.

2,001,668
FREEWHEELING CLUTCH
Albert Maier, Friedrichshafen, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany
Application November 29, 1933, Serial No. 700,201
In Germany, December 12, 1932
1 Claim. (Cl. 192—48)



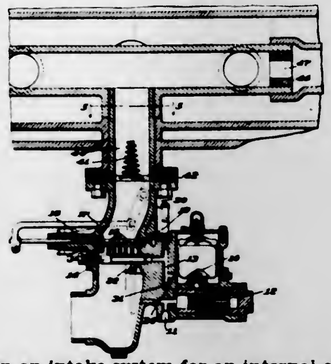
A free-wheeling clutch comprising: an inner rotatory member; an outer rotatory member; rollers between said members; one of said rotatory members having a smooth annular surface facing said other rotatory member; the other one of said rotatory members having wedge-shaped surfaces, half of said wedge-shaped surfaces being inclined in clock-wise direction, the other half being inclined in anti-clock-wise direction; springs inserted in every other space between two adjacent rollers of said rollers, said springs being adapted to press said rollers upward along the slope of said wedge-shaped surfaces so as to cause driving connection between both said rotatory members in both driving directions; members projecting between said rollers, and means for moving said projecting members in annular direction, thereby pressing every other one of said rollers downward the slope of the respective wedge-shaped surfaces and a loose cage inserted between said rollers, adapted to limit the maximum distance between every pair of said rollers pressed apart by said springs.

2,001,669
MANIFOLD
Walter S. Smith, Quincy, Mass., assignor to Shore Corporation, Dover, Del., a corporation of Delaware
Application March 28, 1932, Serial No. 601,649
15 Claims. (Cl. 123—52)



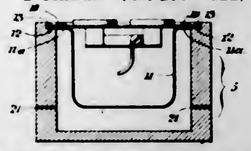
1. In an inlet manifold for a multi-carburetor engine having cylinders arranged in line, a lateral header having pairs of outlet branches leading therefrom and separate inlet conduits leading thereto from the respective carburetors, each of said inlet conduits entering the header between the members of a pair of said outlet branches, said header being provided with means between pairs of outlet branches to check surging of fuel therein.

2,001,670
INTAKE SYSTEM FOR MULTICYLINDER INTERNAL COMBUSTION ENGINES
Walter S. Smith, Quincy, Mass., assignor to Shore Corporation, Dover, Del., a corporation of Delaware
Application July 7, 1933, Serial No. 679,411
48 Claims. (Cl. 123—122)



1. In an intake system for an internal combustion engine, an intake pipe, carburetor nozzles including an idling nozzle in said intake pipe, a throttle adapted to open and close at least some of said nozzles successively and to vary correspondingly the air opening around said nozzles, the intake pipe being otherwise unthrottled, and a resistance element adapted to be heated electrically and located in said intake pipe beyond the throttle in the path of the liquid fuel as it is drawn from the idling nozzle, whereby in starting the engine the vacuum caused by cylinder suction may be maintained in the intake system to the idling nozzle and liquid fuel may be drawn from said nozzle at high velocity, thrown against said resistance element, heated and vaporized at reduced pressure.

2,001,671
PORTABLE ELECTRIC CURRENT TAP DEVICE
John Villa, Philadelphia, Pa., assignor to Max W. Bieberbach, Jr., Philadelphia, Pa.
Application September 3, 1932, Serial No. 631,661
1 Claim. (Cl. 177—311)



A portable electric current cap device comprising a block of combustible material having a longitudinal recess in one face thereof and having open grooves formed in the longitudinal walls thereof adjacent said recess, said block also having ventilating apertures in the opposite longitudinal walls thereof, a unitary metal shield extending the entire length of said recess and having a depressed central portion co-extensive therewith and extending into said recess and spaced from the longitudinal walls thereof for purposes of ventilation, said shield having integral lateral flanges extending into the longitudinal grooves in said block and secured thereto, a manually operable switch device having metallic supporting portions extending partially over the integral flanges of said shield and secured thereto, a socket mounting having metallic supporting portions extending partially over the integral flanges of said shield and secured thereto, a current flow indicating bulb in said socket mounting, an attachment receptacle having metallic supporting portions extending partially over the integral flanges of said shield and secured thereto, a cover plate adapted to fit over said block and secured to said metallic supporting portions of said switch device, said socket mounting and said attachment receptacle, said cover plate having spaced openings therein through which said switch device and said attachment receptacle are accessible and a jewel mounted thereon and through which said current flow indicating bulb is visible, and an electric cord connected to said switch device, said attachment receptacle and said socket and having means for connection to a wall outlet or other source of electric current.

2,001,672
LIGHT-SENSITIVE CELL
Arthur W. Carpenter, New York, N. Y., assignor to United Research Corporation, New York, N. Y., a corporation of Delaware
Application September 20, 1930, Serial No. 483,263
1 Claim. (Cl. 201—63)



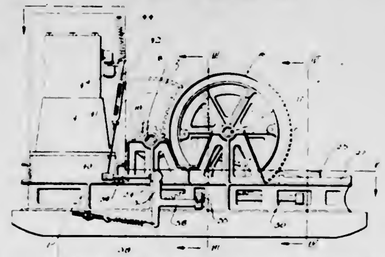
A light-sensitive cell comprising a plurality of pairs of electrodes and layers of sensitive material cooperating therewith, in cooperative relation to a single transparent support said electrodes comprising means adapted to reflect light to and between said sensitive layers.

2,001,673
SUBMARINE LIFESAVING OUTFIT
Robert Henry Davis, London, England
Application October 16, 1933, Serial No. 693,877
5 Claims. (Cl. 128—191)



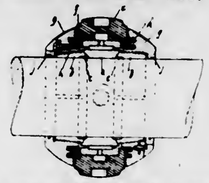
1. A self-contained submarine escape breathing outfit comprising, in the form of a complete preassembled unit, an inflatable breathing bag occupying in the donned outfit a vertically disposed position in front of the wearer's chest, a mouthpiece, a shut-off valve therein, a breathing tube connection between the mouthpiece and the breathing bag, means for re-conditioning the air breathed into the breathing bag, an inflatable buoyancy chamber capable of maintaining the wearer of the outfit afloat in the event of the breathing bag becoming flooded, a readily breakable capsule of compressed gas located in readiness for use within the buoyancy chamber for the inflation of the latter and capable of being broken by manual pressure applied to it through the flexible wall of the chamber, the said chamber being a completely closed chamber in the sense herein specified and the capsule within it containing a quantity of compressed gas not greater than is sufficient fully to inflate the chamber at external atmospheric pressure.

2,001,674
AUTOMATIC GAS ENGINE CONTROL FOR HOISTS
Einar Erickson, Chicago, Ill., assignor, by mesne assignments, to John Howard McElroy, Chicago, Ill.
Application July 23, 1926, Serial No. 124,395
Renewed October 19, 1934
5 Claims. (Cl. 187—2)



1. In a hoisting apparatus, the combination with an engine and a throttle valve for controlling its speed, of a clutch shaft, a drum shaft, a pair of drums having friction brakes and brake bands attached thereto loosely mounted on said drum shaft, gearing between the engine and the clutch shaft, shiftable clutch mechanism on the clutch shaft, duplex gearing between the clutch mechanism and the drums, a cable wound on the drums, cages on the ends of the cable, guiding means for the cables and cages, a central cable associated with the guiding mechanism, a brake-band rock-shaft, a clutch-shifting rock-shaft, connections between the brake-band rock-shaft and the clutch-shifting rock-shaft to cause them to rock together, an arm on the brake-band rock-shaft, and a link from said arm to the throttle valve, substantially as and for the purpose described.

2,001,675
CLOSED REMOVABLE NEEDLE BEARING
Georg Eisgruber, Nuremberg, Germany
Application August 27, 1932, Serial No. 630,683
In Germany May 15, 1931
4 Claims. (Cl. 308—236)



1. In a closed removable needle bearing a supporting hub, comprising a rigid supporting ring

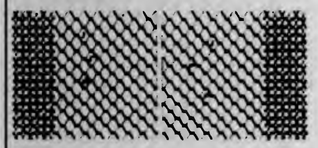
and a resilient cone at least on one side of said supporting ring having an annular recess in its inner surface directly adjacent said supporting ring.

2,001,676
STOCKING
Gustav Gastrich, Wyomissing, Pa., assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application October 12, 1931, Serial No. 568,533
4 Claims. (Cl. 66—202)



1. As a new article of manufacture, a knitted stocking made from yarn consisting of three or more filaments united by braiding the same over and under each other in sinous paths.

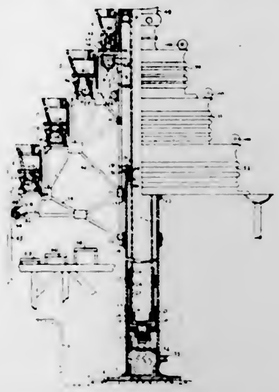
2,001,677
WIRE BELT
Fraslen Michael Gere, Oaklyn, N. J., assignor to Audubon Wire Cloth Corporation, Audubon, N. J., a corporation of New Jersey
Application March 22, 1934, Serial No. 716,913
23 Claims. (Cl. 245—6)



1. A belt made of helically twisted interlocking wires coiled in one direction having a selvage made up of short helically twisted interlocking wires coiled in another direction and interlaced with the end portions of the interlocking belt wires.

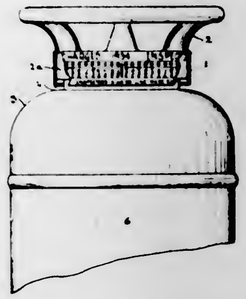
2,001,678
STAGE APPARATUS
Robert Lewis Gelb, Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application February 28, 1934, Serial No. 713,350
3 Claims. (Cl. 20—1.123)

1. A theatrical platform for motion pictures comprising a plurality of concentric telescoping stages, a hydraulic display system individual to each of said concentric stages, means for successively extending and telescoping said stages, said means comprising a hydraulic lift, and means for rotating said stages, said last-mentioned



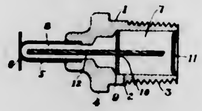
means comprising a motor and gear train individual to each of said stages.

2,001,679
INSPECTION TAG FOR FIRE EXTINGUISHERS
Frank E. Haughey, Philadelphia, Pa., assignor to said Frank E. Haughey and Martha A. Haughey, his wife, as tenants by the entireties, both of Philadelphia, Pa.
Application May 28, 1934, Serial No. 727,999
7 Claims. (Cl. 40—21)



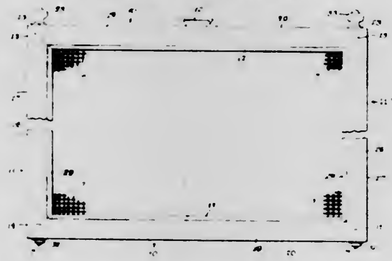
5. In combination, a fire extinguisher having a main body portion, a mouth portion therein and a cap, having a hub adjacent the mouth of the extinguisher, removably enclosing said mouth portion and an annular ring of stiff material, bearing a set of inchoate date marks, being placed around said extinguisher between the cap and main portion thereof, said ring being of such diameter and depth that at least the upper portion thereof encircles the hub of said cap, having said inchoate date marks located in the said upper portion thereof, having a signature-receiving area on the inside wall thereof, and having a turned-in flange on the lower edge thereof, the diameter of said ring being not substantially greater than the diameter of the said hub of said cap, thereby requiring removal of the cap as a prerequisite to the completion of an inspection indication on said ring.

2,001,680
ACTUATOR FOR FIRE PROTECTION SYSTEMS
Henry Ernest Heigis, West Orange, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application December 12, 1933, Serial No. 702,089
12 Claims. (Cl. 116—105)



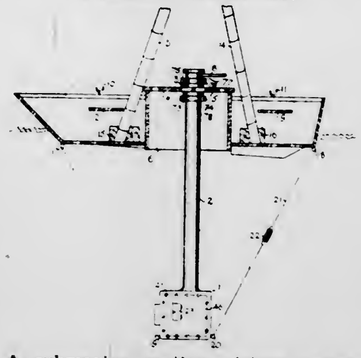
5. An actuator for use in a fire protective system comprising a chambered body member and adapted to be connected for use in the fire protective system, a hollow member of inflammable material closed at one end and adapted to communicate at its other end with the chamber of the first named member and to form a substantially air-tight seal therewith, said hollow member being so disposed as to constitute an element projecting from said chambered member, a fuse member disposed substantially centrally of the hollow member and the chambered body member and extending from a point adjacent the closed end of the hollow member to a point adjacent the remote end of the chambered body member, an ignitible gas forming charge surrounding said fuse member and substantially filling said hollow member and said chambered body member, and easily displaceable means normally closing the remote end of the chambered body member so as to normally retain the gas forming charge within the actuator.

2,001,681
SCREEN CORNER CONSTRUCTION
Elbridge G. Huff, Malden, Mass., assignor to Cutter Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application March 22, 1933, Serial No. 662,106
7 Claims. (Cl. 126—202)



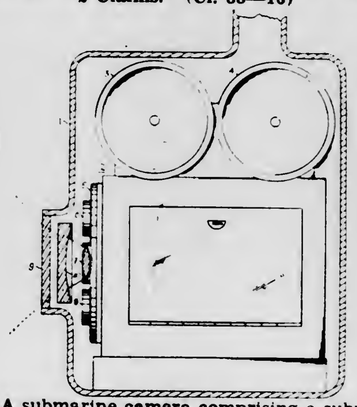
1. In a corner construction for a screen or the like, a pair of adjacent frame members which are channel-shaped with their wings directed inwardly and their webs outwardly, the web of one member being provided with slots and an opening therebetween and the wings of the other member being provided with tongues each of which has a notch in its free end edge, said tongues being inserted into said slots, respectively, and bent into engagement with the web of the slotted member, the notches leaving the opening uncovered, a rod the end of which projects through the opening in the slotted member, and a fastening element secured to the rod in engagement with the notched tongues.

2,001,682
SUBMARINE CAMERA
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application July 5, 1932, Serial No. 620,825
2 Claims. (Cl. 88—16)



1. A submarine motion picture camera arrangement comprising the combination of a boat, a well therein, a gimbal bearing mounted on said boat adjacent said well, a tube depending from said bearing, a casing connected to the lower end of said tube and containing therein a motion picture camera with its film supply and take-up reels, the size of said well being sufficient to permit hoisting said tube and said casing above the water line to change the film supply and take-up reels in said casing.

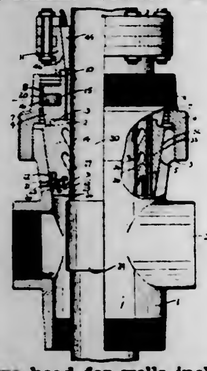
2,001,683
SUBMARINE CAMERA
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application August 26, 1932, Serial No. 630,568
2 Claims. (Cl. 88—16)



1. A submarine camera comprising a submersible water-tight casing, a camera therefor, an objective lens in said camera, a window in said casing in front of said lens, a reducing lens adjacent said objective lens and located between said objective lens and said window, the reducing power of said reducing lens being so related to the magnifying power of the water in which said camera is submerged that distant submerged objects photographed by said camera appear to

have a size comparable with the size they would have in air if positioned at the same distance from the camera.

2,001,684
PRESSURE HEAD FOR OIL WELLS
Edwin A. Johnson, Houston, Tex., assignor, by mesne assignments, to Frank J. Hinderliter, Tulsa, Okla.
Application June 13, 1930, Serial No. 460,855
Renewed August 5, 1931
33 Claims. (Cl. 166—14)



1. A pressure head for wells including a well casing, a casing head thereon having a downwardly tapered seat, a packing member therein adapted to fit said seat and seal about an inner pipe, said member including upper and lower rings having openings sufficiently large to permit the passage of a pipe coupling, a rubber gasket between said rings, said gasket having annular undercut recesses on its inner surface to provide downwardly curved lips to engage said pipe, and means to secure said rings to said gasket.

2,001,685
PHOTOTUBE
Duff C. Law, deceased, late of Philadelphia, Pa., by Janet F. Law, administratrix, Philadelphia, Pa., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 30, 1931, Serial No. 578,016
4 Claims. (Cl. 250—27.5)



4. A photo-electric tube comprising a plurality of sets of electrode surfaces, one electrode surface of each set being photosensitive, said photosensitive surfaces being responsive to different frequency ranges respectively.

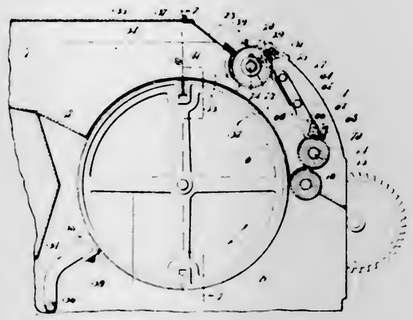
2,001,686
FUSIBLE SAFETY DEVICE
Robert H. Moore and Russell B. Allen, Lexington, Mass., assignors to J. W. Moore Valve Corporation, Everett, Mass., a corporation of Massachusetts
Application April 23, 1932, Serial No. 607,112
3 Claims. (Cl. 122—504.1)

1. A relief valve comprising a body having a chamber therein and a liquid discharge outlet leading therefrom, a fusible plug in said discharge outlet adapted to melt at a predetermined temperature in said chamber, a carrier for said plug, said body having an opening therein communicating with said chamber diametrically opposite said discharge outlet for insertion and removal of said carrier and plug, and means cooperating



with said carrier to seal said opening, said carrier and plug being so proportioned that when said opening is sealed by said carrier, said plug will have a sealing fit in said discharge outlet, said carrier having a recess therein remote from said chamber and adapted to house a similar fusible plug.

2,001,687
PICKER
Joseph Moss, Woonsocket, R. I., assignor, by mesne assignments, to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application July 7, 1930, Serial No. 465,999
29 Claims. (Cl. 19—156)

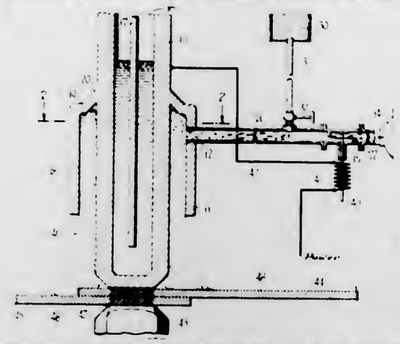


1. A picker having, in combination, a single condenser, a casing around the condenser cooperating therewith to define a fiber-chamber, stripping means, means for drawing a current of air through the fiber chamber and the condenser to deposit fibers from the air current and to form a sheet on the condenser, and means cooperating with the casing and the condenser for preventing access of fiber-laden air to the sheet on a portion of the condenser where the air currents are directed inwardly of the condenser.

2,001,688
METHOD OF WELDING
James J. Paugh, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1932, Serial No. 614,166
4 Claims. (Cl. 219—4)

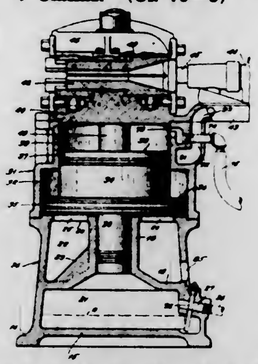
4. The combination of a spot welding electrode and cooling means including an orifice arranged

to discharge a jet of a cooling fluid toward the



electrode, and means arranged to release said jet in synchronism with the flow of welding current.

2,001,689
DRILL SHARPENER
Gustav C. Pearson, Denver, Colo., assignor to Gardner-Denver Company, Denver, Colo., a corporation of Delaware
Application January 24, 1931, Serial No. 510,980
7 Claims. (Cl. 76—5)



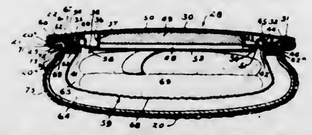
1. In a metal working machine, a base and a fluid actuated work engaging element thereon, means controlling the flow of fluid to and the exhaust from said element, an exhaust-expansion chamber within the base receiving the exhaust from said element, said element being adjacent to and in communication with said chamber, and said element being actuated partly by the exhaust during its expansion period.

2,001,690
VANITY CASE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application March 15, 1932, Serial No. 598,910
14 Claims. (Cl. 132—82)



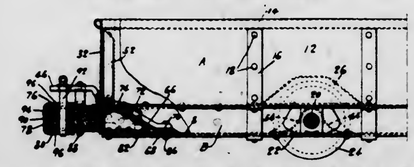
1. In an article of the class described, in combination, means forming a substantially circular metallic ring including an annular downwardly depending flange, and a lined metallic mesh pouch having its edge portion secured to said flange.

2,001,691
VANITY CASE CONSTRUCTION
Alfred F. Reilly, North Attleboro, Mass.
Application April 4, 1932, Serial No. 602,910
15 Claims. (Cl. 132—82)



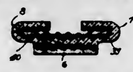
1. In an article of the class described, in combination, a ring substantially U-shaped in cross-section with the free ends facing inwardly, an annular member of thin but relatively stiff material secured in place between the said free ends of the ring, a flexible pouch of impervious material also secured between the free ends of the ring and below the said annular member, and a piece of pervious material constituting a sifter in said pouch and normally retained therein by said annular member.

2,001,692
MINE CAR
Donald U. Rich, Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 8, 1934, Serial No. 743,192
13 Claims. (Cl. 105—364)



1. In an end dump mine car, side sills, a floor secured to the lower portions of the side sills, and means for connecting the end portions of the side sills, said connecting means replacing the usual end sill and comprising a unitary metal member between and connected to the sills and connected to the floor and formed to constitute a combined end sill and end deflector adapted to guide lading out of the car as the latter is tilted.

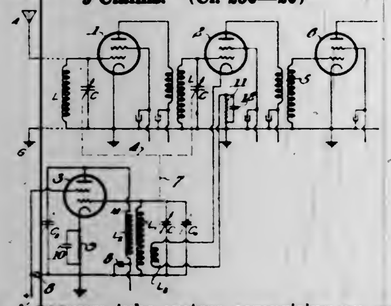
2,001,693
PROCESS OF MANUFACTURING PIPING, WELTING OR THE LIKE
Aaron W. Rockwood, Winchester, Mass., assignor to Haley, Cate, Rockwood Company, Everett, Mass., a corporation of Massachusetts
Original application December 17, 1932, Serial No. 647,774. Divided and this application December 15, 1933, Serial No. 702,494
2 Claims. (Cl. 154—2)



1. The improved process of making finishing strips, welting, or the like, which consists in coating a base with a finishing material, such as pyroxylin or the like, capable of subsequent softening, folding the edges thereof, preparing a second strip for adhesion thereto with a similar coating capable of softening on one side, and an adhesive on the opposite side, softening said similar coated sides by the application of a softening agent, bringing said softened surfaces into contact, applying pressure thereto, and thereafter

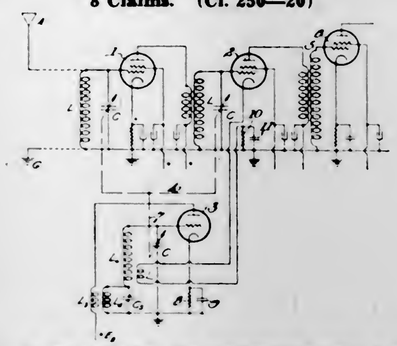
dividing the completed strip into two separate pipings, each with a folded edge and an adhesive portion.

2,001,694
OSCILLATOR CIRCUIT
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 23, 1931, Serial No. 564,676
9 Claims. (Cl. 250—20)



1. A vacuum tube system comprising an oscillator tube having grid and plate electrodes cooperating with a cathode, a pair of inductively coupled coils wound in the same direction, the two adjacent terminals at one end of said pair of coils being connected respectively to the grid and plate, the other two adjacent coil ends each having a connection to the cathode, an adjustable condenser shunted across the grid coil, and means comprising a condenser connected between plate and cathode for effecting a reversal of the phase of the alternating voltages developed at the grid and plate terminals of the coupled coils.

2,001,695
OSCILLATOR CIRCUIT
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 8, 1932, Serial No. 585,592
Renewed March 16, 1934
8 Claims. (Cl. 250—20)

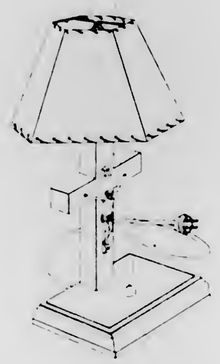


1. In an oscillator, the combination with a vacuum tube having plate and grid elements and a cathode; and a resonant circuit between cathode and grid comprising an inductance shunted by a series lagging condenser in series with a tuning condenser; the junction of said condensers having an oscillator-frequency connection to the cathode, and the junction of the inductance and tuning condenser being connected to the grid; of means coupling the plate circuit across said series lagging condenser, said means comprises a transformer having one winding in the plate circuit and a second winding shunted across said series lagging condenser.

DESIGNS

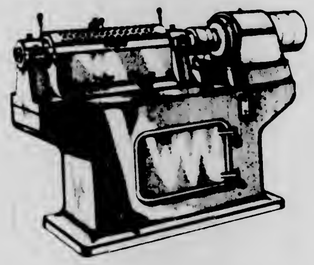
MAY 14, 1935

95,571
DESIGN FOR A LAMP
Charles T. Andrews, Montreal, Quebec, Canada, Assignor to Marvin Nelson, Montreal, Quebec, Canada
Application March 6, 1935, Serial No. 55,750
Term of patent 14 years



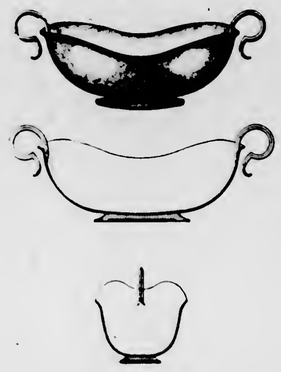
The ornamental design for a lamp as shown.

95,572
DESIGN FOR A SHAVING MACHINE
Michael Annick, Scranton, Pa., assignor to F. Wesel Manufacturing Company, Scranton, Pa.
Application February 6, 1934, Serial No. 50,649
Term of patent 14 years



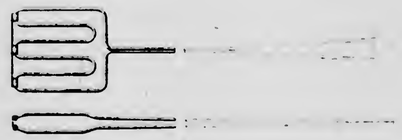
The ornamental design for a shaving machine, as shown and described.

95,573
DESIGN FOR A DISH
Norman Bel Geddes, New York, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application February 13, 1935, Serial No. 55,390
Term of patent 7 years



The ornamental design for a dish, substantially as shown and described.

95,574
DESIGN FOR A GRILL UTENSIL
John L. Bennett and Stephen A. Platt, Decatur, Ill.
Application March 6, 1934, Serial No. 50,968
Term of patent 7 years



The ornamental design for a grill utensil as shown and described.

95,575
DESIGN FOR A CROCHETED BRASSIÈRE
Mayme E. Blood, Downers Grove, Ill., assignor to Collingbourne Mills, Inc., Elgin, Ill., a corporation of Illinois
Application March 21, 1935, Serial No. 55,984
Term of patent 3½ years



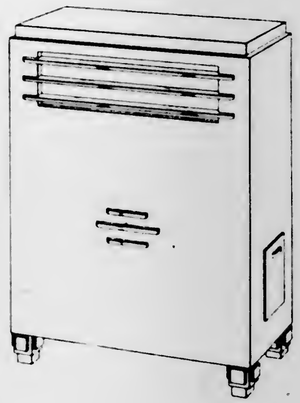
The ornamental design for a crocheted brassière as shown.

95,576
DESIGN FOR A BOTTLE
George M. Brenner, Oak Park, Ill.
Application February 8, 1935, Serial No. 55,319
Term of patent 7 years



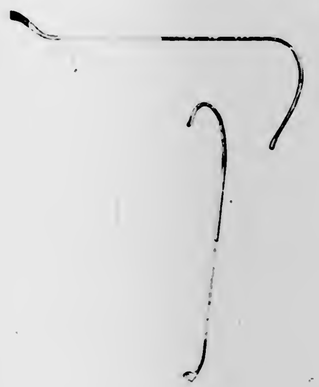
The ornamental design for a bottle, as shown.

95,577
DESIGN FOR A CONSOLE HEATER
Phil Brinckerhoff, Los Angeles, Calif., assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif., a corporation of California
Application March 5, 1935, Serial No. 55,733
Term of patent 7 years



The ornamental design for a console heater substantially as shown.

95,578
DESIGN FOR A SPECTACLE TEMPLE
Oswald B. Carson, Scarsdale, N. Y.
Application January 8, 1935, Serial No. 54,772
Term of patent 14 years



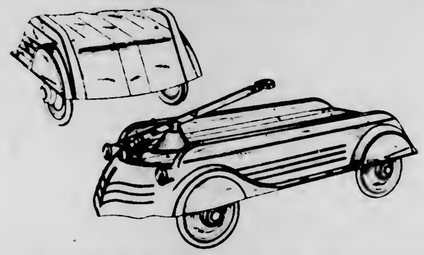
The ornamental design for a spectacle temple, as shown.

95,579
DESIGN FOR A GLASS PLATE OR ARTICLE OF SIMILAR NATURE
George S. Dunbar, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application March 12, 1935, Serial No. 55,853
Term of patent 14 years



The ornamental design for a glass plate or article of similar nature, as shown.

95,580
DESIGN FOR A COASTER WAGON
Joseph B. Eck, Sheboygan, Wis.
Application December 10, 1934, Serial No. 54,377
Term of patent 7 years



The ornamental design for a coaster wagon, substantially as shown.

95,581
DESIGN FOR TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application January 2, 1935, Serial No. 54,685
Term of patent 14 years



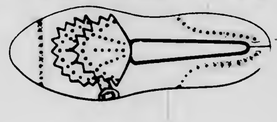
The ornamental design for textile fabric as shown and described.

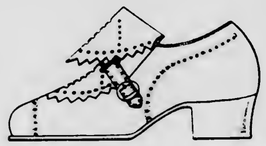
95,582
DESIGN FOR A VENDING MACHINE CASING
Benjamin W. Fry, St. Louis, Mo.
Application March 18, 1935, Serial No. 55,912
Term of patent 7 years



The ornamental design for a vending machine casing, as shown and described.

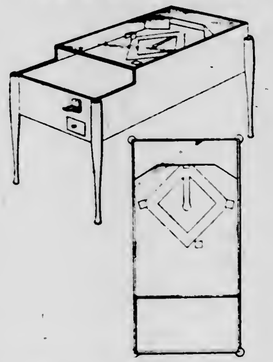
95,583
DESIGN FOR A SHOE
John A. Galway, New York, N. Y.
Application February 25, 1935, Serial No. 55,607
Term of patent 3½ years





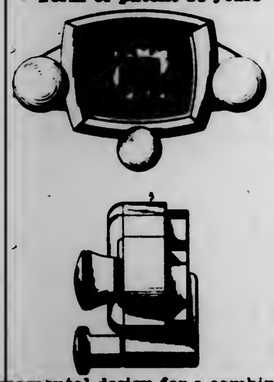
The ornamental design for a shoe, substantially as shown.

95,584
DESIGN FOR A GAME APPARATUS
Leon M. Gibbs, Birmingham, Ala.
Application January 18, 1935, Serial No. 54,909
Term of patent 14 years



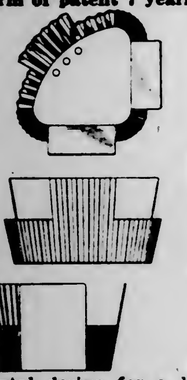
The ornamental design for a game apparatus, substantially as shown.

95,585
DESIGN FOR A COMBINED CONTROLLING AND INDICATING DEVICE FOR RADIORECEIVERS
Emil Herman, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 27, 1935, Serial No. 55,646
Term of patent 14 years



The ornamental design for a combined controlling and indicating device for radio receivers, substantially as shown.

95,586
DESIGN FOR A LINER FOR SINK STRAINERS
Harold C. Harvey, Sturgis, Mich., assignor to Harvey Paper Products Company, Sturgis, Mich.
Application March 2, 1935, Serial No. 55,686
Term of patent 7 years



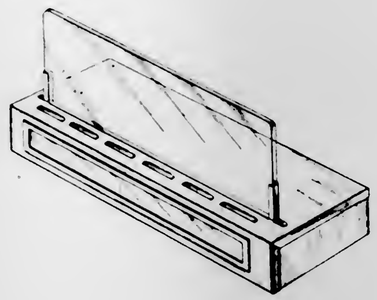
The ornamental design for a liner for sink strainers, as shown.

95,587
DESIGN FOR A FINGER RING OR THE LIKE
Nathan Hershau, New York, N. Y.
Application March 2, 1935, Serial No. 55,695
Term of patent 3½ years



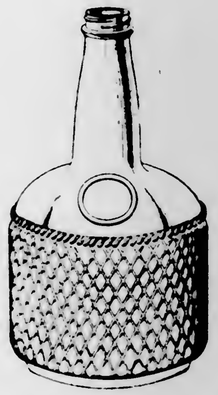
The ornamental design for a finger ring or the like substantially as shown.

95,588
DESIGN FOR AN ILLUMINATED ADVERTISING SIGN OR SIMILAR ARTICLE
Isidore Holsman, Chicago, Ill.
Application December 14, 1934, Serial No. 54,431
Term of patent 7 years



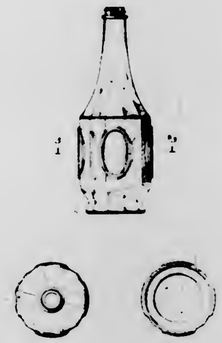
The ornamental design for an illuminated advertising sign or similar article, as shown.

95,589
DESIGN FOR A BOTTLE
Frank T. Kessler, Philadelphia, Pa., assignor to Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 19, 1933, Serial No. 50,111
Term of patent 14 years



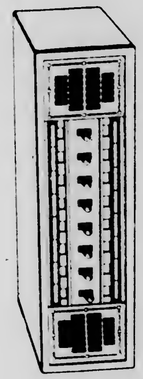
The ornamental design for a bottle, as shown and described.

95,590
DESIGN FOR A BOTTLE
Sidney Kessler, Brooklyn, N. Y., assignor to American Spirits, Inc., New York, N. Y., a corporation of Maryland
Application February 13, 1935, Serial No. 55,380
Term of patent 14 years



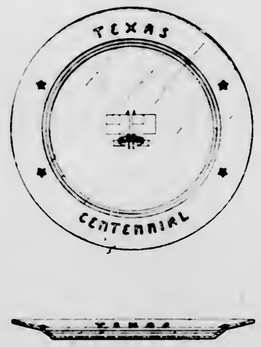
The ornamental design for a bottle as shown.

95,591
DESIGN FOR A CABINET FOR TELEPHONE EQUIPMENT
Henry Koch, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware
Application March 13, 1935, Serial No. 55,867
Term of patent 3½ years



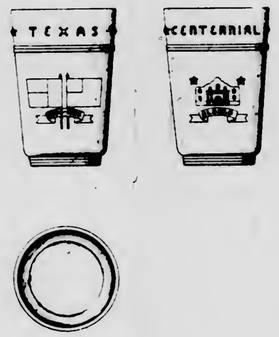
The ornamental design for a cabinet for telephone equipment, as shown.

95,592
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Arthur L. Kramer, Dallas, Tex.
Application January 29, 1935, Serial No. 55,128
Term of patent 3½ years



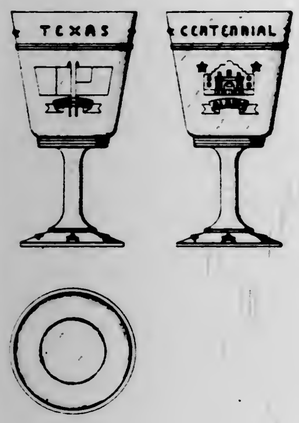
The ornamental design for a plate or similar article, as shown.

95,593
DESIGN FOR A TUMBLER OR SIMILAR ARTICLE
Arthur L. Kramer, Dallas, Tex.
Application January 29, 1935, Serial No. 55,129
Term of patent 3½ years



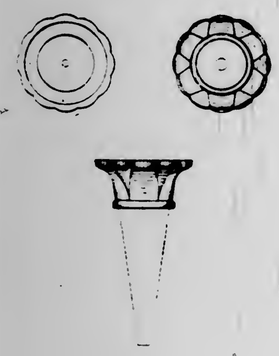
The ornamental design for a tumbler or similar article as shown.

95,594
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Arthur L. Kramer, Dallas, Tex.
Application January 29, 1935, Serial No. 55,130
Term of patent 3½ years



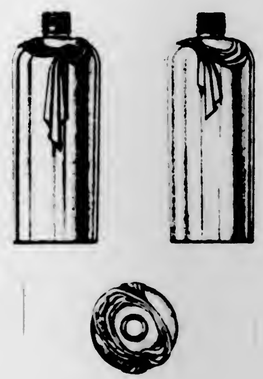
The ornamental design for a goblet or similar article, as shown.

95,595
DESIGN FOR A PASTRY CUP
Urban A. Kreidler, East Orange, N. J., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application March 14, 1935, Serial No. 55,882
Term of patent 14 years



The ornamental design for a pastry cup, as shown and described.

95,596
DESIGN FOR A BOTTLE
Florence N. Lewis, New York, N. Y.
Application February 20, 1935, Serial No. 55,522
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

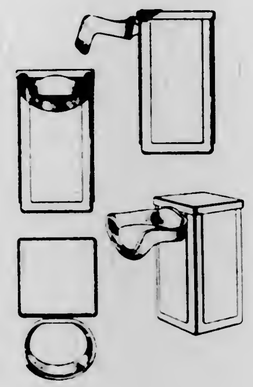
95,597
DESIGN FOR A DISPENSER FOR CUPS OR THE LIKE
Paul A. Lobel, New York, N. Y.
Application September 17, 1934, Serial No. 53,313
Term of patent 14 years



The ornamental design for a dispenser for cups or the like, as shown and described.

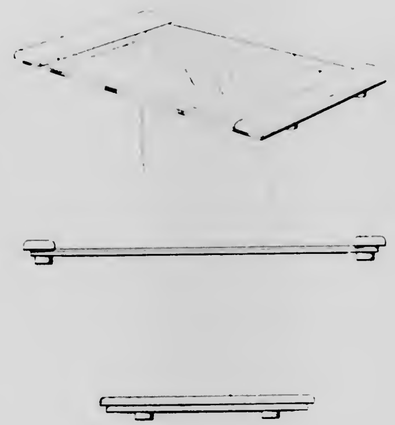
CARNEGIE LIBRARY OF ATLANTA

95,598
DESIGN FOR A MOUNTING FOR A HAND TELEPHONE
George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1935, Serial No. 54,895
Term of patent 14 years



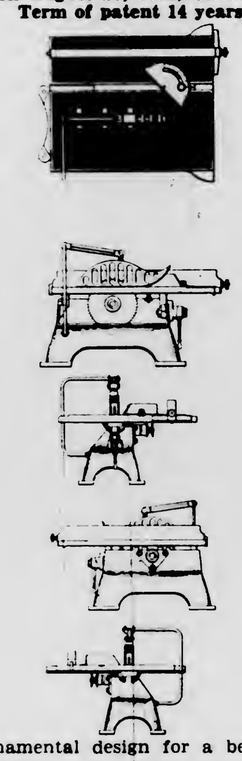
The ornamental design for a mounting for a hand telephone, as shown and described.

95,599
DESIGN FOR A TRAY
Leo Marder, Brooklyn, N. Y., assignor to Celluloid Corporation, a corporation of New Jersey
Application February 5, 1935, Serial No. 55,251
Term of patent 7 years



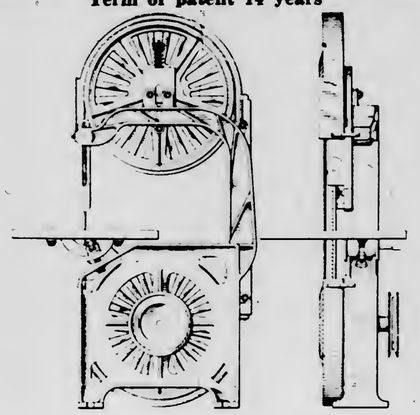
The ornamental design for a tray substantially as shown and described.

95,600
DESIGN FOR A BENCH SAW
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif., a corporation of California
Application August 27, 1934, Serial No. 53,081
Term of patent 14 years

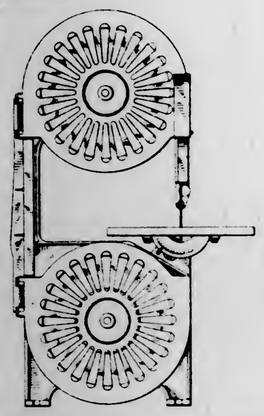


The ornamental design for a bench saw as shown.

95,601
DESIGN FOR A BAND SAW
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif.
Application January 23, 1935, Serial No. 55,018
Term of patent 14 years

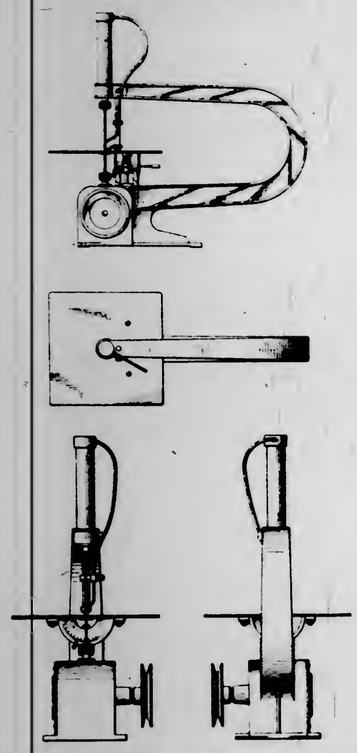


95,601—Continued



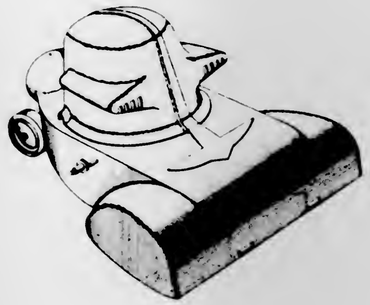
The ornamental design for a band saw as shown.

95,602
DESIGN FOR A JIG SAW
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif.
Application January 23, 1935, Serial No. 55,019
Term of patent 14 years



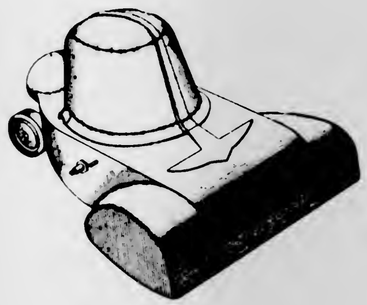
The ornamental design for a jig saw, as shown.

95,603
DESIGN FOR A CASING FOR VACUUM CLEANERS
John Richard Morgan, Oak Park, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application March 11, 1935, Serial No. 55,836
Term of patent 7 years



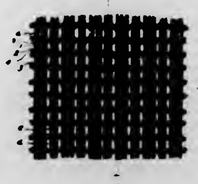
The ornamental design for a casing for vacuum cleaners, as shown.

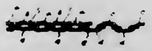
95,604
DESIGN FOR A CASING FOR VACUUM CLEANERS
John Richard Morgan, Oak Park, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application March 11, 1935, Serial No. 55,837
Term of patent 7 years



The ornamental design for a casing for vacuum cleaners, as shown.

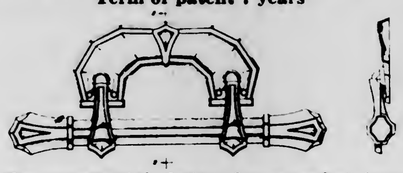
95,605
DESIGN FOR KNIT FABRIC
William Avery Neaves, Elkin, N. C., assignor to Chatham Manufacturing Company, Winston-Salem, N. C., a corporation of North Carolina
Application January 21, 1935, Serial No. 54,983
Term of patent 7 years





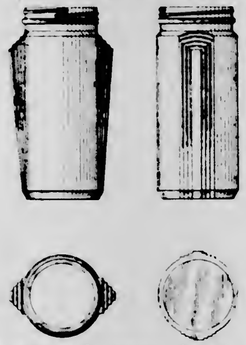
The ornamental design for a knit fabric as shown and described.

95,606
DESIGN FOR A CASKET HANDLE
Paul Lester Parsons, Belvidere, Ill.
Application March 13, 1935, Serial No. 55,869
Term of patent 7 years



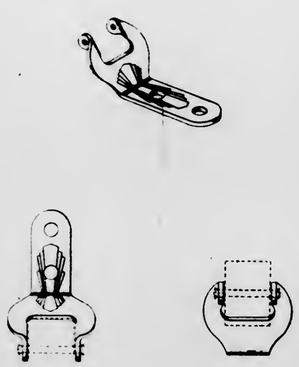
The ornamental design for a casket handle substantially as shown and described.

95,607
DESIGN FOR A GLASS JAR
Fred J. Petty, Muncie, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application August 28, 1934, Serial No. 53,092
Term of patent 14 years



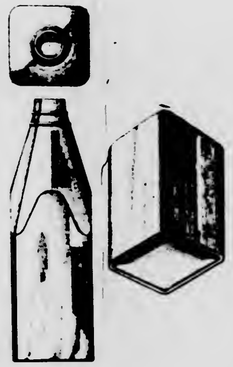
The ornamental design for a glass jar, as shown.

95,608
DESIGN FOR A WINDOW SILENCER
Arthur P. Pfeil, Buffalo, N. Y.
Application March 8, 1935, Serial No. 55,790
Term of patent 7 years



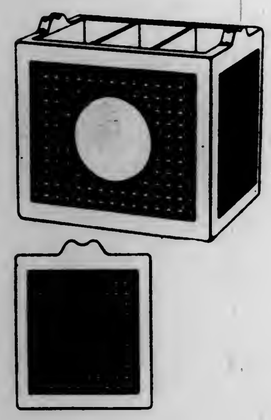
The ornamental design for a window silencer, as shown and described.

95,609
DESIGN FOR A BOTTLE
Paul Plunkett, Greenwich, Conn., assignor to Moulded Pulp Corporation, Dover, Del., a corporation of Delaware
Application September 22, 1934, Serial No. 53,372
Term of patent 14 years



The ornamental design for a bottle as shown and described.

95,610
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,972
Term of patent 7 years



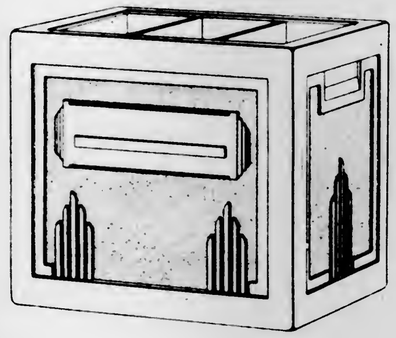
The ornamental design for a storage battery case, as shown and described.

95,611
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,974
Term of patent 7 years



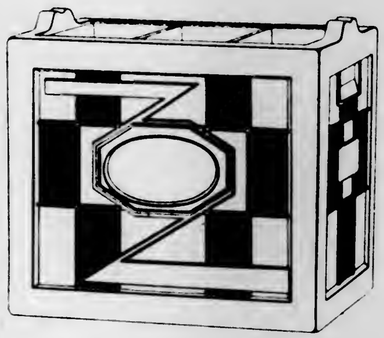
The ornamental design for a storage battery case, as shown and described.

95,612
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 55,988
Term of patent 7 years



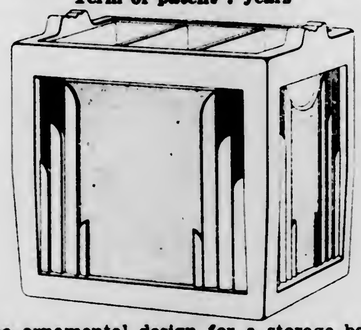
The ornamental design for a storage battery case, as shown and described.

95,613
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 3, 1935, Serial No. 56,188
Term of patent 7 years



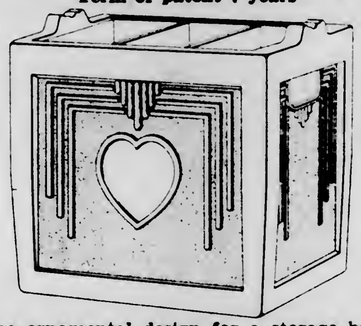
The ornamental design for a storage battery case, as shown and described.

95,614
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 3, 1935, Serial No. 56,189
Term of patent 7 years



The ornamental design for a storage battery case, as shown and described.

95,615
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 3, 1935, Serial No. 56,190
Term of patent 7 years



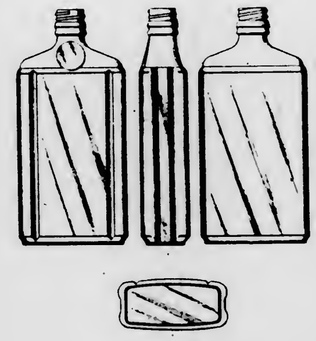
The ornamental design for a storage battery case, as shown and described.

95,616
DESIGN FOR A TAPE MEASURE
Herbert F. Ritter, Bogota, N. J.
Application January 15, 1935, Serial No. 54,864
Term of patent 7 years



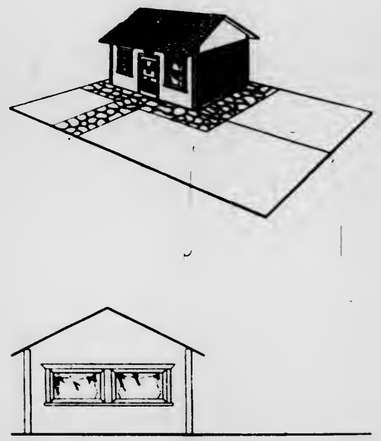
The ornamental design for a tape measure, as shown.

95,617
DESIGN FOR A BOTTLE
George Sakier, New York, N. Y., assignor to Schenley Products Company, New York, N. Y., a corporation of New Jersey
Application March 6, 1935, Serial No. 55,756
Term of patent 14 years



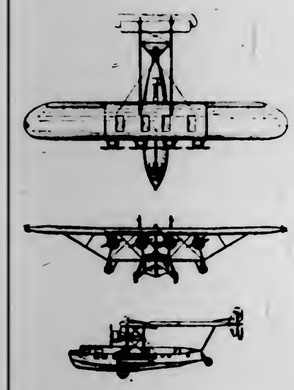
The ornamental design for a bottle as shown.

95,618
DESIGN FOR A COMBINED FOLDING DOLL HOUSE AND YARD
Ellsworth E. Saxton, Seattle, Wash.
Application September 25, 1934, Serial No. 53,393
Term of patent 3½ years



The ornamental design for a combined folding doll house and yard, as shown and described.

95,619
DESIGN FOR AN AIRPLANE
Igor I. Sikorsky, Nichols, Conn., assignor to Sikorsky Aircraft Corporation, Stratford, Conn., a corporation of Delaware
Application August 19, 1933, Serial No. 49,066
Term of patent 3½ years



The ornamental design for an airplane, as shown.

95,620
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor to Blue Plate Foods, Inc., New Orleans, La.
Application March 6, 1935, Serial No. 55,757
Term of patent 14 years



The ornamental design for a jar, as shown.

95,621
DESIGN FOR A KETTLE
Emil R. Zettler, Deerfield, Ill., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application February 12, 1935, Serial No. 55,367
Term of patent 7 years



The ornamental design for a kettle, substantially as shown.

CARNEGIE LIBRARY OF ATLANTA

Patents Nos. 2,001,696 to 2,002,484

THE
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May 21, 1935

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Labels	33—No.	45,583 to No.	45,615, inclusive.
Prints	3—No.	15,180 to No.	15,182, inclusive.
Reissues	15—No.	19,572 to No.	19,586, inclusive.
Patents	780—No.	2,001,696 to No.	2,002,484, inclusive.
Designs	101—No.	96,622 to No.	96,722, inclusive.
Total	1,256		

Notices of Cancellation

U. S. Patent Office, *Washington, Apr. 18, 1935.*

Louis M. Furman, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Company, 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Louis M. Furman, 110 Bleeker Street, Brooklyn, N. Y., No. 156,799, dated July 11, 1922, and the notice of such proceeding sent by registered mail to the said Louis M. Furman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Louis M. Furman, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. Patent Office, *Washington, Apr. 20, 1935.*

Morris Pober, his assigns or legal representatives take notice:

An application for cancellation having been filed in in this Office by Henry J. Edwards, 61 Hanover Street, Boston, Massachusetts, to effect the cancellation of trade-mark registration of Morris Pober, 16 West 18th Street, New York, N. Y., No. 317,523, dated September 25, 1934, and the notice of such proceeding sent by registered mail to the said Morris Pober at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Morris Pober, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. Patent Office, *Washington, May 8, 1935.*

W. Margulis, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clover Leaf Products Co., 1848 East Vernon Avenue, Los Angeles, Calif., to effect the cancellation of trade-mark registration of W. Margulis, 671 Elo Street, Los Angeles, Calif., No. 317,803, dated October 2, 1934, and the notice of such proceeding sent by registered mail to the said W. Margulis at the said address having been returned by the post office undeliverable, notice is hereby given that unless said W. Margulis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

R. SPENCER.
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,818,390, C. W. Gordon, Boiler, decided April 12, 1935, claims 1, 4, 5, and 6.

Pat. 1,872,842, P. Storch and E. Rossberg, Call recording and charging system, decided May 1, 1935, claims 1 and 10.

Pat. 1,923,724, R. G. Griffith, Telegraph system, decided March 26, 1935, claim 1.

Pat. 1,960,837, M. J. Binkley, Rotary fuel burner, decided April 23, 1935, claim 10.
claim 1.

Pat. 1,963,178, A. F. Spiebler and C. R. Wagner, Process for treating hydrocarbon oils, decided May 1, 1935,

Adjudicated Patents

(C. C. A. Wis.) Goldberg patent, No. 1,732,808, for hairpin, claims 1 and 2. *Held* invalid because of anticipation. *Chain Store Products Corporation* v. *Scolding Locks Corporation*, 75 F.(2d) 818.

Condition of Applications Under Examination at Close of Business May 4, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 34,310; Trade-Mark Division, 1,366. Oldest new case, January 5, 1935; oldest amended, January 4, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 20	Mar. 21	314
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 23	Feb. 26	432
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 4	Feb. 4	552
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 30	Feb. 15	429
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Feb. 11	Feb. 18	455
4896 C	6. LEWERS, A. M., Carbon Chemistry	Jan. 11	Jan. 18	919
5725	7. HARBOE, C. O., Optics; Photography	Feb. 4	Feb. 4	789
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 4	Feb. 11	506
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 4	Mar. 6	330
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Feb. 21	Feb. 28	346
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 7	Jan. 9	509
7701	12. HENRY, C. C., Machine Elements Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Jan. 12	Jan. 19	431
5096	13. HORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 26	Feb. 26	303
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 4	Feb. 4	455
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 19	Feb. 19	725
5612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 21	Jan. 21	509
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 7	Feb. 4	652
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 11	Feb. 8	376
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 4	Feb. 4	552
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 20	Mar. 1	265
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 5	Feb. 6	709
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Jan. 25	Jan. 25	639
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 5	Jan. 4	515
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 4	Feb. 8	590
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 4	Feb. 4	627
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 9	Mar. 8	264
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 4	Feb. 4	473
4628	28. BENSON, A. R., Internal-Combustion Engines	Feb. 5	Feb. 8	343
5082	29. OHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 4	Feb. 4	543
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 7	Jan. 8	510
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 4	Feb. 4	823
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 23	Feb. 25	315
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Jan. 16	Jan. 24	593
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 22	Jan. 15	589
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filing and Closing Portable Receptacles.	Feb. 6	Feb. 6	617
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Feb. 5	Feb. 6	428
5896 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 10	Jan. 8	600
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Plastic Compositions.	Feb. 6	Feb. 6	390
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 1	Mar. 2	308
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 17	Jan. 17	849
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 4	Feb. 4	534
5882	42. CUTTING, H. O., Electric Signaling	Feb. 15	Feb. 7	454
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 19	Jan. 19	548
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 5	Jan. 5	772
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Feb. 18	Feb. 18	341
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Jan. 14	Jan. 16	551
7600	47. BARKER, H., Clutches; Brakes	Feb. 25	Feb. 20	557
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 30	Jan. 31	506
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 13	Feb. 14	483
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 23	Jan. 23	930
5628	51. BACKUS, C. D., Radiant Energy	Feb. 13	Feb. 13	635
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Feb. 7	Feb. 11	555
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 27	Feb. 27	377
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 13	Feb. 13	578
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 6	Mar. 4	391
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Jan. 9	Jan. 7	690
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 5	Mar. 6	226
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 20	Mar. 13	293
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Feb. 9	Feb. 9	484
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 9	Feb. 9	345
6724	61. PARKS, G. F., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Jan. 17	Jan. 23	346
3576	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 14	Feb. 14	509
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; agitating	Jan. 22	Jan. 15	578
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 4	Feb. 4	820
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Feb. 21	Feb. 21	383
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks: Apr. 4	Apr. 18	1,244
		Labels and Prints: May 1	May 2	122
2805	Designs, H. H. KALUPY (Act.)	Apr. 1	Apr. 18	770

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WILSON

No. 3,572. Decided January 7, 1935

PATENTABILITY—PROCESS FOR PRODUCING ALUMINUM SULPHATE.

Claims for a process for producing aluminum sulphate *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Joseph R. Mares for Wilson.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellant filed an application in the United States Patent Office for a patent on an alleged improved process of producing alum and silicious material from clay. Thirty-two claims were included in the application, all of which were rejected by the Examiner and Board of Appeals. The Examiner rejected the same on reference to the following patents: Pochin (British), 562 of 1856; Llewellyn (British), 112,881, January 31, 1918; Llewellyn (British), 119,924, October 24, 1918.

To these references, the Board added the following: Booze, 1,594,402, August 3, 1926; Ikeda et al., 1,630,660, May 31, 1927.

The appellant's process, as detailed in his specification, is practiced as follows: Wet clay is extruded from a press, through dies, to produce short cylinders, each approximately 3/32 of an inch in diameter and from 1/4 to 5/8 of an inch long. These forms of clay are dried and calcined, the calcining being done from 20 minutes to an hour, at a temperature from 650 degrees to 850 degrees, centigrade. In connection with this, the appellant stated in his specification: "It will be understood that the invention is not limited to any particular size and shape of clay bodies." Further, the appellant said:

• • • Hence in the appended claims by "bodies" is meant shapes or sizes no matter how formed from a mass of relatively smaller clay particles rendered plastic by the presence of water and whether uniform or not in respect to volume and geometric proportions.

These calcined cylinders are placed in an apparatus consisting of six tanks, each lined with a substance inert to sulphuric acid. Here, by means of a revolving tank of said acid, and a revolving tank of water, and certain connecting pipes, these cylinders are treated with sulphuric acid, by which means aluminum sulphate, or alum, is produced in the form of a clear liquor, without disintegration of the cylinders. The cylinder forms remaining constitute porous masses of chemically active silica, and may be used as a "surrogate," or substitute, for fuller's earth.

In practicing the process, the tanks and pipes are so arranged that the partially exhausted clay bodies are successively treated with fresh acid, and the fresh clay bodies are treated with the weak and partly exhausted acid.

The Board of Appeals was of opinion that claims 1, 23, and 24 were representative of all the claims. They seem to be so, and are here quoted. In addition, claims 5 and 8 are commented upon by appellant in his brief, and these are also quoted:

1. The process of producing aluminum sulphate from clay which comprises leaching calcined clay bodies with sulphuric acid to dissolve alumina while maintaining said bodies substantially undecrepitated whereby the aluminum sulphate liquor is substantially free from solid particles from said bodies.

5. The process of producing aluminum sulphate from clay which comprises dissolving alumina from calcined clay bodies with sulphuric acid not over from about 30 to 35% concentration.

8. The process of producing aluminum sulphate from clay which comprises calcining clay bodies at a temperature from 650 to 850 degrees C, leaching said bodies with sulphuric acid to dissolve alumina therefrom, and regulating the concentration of said acid to dissolve the alumina without substantial decrepitation of said bodies.

23. The process of producing aluminum sulphate from clay comprising forming the clay into bodies of material size, calcining the bodies to produce sulphuric acid soluble alumina therein with incipient fusion, and dissolving alumina from said bodies by treating them with dilute sulphuric acid, such treatment comprising utilization of a plurality of tanks or the like respectively containing the calcined clay bodies in batches of various degrees of exhaustion, passing water through said plurality of tanks in succession, the last tank of said series in respect to the flow of liquor containing fresh clay and the first tank and immediately succeeding tank containing the most exhausted clay; adding the acid to a plurality of tanks intermediate the two first tanks and the last tank of the series; and from time to time dumping the washed clay from the first tank of the series and refilling it with fresh clay, and then passing the water through said tanks to cause said refilled tank to be the last tank of the series in respect to the flow of liquor.

24. That process of producing porous material which comprises calcining clay bodies to incipient fusion and leaching out the alumina.

The gist of the appellant's alleged inventive process, as contended by him, is that he forms clay bodies of pulverulent clay, from which he can extract ammonium sulphate liquor; that the liquor is clear and uncharged with suspended material, and that the remainder can be utilized as a substitute for fuller's earth. Evidently there is no particular significance to the fact that the clay bodies are cylinder-shaped, nor is there any contention that this shape is critical, or aids in the process. Again, while claims 5 and 8, quoted, give certain percentages of acid, and certain degrees of heat used in the process, the specification does not denote, in any way, that these percentages are critical.

The Board of Appeals was of opinion that the references, especially the patents of Llewellyn, fully anticipated appellant's disclosure. Llewellyn, 112,881, discloses a process of preparing crude sulphate of ammonia solutions, in which crushed bauxite is calcined, placed in a suitable vessel, and treated with sulphuric acid. A system of vessels is arranged by which the most exhausted bauxite is treated with fresh acid, and the unexhausted material treated with the more exhausted acid, in the same manner as appellant's process is practiced. The portions of bauxite treated, are designated as "small pieces or lumps." A similar disclosure is made by Llewellyn in No. 119,924. Here, also, no change is made in the form of the pieces or particles used during the process.

It will be observed that the only apparent difference between the disclosure of these patents and the present application is that Llewellyn crushes his

raw material into pieces before burning, while the appellant builds his pieces up from pulverulent clay. The residue, after processing, is the same, except as to form, and is obviously adaptable for the same uses.

The patent to Pochin fully discloses the availability of this residuum, in these words appearing in his specification:

> • • • The mineral, prepared by the above method, can be employed with advantage in the manufacture of aluminous cake, pure sulphate of alumina, the alums of commerce, and other aluminous compounds, *whilst the silica afforded can be used for those purposes for which pure silica is required.* [Italics ours.]

We are advised by the record that the manner of making the clay body used by the appellant in his process is fully claimed in a copending application of the appellant in the Patent Office, No. 430,456, and no expression is desired to be made here as to the patentability of said process. So far as the formation of said clay bodies concerns the claims here involved, we are of opinion that the formation of such or similar bodies is fully shown by the additional references cited by the Board of Appeals, Booze and Ikeda et al.

As to claim 5, which specifies the degree of concentration of acid, the patents of Llewellyn both show that the concentration should be such as to prevent breaking down the clay bodies, and it does not appear that the particular degrees of concentration specified by the appellant are critical, or make any additional disclosure over Llewellyn's patents. The same is true as to claim 8, which specifies the range of temperatures used by the appellant.

The appellant argues that the patents to Ikeda et al. and Booze relate to non-analogous arts, and ought not to be used as references here. Without conceding the correctness of this position, it seems that even if such patents were not anticipatory, there appears to be no reason why the clay bodies of the appellant will operate any differently in the process than will the clay particles used by Llewellyn in his patents. If the shape or size of the appellant's clay bodies is important or critical, the same is not shown by his application, or claimed in the argument of counsel.

We, therefore, are of opinion that the decision of the Board of Appeals is without error, and it is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

WALGREEN CO. *v.* GODEFROY MANUFACTURING CO.

No. 3,357. Decided December 24, 1934

1. TRADE-MARKS—DESCRIPTIVENESS—FOREIGN WORDS.
   "It is true that the English meaning of appellee's trade-mark might be unknown to many. Nevertheless, it is well settled that foreign words and phrases, merely descriptive of the character or quality of the goods on which they are used, are not registrable under the Trade-Mark Act of February 20, 1905."
2. SAME—SAME—"PEAUDOUCE" FOR SKIN CREAMS.
   The term "Peaudouce" which means "soft skin" *Held* descriptive as applied to a "skin cream" and therefore not registrable and that the registration which had been obtained therefor should be cancelled.

APPEAL from the Patent Office. Reversed.

Mr. Harry C. Alberts for Walgreen Co.

Messrs. Carr & Carr & Gravely and *Mr. Joseph H. Gravely* for Godefroy Manufacturing Co.

HATFIELD, *J.*:

This is an appeal in a trade-mark cancellation proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences sustaining the application of appellant for the cancellation of appellee's trade-mark registration No. 250,012, of the word "Peaudouce," issued November 27, 1928, for use on "Skin Cream".

It is claimed by appellant in its application for cancellation that appellee's trade-mark "Peaudouce" consists in the combination of the French words "peau" and "douce"—the word "peau" meaning skin, and the word "douce" meaning soft; that, therefore, appellee's registered trade-mark is merely descriptive of the character and quality of appellee's skin cream; that, at the time of the filing of its application for cancellation, and prior thereto, appellant was using the trade-mark "Peau-Doux" on talc, face powder, shaving cream, and "after shaving lotion for skin application and treatment"; that its trade-mark "Peau-Doux," although of masculine gender, also means "soft skin," and is descriptive of the "usefulness and potency of appellant's goods"; that appellee was not, on the date of its application for registration—June 30, 1928, entitled to the exclusive use of its trade-mark "Peaudouce"; that appellant is entitled to use the term "Peau-Doux" to describe the character and quality of its goods; and that appellant deems itself injured by appellee's trade-mark registration.

In its answer, appellee admits that the French word "peau" means skin, but denies that the French word "douce" means soft and that its trade-mark "Peaudouce" is merely descriptive of appellee's goods. It alleges that its registration is valid, and that it is the owner and is entitled to the exclusive use of its trade-mark for skin creams, and goods possessing the same descriptive properties.

The parties entered into a stipulation, whereby it was agreed that the evidence in Opposition No. 9373, *Walgreen Co.* v. *Godefroy Mfg. Co.*, 19 C. C. P. A. (Patents) 1150, 58 F.(2d) 457, involving the same trade-marks, should be considered as a part of the record in the case at bar.

In that proceeding, the opposer, the Godefroy Manufacturing Company, alone took testimony.

It there appeared that appellant, Walgreen Co., sought to register a composite trade-mark consisting of the head and shoulders of a man in profile, together with the French words "Peau-Doux," and the notation "(Po-Do)" to indicate the correct pronunciation of "Peau-Doux," for use on shaving cream, under the Trade-Mark Act of February 20, 1905. In its notice of opposition, the Godefroy Manufacturing Company relied upon its registration No. 250,012, involved in the case at bar.

It was there claimed by appellant, Walgreen Company, that the Godefroy Manufacturing Company's trade-mark "Peaudouce" was descriptive; that it was not the subject of exclusive ownership; and that, therefore, the notice of opposition should be dismissed.

This court there held, however, as in many previous decisions on the subject, that the validity of an opposer's registered mark would not be considered in an opposition proceeding, and, in affirming the decision of the Commissioner of Patents holding that the Walgreen Company was not entitled to register its trade-mark, stated that the Godefroy Manufacturing Company had used its trade-mark "Peaudouce" on skin cream long prior to any use by the Walgreen Company of its trade-mark; that the goods of the parties possessed the same descriptive properties; and that the marks were confusingly similar.

In the case at bar, the Godefroy Manufacturing Company, appellee, is relying upon the evidence submitted by it in the opposition proceeding.

Appellant, Walgreen Company, has introduced some evidence, but, due to the views we hold, we deem it unnecessary to state the purport of it.

The Examiner of Interferences held that appellee's registered mark "Peaudouce" meant "soft skin," and was descriptive of the character and quality of appellee's skin cream, and, accordingly, sustained the application for cancellation.

On appeal, the Commissioner of Patents held that the French word "douce" translated into English not only meant "soft," but also "sweet, fragrant, odoriferous, • • • mild, agreeable, calm, tranquil, smooth, easy, gentle, affable, complaisant, tractable, pliant according to the subject in connection with which the word is used"; that, although the mark "Peaudouce" could be interpreted to mean soft skin, it also meant smooth or pliant skin; and that, due to the possible variations in the meaning of the French word "douce," especially in view of the long continued use by appellee of its trade-mark, doubt of the descriptiveness of the mark should be resolved in favor of appellee, and, accordingly, held that appellee's registration should not be cancelled, and that appellant's application for cancellation should be dismissed.

It is not contended here by counsel for appellant that appellee had abandoned its trade-mark, or was not using it at the time of the filing of appellant's application for cancellation. Furthermore, the holding by this court in the opposition proceeding is *res adjudicata* as to the question of priority of use. Accordingly, the sole issue presented to this court in the case at bar is whether appellee's registered trade-mark "Peaudouce" comes within the statutory inhibition of the registration of marks merely descriptive of the character or quality of the goods on which used.

It is contended by counsel for appellant that appellee's mark was formed by combining the two French words "peau," meaning skin, and "douce," meaning soft; and that it is used to describe the quality and character of appellee's skin cream.

It is contended by counsel for appellee, on the contrary, that appellee's registration is valid; that its mark is not merely descriptive; that "the only real question in the case concerns appellant's contention that appellee's mark is descriptive"; that there is a clear legal distinction "between marks which describe the goods themselves and marks which are indicative of results following the use of the goods." In explanation of that contention, counsel cited the cases of *Winchester Repeating Arms Company* v. *Peters Cartridge Co.*, 30 App. D. C. 505, where it was held that the term "self-loading" was descriptive as applied to cartridges, and *Montgomery Ward & Co. (Inc.)* v. *Sears, Roebuck Co.*, 18 C. C. P. A. (Patents) 1386, 49 F.(2d) 842, wherein, so counsel for appellee contend, this court held that the trade-mark "Sta-clean [Sta-Klean]" was a valid trade-mark for ammunition.

We may say at the outset that the question of whether the marks there involved were descriptive was not raised in the *Montgomery Ward & Co. (Inc.)* v. *Sears, Roebuck Co.*, case, supra. The sole issue there before the court involved the question of the priority of use.

In the case of *Florence Mfg. Co.* v. *J. C. Dowd & Co.*, 178 Fed. Rep. 73, the Circuit Court of Appeals, Second Circuit, in a case involving unfair competition, held that the trade-marks "Keepclean" and "Sta-Kleen," as applied to tooth-brushes, were merely descriptive, and, therefore, not valid technical trade-marks.

It is conceded by counsel for appellee that the French word "peau" means skin. It is claimed, however, that the French word "douce" primarily means "sweet, pleasant, or agreeable to the senses," and that "soft" is a secondary or forced meaning. Counsel cites no authority in support of that contention, which, as a matter of fact, is directly contrary to the testimony of the witness Charles Webb Godefroy, president and manager of the appellee company, who stated that appellee's trade-mark "Peaudouce" means "soft skin"—the word "peau" meaning skin, and the word "douce" meaning soft; and that appellee's skin cream was used especially as a "skin softener and healer."

Although appellee has used its trade-mark for many years, there is nothing of record to establish that it has acquired a secondary meaning.

[1] It is true that the English meaning of appellee's trade-mark might be unknown to many. Nevertheless, it is well settled that foreign words and phrases, merely descriptive of the character or quality of the goods on which they are used, are not registerable under the Trade-Mark Act of February 20, 1905. *In re Bradford Dyeing Association*, 46 App. D. C. 512.

[2] In view of the facts of record, we are of opinion that the trade-mark "Peaudouce" is merely descriptive of the intended purpose and function of the goods on which it is used, and is, therefore, merely descriptive of the "qualities, ingredients, or characteristics" of such goods; that, when so used, it is not subject to exclusive trade-mark appropriation; and that appellee's registration No. 250,012 is invalid and should be cancelled. *Beckwith, Inc.*,

v. *Commissioner of Patents*, 252 U. S. 538; *Rumford Chemical Works* v. *Muth et al.*, 35 Fed. 524; *Winchester Repeating Arms Company* v. *Peters Cartridge Co.*, supra; *Ball* v. *Siegel*, 116 Ill. 137, 4 N. E. 667; *Sears Roebuck & Co.* v. *Elliott Varnish Co.*, 232 Fed. 388; *NO-D-KA Dentifrice Co.* v. *S. S. Kresge Co.*, 24 F.(2d) 726; *In re Berger*, 56 App. D. C. 250, 12 F.(2d) 191.

For the reasons herein stated, the decision of the Commissioner of Patents is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

QUAKER OIL COMPANY, INC., *v.* QUAKER STATE OIL REFINING COMPANY

Nos. 3,367, 3,368, and 3,369. Decided January 7, 1935

1. OPPOSITION—EVIDENCE—PRIOR ADOPTION AND USE.

Record reviewed and *Held* insufficient to establish that appellant had used a trade-mark, the predominant feature of which is the word "Quaker", on lubricating oils prior to the adoption by appellee's predecessor of the trade-mark "Quaker State" for the same goods.

2. SAME—SAME—REOPENING.

Where the Commissioner of Patents, on motion of appellant, reopened the proceedings, *Held* that the record shows that the case was reopened solely to permit appellant to introduce the evidence specified in its motion and in the affidavits accompanying it, and that all testimony thereafter introduced by the appellant, except the exhibits attached to the affidavits filed in support of the motion and the testimony relating thereto, was properly stricken from the record.

APPEAL from the Patent Office. Affirmed.

Messrs. Chindahl, Parker & Carlson, *Mr. George E. Tew* and *Mr. Lincoln B. Smith* for Quaker Oil Company, Inc.

Messrs. Mason, Fenwick & Lawrence, *Messrs. Frampton & Courtney* and *Mr. Edward C. Fenwick* and *Mr. J. V. Frampton* for Quaker State Oil Refining Company.

HATFIELD, *J.*:

These are appeals in trade-mark opposition and cancellation proceedings from the decisions of the Commissioner of Patents affirming the decisions of the Examiner of Interferences sustaining appellee's notices of opposition, Nos. 9,222 and 9,223, Appeals Nos. 3,367 and 3,368, and also appellee's application for cancellation, No. 1,955, Appeal No. 3,369, of appellant's Registration No. 248,607.

In the opposition proceedings it was held that appellant was not entitled to the registration of the trade-mark "Qunker" "A" for use on lubricating oils and greases, nor to the registration of a composite trade-mark, the dominant feature of which is the word "Quaker," for use on lubricating oils, gasoline, and kerosene, applications for which were filed July 3, 1928, and June 27, 1928, respectively.

In the cancellation proceeding it was held that appellant was not the owner of the trade-mark "Quaker Premium" for use on motor lubricating oils and similar products, and that its Registration No. 248,607, issued October 23, 1928, on an application filed June 13, 1928, should be cancelled.

It appears from the record that the three causes were submitted to the Patent Office tribunals on a single record, and that the issues raised in the several proceedings were disposed of by those tribunals by decisions in opposition proceeding No. 9,222, Appeal No. 3,367.

A stipulation, subject to, and which has met with, our approval, was entered into by counsel for the parties. It was agreed therein that our decision in Opposition No. 9,222, Appeal No. 3,367,

shall govern the disposition of the appeals in the companion cases, Opposition No. 9,223 [Appeal No. 3,368] and Cancellation No. 1,955 [Appeal No. 3,369], all three of such cases having been tried and disposed of on the same record in the Patent Office.

Appellant in its application for registration in Opposition No. 9,222, Appeal No. 3,367, stated that it had used its trade-mark "Quaker" "A" on motor lubricating oil since January, 1916.

Dates of adoption and use subsequent to January 1916, were alleged in appellant's applications in the other involved cases.

Appellee's trade-marks "Quaker State Medium," with the monogram "QSM," and "Quaker State" are used on lubricating oils and greases.

It appears from the record that appellee's trade-marks have been in continuous use by appellee and its predecessor since July 31, 1914; that they were registered in the United States Patent Office as follows: "Quaker State Medium," with the monogram "QSM," September 14, 1915, Registration No. 106,015; "Quaker State" August 16, 1921, Registration No. 145,778; that appellee's lubricating oils and greases are generally referred to by the term "Quaker"; that appellee has utilized practically every available means in advertising its trade-marks and its lubricating motor oils throughout the United States and Canada, including such advertising agencies as the Saturday Evening Post, Literary Digest, Collier's, American, and Country Gentleman, Power Farming Dealer, the radio, newspapers, road and sidewalk signs, electrical billboard displays, circular letters, etc.; that it has expended more than $2,000,000 in such advertising; and that it has sold its lubricating motor oils under its trade-marks throughout the United States and Canada.

Subsequent to the introduction of evidence by appellee establishing the facts hereinbefore set forth, appellant, a corporation of Plainfield, Indiana, introduced evidence to the effect that one G. F. Calbert, about the year 1902 or 1903, was engaged in the business of selling roof paint under the name of the Quaker Roof Paint Company; that in 1906 the company extended its business to include house paint, and the name was changed to Quaker Roof and House Paint Company; that about the year 1911 the business was extended to include lubricating oils, and the name of the company was changed to the Quaker Oil Company; and that in 1917 the company was incorporated under the name Quaker Oil Company, Inc.

Although at the time the cause was originally submitted to the Examiner of Interferences appellant introduced some oral testimony for the purpose of establishing that it and its predecessors had used trade-marks with the word "Quaker" appearing as the dominant feature of each on lubricating oils during the latter part of the year 1911 or the early part of 1912, and continuously thereafter, no documentary evidence was submitted tending to establish such use prior to the year 1916.

The witness Frank M. Calbert, secretary and treasurer of the appellant company, whose testimony was given in 1930, testified that he kept all of the records for appellant's predecessor during the latter part of the year 1911 and for several years thereafter, and did all the "invoicing of bills" for lubricating motor oil "until the past few years." He further stated that his company sold inferior grades of lubricating oils on which its trade-marks were not used.

The Examiner of Interferences, in his original decision, March 26, 1931, held that appellant was not entitled to register its trade-mark "Quaker," "A" and with reference to the testimony of the witness Frank M. Calbert, among other things, said:

This witness was then asked on further cross-examination to point out which of the records in evidence show the word Quaker in connection with oil. This he was unable to do; and finally admitted that neither the records nor the invoices, exhibit 4, show the word Quaker in connection with oil * * *. This testimony is significant because, as pointed out, the name Quaker does appear on these invoices and other records in connection with applicant's other products, such as paint and roofing materials, which are goods not here in controversy.

There is a further circumstance in this case which cannot be overlooked, *namely, that this same witness, F. M. Calbert, executed the present application on behalf of the respondent for the mark here in issue. As previously noted, in this application the first date of use alleged is January 1916. Not a word of explanation appears in the record as to the reason why that date and not the one now claimed was alleged in the application.*

As hereinbefore pointed out, the duty of going forward with evidence that is clear and convincing to establish a date of use prior to that alleged in the application, namely, January, 1916, is upon the respondent. The testimony relied upon by the respondent to establish an earlier date is wholly oral and its probative force must be measured by the surrounding circumstances as well as its innate character as analyzed above. [Italics ours.]

Thereafter, on April 11, 1931, appellant filed a written request for an extension of time, from April 15 to April 25, 1931, in which it might appeal to the Commissioner of Patents, because, it was stated, it was "considering bringing a motion to reopen" the case. On April 14, 1931, the request was granted. On April 17, 1931, appellant filed a motion requesting that the case be reopened to permit it to introduce "newly discovered evidence."

We quote from the motion:

Now comes Quaker Oil Company, Incorporated, by its counsel, and moves to reopen the above-entitled cases in order that newly discovered evidence may be taken of trade-mark use of the word Quaker on oil prior to 1914 *namely order slips, bills of sale, and a shipping memorandum, as set forth in the accompanying affidavit of Frank M. Calbert, which evidence has been discovered since the depositions have been closed.*

The admission of *this* newly discovered evidence is necessary to a proper and just determination of these causes. [Italics ours.]

Accompanying the motion were two affidavits; one by Thomas L. Mead, Jr., and one by Frank M. Calbert, which, due to their importance, we set forth:

* * * that * * * Thomas L. Mead, Jr. * * * on April 15, 1930 in Plainfield, Indiana, examined the witness produced by the Quaker Oil Company, Incorporated, in the above-entitled causes. That on April 14 he searched diligently among the sales slips of the Quaker Oil Company, the predecessor of Quaker Oil Company, Incorporated, for the years 1912, 1913, and 1914, which sales slips were tied in bundles and stored in pasteboard boxes in the shipping room of said Quaker Oil Company, Incorporated. That said bundles were supposed to contain all the sales slips for the years stated. That several hours were so spent in searching with the result shown by the sales-slip exhibits introduced in evidence. *That the sales slip attached to the accompanying affidavit of Frank M. Calbert were not found.* [Italics ours.]

AFFIDAVIT OF FRANK M. CALBERT

Frank M. Calbert, being duly sworn upon his oath says that he is the Secretary-Treasurer of the Quaker Oil Company, Incorporated, with its principal office located at Plainfield, Indiana, which company is involved in the above numbered causes pending before the United States Patent Office in Washington, D. C.

Affiant further says that since the final hearing of February 11, 1931, and within the last 10 days he has discovered further evidence, and that he has discovered new evidence sustaining the contention of the Quaker Oil Company, Incorporated, as to its application for trade marks and in support of the contention of the Quaker Oil Company, Incorporated, that the application for cancellation by the Quaker State Oil Refining Company should be denied.

Affiant further says that during the course of business of the Quaker Oil Company, and prior to its incorporation, kept its files and papers but that some of them were deposited in the attic of an old barn and others were left in a safe in a storage room, other than said barn. That at the time affiant made the first search for evidence and the files of the Quaker Oil Company said old safe was covered up with asbestos fibre and it was this affiant's belief that all of the files had been removed long since from said old safe. That since February 11, 1931, some of the asbestos fibre was used in and about said safe and said *safe was uncovered and opened and it was found that there was deposited in said safe some of the files of the Quaker Oil Company of Plainfield, Indiana. Upon examination of said files there was discovered that there were certain invoices showing sales of the Quaker Oil Company in 1913 in which the trade mark "Quaker A" and the trade mark "Quaker BB" were both used in the invoices and affiant says that those invoices are true and genuine and state the truth.* That the same have not in any wise been changed or tampered with, but that the words "Quaker A" and "Quaker BB" were on said invoices at the time as shown by the date of said invoices.

Affiant further says that in compiling and securing the evidence during the trial of this cause and before the final hearing that he used due diligence to discover all of the files and that he spent many days in going through old papers, but that the papers in the old safe, above referred to, were overlooked by reason of the fact that this affiant and his associates were quite positive, at the time, that all of said files had been removed from said old safe.

Affiant further says that the invoices and other exhibits attached to this affidavit are all genuine and true and are attached hereto for the sole purpose of aiding and assisting the Patent Office and its officials to arrive at the truth concerning the matters involved in the above causes. Affiant further says that the use of the year 1916 in the application filed by the Quaker Oil Company, Incorporated, was inserted by inadvertence and mistake and is not the truth and *that these exhibits disclose the real truth of the date as being prior to 1914 when said Quaker Oil Company, Incorporated, and its predecessor, used trade marks of "Quaker A" "Quaker BB".*

Affiant further says that *there is also attached hereto an order dated June 26, 1913, from Chester R. Downey and a bill of lading on which said order was shipped and that said order and said bill of lading are genuine and that they are competent evidence in this issue and were only discovered by this affiant within the last 10 days. That said exhibits were found in the safe above referred to.*

Wherefore, this affiant, in behalf of the Quaker Oil Company, Incorporated, prays the United States Patent Office *to stay further proceedings in the above causes pending and affecting the Quaker Oil Company, Incorporated, until these exhibits may be made a part of the evidence in said causes* and that said Quaker Oil Company, Incorporated, at Plainfield, Indiana, be granted all proper relief upon a showing made by this affidavit and the exhibits attached hereto. [Italics ours.]

Attached to the affidavit of Frank M. Calbert were exhibits 2, 14, 15, 27 to 31, inclusive, and 33 to 38, inclusive.

In a decision dated May 27, 1931, appellant's motion to reopen was denied by the Examiner of Interferences.

On June 11, 1931, an appeal was taken by appellant to the Commissioner of Patents, wherein it was stated that the Examiner of Interferences erred—

In refusing to reopen these cases to admit newly discovered documentary evidence corroborative of the oral testimony of respondent's witnesses, and the absence of which documentary evidence forms the basis for the adverse decision appealed from.

In his decision, October 5, 1931, the Commissioner of Patents, although approving the conclusion

reached by the Examiner of Interferences on the evidence as originally submitted, reversed his decision denying the motion of appellant to reopen the case, and, with reference thereto, said:

> The magnitude of the interests involved in this proceeding; the explanation of the conditions under which *the newly discovered evidence* was finally found, as well as *the nature of that evidence*, suggest the propriety of having the complete record presented to this Office before the final adjudication of the matters in issue. [Italics ours.]

On October 13, 1931, the Examiner of Interferences reset the times for the introduction of evidence in chief by appellant, and evidence in rebuttal by appellee.

Appellant introduced in evidence the exhibits attached to the affidavit of Frank M. Calbert, filed in support of the motion to reopen the case, and, in addition thereto, other oral and documentary evidence.

With the exception of Exhibit R, which is not material here, no further evidence was introduced by appellee.

On November 25, 1932, the Examiner of Interferences sustained the motion of appellee, filed March 25, 1932, to strike from the record all of the evidence introduced by appellant subsequent to the reopening of the case, except the exhibits attached to the affidavit filed in support of the motion to reopen and the testimony relative thereto.

In that part of his decision relating to appellee's motion to strike, the Examiner of Interferences, among other things, said:

> In the decision of the Examiner, from which appeal was taken to the Commissioner, attention was called to the practice with respect to reopening as covered by Federal Equity Rule 69 and Patent Office Rule 154d, and certain decisions were cited in support thereof. *In his brief before the Commissioner, on appeal, applicant has differentiated the instant case from those decisions in the following language:*
>
> "In the case of *McLeod et al. v. City of New Albany*, it was held that a case could not be reopened *if the facts sought to be proven were not set forth. The evidence here sought to be introduced is before Your Honor*".
>
> It is clear therefore that all the evidence said to be newly discovered was then specifically identified by the record which was before the Commissioner when the latter rendered his decision to reopen the case to admit this evidence.
>
> This decision therefore is interpreted by the Examiner as authorizing the taking of the testimony only of those persons who can testify relative to these documentary exhibits, to wit: Frank M. Calbert, Wolf, Shrock, Green, and Swift. [Italics ours.]

After carefully and fully analyzing such of this additional evidence, as he held to be a proper part of the record, the Examiner of Interferences concluded that it was wholly insufficient to establish use by appellant of a trade-mark, the dominant feature of which was the word "Quaker," on, or prior to, July 31, 1914, the date of the adoption and use by appellee's predecessor of appellee's trade-marks.

On appeal, the Commissioner of Patents affirmed the decision of the Examiner of Interferences, and with reference to the granting of appellant's motion to reopen, among other things, said:

> The granting of the motion to reopen was solely for the purpose of presenting the evidence accompanying and forming the basis for the motion and such testimony of witnesses as was necessary to prove the exhibits included. Not only had the applicant failed to obtain permission to take any additional testimony but no request therefor had even been filed.

With regard to the additional evidence, held to be properly introduced by appellant, the Commissioner said, *inter alia:*

> The difficulty with it all is that even granting the exhibits are genuine they fail when taken in connection with the testimony regarding them to show trade-mark use on the goods. No witness testifies that the goods referred to in any of these exhibits *bore the trade-mark* for which applicant seeks registration. The witnesses were testifying as to what is alleged to have occurred some eighteen or more years previous. They state almost nothing about *these exhibits*. These papers do not show the trade-mark was on the goods sold. Sifting through this new evidence and what the witnesses state about the exhibits there is nothing upon which to base a holding that goods *bearing the trade-mark* in question were actually sold prior to July 31, 1914, when the opposer began using its mark.

[1] We have carefully reviewed all of the evidence considered by the Patent Office tribunals, and are in entire accord with the conclusion reached by them. That evidence, discussed in detail and carefully analyzed in the decision of the Examiner of Interferences, and somewhat more generally in the decision of the Commissioner of Patents, is, in our opinion, wholly insufficient to establish the use by appellant of a trade-mark, the dominant feature of which was the word "Quaker," on lubricating oil, or goods of the same descriptive properties, prior to the adoption and use by appellee's predecessor of the trade-mark "Quaker State"—July 31, 1914.

We come now to a consideration of the question whether the Commissioner of Patents erred in affirming the decision of the Examiner of Interferences sustaining appellee's motion to strike from the record the evidence introduced by appellant subsequent to the reopening of the case, except the exhibits attached to the affidavit accompanying the motion to reopen and the testimony relative thereto.

It is contended by counsel for appellant that the Commissioner did not impose any limitations as to the evidence which appellant might introduce, and that, therefore, the granting of appellant's motion to reopen the case for the purpose of the introduction of newly discovered evidence was equivalent to the granting of a petition for rehearing in equity cases, or to the granting of a motion for a new trial in cases at law; that appellant was entitled to take any and all available evidence for the purpose of establishing that it had used its trade-marks on lubricating oils prior to July 31, 1914; and that the Commissioner of Patents erred in affirming the decision of the Examiner of Interferences sustaining appellee's motion to strike such additional evidence from the record as was not referred to in the motion to reopen, and in his refusal to consider such evidence.

We deem it unnecessary to enter upon a discussion of the rights and responsibilities generally of a party whose petition for a rehearing, or for a new trial, as the case might be, has been granted.

[2] In the case at bar, subsequent to an adverse decision by the Examiner of Interferences, appellant merely petitioned for a reopening of the case in order that it might introduce certain specified newly discovered documentary evidence.

It is true that the language used by the Commissioner of Patents in his decision reversing the decision of the Examiner of Interferences and granting the motion to reopen the case is somewhat general, nevertheless, it definitely refers to "the newly discovered evidence" upon which the motion to reopen was based, and we think it was his evident purpose, as stated by him in the decision from which this appeal was taken, to reopen the case solely to permit appellant to introduce the evidence specified in its motion and in the affidavit accompanying it. If the Commissioner had intended reopening the case for any purpose other than that requested in appellant's motion and affidavit, we would expect to find language definitely expressive of such intent.

Appellant's motion to reopen was addressed to the sound discretion of the tribunals of the Patent Office. That discretion was exercised on behalf of appellant, and the motion was granted. Then, without any notice whatsoever to the Examiner of Interferences, appellant proceeded to take evidence in addition to that referred to in the motion to reopen. No showing was ever made that such evidence was "newly discovered," within the well settled meaning of that term. (See 21 C. J. Sec. 881; 46 C. J. Secs. 536, 547.) So, it appears, appellant not only had *full opportunity* to introduce all the evidence it desired on the original trial, but it was also afforded *full opportunity* to present all the evidence requested in its motion to reopen. We think it is evident, therefore, that, having a proper regard for an orderly course of procedure and the observance and enforcement of settled rules pertaining thereto, the discretionary authority of the tribunals of the Patent Office, in respect to matters of this character was properly exercised in the case at bar, and that those tribunals were fully justified in sustaining appellee's motion to strike from the record all evidence, except the exhibits attached to the affidavit filed in support of the motion to reopen and the testimony relating thereto, introduced by appellant subsequent to the reopening of the case, and in refusing to consider such evidence. (See 64 C. J. Sec. 185.)

For the reasons stated, the decision of the Commissioner of Patents, in each of the involved appeals, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WILLIEN AND STEIN

No. 3,856. Decided January 28, 1935

[71 F.(2d) 550]

PATENTABILITY—PROCESS OF MAKING CARBURETED WATER GAS.

A claim for a process of making carbureted water gas *Held* patentable over the prior art.

Appeal from the Patent Office. Modified.

Mr. Augustus B. Stoughton and *Mr. E. S. W. Farnum, Jr.* for Willien and Stein.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 9 and 10, in appellants' application for a patent for an alleged invention relating to a process for manufacturing carbureted water gas of low specific gravity.

At the time of the oral arguments in this court, appellants moved to dismiss the appeal as to claim 10.

Claim 9 reads:

> 9. The process of making carbureted water gas of low specific gravity which, when practiced in a set including a single generator, a single carbureter, a single superheater, in individual detached shells, and a wash box, connected in series, comprises internally preheating the carbureter and superheater solely by air blast gas from the generator, making carbureted water gas by forward steaming and carbureting, *introducing hydrocarbon oil into the back run steam, and generating gas comprising carbureted water gas and hydrogen and of lower specific gravity than the forward run carbureted water gas and of lower specific gravity than would be the case in the absence of the introduction of the hydrocarbon oil by passing the mixture of steam and oil down through the fuel bed partially decomposing the hydrocarbon oil to hydrogen and to oil gas which latter carburets the water gas simultaneously generated in the fuel bed.* [Italics ours.]

The references are: Young, 1,519,523, December 16, 1924; Young, 1,751,849, March 25, 1930; Whitwell, 1,752,223, March 25, 1930.

Appellants' application, Serial No. 297,243, filed August 3, 1928, is a continuation of their application, Serial No. 187,876, filed April 30, 1927.

In their specification, appellants state—

> Our invention involves an improvement in the process of making carbureted water gas in a three-shell set including a generator, carburetor and superheater, which comprises a blasting cycle to heat the fuel bed to incandescence and store heat in the carburetor and superheater, one combustible gas-making cycle wherein steam is passed through the fuel bed of the generator and the resultant gas passed into and through the carburetor where it is enriched with oil, the enriched gas being passed into and through the superheater and wash box and the usual purifying and gas treating devices into a holder, and a second combustible gas generating cycle commonly known as the back-run cycle, consisting in introducing steam at any convenient point into the set, preferably into the superheater, and then passing the steam through the set into the generator and through the fuel bed therein, the resultant gas being passed into the wash box and thence into and through the purifying and gas treating devices and usually admixed with the combustible gas made in a previous cycle. According to such processes, carburetted water gas of a B. t. u. value equal to the mean B. t. u. value of the gas obtained from both combustible gas generating cycles of operation is produced and a substantially constant volume of gas is generated by the gas-making set.
>
> According to the present invention, oil is added to the steam passing through the superheater and carburetor prior to passage thereof through the fuel bed in the generator, the resultant mixture being passed through the fuel bed and the resultant gas passed directly from the generator to the wash box. Preferably, the oil is introduced into the superheater simultaneously with the introduction of steam thereinto. By the practice of our process carburetted water gas of a greater B. t. u. value, low gravity gas and a greater yield of gas is obtained.
>
> In the operation of water gas sets there are frequent temporary demands for increased gas and heretofore, to accommodate such demands, it has been necessary to provide a spare installation for the generation of the increased gas to meet such temporary demands or peak loads. According to our invention, carburetted water gas sets are operated as is customary to meet the normal demands but when it is necessary to generate more gas to accommodate increased or peak demands an enriching constituent such as oil, as hereinbefore pointed out, is added to the gas-making steam of the back run cycle, preferably introduced into the superheater and the mixture of steam and oil is passed into and through the fuel bed in the generator down through the fuel bed so that more gas and/or gas of higher B. t. u. value is produced. It will be noted that according to our invention it is possible to meet the incidental and irregular or temporary demands for increased gas without having a spare installation, or without having a gas set with a greater capacity than that required for normal operation.

In his decision, the Primary Examiner stated that the appealed claim was fully met by the patents to Young, No. 1,751,849, and Whitwell. With reference to the latter patent, the Examiner said:

> Whitwell 1,752,223 discloses the first two steps of applicants' process, these being conventional as stated supra,

and further acknowledged to be old by applicants on page 5 of the specification as amended. In addition, Whitwell discloses step (3), in that he injects a fluid hydrocarbon such as natural gas, with his back run steam *at the top of the superheater*. Note page 4, lines 12–50. In lines 41–44 "other gas" is defined as including also *vapors*. The oil injected by applicants must be vaporized before it is subjected to the cracking temperatures in the fuel bed.

It appears from the record that the patent to Young, No. 1,751,849, was issued March 25, 1930, on an application filed June 22, 1922.

On October 10, 1929, the patentee Young inserted the following, by amendment, in his original application:

While I have described carbureting with oil during the forward run, the oil being admitted through nozzle 22, and the carbureting with the volatiles from bituminous coal admitted at 90 during the back run, it is evident that oil might be admitted at 22 during a back run or that other carbureting material than oil might be admitted at 22 during either a forward or a back run. Here again the flexibility of the process is one of its important merits.

Appellants submitted an affidavit under rule 75 of the Rules of Practice in the United States Patent Office, in which it was established that they completed the invention prior to the amendment made by Young to his specification.

In view of the fact that the patentee had not, prior to his amendment, disclosed specifically the introduction of hydrocarbon oil during the back-run cycle, appellants contended that the patent to Young, No. 1,751,849, was not a proper reference.

However, the Primary Examiner did not adopt that view, but, on the contrary, held that the amendment was based on "matter originally disclosed and claimed" by Young.

On appeal, the only reference referred to by the Board of Appeals was the patent to Young, No. 1,751,849. With regard thereto, the board said:

The patent to Young, 1,751,849, discloses this modification except that in the application as originally filed the back flow of steam mingled with finely divided material which apparently was coal. An amendment was introduced into the Young application stating that oil could be employed instead of coal. Appellants filed an affidavit under rule 75 which the Examiner has accepted as showing a completion of the invention covered by claim 9 prior to the date of the amendment in the Young application. The Examiner, however, has held that the reference to oil in the amendment is not new matter but is supported by the Young disclosure as originally filed. He calls attention to the fact that original claim 1 was generic to a hydrocarbon which might be either oil or coal and that oil was mentioned on page 3 of the original specification.

The use of a generic term in the original claim does not specifically disclose the use of oil. The reference to oil on page 3 contains no suggestion that the oil which enters through the pipe 21 would be mingled with the back flow steam. We have also investigated the other matters referred to by the Examiner in support of his holding that the amendment did not involve new matter but in our opinion there is no disclosure in the Young application as originally filed that oil will be mingled with the back flow steam. However, as shown by the original claim 1 above referred to, Young regarded his invention as generic to hydrocarbons such as coal and oil and we consider that it would readily occur to one skilled in the art to substitute an oil spray for the coal dispensing means.

* * * * * *

For the reason above stated, the decision of the Examiner is affirmed in holding the subject matter of the appealed claims to be unpatentable over the prior art.

We deem it unnecessary to discuss the references of record, further than to say that, although they disclose that it was old in the art to introduce hydrocarbon oil in the *forward-run cycle* for the purpose of enriching the gas, the patent to Young, No. 1,751,849, as amended, is the only reference which discloses the gist of appellants' invention—the introduction of hydrocarbon oil in the *back-run cycle*.

The Board of Appeals held that the patentee's application, prior to the amendment of October 10, 1929, did not disclose that feature. The Board concluded, however, that the patentee Young "regarded his invention as generic to hydrocarbons such as coal and oil," and that, therefore, it would not involve invention to "substitute an oil spray for the" patentee's "coal dispensing means." Accordingly, the sole issue in the case is whether, in view of the references disclosing the use of hydrocarbon oil in the *forward-run cycle* for the purpose of enriching the gas, it would involve invention to substitute such oil for "finely divided material which apparently was coal" in the *back-run cycle* in order to secure a gas of increased hydrogen content, lowered specific gravity, and increased volume.

It is conceded by counsel for appellants that "coal and oil are both hydrocarbons." It is contended, however, that they are not equivalents in the art here involved.

It is obvious, we think, that coal and oil are no more equivalents in the manufacture of carbureted water gas, than in many other of the variety of uses to which they may be put.

The specification in the Young patent, No. 1,751,849, shows evidence of great care in its preparation. The patentee's application was filed June 22, 1922, but it was not until October 10, 1929, long after appellants' application was filed, that it occurred to the patentee that the introduction of oil in the back-run cycle was of sufficient importance to warrant a statement of it in his specification.

We think it is a fair deduction, and one to which appellants are fully entitled, that the reason the patentee did not disclose and claim the involved invention in his original application was because its importance had not then occurred to him.

In view of the facts of record, we are of opinion that appellants' process, which is new, useful, and an important contribution to the art, was not obvious to those skilled therein; that it involves invention; and that appellants are entitled to a patent therefor.

The appeal is dismissed as to claim 10.

For the reason stated, the decision of the Board of Appeals is reversed as to claim 9.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE OAKLEY

No. 3,561. Decided December 24, 1934

PATENTABILITY — PROCESS OF MELTING AND REFINING GLASS.

Claims for a process of melting and refining high borosilicate glasses *Held* unpatentable since applicant is seeking through such claims to secure the use of a particular kind of a furnace to be used in melting such glass and the invention, if any, does not lie in such process but in the apparatus.

APPEAL from the Patent Office. Affirmed.

Mr. W. M. Dorsey for *Oakley*.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner, rejecting all the claims of appellant's application. The claims are all process claims and are numbered 1 to 5, inclusive. Claim 2 is illustrative of the subject matter on appeal and reads as follows:

2. The hereinbefore described process of melting and refining high borosilicate glasses in a container of high alumina content and low flux content, the refractory containing a high percentage of alumina as such.

The references cited are: Smith, 1,500,651, July 8, 1924; Shively, 1,575,514, March 2, 1926; Crawford, 1,630,892, May 31, 1927; The Glass Industry (Tank Vol. 7, No. 11.

The application relates to a process for melting borosilicate glasses. The process disclosed is one of melting and refining glasses of the character named in a container or furnace, the glass-contacting walls of which are of high alumina content and low flux content.

The patent to Smith relates to a glass-making apparatus, including a closed tank in which a body of molten glass is accumulated.

The patent to Shively relates to apparatus for making glass and process therefor, in which glass is melted in a container.

The patent to Crawford relates to a tank block for glass furnaces in which the tank for holding molten glass is made up of courses of flux blocks.

The pages from the publication "The Glass Industry" disclose the use of containers with refractories containing from 65 to 80 per centum of alumina. The only other ingredients mentioned for the refractories are silica and zirconia. The article refers to "refractories consisting chiefly of alumina and silica."

Both the Examiner and the Board of Appeals held that any process disclosed in appellant's application for melting borosilicate glasses is disclosed by the Shively and Smith patents, and both tribunals held that the particular composition of the refractory material lining the container or furnace claimed by appellant is disclosed in the publication "The Glass Industry."

As we view the decisions of the Patent Office tribunals, each held that the particular composition of the refractory material used in constructing the container or furnace constituted no part of the process of melting glass; and secondly, that if the use of such refractory material might be considered as a part of the process of melting glass, such material as defined in appellant's claims was old, as shown by the reference "The Glass Industry," and there would be no invention in the use of such material by appellant in melting glass.

We do not find it necessary to consider this second ground of rejection for the reason that we are satisfied that the character of the furnace used by appellant can not lend patentability to his process claims here involved. Appellant's counsel in his brief states:

It is appellant's contention that as the refractory in question produces a superior glass, when used as a container for melting and refining the glasses of the character specified, over the glass which would be produced if another type of refractory were used, such use constitutes an invention which, if novel, may be protected by a process claim, and that invention was involved in selecting the material in question as the refractory in which to melt the high boro-silicate glass, as such selection was not only not obvious but was opposed to the generally accepted view in the art.

Clearly appellant's only claim to invention lies in the selection of the refractory material lining his container or furnace. He does not contend that there is any reaction between such refractory material and the molten glass. Appellant's brief states:

Appellant does not contend that there is any novelty in melting glass in a clay container. Nor does he contend that a refractory containing a high percentage of aluminum oxide is novel. Indeed, there are in the art refractories consisting of nothing else but aluminum oxide as such, although an example of such a refractory is not in this record.

It appears to us that appellant is seeking, through a process claim, to secure a patent monopoly upon the use of a particular kind of furnace for use in melting borosilicate glass. If that is true, his invention does not lie in a process of melting such glass but in apparatus used in melting such glass. Upon oral argument appellant's counsel expressed the opinion that an apparatus claim for the particular kind of container or furnace employed by appellant would not be patentable because of the prior art. If this be true, we do not understand upon what theory a process claim, depending wholly for its validity upon the type of furnace used, could be sustained.

However, we are not concerned here with the question of whether an apparatus claim for a container or furnace having the refractory material specified by appellant would be allowable. We agree with the statement of the Examiner that—

If there is any invention in applicant's disclosure, it would appear to be in the particular refractory composition *per se* and not as presented in the claims as a method of melting.

Assuming that a container or furnace having refractory material as specified by appellant was not patentable to him as an apparatus, it follows that others would have the right to use such a container or furnace for melting glass, the method of melting glass in a container concededly being old. If that be true, surely appellant could not properly be granted a patent monopoly for accomplishing the same purpose through the process claims here involved. On the other hand, if a container or furnace having the refractory material specified by appellant be patentable, then appellant's invention lay in devising such a furnace or container, and not in a process of melting glass.

In the consideration of process claims we have heretofore cited with approval the following from the opinion in the case of *In re Weston*, 17 App. D. C. 431:

It seems to us from all these authorities the deductions to be drawn are these: First, that processes involving a chemical or other elemental action, if new and useful, are patentable; second, that a process, which amounts to no more than the mere function of a machine, is not patentable; third, that a process or method of a mechanical nature, not absolutely dependent upon a machine, although perhaps best illustrated by mechanism, may, if new and useful, be the proper subject of a patent, even though it involves no chemical or other elemental action.

The foregoing was quoted and approved by us in the case of *In re Ernst et al.*, 21 C. C. P. A. (Patents) 1235, 71 F.(2d) 169. It is clear that

appellant's claims here in issue do not come within the rule laid down in said case of *In re Weston*, supra.

In the case of *In re Weeks*, 18 C. C. P. A. (Patents) 1234, 48 F.(2d) 662, we said with respect to a method claim there involved:

> • • • At most the claim does no more than describe the method by specifying the apparatus used in the operation. This is not sufficient. • • •

In support of the foregoing we cited the case of *In re Weston*, supra.

We do not deem it necessary to enter upon a discussion of the general law relating to process claims. There are no doubt many cases where it is difficult to determine whether an invention should be the subject of apparatus or process claims, or both, but we are clear that in the case at bar the claims are not allowable as process claims.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,231,764 (*a*), F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,465,332, same, Vacuum tube amplifier; 1,573,374, R. A. Chamberlain, Radio condenser; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13757, *Radio Corp. of America et al.* v. *International Parts Corp. et al.* Consent decree holding patents valid and infringed Feb. 5, 1935. Patent 1,231,764 is not mentioned in the decree.

1,231,764 (*b*), F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,465,332, same, Vacuum tube amplifier; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13842, *Radio Corp. of America et al.* v. *S. P. Zaney et al.* Decree pro confesso as to defendants Zaney & Gill Oct. 3, 1934. Consent decree as to Rabinovitch, holding patents valid and infringed Jan. 15, 1935.

1,247,540, 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797, Stott & Jones, Aeration of sewage and other impure liquids, D. C., N. D. Ill., E. Div., Doc. 14054, *Activated Sludge, Inc.* v. *Village of Grays Lake, Ill.* Consent order dismissing cause Oct. 17, 1934. Same, D. C., W. D. Okla. (Oklahoma City), Doc. E 1642, *Activated Sludge, Inc.* v. *City of Hooker, Okla.* Title to patents sued on held to be in plaintiff and patents held infringed (notice April 5, 1935).

1,247,542. (See 1,247,540.)

1,248,944, W. C. Stilson, Trap; 1,891,737, H. A. Stilson, Animal trap, D. C., N. D. Ill., E. Div., Doc. 13045, *A. S. Nichols Western Co. et al.* v. *Butler Bros.* Consent decree dismissing bill Nov. 1, 1934.

1,251,377 (*a*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,477,898, C. W. Rice, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 13758, *General Electric Co.* v. *International Radio Parts Corp. et al.* Consent decree holding 1,297,188 and 1,477,898 valid and infringed Feb. 5, 1935. Patent 1,251,377 is not mentioned in the decree.

1,251,377 (*b*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,728,879, Rice & Kellogg, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 13843, *Radio Corp. of America et al.* v. *S. P. Zaney et al.* Decree pro confesso as to defendants Zaney & Gill Oct. 3, 1934. Consent decree as to Rabinovitch holding patents valid and infringed Jan. 15, 1935.

1,251,377 (*c*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, D. C., N. D. Ill., E. Div., Doc. 14253, *Radio Corp. of America et al.* v. *F. M. Lund et al.* (*Capitol Radio Co.*). Consent decree holding patents valid and infringed Jan. 16, 1935.

1,251,377 (*d*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus, 1,894,197, 1,728,879, Rice & Kellogg, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 14257, *Radio Corp. of America et al.* v. *Levinson Radio Stores Co. et al.* Consent decree holding patents valid and infringed Feb. 27, 1935. Doc. 14269, *Radio Corp. of America et al.* v. *Atlas Sports & Radio Co. et al.* Decree as above Feb. 16, 1935. Doc. 14271, *Radio Corp. of America et al.* v. *J. P. Winnecour.* (*Economy Tire & Radio Stores*). Decree as above Jan. 28, 1935.

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,297,188. (See 1,251,377 (*a*), (*b*), (*c*), and (*d*).)

1,309,724. (See Re. 15,502.)

1,317,431, L. P. Clutter, Ditching or excavating machine, 1,476,121, Wagner & Downie, Excavating scoop, D. C., N. D. Ill., E. Div., Doc. 13551, *Keystone Driller Co.* v. *Page Engineering Co.* Dismissed without prejudice Jan. 31, 1935.

1,343,797. (See 1,247,540.) 1,349,010. (See Re. 18,061.)

1,357,020 (See Re. 18,742.) 1,362,175. (See Re. 15,502.)

1,376,154, J. M. Morris, Electrical lighting device; 1,620,548, R. O. Hammond, Lighter for cigars; 1,710,348, 1,944,923, 1,944,924, J. H. Cohen, Cigar lighter; 1,710,531, same, Electrical device; 1,919,159, F. C. Copeland, Cigar and cigarette lighter, filed Mar. 28, 1935, D. C., N. D. Ill., E. Div., Doc. 14385, *Casco Products Corp. et al.* v. *The Norlipp Co.*

1,392,197, H. W. Morgan, Sewage treatment, 1,399,561, Imhoff & Blunk, Process of treating sludge, D. C., S. D. N. Y., Doc. E 77/106, *The Dorr Co., Inc.*, v. *Hardinge Co., Inc.* Consent and order of discontinuance Mar. 29, 1935.

1,392,629, 1,890,974, C. P. Dubbs, Process for converting hydrocarbons; 1,537,593, G. Egloff, Process for cracking oil, filed April 1, 1935, D. C. Kans. (Topeka), Doc. 449–N, *Universal Oil Products Co.* v. *National Refining Co.*

1,395,604. (See Re. 15,502.) 1,399,561. (See 1,392,197.)

1,403,475. (See 1,231,764 (*a*) and (*b*).)

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 14252, *Radio Corp. of America et al.* v. *F. M. Lund et al.* (*Capitol Radio Co.*). Consent decree holding patents valid and infringed Jan. 16, 1935.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 18,916, J. G. Aceves, Supply circuit for radio sets, D. C., N. D. Ill., E. Div., Doc. 14256, *Radio Corp. of America et al.* v. *Levinson Radio Stores Co. et al.* Consent decree, holding patents valid and infringed Feb. 27, 1935.

1,403,475 (*c*), H. D. Arnold, vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 18,916, J. G. Aceves, Supply circuit for radio sets, D. C., N. D. Ill., E. Div., Doc. 14268, *Radio Corp. of America et al.* v. *Atlas Sports & Radio Co. et al.* Consent decree holding patents valid and infringed Feb. 16, 1935. Doc. 14270, *Radio Corp. of America et al.* v. *J. P. Winnecour* (*Economy Tire & Radio Stores*). Decree as above Jan. 28, 1935.

1,403,932. (See 1,231,764 (*a*), (*b*), 1,403,475 (*a*), (*b*), and (*c*).)

1,405,773. (See Re. 15,502.)

1,432,166, P. During, Fruit juice extractor, 1,649,755, A. W. Thompson, same; 1,747,957, C. F. Silvens, same, D. C., N. D. Ill., E. Div., Doc. 13533, *Simplex Juice Extractor Co. et al.* v. *J. Gross* (*Nu-Way Juice Extractor Co. et al.*). Dismissed Nov. 13, 1934.

1,438,229. (See Re. 15,502.)

1,442,159, B. Kugler, Terminal coupling and anchorage for window cleaner's harness; 1,588,592, same, Harness fitting and anchorage; 1,649,240, same, Safety harness and coupling for window cleaners; Des. 71,386, same, Anchorage for window cleaner's harness, D. C., N. D. Ill., E. Div., Doc. 9328, *B. Kugler* v. *Whitner-2 Rope Safety Co.* Suit and counterclaim dismissed, on stipulation, with prejudice Feb. 21, 1935.

1,445,473. (See Re. 15,502.)

1,462,904, S. E. Finley, Method of preparing bituminous cement aggregate composition; 1,522,431, Same, Apparatus for preparing bituminous cement-aggregate composition, D. C., E. D. Ark. (Little Rock), Doc. E 2411, *S. E. Finley* v. *O. O. Ogden et al.* Dismissed without prejudice Mar. 28, 1935.

1,465,332. (See 1,231,764 (*a*) and (*b*).

1,476,121. (See 1,317,431.)

1,477,898. (See 1,251,377 (*a*).)

1,487,405. (See Re. 15,502.)

1,489,996. (See Re. 15,502.)

1,491,789, C. W. Cowles, Electrical connector, 1,793,911, P. N. Dann, Grounding fitting for electric systems; 1,976,769, S. W. Borden, Electrical connecting device for electrical conductors; 1,754,600, same, Electrical connecting system; 1,754,601, same, Electrical connecting device for electrical connecting systems; 1,897,186, S. N. Buchanan, Grounding fittings, filed April 8, 1935, D. C., N. D. Ohio, E. Div., Doc. 5197, *S. W. Borden* v. *The Newcart Mfg. Co.*

1,507,016. (See 1,403,475 (*a*) and (*b*).)

1,507,017. (See 1,403,475 (*a*) and (*b*).)

1,510,094, 1,619,622, G. A. MacVey, Cigarette box, filed April 1, 1935, D. C., E. D. N. Y., Doc. E 7551, *Handipak Co., Inc., et al.* v. *A. W. Meldrum et al.*

1,522,431. (See 1,462,904.)

1,537,593. (See 1,392,629.)

1,554,928. (See Re. 15,502.)

1,564,378, H. Stein et al, Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs and the like, filed April 3, 1935, D. C., E. D. N. Y., Doc. E 7557, *Steinfur Patents Corp.* v. *Rosenblum, Jasper, Harris & Reichart Co., Inc., et al.*

1,573,200. (See 1,564,378.)

1,573,374. (See 1,231,764 (*a*), 1,251,377 (*b*), (*c*), and (*d*).)

1,588,592. (See 1,442,159.)

1,592,618, S. Otis, Direct steaming system for locomotives; 1,686,103, L. G. Plant, Locomotive terminal, appeal filed April 1, 1935, C. C. A., 10th Cir., Doc. 1260, *Railway Engineering Equipment Co. et al.* v. *Oregon Short Line Railroad Co.*

1,618,017. (See 1,231,764 (*a*), (*b*), 1,403,475 (*a*), (*b*), and (*c*).)

1,619,622. (See 1,510,094.)

1,620,548. (See 1,376,154.)

1,649,240. (See 1,442,159.)

1,649,755. (See 1,432,166.)

1,666,107. (See Re. 15,502.)

1,669,918, H. Streeter, Evaporating unit for refrigerating system; Re. 18,182, M. F. Booth, Cooling unit for refrigerating systems, D. C., S. D. Ind. (Evansville), Doc. E 150, *Mullins Mfg. Corp.* v. *Servel, Inc.* Injunction in favor of plaintiff (notice 3, 1935).

1,686,103. (See 1,592,618.)

1,693,665. (See Re. 15,502.)

1,695,534, W. C. Carter, Pump diaphragm; 1,847,445, Randolph & Ford, Diaphragm for fuel pumps and method of making same, D. C., E. D. Mich. (Detroit), Doc. 6005, *A C Spark Plug Co.* v. *Stewart Warner Corp.* Decree for plaintiff (notice April 1, 1935).

1,697,567, W. J. King, Folding table; 1,697,594, E. E. Gowell, same, D. C., N. D. Ill., E. Div., Doc. 13,991, *The E. T. Burrowes Co., Inc., et al.* v. *Shwayder Bros., Inc.* Dismissed for want of jurisdiction Jan. 17, 1935.

1,697,594. (See 1,697,567.)

1,702,833. (See 1,231,764 (*a*), (*b*), 1,403,475 (*a*), (*b*), and (*c*).)

1,706,961, E. C. Morgan, Apparatus for mining coal; 1,706,962, 1,707,132, same, Mining machine, D. C., N. D. Ill., E. Div., Doc. 10109, *O. E. Morgan et al.* v. *Goodman Mfg. Co.* Dismissed by stipulation Oct. 2, 1934.

1,706,962. (See 1,706,961.)

1,707,132. (See 1,706,961.)

1,707,617. (See 1,251,377 (*c*) and (*d*).)

1,710,348. (See 1,376,154.)

1,710,531. (See 1,376,154.)

1,728,879. (See 1,251,377 (*b*) and (*d*).)

1,730,827. (See Re. 15,502.)

1,744,298. (See Re. 18,061.)

1,746,985, A. H. Bates, Automobile heater; 1,830,691, same, Heat control for car heater, D. C., N. D. Ill., E. Div., Doc. 10811, *Liberty Foundries Co.* v. *Auto Radiator Mfg. Co. et al.* Dismissed on stipulation Oct. 5, 1934.

1,747,957. (See 1,432,166.)

1,749,441. (See Re. 15,502.)

1,754,600. (See 1,491,789.) 1,754,601. (See 1,491,789.)

1,793,911. (See 1,491,789.)

1,795,214. (See 1,251,377 (*c*) and (*d*).)

1,811,095. (See 1,231,764 (*a*), (*b*), 1,403,475 (*a*), (*b*), and (*c*).)

1,814,132. (See Re. 18,742.)

1,815,745, R. E. Thompson, Safety razor, 1,858,316, Thompson & Smith, same, D. C. Del., Doc. E 1014, *Gillette Safety Razor Co.* v. *Marathon Razor Blade Co.* Dismissed Mar. —, 1935.

1,830,691. (See 1,746,985.)

1,847,445. (See 1,695,534.)

1,856,986. (See Re. 18,742.)

1,858,316. (See 1,815,745.)

1,878,293, 1,922,453, M. Popper, Pinking attachment for sewing machines; 1,891,308, 1,909,346, H. F. Gruman,

Combined beaming and pinking machine, filed Apr. 2, 1935, D. C., E. D. N. Y., Doc. E 7555, *Lewis Invisible Stitch Machine Co. v. N. Golub.*

1,890,974. (See 1,392,629.)

1,891,136, 1,891,137, Beck & Whittaker, Street illumination; 1,977,612, 1,977,613, same, Street lighting luminare; 1,977,614, same, Electric street lighting bulb, filed Mar. 29, 1935, D. C. Del., Doc. E 1108, *Duro Test Corp.* v. *Welsbach Street Lighting Co. of America et al.*

1,891,137. (See 1,891,136.) 1,891,308. (See 1,878,293.)

1,891,737. (See 1,248,944.)

1,894,195. (See 1,251,377 (c), (d).)

1,895,978. (See Re. 18,742.)

1,897,188. (See 1,491,789.)

1,908,380. W. A. Tratsch, Coin slide; 1,908,752. L. M. Hall, Coin-controlled device, D. C., N. D. Ill., E. Div., Doc. 13382, *W. A. Tratsch et al.* v. *Chicago Lock Co.* Claims 1, 2, 3, 4, and 5 of 1,908,380 held invalid; claims 6 and 7 of 1,908,380, and claims 1 to 25, incl., of 1,908,752 held valid and infringed Oct. 25, 1934.

1,908,752. (See 1,908,380.) 1,909,346. (See 1,878,293.)

1,919,159. (See 1,376,154.) 1,922,453. (See 1,878,293.)

1,930,691. (See 1,746,985.) 1,944,923. (See 1,376,154.)

1,944,924. (See 1,376,154.)

1,954,805. (See Re. 18,742.)

1,959,413. (See Re. 18,742.)

1,976,769. (See 1,491,789.)

1,977,612. (See 1,891,136.) 1,977,613. (See 1,891,136.)

1,977,614. (See 1,891,136.)

Re. 15,031, Cantrell & Miller, Oil retainer, D. C., N. D. Ill., E. Div., Doc. 12942, *National Motor Bearing Co., Inc.*, v. *Chicago Rawhide Mfg. Co. et al.* Dismissed with prejudice Dec. 3, 1934. "This notice is sent because an original notice was sent in this case by error because the suit was not brought in reliance on the patent laws, but under the Clayton Act to restrain defendants." Notice of filing of suit published in 438 O. G., p. 7.

Re. 15,140. (See 1,247,540.)

Re. 15,502, W. M. Folberth, Windshield cleaner; 1,309,724, 1,405,773, same, Windshield cleaning apparatus; 1,438,229, same, Windshield cleaner; 1,489,996, Folberth & Folberth, same; 1,362,175, J. R. Olshel, same; 1,749,441, same, Windshield cleaner mounting; 1,395,604, S. G. Skinner, Windshield cleaner; 1,487,405, same, Suction motor for windshield cleaners; 1,445,473, W. J. Beagle, Windshield cleaner; 1,554,928, A. B. Thompson, Motor for automatic windshield cleaner; 1,666,107; Re. 19,202 (of 1,693,665), J. X. Phillips, Jr., Windshield cleaner; 1,730,827, D. C. Schilling, Parking windshield cleaner, suit for declaratory judgment filed Apr. 4, 1935, D. C., W. D. N. Y., Doc. 1965, *Automotive Equipment, Inc.*, v. *Trico Products Corp., Inc.*

Re. 18,061 (of 1,744,298), C. W. Davis, Blue flame mantle lamp; 1,349,010, F. W. Spangler, Wick cleaner and sharper, filed Feb. 9, 1935, D. C., E. D. Ill. (Danville), Doc. E 759-D, *The Mantle Lamp Co. of America* v. *Montgomery Ward & Co., Inc.*

Re. 18,182. (See 1,669,918.)

Re. 18,579. (See 1,231,764 (a), (b), 1,403,475 (a), (b), and (c).)

Re. 18,742. F. W. Farrell, Coated paper; 1,357,020, E. H. Angier, Gummed paper and method of manufacturing same; Re. 19,128, R. G. Drew, Adhesive tape; 1,959,413, 1,856,986, same, Adhesive sheeting; 1,814,132, same, Process for preparing adhesive tape; 1,895,978, same, Adhesive sheeting and masking for painting; 1,954,805, same, Method of making adhesives in the form of sheets, filed Mar. 22, 1935, D. C., N. D. Ill., E. Div., Doc. 14382, *Minnesota Mining & Mfg. Co.* v. *Johnson & Johnson et al.*

Re. 18,916. (See 1,403,475 (b) and (c).)

Re. 19,128. (See Re. 18,742.)

Re. 19,202. (See Re. 15,502.)

Des. 71,386. (See 1,442,159.)

TRADE-MARKS

OFFICIAL GAZETTE, MAY 21, 1935

[VOL. 454. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 358,964. A/S NORWEGIAN TALC, Aasane, near Bergen, Norway. Filed Dec. 6, 1934.

ALUMIT

For Minerals—Namely, Talc, Graphite, and Mica.
Claims use since June, 1933.

Ser. No. 363,085. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Mar. 28, 1935.

RAYDEX

For Corn Sugar for use in Processing Certain Fabrics.
Claims use since Mar. 1, 1935.

Ser. No. 363,309. ALLIED KID COMPANY, Boston, Mass. Filed Apr. 2, 1935.

E
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O

For Finished Leather.
Claims use since Jan. 10, 1935.

Ser. No. 363,387. FARM SERVICE STORES, INC., Minneapolis, Minn. Filed Apr. 4, 1935.

GOPHER

For Seeds, Particularly Field, Lawn, and Garden Seeds.
Claims use since Mar. 22, 1935.

CLASS 2

Receptacles

Ser. No. 359,920. HELEN MARION METHVEN, Edgware, England. Filed Jan. 4, 1935.

HANDY ANN

For Base Metal or Composition Vanity Cases Sold to the Trade Empty.
Claims use since Sept. 6, 1934.

Ser. No. 362,847. STANCO INCORPORATED, New York, N. Y. Filed Mar. 21, 1935.

FLIT

For Garment Bags of Paper, Fabric, or Combinations Thereof.
Claims use since Jan. 31, 1935.

Ser. No. 363,402. NATIONAL ENAMELING & STAMPING CO., Milwaukee, Wis. Filed Apr. 4, 1935.



For Kitchenette Sets—Namely, Flour, Sugar, Coffee, and Tea Canisters; Bread Boxes, Flour Bins, Cake Closets, Cookie Boxes, Pantry Boxes, Made of Japanned Ware.
Claims use since Mar. 24, 1931.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 362,879. THE J. E. MERGOTT COMPANY, Newark, N. J. Filed Mar. 22, 1935.

JUNIOR

For Bag Frames, Purse Frames, and Pocketbook Frames.
Claims use since Feb. 1, 1935

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 335,547. CARMAN & CO. INC., New York, N. Y. Filed Mar. 8, 1933.

THREADS

For Soap.
Claims use since Feb. 17, 1933.

Ser. No. 362,178. ALBERT KEILBACH, Yonkers, N. Y. Filed Mar. 6, 1935.

"TREBLA"

For Abrasive Polishing Material.
Claims use since Jan. 2, 1934.

Ser. No. 362,629. L. PERRIGO CO., Allegan, Mich. Filed Mar. 16, 1935.

White O

The word "White" is disclaimed apart from the mark as shown.
For Cleaner and Whitener for Shoes of Leather and Canvas.
Claims use since Apr. 1, 1934.

Ser. No. 363,086. ANSONIA COATED ABRASIVES, INC., New York, N. Y. Filed Mar. 28, 1935.

VERTICOAT

For Coated Abrasives.
Claims use since Mar. 11, 1935.

Ser. No. 363,087. ANSONIA COATED ABRASIVES, INC., New York, N. Y. Filed Mar. 28, 1935.

MYLAMINIT

For Coated Abrasives.
Claims use since Feb. 25, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 339,953. CHARLES OF THE RITZ, INC., doing business as Marie Kay, New York, N. Y. Filed July 20, 1933.



For Nourishing Cream, Cleansing Cream, Hand Cream, Protective Cream.
Claims use since Apr. 30, 1933.

Ser. No. 349,016. CATARACT CHEMICAL COMPANY, INC., Buffalo, N. Y. Filed Mar. 23, 1934.



ROYAL HANOVER

No claim is made for the word "Hanover" apart from the mark
For Shampoo.
Claims use since Mar. 5, 1934.

Ser. No. 352,052. JOHN B. TAYLOR, doing business as Taylor Laboratories, Liverpool, N. Y. Filed May 29, 1934.

Adorable

For Face Powders, Talcum Powders, Tooth Powders, Cold Creams, Vanishing Creams, Skin Lotions, Perfumes, Toilet Water, Lip Sticks, Rouge, Shampoos, Hair Tonics, Preparations for Relief of Corns, Skin Softening Lotions, and Hair Pomades.
Claims use since Sept. 1, 1933.

Ser. No. 355,502. WESTWELL CHEMICAL COMPANY, Whittier, Calif. Filed Aug. 27, 1934.

WEST-WELL

For Insecticides, Fungicides, Parasiticides and Various Chemicals Such as Metallic Hydrates, Metallic Carbonates,

Metallic Sulphides, Copper Oleate, Magnesium Stearate, Aluminum Stearate, Calcium Stearate, Zinc Stearate, Zinc Laurate, and Blood Albumen and Preparations Containing the Same.
Claims use since June 16, 1934.

Ser. No. 359,262. J. M. GROSE, Walnut Ridge, Ark. Filed Dec. 13, 1934.



For Hair Tonic.
Claims use since Feb. 9, 1927.

Ser. No. 359,416. BLUE MONDAY PRODUCTS CO., St. Louis, Mo. Filed Dec. 12, 1934.

BLUE MONDAY

For Water Softener and Soap Saver Used for General Cleaning Purposes.
Claims use since June 15, 1918.

Ser. No. 359,903. HELEN GILL BRODHEAD, New York, N. Y. Filed Jan. 4, 1935.

Koreyn

For Preparation for the Treatment of Toxemias.
Claims use since November, 1933.

Ser. No. 360,068. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Jan. 9, 1935.

Acronal

For Polymerized Vinyl Compounds in the Form of Solids, Solutions or Emulsions Suitable for Various Uses in the Industrial Arts.
Claims use since Nov. 11, 1933.

Ser. No. 360,476. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Jan. 21, 1935.

Lutren

For Corpus Luteum Hormone Preparation for Treatment of Uterine Hemorrhage and Similar Gynecological Condition.
Claims use since Dec. 1, 1934.

Ser. No. 361,015. MAX GOLDMAN, doing business as Marlene Laboratories, Chicago, Ill. Filed Feb. 4, 1935.

Marlene's

For Skin Tonic, Skin Freshener, and Astringent Lotion, Facial Cream, and All-Purpose Cream.
Claims use since Oct. 20, 1932.

Ser. No. 361,301. FRANCIS E. BARNES, Los Angeles, Calif. Filed Feb. 12, 1935.

Mme. Francoise's

For Astringents, Bleach Creams, Cleansing Creams, Vanishing Creams, Rouge, Face Powder, and Corn Salves.
Claims use since Jan. 15, 1935.

Ser. No. 361,445. GLADYS W. PAGE, doing business as The Trixo Company, Los Angeles, Calif. Filed Feb. 15, 1935.

Trixo

For Washing Crystals and a Soap Saver and Water Softener Having Cleansing Properties.
Claims use since July 21, 1934.

Ser. No. 361,718. BREWER & COMPANY, INC., Worcester, Mass. Filed Feb. 23, 1935.



For Plain and Mint Flavored Cod Liver Oil and Cod Liver Oil Wafers, Lozenges, Tablets, and Gelatine Capsules.
Claims use since April, 1923.

Ser. No. 361,760. MORNINGSTAR, NICOL, INC., New York, N. Y. Filed Feb. 23, 1935.

MORNING STAR PRODUCTS EST. 1851

PENETRA SET

No claim is made to the words "Products" and "Set" apart from the mark.

For Chemical Preparation in Liquid Form Used in the Processing of Acetate and Rayon Yarns.

Claims use since July 5, 1933.

Ser. No. 361,761. MORNINGSTAR, NICOL, INC., New York, N. Y. Filed Feb. 23, 1935.

MORNING STAR PRODUCTS EST. 1851 SYNTHOGEL

No claim is made to the word "Products" apart from the mark as shown.

For Chemical Preparation in Powder Form Used in the Processing of Acetate and Rayon Yarns.

Claims use since Nov. 19, 1929.

Ser. No. 361,888. ADAM NAOUM ISCHLONDSKY, Paris, France. Filed Feb. 27, 1935.

KENACTAN

For Preparation for Glandular Troubles, Diseases of the Nervous System, for Use in Arterio-Sclerosis, Heart Trouble, Tuberculosis, Furunculosis, Pneumonia, Influenza, Gonorrhea, Conjunctivitis, Blepharitis, Anaemia, and General Metabolic Disturbances, said Preparation Being Prepared in the Form of a Liquid for Intramuscular Injections.

Claims use since Aug. 21, 1934.

Ser. No. 362,109. FONTANA & ALISON COMPANY, Rosebank, N. Y. Filed Mar. 4, 1935.

Fontalis Herbs

Applicant disclaims the word "Herbs" apart from the mark as shown.

For Prepared Medicinal Herbs for Making Infusions for Use as an Aid in the Treatment of Diabetes.

Claims use since Jan. 21, 1935.

Ser. No. 362,200. VITA-B CORPORATION, New York, N. Y. Filed Mar. 6, 1935.

VITA-B

For Therapeutic Preparation Containing Vitamins B and G.

Claims use since Feb. 1, 1935.

Ser. No. 362,244. WILLIAM F. WALPOLE, doing business as The Walton Company, St. Joseph, Mo. Filed Mar. 7, 1935.

GLANNUX COMPOUND TABLETS

No claim is made to the words "Compound Tablets" apart from the mark.

For Tonic Tablets.

Claims use since June 1, 1927.

Ser. No. 362,301. R. J. FITZSIMMONS CORPORATION, New York, N. Y. Filed Mar. 9, 1935.

M P G

For Photographic Chemicals for Fine Grain Developing of Negative Photographic Material.

Claims use since Nov. 15, 1933.

Ser. No. 362,370. GEORGE R. MAYO, doing business as Mayo Company, Pasadena, Calif. Filed Mar. 11, 1935.

SNORE NO MORE

Applicant disclaims the words "Snore No More" apart from the mark as shown.

For Salve for External Use for the Relief of Snoring.

Claims use since Mar. 1, 1935.

Ser. No. 362,378. PARFUMERIE ST. DENIS, New York, N. Y. Filed Mar. 11, 1935.



The GRENADIER

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotion, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powder, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since July 12, 1934.

Ser. No. 362,384. SPRATT'S PATENT (AMERICA) LIMITED, London, England. Filed Mar. 11, 1935.

SPRATT'S "RECTO"

For Aquarium Rectifier, Being a Combination of Mineral Salts Intended to Replace Minerals Lost in the Course of the Life of an Aquarium.

Claims use since Mar. 1, 1935.

Ser. No. 362,398. HENRY W. ALLEN, Ridgefield, Conn. Filed Mar. 12, 1935.

PURITY QUALITY DEPENDABILITY VAC-U-ETTS

No claim is made to the words "Purity", "Quality", and "Dependability" apart from the mark.

For Laxative.

Claims use since October, 1919.

Ser. No. 362,503. JOHN M. BAIR, doing business as The Kep-All Company, New York, N. Y. Filed Mar. 14, 1935.

KEP-ALL

For Preparation for Supplying Organic Sea Minerals in Readily Assimilable Form.

Claims use since Jan. 2, 1935.

Ser. No. 362,504. JOHN M. BAIR, doing business as The Kelp-All Company, New York, N. Y. Filed Mar. 14, 1935.

KELP-ALL

No claim is made to the word "Kelp" apart from the mark shown.

For Preparation for Supplying Organic Sea Minerals in Readily Assimilable Form.

Claims use since Jan. 1, 1935.

Ser. No. 362,505. JOHN M. BAIR, doing business as The Kelp-O-Mol Company, New York, N. Y. Filed Mar. 14, 1935.

Kelp-O-Mol

No claim is made to the word "Kelp" apart from the mark as shown.

For Preparation for Supplying Organic Sea Minerals in Readily Assimilable Form.

Claims use since Jan. 2, 1935.

Ser. No. 362,625. DELLA MOSER, doing business as Dellamo, Decatur, Ind. Filed Mar. 16, 1935.

The portrait is that of the applicant.



DELLAMO

For Kidney Medicine and a Preparation for the Treatment of Sinus and Catarrhal Ailments.

Claims use since Mar. 1, 1935.

Ser. No. 362,658. ARKANSAS COMPANY INC., New York, N. Y. Filed Mar. 18, 1935.

PARAPON

For Sulphonated Ester Used in the Wet Processing of Textile Fibres.

Claims use since January, 1934.

Ser. No. 362,810. DERMALAB, INC., Winnetka, Ill. Filed Mar. 21, 1935.

Nac-pac

For Material for Use in Facial Treatments.
Claims use since Feb. 6, 1935.

Ser. No. 362,834. MCKESSON & ROBBINS, INCORPORATED, Fairfield and Bridgeport, Conn. Filed Mar. 21, 1935.

PHOS-CAL

(FROM MILK)

No claim is made to the words "From Milk" apart from the mark shown.
For Medical Preparation Derived from Milk for the Treatment of Calcium and Phosphorus Deficiency.
Claims use since Feb. 25, 1935.

Ser. No. 362,854. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 21, 1935.

ADAGOL

For Vitamin A and D Concentrate.
Claims use since Feb. 26, 1934.

Ser. No. 362,855. YARDLEY & CO., LIMITED, London, England. Filed Mar. 21, 1935.

SCINTILLA

For Liquid Perfumes, Face Powder, Face Creams, Hair Shampoos, Bath Salts, and Dusting Powder for Use After Bathing.
Claims use since June, 1934.

Ser. No. 363,037. GEO. L. BURG, doing business as Imperial Manufacturing Company, St. Paul, Minn. Filed Mar. 27, 1935.

MARLENE

For Liquid Wave Set, Wave Set Powder, Hair Oil, Brilliantine and Hand Lotion.
Claims use since Oct. 23, 1931.

Ser. No. 363,206. CHERAMY, INC., New York, N. Y. Filed Mar. 30, 1935.

Cordon Bleu

For Eau de Cologne, Perfume, Face Powder, Talcum Powder, Bath Salts, Brilliantine Bandoline, Rouge, Lip Sticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts, and Eau Vegetable.
Claims use since Mar. 28, 1935.

Ser. No. 363,247. FREDERIC VINCENT, doing business as Health Distributing Company, San Francisco, Calif. Filed Mar. 30, 1935.

Black Oxen

For General Tonic.
Claims use since Feb. 28, 1935.

Ser. No. 363,327. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Filed Apr. 2, 1935.

LO-BAX

For Hypochlorite Product Used as a Bactericide, Germicide, Fungicide, Disinfectant, and Deodorizer.
Claims use since Mar. 19, 1935.

Ser. No. 363,371. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Apr. 3, 1935.

GADOMENT

For Ointment for Burns and Other Skin Injuries.
Claims use since Nov. 5, 1934.

Ser. No. 363,451. GEORG BISSANTZ, Billigheim, Germany. Filed Apr. 6, 1935.

Perasthman

For Preparations for the Treatment of Asthma.
Claims use since 1927.

Ser. No. 363,758. KATRO-LEK LABORATORIES INCORPORATED, Boston, Mass. Filed Apr. 15, 1935.

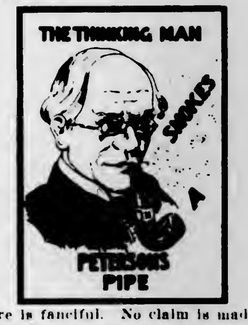
KATRO

For Medicine for Certain Stomach Disorders; Nasal Jellies, Particularly Analgesic Balm; Rheumatic Balm; and Cough Medicines, Particularly Cough Balsam.
Claims use since 1918.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 362,843. HARRY L. ROGERS, New York, N. Y. Filed Mar. 21, 1935.



The picture is fanciful. No claim is made to the word "Pipe" apart from the mark as shown.
For Pipes, and Cigar and Cigarette Holders.
Claims use since January, 1920.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 363,014. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Mar. 26, 1935.

IMPERIAL

For Hose Clamps.
Claims use since Dec. 18, 1917.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 363,105. MORRIS H. LEVINE, doing business as M. H. Levine Co., New York, N. Y. Filed Mar. 28, 1935.

FLORAFOIL

For Aluminum Foil for Useful and Decorative Purposes.
Claims use since July 1, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 360,373. THE PURE OIL COMPANY, Chicago, Ill. Filed Jan. 17, 1935.

PUROFANE

For Cleaning and Polishing Preparations for Use in Cleaning and Polishing Automobiles and Furniture in One Operation.
Claims use since Jan. 14, 1935.

Ser. No. 362,113. HIG FURNITURE POLISH CO., Brooklyn, N. Y. Filed Mar. 4, 1935.

HiG

For Furniture Polish.
Claims use since Jan. 7, 1935.

Ser. No. 362,555. FRANK BOWNES COMPANY, Chelsea, Mass. Filed Mar. 15, 1935.

Esquire

For Ready Mixed Paints for Inside or Outside Use, Paint Enamels, Varnishes, and Varnish Stains.
Claims use since Jan. 19, 1935.

Ser. No. 363,466. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Apr. 6, 1935.

FLOMOR

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Feb. 27, 1935.

Ser. No. 363,503. HOLAR-GLO PRODUCTS, INC., New York, N. Y. Filed Apr. 8, 1935.

HOLAR-GLO

For Varnishes.
Claims use since Mar. 18, 1935.

Ser. No. 363,506. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 8, 1935.

LAUX

Ex-Te-Ro

For Casein Paints.
Claims use since Apr. 2, 1935.

Ser. No. 363,507. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 8, 1935.

LAUXTINT

For Cold or Hot Water Calcimines.
Claims use since Feb. 13, 1935.

Ser. No. 363,780. CONTINENTAL CAR-NA-VAR CORPORATION, Brazil, Ind. Filed Apr. 15, 1935.

VAR-SEAL

No claim is made to the word "Seal" apart from the mark as shown.
For Sealer or Undercoater for Various Types of Floors.
Claims use since Oct. 21, 1932.

CLASS 17

Tobacco Products

Ser. No. 362,842. HARRY L. ROGERS, New York, N. Y. Filed Mar. 21, 1935.



The picture is fanciful. No claim is made to the word "Mixture" apart from the mark shown.
For Smoking Tobacco, Cigars, and Cigarettes.
Claims use since July, 1933.

Ser. No. 363,275. JACOB I. EDELSTEIN, New York, N. Y. Filed Apr. 1, 1935.

MI EMINENTO

For Cigars.
Claims use since June 7, 1911.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 362,452. ALMA MANUFACTURING COMPANY, Alma and St. Louis, Mich. Filed Mar. 13, 1935.

ALCO

For Motor Trucks.
Claims use since Oct. 5, 1933.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 359,176. MAUZ & PFEIFFER, Stuttgart-Botnang, Germany. Filed Dec. 11, 1934.

PROGRESS
SPECIAL

No claim is made to the word "Special" apart from the mark shown.
For Electric Vacuum Cleaners.
Claims use since Sept. 28, 1931.

Ser. No. 360,503. D. M. STEWARD MFG. CO., Chattanooga, Tenn. Filed Jan. 21, 1935.

LAVITE

For Mineral Electrical Insulation Comprising Fittings for Supporting Conductors and Terminals, and of Various Shapes and Sizes According to the Specification of the Device in Which Applied.
Claims use since Apr. 1, 1902.

Ser. No. 362,497. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind. Filed Mar. 13, 1935.

BEN HUR

For Electric Smoothing and Pressing Irons.
Claims use since Jan. 1, 1932.

Ser. No. 362,514. ENGINEERING PRODUCTS CORPORATION, Waltham, Mass. Filed Mar. 14, 1935.

Powrex

For Mercury Switches.
Claims use since August, 1931.

Ser. No. 362,801. AMPLI-PHONE PRODUCTS CO., INC., Chicago, Ill. Filed Mar. 21, 1935.



No claim is made to the word "Phone" apart from the mark shown.
For Inter-Communicating Telephone Systems.
Claims use since Dec. 5, 1934.

Ser. No. 362,974. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Mar. 25, 1935.

T.R.F.

For Electrical Fuses and Circuit Interrupters.
Claims use since Mar. 13, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 362,578. GERHARD A. KLEIN, Los Angeles, Calif. Filed Mar. 15, 1935.

Spellright

For Spelling Game Played With Pieces.
Claims use since May 1, 1934.

Ser. No. 362,784. JEROME HAMBURGER, New York, N. Y. Filed Mar. 20, 1935.

MY BE BE
DOLLS

No claim is made to the word "Dolls".
For Dolls.
Claims use since May, 1932.

Ser. No. 362,911. EDITH L. CRAWFORD, Bronxville, N. Y. Filed Mar. 23, 1935.

TARGETBALL

For Game Board, a Toy for the Amusement of Children.
Claims use since Feb. 11, 1935.

Ser. No. 363,230. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 30, 1935.

MONOPOLY

For Board Game Played with Movable Pieces.
Claims use since Mar. 20, 1935.

Ser. No. 363,231. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 30, 1935.

GAME O'SKEET

No claim is made to the word "Game" apart from the association shown.
For Game Consisting of a Target Moving Down an Incline Track, the Object Being to Hit Said Target with a Gun Shooting Rubber Bands Before the Target Reaches Bottom of the Track.
Claims use since Mar. 15, 1935.

Ser. No. 363,584. J. DE BEER & SON, Albany, N. Y. Filed Apr. 10, 1935.

"Clincher"

For Baseballs, Indoor Baseballs, Playground Balls, and Soft Balls.
Claims use since Oct. 2, 1934.

Ser. No. 363,616. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 11, 1935.

C.O.D.

For Coin Controlled, Ball Projecting Amusement Device.
Claims use since Feb. 4, 1935.

Ser. No. 363,617. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 11, 1935.

FRISKY

For Coin Controlled, Ball Projecting Amusement Device.
Claims use since Mar. 30, 1935.

Ser. No. 363,619. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 11, 1935.

SKILL CIRCLE

For Coin Controlled, Ball Projecting Amusement Device.
Claims use since Mar. 18, 1935.

Ser. No. 363,620. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 11, 1935.

TRAFFIC

For Coin Controlled, Ball Projecting Amusement Device.
Claims use since Feb. 27, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 345,334. FOX RIVER WIRE CLOTH WORKS, INCORPORATED, Appleton, Wis. Filed Dec. 26, 1933.

F FOX X

For Fourdrinier, Cylinder, Washer, and Save-All Wire-Cloth as Used on Paper, Pulp, Sulphite Paper Felt, Paper Board, Fibre Board, Leather Board, and Wall Board Machines and Its Accessory Equipment.
Claims use since July 12, 1932.

Ser. No. 352,194. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn. Filed June 2, 1934.

SUPRA

For Retainers in Ball Bearings.
Claims use since July, 1932.

Ser. No. 362,037. NASON PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 1, 1935.

ARISTOCRAT

For Carpet Sweepers.
Claims use since Jan. 2, 1935.

Ser. No. 362,140. AXEL HOLMSTROM, Philadelphia, Pa. Filed Mar. 5, 1935.

AXEL
ENGINES & PARTS
ESTABL. 1905

No claim is made to the words "Engines & Parts" apart from the mark.
For Etching Machines and Parts of Etching Machines.
Claims use since Feb. 7, 1935.

Ser. No. 362,717. TENDERET CORPORATION, Chicago, Ill. Filed Mar. 18, 1935.

TENDERET

For Meat and Food Tendering Machines.
Claims use since Dec. 27, 1934.

Ser. No. 362,758. PROPORTIONEERS, INC., Providence, R. I. Filed Mar. 19, 1935.

CHLOR-O-FEEDER

No claim is made to the word "Feeder" apart from the mark shown.

For Proportioning Apparatus for Pumping Fluids Such as Treating Fluids or Reagents.

Claims use since June 29, 1932.

Ser. No. 362,759. PROPORTIONEERS, INC., Providence, R. I. Filed Mar. 19, 1935.

TRET-O-METER

No claim is made for the word "Meter" apart from the mark shown.

For Proportioning Apparatus for Feeding Liquids Such as Reagents or Treating Substances.

Claims use since Mar. 22, 1932.

Ser. No. 362,798. THE WASHBURN COMPANY, Worcester, Mass. Filed Mar. 21, 1935.

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TRIPLE SIFTER

The words "Triple Sifter" are disclaimed apart from the mark shown.

For Flour Sifters.

Claims use since Jan. 25, 1935.

Ser. No. 363,280. MICHAEL C. GALLUP, New York, N. Y. Filed Apr. 1, 1935.

Beau Brummel

For Razor Blades.

Claims use since Nov. 1, 1933.

Ser. No. 363,328. EDWARD E. JOHNSON, INC., St. Paul, Minn. Filed Apr. 2, 1935.



For Well Points.

Claims use since Mar. 18, 1933.

CLASS 24

Laundry Appliances and Machines

Ser. No. 363,865. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1935.

"FIRST LADY"

For Electric Irons, Electric Washing Machines and Electric Ironers.

Claims use since January, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 360,187. TOEPLITZ PRODUCTIONS LIMITED, London, England. Filed Jan. 12, 1935.



The words "From London to the World" are disclaimed apart from the mark shown.

For Cinematograph Films, With or Without Sound Tracks, Being Transparencies for Exhibition.

Claims use since July 1, 1934.

Ser. No. 362,643. WEBER COSTELLO CO., Chicago Heights, Ill. Filed Mar. 16, 1935.

DUO-GRAPHIC

For Globes.

Claims use since May 25, 1932.

CLASS 27

Horological Instruments

Ser. No. 363,457. R. GSELL & CO., INC., New York, N. Y. Filed Apr. 6, 1935.

MT VERNON

For Watches and Parts Thereof, Watch Cases, Watch Attachments, and Watch Movements.

Claims use since Jan. 5, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 362,117. A. LAITNER & SONS, Detroit, Mich. Filed Mar. 4, 1935.

RED-WING

For Floor Brushes.

Claims use since Feb. 15, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 361,222. SERVEL, INC., New York, N. Y. Filed Feb. 9, 1935.

SERVEL

For Refrigerators, Refrigerator Parts, Automatic Refrigerators, Automatic Refrigerating Parts, and Refrigerating Systems for the Preservation of Foodstuffs and Like Purposes.

Claims use since July 15, 1922.

Ser. No. 363,865. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1935.

"FIRST LADY"

For Electric Refrigerators.

Claims use since January, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 348,784. SCHACHT RUBBER MANUFACTURING CO., Huntington, Ind. Filed Mar. 17, 1934.

PERFECT SEAL



No claim is made to the term "Perfect Seal" apart from the mark as shown, nor to either word alone.

For Jar Rings and Rubbers.

Claims use since October, 1926.

Ser. No. 360,041. THE PEP BOYS—MANNY, MOE & JACK, doing business as Cornell Tire & Rubber Company, Philadelphia, Pa., and Chicopee Falls, Mass. Filed Jan. 8, 1935.

CORNELL CAVALCADE

For Automobile and Vehicle Tires and Inner Tubes Constructed of Rubber and Rubberized Fabric.

Claims use since Dec. 1, 1934.

Ser. No. 362,330. THERMOID RUBBER COMPANY, Trenton, N. J. Filed Mar. 9, 1935.

Thermo-block

No claim is made to the word "Block" apart from the mark.

For Brake Blocks.

Claims use since Feb. 19, 1935.

Ser. No. 362,722. LEAH ZIET, doing business as Paramount Sales Company, Brooklyn, N. Y. Filed Mar. 18, 1935.



The drawing is lined for blue.

For Belting for Power Transmission Made of Leather, Fabric, Rubber or Combinations Thereof, Radiator Hose, Air Hose, Windshield Hose, Rubber Patches for Tires and Tubes.

Claims use since Dec. 31, 1932.

Ser. No. 362,877. MARSHALL ASBESTOS CORPORATION, Troy, N. Y. Filed Mar. 22, 1935.

ECLIPSE BRAKE LININGS

Applicant disclaims the words "Brake Linings" apart from the mark as shown.

For Brake Lining.

Claims use since July 6, 1934.

CLASS 37

Paper and Stationery

Ser. No. 362,676. EAGLE PENCIL COMPANY, New York, N. Y. Filed Mar. 18, 1935.

RED CIRCLE

For Rubber Erasers.

Claims use since December, 1934.

Ser. No. 362,876. DAVID KAHN, INC., North Bergen, N. J. Filed Mar. 22, 1935.

Supreme

For Fountain Pens, Mechanical Pencils, Pen and Pencil Sets, Rubber Erasers, Pencil Leads, and Pen Points.

Claims use since May, 1933.

Ser. No. 363,186. ROYAL LACE PAPER WORKS, Brooklyn, N. Y. Filed Mar. 29, 1935.

ROYLEDGE

For Shelf Papers, Shelf Edgings of Paper, Lace Papers, Paper Doilies, Paper Napkins, Fancy Printed and Embossed Paper in Rolls and Sheets, and Tissue Paper.

Claims use since Mar. 25, 1935.

Ser. No. 363,571. WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Apr. 9, 1935.

TAR HEEL

For Gummed Tape.
Claims use since Feb. 13, 1934.

Ser. No. 363,608. WHITING-PLOVER PAPER COMPANY, Stevens Point, Wis. Filed Apr. 10, 1935.

PERMANIZED

For Bond, Ledger, Writing, and Printing Paper.
Claims use since Feb. 1, 1935.

Ser. No. 363,738. BADGER TISSUE MILLS, Kaukauna, Wis. Filed Apr. 15, 1935.

BEAUTY-LIN

For Toilet Paper, Napkins, Towels, and Table Covers Made of Paper.
Claims use since Dec. 10, 1934.

CLASS 38

Prints and Publications

Ser. No. 361,580. REPORTER PUBLISHING COMPANY, Abilene, Tex. Filed Feb. 19, 1935.

ABILENE MORNING REPORTER-NEWS

For Newspaper Published Sunday Morning Only.
Claims use since Sept. 1, 1926.

Ser. No. 362,345. BERNARD EDWARD CALLAHAN, Chicago, Ill. Filed Mar. 11, 1935.

Who's Who IN THE AMERICAN LEAGUE

For Books Pertaining to Baseball Periodically Issued.
Claims use since Feb. 27, 1935.

Ser. No. 362,346. BERNARD EDWARD CALLAHAN, Chicago, Ill. Filed Mar. 11, 1935.

Who's Who IN THE NATIONAL LEAGUE

For books Pertaining to Baseball Periodically Issued.
Claims use since Feb. 28, 1935.

Ser. No. 362,987. ASSOCIATED PUBLICATIONS, INC., Kansas City, Mo. Filed Mar. 26, 1935.

THE MODERN THEATRE and its Furnishings

For Section or Department of a Periodical.
Claims use since July 27, 1933.

Ser. No. 363,366. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 3, 1935.

ROBIN HOOD



For Cartoon Series.
Claims use since Mar. 24, 1935.

Ser. No. 363,592. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 10, 1935.

HOME SWEET HOME

For Cartoon Series.
Claims use since Mar. 31, 1935.

Ser. No. 363,766. HERBERT D. SEIBERT & CO., INC., New York, N. Y. Filed Apr. 15, 1935.

FINANCIAL REPORTER

For Daily Publication.
Claims use since Apr. 11, 1934.

Ser. No. 363,780. AMERICAN NEWSPAPERS, INC., New York, N. Y. Filed Apr. 16, 1935.

AUTO-GRAPHS By THE CAR SHOPPER

For Newspaper Section.
Claims use since Apr. 3, 1935.

CLASS 39

Clothing

Ser. No. 352,603. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed June 13, 1934.

BLOSSOM BEAUTIES

For Bloomers; and Women's Pantees, Step-Ins, Pantalets; and Drawers; and Men's, Women's, and Children's Undersuits of Knitted and Woven Fabrics; and Pajamas, Bathing Suits, Gymnasium Bloomers, Running Pants, Knickers, Rompers, and Creepers.
Claims use since Feb. 10, 1925.

Ser. No. 357,224. BOTANY WORSTED MILLS, Passaic, N. J. Filed Oct. 18, 1934. Under section 5b of the act of 1905 as amended in 1920.

Botany

For Neckties, Scarfs, Mufflers, Lounging Robes, Bath Robes, and Sportswear as follows for Men, Women, and Children: Shirts Made of Worsted, Sweaters, and Vests.
Claims use since Nov. 4, 1931, on neckties; since Oct. 1, 1932, on scarfs and mufflers; since Sept. 1, 1933, on lounging robes and bath robes; since May 10, 1933, on shirts made of worsted; since Apr. 16, 1934, on sweaters and vests.

Ser. No. 358,004. GOLDSTEIN MILLINERY COMPANY, Chicago, Ill. Filed Nov. 3, 1934.

POPPY HATS

The word "Hats" is disclaimed.
For Hats for Women, Misses, and Children.
Claims use since Feb. 20, 1931.

Ser. No. 358,802. MYLISH, MANN & DRUCKER, Philadelphia, Pa. Filed Nov. 28, 1934.

RITZ Durotex

For Dress Shirts.
Claims use since Oct. 24, 1934.

Ser. No. 360,552. JACOB SOLOMON, New York, N. Y. Filed Jan. 22, 1935.

SURFTOGS

The words "Surf Togs" are disclaimed apart from the mark as shown.
For Men's, Women's, and Children's Swim Suits.
Claims use since Jan. 5, 1933.

Ser. No. 361,099. LOEWENSTEIN BROS. INC., New York, N. Y. Filed Feb. 6, 1935.

PRINCESS CRYSTELLA

For Ladies' Neckwear—Namely, a Bow Having Triple Ruffles of Mousseline de Sole Edged with Lace.
Claims use since Jan. 2, 1935.

Ser. No. 361,320. NANNETTE MANUFACTURING CO., Philadelphia, Pa. Filed Feb. 12, 1935.

NANNETTE toddlers

For Children's Dresses, Boys' Suits, Play-Togs, and Children's Beach Wear Including Sun Suits and Play Suits.
Claims use since Dec. 26, 1934.

Ser. No. 361,379. BLACKER BROTHERS, INC., New York, N. Y. Filed Feb. 14, 1935.

Streamline CLOTHES

The word "Clothes" is disclaimed apart from the mark.
For Men's Outer Clothing—Namely, Suits, Coats, Pants, Vests, Topcoats, and Overcoats, and Not Including Men's and Boys' Negligee and Dress Shirts and Pajamas.
Claims use since Nov. 20, 1934.

Ser. No. 361,473. NATHAN NEUMAN, doing business as Nathan Neuman Company, Philadelphia, Pa. Filed Feb. 16, 1935.

SWIMCRAFT

For Swimming Trunks, Bathing Suits, and Bathing Jerseys.
Claims use since Aug. 1, 1934.

Ser. No. 361,623. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Feb. 20, 1935.

PRO-LOGUE

For Brassieres, Bandeaux, Corsets, Corselets, and Girdles.
Claims use since Jan. 30, 1935.

Ser. No. 361,848. M. NIRENBERG SONS, INC., New York, N. Y. Filed Feb. 26, 1935.

Troy-Tex

For Men's and Boys' Dress Shirts.
Claims use since Jan. 1, 1935.

Ser. No. 361,897. CHARLES E. MILENS, Kansas City, Mo. Filed Feb. 27, 1935.



No claim is made to the words "The Shoe Air Cushioned" and the representation of a shoe apart from the mark shown.
For Shoes Constructed of Leather, Rubber, and Fabric, and Combinations of Such Materials.
Claims use since Jan. 21, 1935.

Ser. No. 361,972. LAKEWOOD SHIRT CORPORATION, New York, N. Y. Filed Feb. 28, 1935.

Guilford Custom-Bilt

No claim is made to the term "Custom-Bilt" apart from the mark as shown.

For Dress, Negligee, and Work Shirts, and Pajamas.

Claims use since Sept. 1, 1934.

Ser. No. 361,986. SHELBURNE SHIRT COMPANY, New York, N. Y. Filed Feb. 28, 1935.

EVERECT

For Men's and Boys' Dress, Negligee, and Work Shirts.

Claims use since Feb. 1, 1935.

Ser. No. 362,038. WORTH AND WORTH, LTD., New York, N. Y. Filed Mar. 1, 1935.



For Hats and Caps for Men; Neckties, Scarfs, and Cravats; Dress and Negligee Shirts; Underwear, Such as Shirts, Drawers, and Union Suits, Made of Knitted, Netted and Textile Fabrics for Men; Pajamas Made of Textile Fabrics; Topcoats and Overcoats; Sweaters, Sweater-Coats, and Bathing Suits; Gloves of Silk and Leather Fabrics; and Hosiery.

Claims use since February, 1935.

Ser. No. 362,085. JOSEPH M. GREEN, Brooklyn, N. Y. Filed Mar. 2, 1935.

ELL DUR-ARTO
KNITSEAM

Applicant disclaims the term "Knitseam" apart from the mark as shown.

For Ladies', Misses', and Children's Sweaters.

Claims use since August, 1934.

Ser. No. 362,132. WOLVERINE KNITTING MILLS, Bay City, Mich. Filed Mar. 4, 1935.

Flex-Knit

No claim is made to the word "Knit" apart from the mark shown.

For Polo Shirts and Underwear for Men, Women, and Children.

Claims use since Feb. 1, 1935.

Ser. No. 362,257. IRELAND BROTHERS, Johnstown, N. Y. Filed Mar. 8, 1935.

DOECELLE

For Men's, Women's, and Children's Gloves of Leather and/or Fabric.

Claims use since Jan. 1, 1934.

Ser. No. 362,258. IRELAND BROTHERS, Johnstown, N. Y. Filed Mar. 8, 1935.

PIGTEXT

For Men's, Women's, and Children's Gloves of Leather and/or Fabric.

Claims use since Jan. 1, 1932.

Ser. No. 362,454. MAX BODNER, Paterson, N. J. Filed Mar. 13, 1935.

Gracetred

For Men's, Women's, and Children's Shoes, Made of Leather, Rubber, Fabrics, and Combinations Thereof.

Claims use since Feb. 1, 1935.

Ser. No. 362,456. BUSCARLET GLOVE COMPANY, INC., New York, N. Y. Filed Mar. 13, 1935.

VELVO

For Leather Gloves.

Claims use since Feb. 1, 1935.

Ser. No. 362,458. DOMINICK FINE SHOES, INC., New York, N. Y. Filed Mar. 13, 1935.



The words "Custom made shoes" are disclaimed apart from the mark shown.

For Men's Leather, Fabric, or Combinations of Leather and Fabric Shoes.

Claims use since Oct. 9, 1934.

Ser. No. 362,479. MAY HOSIERY MILLS, Nashville, Tenn. Filed Mar. 13, 1935.



For Hosiery.

Claims use since August, 1934.

Ser. No. 362,586. MAIMAN-SANGER, INC., New York, N. Y. Filed Mar. 15, 1935.

TOWNDALE

For Women's Dresses, Suits, and Coats.

Claims use since Mar. 9, 1935.

Ser. No. 362,601. SCHUYLKILL VALLEY MILLS, INC., Spring City, Pa. Filed Mar. 15, 1935.

T-A-G

For Hosiery.

Claims use since May 4, 1934.

Ser. No. 362,615. GREGORY & READ COMPANY, Lynn, Mass. Filed Mar. 16, 1935.

Hexette

For Women's Boots, Shoes, and Slippers Made Wholly or in Part of Leather and Fabric.

Claims use since Mar. 1, 1935.

Ser. No. 362,679. GOLDBLATT BROS., INC., Chicago, Ill. Filed Mar. 18, 1935.



For Overalls.

Claims use since Mar. 8, 1934.

Ser. No. 362,700. MILFORD SHOE COMPANY, Milford, Mass. Filed Mar. 18, 1935.

EXTREFLEX

For Boots and Shoes of Leather, Rubber, Fabric, and Combinations Thereof.

Claims use since Feb. 26, 1935.

Ser. No. 363,078. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 27, 1935.

ULTRACALE

For Men's Negligee Shirts, Shorts, and Pajamas.

Claims use since Sept. 5, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 350,676. BULLOCK'S, INC., Los Angeles, Calif. Filed Apr. 30, 1934.



For Blankets, Towels, Table Linens, Sheets, Pillow Cases, and Mattress Pads.

Claims use since Apr. 4, 1934.

Ser. No. 360,534. GILMAN-RAPPAPORT SILK CORP., New York, N. Y. Filed Jan. 22, 1935.

Glorified Prints

No claim is made to the words "Fabrics" and "Prints" apart from the mark shown.

For Textile Fabrics—Namely, Piece Goods of Silk and Rayon.

Claims use since Oct. 24, 1934.

Ser. No. 361,628. NEW YORK KNITTING MILLS, INC., New York, N. Y. Filed Feb. 20, 1935.

Valcuna

For Knitted Fabrics of Wool and Mixtures of Wool and Animal Hair.

Claims use since October, 1931.

CLASS 43

Thread and Yarn

Ser. No. 362,737. T. BUETTNER & CO. INC., Chicago, Ill. Filed Mar. 19, 1935.

FAIRYSHEEN

For Yarns and Threads for Crocheting and Knitting.

Claims use since Dec. 18, 1934.

Ser. No. 363,093. FITCHBURG YARN COMPANY, Fitchburg, Mass. Filed Mar. 28, 1935.

SASEFLAKE

For Yarns.

Claims use since Mar. 1, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 362,870. DUART MANUFACTURING COMPANY, LTD., San Francisco, Calif. Filed Mar. 22, 1935.

212

For Electrical Heater Used with Permanent Hair Waving Machines.
Claims use since Oct. 8, 1934.

Ser. No. 363,005. MATHEW & ROSELL, INC., New York, N. Y. Filed Mar. 26, 1935.

CAST-TECK CROWN

The words "Cast" and "Crown" are not claimed apart from the mark.
For Metal Tooth Crowns.
Claims use since June 7, 1929.

Ser. No. 363,038. THE DELONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Mar. 27, 1935.

D-N

For Sanitary Napkins.
Claims use since Feb. 1, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 360,596. H. KOHNSTAMM & Co. INC., New York, N. Y. Filed Jan. 23, 1935.

SILVER ARROW



The drawing is lined for silver.
For Extracts and Flavors for Making Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 9, 1935.

Ser. No. 360,597. H. KOHNSTAMM & Co. INC., New York, N. Y. Filed Jan. 23, 1935.

GOLDEN GRAIL



The cup appears in gold.
For Extracts and Flavors for Making Nonalcoholic, Maltless Beverages, Sold as Soft Drinks.
Claims use since Jan. 9, 1935.

Ser. No. 360,648. SCHWARTZ GINGER ALE COMPANY, INC., doing business as Log Cabin Mineral Water Co., San Francisco, Calif. Filed Jan. 24, 1935.



For Nonalcoholic Maltless Beverages Sold as Soft Drinks and Mineral Water.
Claims use since June 12, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 341,569. LOUIS POLETTI, doing business as Davenport Producers Association, and United Artichoke Growers of California, Davenport, Calif. Filed Sept. 13, 1933.

Fog-Belt

For Fresh Vegetables.
Claims use since July 1, 1933.

Ser. No. 343,694. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed Nov. 15, 1933.

PHOTOPAX

For Glacé Fruit.
Claims use since Oct. 20, 1933.

Ser. No. 349,276. THE FAGAN CORPORATION, New York, N. Y. Filed Mar. 29, 1934.



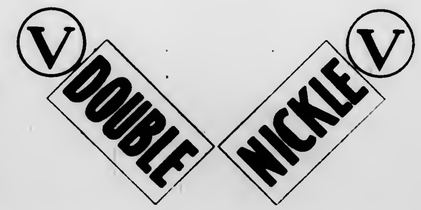
For Marmalade, Jam, Jelly, Conserve, Pepper, Spices, Seasonings, Catsup, Vegetable Sauce, Worcestershire Sauce, Pepper Sauce, Horseradish, Chili Sauce, Tomato Relish, Pepper Relish, Pickle Relish, Chutney, Mustard Pickles, Sweet Pickles, Preserved Fruits, Dried Fruits, Frozen Fruits, Flavorings, Spices, Table Syrups, Vegetable Oils, Salad Oils, Mayonnaise, Honey, Baking Powder, Cornstarch, Rice, Spaghetti, Macaroni, Canned Vegetables, Dried Vegetables, Frozen Vegetables, Vegetable Juices, Fruit Juices, Cheese, Butter, Eggs, Milk, Ice-Cream, Bread, Rolls, Cakes, Crackers, Pies; Wheat, Rye, Buckwheat, and Corn Flour; Cereal Breakfast Foods, Gelatine, Shredded Cocoanut, Canned Fish, Olives, Table Salt, Candies, Apple Butter, Nut Kernels, All as Used for Food Purposes.
Claims use since Dec. 1, 1932.

Ser. No. 354,803. MARITIME STORES CORPORATION, New York, N. Y. Filed Aug. 9, 1934.



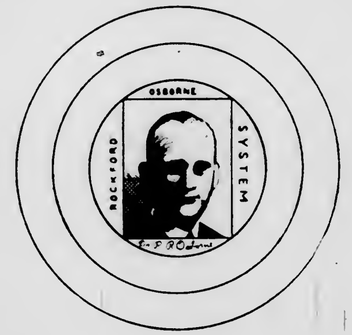
For Food Products—Namely, Cereal Breakfast Foods, Coffee, Tea, Cheese, Cocoa, Canned Vegetables, Canned Fruits, Dried Fruits, Butter, and Eggs.
Claims use since July 25, 1934.

Ser. No. 356,498. ROSCOE R. SEILING, doing business as The Double Nickle Company, Lamar, Colo. Filed Sept. 26, 1934.



Applicant disclaims the term "Nickle" apart from the mark as shown.
For Frozen Confections.
Claims use since Sept. 1, 1934.

Ser. No. 356,958. R. RANDLE OSBORNE, doing business as Osborne System Specialties, Rockford, Ill. Filed Oct. 10, 1934.



The term "Rockford" is disclaimed apart from the mark as shown. The portrait is that of applicant.
For Modified Milk for Babies.
Claims use since Aug. 27, 1934.

Ser. No. 357,611. WIMPY GRILLS, INC., Chicago, Ill. Filed Oct. 27, 1934.



For Sandwiches, Roasted and Toasted Meats—Namely, Beef and Pork.
Claims use since Sept. 12, 1934.

Ser. No. 357,687. ABON STREIT, New York, N. Y. Filed Oct. 30, 1934.



All words except "Streit's" are disclaimed apart from the mark as shown.

For Matzoths, Whole Wheat Matzoths, Hygienic Matzoths, Sweet Tea Matzoths, Matzoth Meal, Egg Matzoths, and Hygienic Egg Matzoths.

Claims use since Jan. 1, 1927.

Ser. No. 357,841. W. F. SCHRAFFT & SONS CORPORATION, Boston, Mass. Filed Nov. 2, 1934.



For Candy.

Claims use since June 11, 1932.

Ser. No. 360,549. PIONEER SALT COMPANY, Philadelphia, Pa. Filed Jan. 22, 1935.

PUROCK SALT

"CRYSTALS of PURITY"

No claim is made to the words "Salt" or "Crystals of Purity" apart from the mark as shown.

For Salt.

Claims use since Jan. 2, 1935.

Ser. No. 361,056. ROBERT LEONARD JOHNSON, doing business as Star Biscuit Company, San Antonio, Tex. Filed Feb. 5, 1935.



For Food Product Being a Cooked Cereal Food, Baked and Toasted, Having as Its Principal Ingredient Whole Wheat Flour.

Claims use since Dec. 27, 1934.

Ser. No. 361,205. CENTRAL WISCONSIN CANNERIES, INC., Beaver Dam, Wis. Filed Feb. 9, 1935.

Tem-ting

For Canned Peas.

Claims use since May 1, 1934.

Ser. No. 361,428. MAWER-GULDEN-ANNIS INC., Brooklyn, N. Y. Filed Feb. 15, 1935.



The drawing is lined for black, yellow, and red.

For Olives, Olive Oil, Bottled Cherries, and Canned Fish.

Claims use since July 1, 1907.

Ser. No. 362,179. E. F. KEMP INC., Sommerville, Mass. Filed Mar. 6, 1935.

A la carte

For Candy.

Claims use since Feb. 20, 1935.

Ser. No. 362,373. MOR-PAK PRESERVING CORP., Stockton, Calif. Filed Mar. 11, 1935.

BLUE TILE

For Canned Fruits and Vegetables.

Claims use since Feb. 28, 1935.

Ser. No. 362,573. HALES & HUNTER CO., Chicago, Ill. Filed Mar. 15, 1935.



No claim is made to the word "Dog" apart from the mark as shown.

For Dog Food.

Claims use since Feb. 13, 1932.

Ser. No. 362,833. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill. Filed Mar. 21, 1935.

PRUNO-HONEE

No claim is made to the word "Honee" apart from the association shown.

For Bread.

Claims use since Mar. 15, 1935.

Ser. No. 363,143. ALAMO CITRUS ASSOCIATION, Alamo, Tex. Filed Mar. 29, 1935.

Neon

For Citrus Fruits.

Claims use since Sept. 1, 1933.

Ser. No. 363,144. ALAMO CITRUS ASSOCIATION, Alamo, Tex. Filed Mar. 29, 1935.

NUMA

For Citrus Fruits.

Claims use since Sept. 1, 1933.

Ser. No. 363,434. LOBLAW GROCETERIAS, INC., Buffalo, N. Y. Filed Apr. 5, 1935.

HIGH-PARK

For Butter, Eggs, Coffee, and Tea.

Claims use since Mar. 1, 1926, on butter and coffee; since Mar. 1, 1933, on eggs; since Mar. 18, 1935, on tea.

Ser. No. 363,464. THE JOHN MUELLER LICORICE COMPANY, Cincinnati, Ohio. Filed Apr. 6, 1935.

MIDNITES

For Licorice Confections.

Claims use since June 18, 1924.

CLASS 47

Wines

Ser. No. 360,640. LES SUCCESSEURS DE GRATIEN & MEYER, Beaulieu, near Saumur, France. Filed Jan. 24, 1935.

CHAMPAGNE

Alfred Gratien

Epernay

CUVÉE SPÉCIALE

All wording is disclaimed except the monogram "AG".

For Champagne Wines.

Claims use since Dec. 28, 1933.

Ser. No. 361,484. SOC. AN. S C A L A, Naples, Italy. Filed Feb. 16, 1935.

IMBOTTIGLIATO ALL'ORIGINE

SCALA

GIUSEPPE SCALA

SOC. AN. SCALA

NAPOLI (ITALY)

The outline of the labels and the words "Imbottigliato All'Origine—Napoli (Italy)" are disclaimed apart from the mark as shown. The facsimile signature is that of Giuseppe Scala.

For Wines.

Claims use since Feb. 1, 1860.

Ser. No. 361,485. SOC. AN. SCALA, Naples, Italy. Filed Feb. 16, 1935.



The outline of the labels and the words "Imbottigliato All'Origine—Napoli (Italy)" are disclaimed apart from the mark. The facsimile signature is that of Pasquale Scala.

For Wines.

Claims use since Feb. 1, 1860.

Ser. No. 361,486. SOC. AN. SCALA, Naples, Italy. Filed Feb. 16, 1935.



The outline of the labels and the words "Imbottigliato All'Origine—Napoli (Italy)" are disclaimed apart from the mark. The facsimile signature is that of J. Rouff.

For Wines.

Claims use since Feb. 1, 1860.

Ser. No. 362,960. GARRETT & COMPANY, Brooklyn, N. Y. Filed Mar. 25, 1935.

Southern Hospitality

For Wines.

Claims use since Mar. 18, 1935.

Ser. No. 363,149. K. ARAKELIAN, INC., Madera, Calif. Filed Mar. 29, 1935.

Regalo del Sol

For Wines.

Claims use since May 2, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 359,628. THE NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Dec. 24, 1934.

The Famous Narragansett

For Malt Beverages with Not More Than the Legal Alcoholic Content.

Claims use since December, 1891.

Ser. No. 359,664. THE NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Dec. 26, 1934.



For Malt Beverages with Not More Than the Legal Alcoholic Content.

Claims use since December, 1891.

Ser. No. 362,996. FOREST CITY BREWERY, INC., Cleveland, Ohio. Filed Mar. 26, 1935.

Waldorf Samson Bräu

Applicant disclaims the word "Bräu" apart from the mark as shown.

For Lager Beer.

Claims use since Dec. 7, 1933.

Ser. No. 363,359. F. PAUL BALESTRIERI, Tarrs, Pa. Filed Apr. 3, 1935.

GERMAN-PRINCE

For Beer and Ale.

Claims use since Feb. 15, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 346,495. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Filed Jan. 25, 1934.

Old Tucker



For Whiskey, Brandy, Gin, Rum, and Other Distilled Potable Spirits.

Claims use since 1900.

Ser. No. 349,824. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba. Filed Apr. 11, 1934.

BACARDI - COCKTAIL

Applicant is the owner of registration No. 310,654. No claim is made to the word "Cocktail" apart from the mark as shown.

For Rum, Whiskey, Brandy, Gin, Alcoholic Cordials, and Cocktails.

Claims use since Apr. 2, 1934.

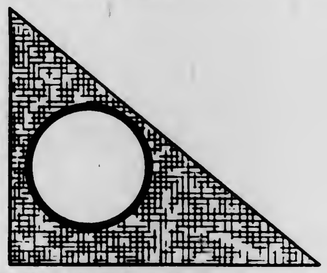
Ser. No. 351,252. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Filed May 12, 1934. Under 10-year proviso.

OLD TUCKER RESERVE

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.

Claims use since 1894.

Ser. No. 352,849. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba. Filed June 19, 1934.



The drawing is lined for gold.

For Whiskey, Brandy, Gin, Alcoholic Cordials, and Rum.

Claims use since 1887.

Ser. No. 354,771. JUSTO GONZALEZ Y CIA., S. A., Havana, Cuba. Filed Aug. 8, 1934.

REY DE COPAS

For Cognac, Brandy.

Claims use since April, 1925.

Ser. No. 356,080. ANTHONY PARACHINI, Cliffside Park, N. J. Filed Sept. 15, 1934.

N-E-THING

For Brandy, Whiskey, Alcoholic Bitters, Rum, Alcoholic Cordials and Gin.

Claims use since Sept. 4, 1934.

Ser. No. 359,845. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Jan. 2, 1935.

HOLE IN ONE

For Whiskey.

Claims use since Dec. 24, 1934.

Ser. No. 360,591. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Jan. 21, 1935.



CLUB HILL

No claim is made to the words "Baltimore, Md." apart from the mark shown.

For Whiskey.

Claims use since Jan. 16, 1935.

Ser. No. 361,452. CAPITOL WINE & SPIRIT CORP., New York, N. Y. Filed Feb. 16, 1935.



For Gin, Whiskey, and Brandy.

Claims use since July 10, 1934.

Ser. No. 361,884. THE HAMBURGER COMPANY, Chicago, Ill. Filed Feb. 27, 1935. Under 10-Year Proviso.



HOFFMAN HOUSE

For Whiskey.

Claims use since 1893.

Ser. No. 362,046. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



No claim is made to any wording except the monogram "DAS" and applicant's name apart from the mark shown.
For Whiskey.
Claims use since Aug. 1, 1934.

Ser. No. 362,047. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



No claim is made to any wording except applicant's name apart from the mark shown.
For Whiskey.
Claims use since Aug. 1, 1934.

Ser. No. 362,048. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



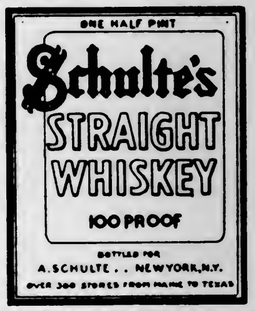
No claim is made to any wording except "Schulte De Luxe", the letter "S", and applicant's name apart from the mark shown. The drawing is lined for red.
For Whiskey.
Claims use since Aug. 1, 1934.

Ser. No. 362,049. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



No claim is made to any wording except "Schulte's Old Hick" and applicant's name apart from the mark shown.
For Apple Jack.
Claims use since Aug. 1, 1934.

Ser. No. 362,050. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



No claim is made to any wording except "Schulte's" and "A. Schulte" apart from the mark shown. The drawing is lined for red.
For Whiskey.
Claims use since Aug. 1, 1934.

Ser. No. 362,051. D. A. SCHULTE, INC., New York, N. Y. Filed Mar. 1, 1935.



No claim is made to any wording except "Schulte's" and applicant's name apart from the mark shown.
For Rum.
Claims use since Aug. 1, 1934.

Ser. No. 362,083. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 2, 1935.



"Cumberland Club" is disclaimed apart from the mark shown.
For Whiskey.
Claims use since January, 1934.

Ser. No. 362,173. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed Mar. 6, 1935.



Disclaimer is made of all the wording.
For Rum.
Claims use since February, 1934.

Ser. No. 362,256. HILL-LUTHY CO., Peoria, Ill. Filed Mar. 8, 1935.



No claim is made to the word "Club" apart from the mark shown.
For Whiskey.
Claims use since Dec. 1, 1934.

Ser. No. 362,278. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md. Filed Mar. 8, 1935.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 18, 1934.

Ser. No. 362,333. WEXMAR LIQUOR CO., INC., Chicago, Ill. Filed Mar. 9, 1935.

My Counselor

For Whiskey.
Claims use since Mar. 7, 1934.

Ser. No. 362,357. FRANKLIN STORES CO., Newark, N. J. Filed Mar. 11, 1935.



For Whiskey, Rum, Gin, Brandy, and Alcoholic Cordials.
Claims use since Jan. 3, 1934.

Ser. No. 362,718. MARIO P. TRIBUNO, New York, N. Y. Filed Mar. 18, 1935.

RUM'gnac

The word "Rum" is disclaimed apart from the mark as shown.

For Distilled Alcoholic Beverages Consisting of Brandy and Rum.

Claims use since Mar. 7, 1935.

Ser. No. 362,946. CORONA CORPORATION OF CALIFORNIA Los Angeles, Calif. Filed Mar. 25, 1935.

FALLBROOK

For Whiskey.

Claims use since Aug. 4, 1934.

Ser. No. 363,307. THE THOMAS WARD INSTILLING COMPANY INCORPORATED, Westminster, Md. Filed Apr. 1, 1935.

Officers' Reserve

For Whiskey.

Claims use since Mar. 15, 1935.

Ser. No. 363,567. SHOREHAM COPPER CO. INC., Washington, D. C. Filed Apr. 9, 1935.

SPORTING CLUB

No claim is made to the word "Club" apart from the mark.

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials

Claims use since Aug. 29, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 360,929. FABRIX, INC., Chicago, Ill. Filed Feb. 1, 1935.

FABRIX

For Mats Composed of Rubber and Fabric.

Claims use since Nov. 15, 1934.

Ser. No. 362,607. ASHER & BORETZ, INC., New York, N. Y. Filed Mar. 16, 1935.

Aerosheen

For Artificial Leather Made of Textile and Cloth.

Claims use since January, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 21, 1935

324,404. LUBRICATING OILS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.

Filed January 22, 1935. Serial No. 360,553. PUBLISHED MARCH 12, 1935. Class 15.

324,405. ICE CREAM AND FROZEN CONFECTIONS. FROZEN CONFECTIONS, INC., New York, N. Y.

Filed January 22, 1935. Serial No. 360,533. PUBLISHED MARCH 12, 1935. Class 46.

324,406. REFINED, SEMIREFINED, AND UNREFINED OIL MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL SUBSTANCE FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. AUSTIN OIL CORPORATION, Detroit, Mich.

Filed January 22, 1935. Serial No. 360,521. PUBLISHED MARCH 12, 1935. Class 15.

324,407. MEN'S AND BOYS' SUITS, OVERALLS, AND JACKETS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.

Filed January 25, 1935. Serial No. 360,664. PUBLISHED MARCH 12, 1935. Class 39.

324,408. HARMONICAS. MOSES ZWIEBEL, New York, N. Y.

Filed January 24, 1935. Serial No. 360,659. PUBLISHED MARCH 12, 1935. Class 36.

324,409. WRITING, PRINTING, LEDGER, RECORD, ENVELOPE, BOOK, ANNOUNCEMENT, INVITATION, AND COVER PAPERS, ENVELOPES, CARDBOARDS AND BRISTOL BOARDS, AND TISSUE PAPER. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.

Filed January 24, 1935. Serial No. 360,652. PUBLISHED MARCH 5, 1935. Class 37.

324,410. COMFORT BATTING. TAYLOR BEDDING MFG. CO., Taylor, Tex.

Filed January 24, 1935. Serial No. 360,649. PUBLISHED MARCH 12, 1935. Class 1.

324,411. STEEL. W. J. HOLLIDAY & CO., Indianapolis, Ind.

Filed January 24, 1935. Serial No. 360,635. PUBLISHED MARCH 12, 1935. Class 14.

324,412. CANDY. DIAMENT INC., Chicago, Ill.

Filed January 24, 1935. Serial No. 360,628. PUBLISHED MARCH 12, 1935. Class 46.

324,413. ARTIFICIAL LEATHER. BROWN COMPANY, Portland, Maine, and Berlin, N. H.

Filed January 24, 1935. Serial No. 360,620. PUBLISHED MARCH 12, 1935. Class 50.

324,414. HOSIERY. THE WINDSOR MILLS, INC., Philadelphia, Pa.

Filed January 23, 1935. Serial No. 360,612. PUBLISHED MARCH 5, 1935. Class 39.

324,415. GRAPHITE. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.

Filed January 21, 1935. Serial No. 360,515. PUBLISHED MARCH 12, 1935. Class 1.

324,416. MACHINES FOR PROTECTING BANK CHECKS AND OTHER NEGOTIABLE PAPERS. SAFEGUARD, INC., New York, N. Y.

Filed January 28, 1935. Serial No. 360,606. PUBLISHED MARCH 12, 1935. Class 23.

324,417. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.

Filed January 23, 1935. Serial No. 360,593. PUBLISHED MARCH 5, 1935. Class 38.

324,418. WRAPPING PAPER. RHINELANDER PAPER COMPANY, Rhinelander, Wis.

Filed January 22, 1935. Serial No. 360,561. PUBLISHED MARCH 5, 1935. Class 37.

324,419. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING BURNING, POWER, FUEL, AND LUBRICATING PURPOSES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.

Filed January 22, 1935. Serial No. 360,554. PUBLISHED MARCH 12, 1935. Class 15.

324,420. ANNUAL OR YEARLY PUBLICATION IN THE NATURE OF AN ALMANAC OF THE MOTION PICTURE INDUSTRY. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.

Filed January 21, 1935. Serial No. 360,488. PUBLISHED MARCH 12, 1935. Class 38.

324,421. HOSIERY AND LINGERIE—NAMELY, SLIPS, CHEMISES, PAJAMAS, BLOOMERS, VESTS, DANCE SETS, GOWNS, PANTIES, STEP-INS, BRASSIERES FOR THE USE OF WOMEN AND GIRLS. SILVER LADY HOSIERY CO., New York, N. Y.

Filed December 5, 1934. Serial No. 358,951. PUBLISHED MARCH 5, 1935. Class 39.

324,422. STOCK AND POULTRY FEEDS. PHILIP R. PARK, INC., San Pedro, Calif.

Filed December 5, 1934. Serial No. 358,947. PUBLISHED MARCH 12, 1935. Class 46.

324,423. STOCK AND POULTRY FEEDS. PHILIP R. PARK, INC., San Pedro, Calif.

Filed December 5, 1934. Serial No. 358,946. PUBLISHED MARCH 12, 1935. Class 46.

324,424. AUTOMATIC POCKET, TABLE, AND AUTOMOBILE LIGHTERS PYROPHONIC IN CHARACTER, FOR CIGARS AND CIGARETTES. BENNO LÖWENTHAL, Zurich, Switzerland.

Filed December 4, 1934. Serial No. 358,885. PUBLISHED MARCH 12, 1935. Class 34.

324,425. GASKETS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.

Filed November 30, 1934. Serial No. 358,801. PUBLISHED MARCH 12, 1935. Class 35.

324,426. ALE. THE NATIONAL BREWERIES, LIMITED, Montreal, Quebec, Canada.

Filed November 27, 1934. Serial No. 358,683. PUBLISHED MARCH 12, 1935. Class 48.

324,427. CHOCOLATE CANDIES. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.

Filed November 24, 1934. Serial No. 358,582. PUBLISHED MARCH 12, 1935. Class 46.

324,428. ANNUAL OR YEARLY PUBLICATION RELATING PARTICULARLY TO AN ANALYTICAL SURVEY OF MOTION PICTURES. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.

Filed January 21, 1935. Serial No. 360,487. PUBLISHED MARCH 12, 1935. Class 38.

324,429. SHEETS OF ACETATE, PYROXYLIN AND PHENOL DERIVATIVE AND SYNTHETIC PLASTIC MATERIALS HAVING THEIR SURFACES DECORATED WITH DESIGNS USUALLY IN COLORS AND HAVING IRREGULAR WHITISH, MIST-LIKE PORTIONS OVER THE COLORED DESIGNS. GEMLOID CORPORATION, New York, N. Y.

Filed November 23, 1934. Serial No. 358,552. PUBLISHED MARCH 12, 1935. Class 1.

324,430. LINIMENT FOR USE AS A COUNTERIRRITANT FOR MUSCULAR ACHES, NEURALGIA, SPRAINS, BRUISES, AND SIMPLE HEADACHES. THE GEORGE H. RUNDLE COMPANY, Piqua, Ohio.
Filed January 19, 1935. Serial No. 360,426. PUBLISHED MARCH 5, 1935. Class 6.

324,431. ANIMAL AND LIVE STOCK FEED. ARTHUR C. KNIGHT, doing business as Continental Mills, Chicago, Ill.
Filed January 18, 1935. Serial No. 360,411. PUBLISHED MARCH 12, 1935. Class 46.

324,432. BEESWAX. HARRISON REFINING CO., INC., New York, N. Y.
Filed November 22, 1934. Serial No. 358,520. PUBLISHED MARCH 5, 1935. Class 6.

324,433. FRESH VEGETABLES, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, AND GRAPES. SAM ANDREWS, Los Angeles, Calif.
Filed January 18, 1935. Serial No. 360,393. PUBLISHED MARCH 12, 1935. Class 46.

324,434. COAL. CLYDE E. SPEER COAL CO., INC., Pittsburgh, Pa.
Filed November 21, 1934. Serial No. 358,503. PUBLISHED MARCH 12, 1935. Class 1.

324,435. LADIES' SILK HOSIERY. THE MAY DEPARTMENT STORES COMPANY, doing business as The May Company, Baltimore, Md., Cleveland, Ohio, Denver, Colo., and Los Angeles, Calif.; Famous-Barr Company, St. Louis, Mo.; and M. O'Neil Company, Akron, Ohio.
Filed November 20, 1934. Serial No. 358,441. PUBLISHED MARCH 5, 1935. Class 39.

324,436. ALMANACS PUBLISHED FROM TIME TO TIME. JAMES TALCOTT, INC., New York, N. Y.
Filed January 17, 1935. Serial No. 360,382. PUBLISHED MARCH 12, 1935. Class 38.

324,437. ELECTRIC LIGHTING FIXTURES OF THE PENDANT AND CEILING TYPES. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y.
Filed January 17, 1935. Serial No. 360,365. PUBLISHED MARCH 12, 1935. Class 21.

324,438. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 15, 1935. Serial No. 360,295. PUBLISHED MARCH 12, 1935. Class 15.

324,439. COMPOUND USED FOR PERMANENT HAIR WAVING. THE NESTLE-LEMUR COMPANY, New York, N. Y.
Filed January 15, 1935. Serial No. 360,289. PUBLISHED MARCH 12, 1935. Class 6.

324,440. PAINTS (READY-MIXED OR LIQUID, PASTE, FIRM AND DRY), PAINT ENAMELS, LACQUERS, AND DRY COLORS, FOR USE IN PAINTS, PAINT ENAMELS, AND LACQUERS. IRVING KEVELSON, New York, N. Y.
Filed January 15, 1935. Serial No. 360,282. PUBLISHED MARCH 5, 1935. Class 16.

324,441. CLEAR AND CLOUDY AMMONIA. GRISTEDE BROS. INC., New York, N. Y.
Filed January 15, 1935. Serial No. 360,274. PUBLISHED MARCH 5, 1935. Class 6.

324,442. BEER. FRONTENAC BREWERIES, LIMITED, Montreal, Quebec, Canada.
Filed November 20, 1934. Serial No. 358,433. PUBLISHED MARCH 12, 1935. Class 48.

324,443. DENTAL PLATE CLEANER. UNITED DRUG COMPANY, Boston, Mass.
Filed January 14, 1935. Serial No. 360,253. PUBLISHED MARCH 5, 1935. Class 4.

324,444. DETERGENT AND POLISHING MATERIALS—NAMELY, A PREPARATION FOR CLEANING UPHOLSTERY, RUGS, CARPETS, AUTOMOBILE TOPS, AND THE LIKE. MILTON A. SHERMAN, doing business as Sherman Products Company, Chicago, Ill.
Filed November 19, 1934. Serial No. 358,408. PUBLISHED MARCH 5, 1935. Class 4.

324,445. MUSICAL STRING, WIND, AND PERCUSSION INSTRUMENTS CONSISTING OF VIOLINS, GUITARS, UKELELES, MANDOLINS, BANJOS, TENOR BANJOS, BANJO MANDOLINS, ETC. TARG AND DINNER, INC., Chicago, Ill.
Filed November 16, 1934. Serial No. 358,304. PUBLISHED MARCH 12, 1935. Class 36.

324,446. CINEMATOGRAPHIC PROJECTORS, CINEMATOGRAPHIC CAMERAS, STEREOPTICONS, STEREOPTICON SLIDES, PROJECTING LANTERNS, ETC. VICTOR ANIMATOGRAPH CORPORATION, Davenport, Iowa.
Filed December 8, 1932. Serial No. 332,901. PUBLISHED OCTOBER 17, 1933. Class 26.

324,447. AIR CONDITIONERS FOR DOMESTIC AND SIMILAR USE, AND OIL BURNING DIRECT FIRED AIR HEATING UNITS AND INDIRECT AIR HEATING UNITS. WOOD HYDRAULIC HOIST AND BODY COMPANY, Detroit, Mich.
Filed July 13, 1934. Serial No. 353,870. PUBLISHED MARCH 12, 1935. Class 34.

324,448. PHOTOGRAPHIC PRINTS. THRIFTY DRUG CO LTD., Los Angeles, Calif.
Filed January 14, 1935. Serial No. 360,252. PUBLISHED MARCH 12, 1935. Class 38.

324,449. WHITE SHOE CLEANER. THE NU-DI PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 14, 1935. Serial No. 360,240. PUBLISHED MARCH 5, 1935. Class 4.

324,450. PAINTS—NAMELY, READY-MIXED PAINTS, AND READY-TO-MIX PAINTS, VARNISHES, AND LAQUERS. NORFOLK PAINT & VARNISH COMPANY, Quincy and Atlantic, Mass.
Filed January 14, 1935. Serial No. 360,239. PUBLISHED MARCH 5, 1935. Class 16.

324,451. ALKALINE DIURETICS. NI-TONE COMPANY, Minneapolis, Minn.
Filed January 14, 1935. Serial No. 360,237. PUBLISHED MARCH 12, 1935. Class 6.

324,452. DEODORANT. KOTEX COMPANY, Chicago, Ill., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.
Filed January 14, 1935. Serial No. 360,229. PUBLISHED MARCH 12, 1935. Class 6.

324,453. TABLE GAME PLAYED WITH MINIATURE PLAYING CARDS ON A CHECKERBOARD DESIGN PLAYING FIELD. THE CHECARD COMPANY, Minneapolis, Minn.
Filed January 14, 1935. Serial No. 360,213. PUBLISHED MARCH 12, 1935. Class 22.

324,454. SYNTHETIC OIL FOR USE IN THE INDUSTRIAL ARTS SUCH AS IN THE MANUFACTURE OF LINOLEUM, OIL CLOTH, SHADE CLOTH, PRINTING INKS AND THE LIKE. BECK, KOLLER & CO., INC., Detroit, Mich.
Filed January 14, 1935. Serial No. 360,202. PUBLISHED MARCH 12, 1935. Class 6.

324,455. CIGARETTE CONTAINERS. SAKS & COMPANY, New York, N. Y.
Filed January 12, 1935. Serial No. 360,183. PUBLISHED MARCH 12, 1935. Class 8.

324,456. ALL KINDS OF WINES. DOMENICO ANGHILERI, Malgrate, Italy.
Filed July 13, 1934. Serial No. 353,837. PUBLISHED MARCH 12, 1935. Class 47.

324,457. BASE METAL AND PLATED BASE METAL TABLE AND KITCHEN HOLLOW WARE—NAMELY, CAKE PLATES AND BREAD TRAYS, WITH OR WITHOUT HANDLES, FOLDING DISHES OR PLATES, PLATES, PLATTERS, ETC. BRUCE-HUNT, INC., Chicago, Ill.
Filed June 29, 1934. Serial No. 353,423. PUBLISHED MARCH 12, 1935. Class 13.

324,458. CANDY. PAUL F. BEICH COMPANY, Bloomington, Ill.
Filed June 29, 1934. Serial No. 353,316. PUBLISHED AUGUST 21, 1934. Class 46.

324,459. LOOSE LEAF BINDERS. HALL & MCCHESNEY, INC., Syracuse, N. Y.
Filed June 23, 1934. Serial No. 353,066. PUBLISHED MARCH 12, 1935. Class 37.

324,460. RUM. SOCIETE ANONYME DES RHUMS CHAUVET & DE LA COMPAGNIE DES ANTILLES, Le Havre, France.
Filed June 22, 1934. Serial No. 353,042. PUBLISHED JULY 31, 1934. Class 49.

324,461. METAL RUG HOLDER CLIPS. JOHN W. MUMFORD, doing business as Del-Dia Mfg. Co., Philadelphia, Pa.
Filed June 6, 1934. Serial No. 352,324. PUBLISHED MARCH 12, 1935. Class 13.

324,462. PREPARED BREAKFAST FOOD OF THE CEREAL TYPE MADE FROM WHEAT, WHEAT FLOUR, OATMEAL, MUFFIN FLOUR, AND CORN MEAL. EDNA M. FORSHEE, doing business as Grandfather's Milling Company, Fairgrove, Mich.
Filed June 1, 1934. Serial No. 352,136. PUBLISHED SEPTEMBER 4, 1934. Class 46.

324,463. CANNED CORN. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed May 31, 1934. Serial No. 352,093. PUBLISHED MARCH 12, 1935. Class 46.

324,464. COLE'S CARBOLIZED SALVE FOR SOOTHING RECTAL IRRITATIONS, MINOR BURNS, SCALDS, AND CUTS, CHAPPED HANDS, SUNBURN, FROSTBITES, RELIEVING ITCHING SKIN AND FOR USE IN SUCH CONDITIONS OF THE SKIN REQUIRING APPLICATION OF A SOOTHING OINTMENT. THE J. W. COLE COMPANY, Rockford, Ill.
Filed May 29, 1934. Serial No. 352,032. PUBLISHED MARCH 5, 1935. Class 6.

324,465. MEDICINAL PREPARATION IN LIQUID FORM ADAPTED TO BE INJECTED INTO THE PERSON FOR THE TREATMENT OF NEURASTHENIA, NEURALGIC PAINS, GASTRALGIA, BUBO, SLEEPLESSNESS, ETC. MAX A. JOFFE, doing business as Joffe's Institute of Biological Research, Los Angeles, Calif.
Filed December 28, 1931. Serial No. 322,485. PUBLISHED MARCH 12, 1935. Class 6.

324,466. INSECTICIDE. CENTRAL CITY CHEMICAL COMPANY, Chicago, Ill.
Filed October 21, 1931. Serial No. 320,251. PUBLISHED JANUARY 5, 1932. Class 6.

324,467. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed March 15, 1934. Serial No. 348,657. PUBLISHED APRIL 17, 1934. Class 49.

324,468. WHISKEY. J. G. THOMSON AND COMPANY, LIMITED, Leith, Edinburgh, Scotland.
Filed March 14, 1934. Serial No. 348,618. PUBLISHED SEPTEMBER 4, 1934. Class 49.

324,469. WHISKEY. THE K. TAYLOR DISTILLING CO. INC., Frankfort, Ky.
Filed March 14, 1934. Serial No. 348,617. PUBLISHED JULY 10, 1934. Class 49.

324,470. LAUNDRY STARCH. WESCO FOODS COMPANY, Cincinnati, Ohio.
Filed March 12, 1934. Serial No. 348,535. PUBLISHED MARCH 5, 1935. Class 6.

324,471. WHISKEY. LAWRENCE & COMPANY, INC., Boston, Mass.
Filed March 12, 1934. Serial No. 348,494. PUBLISHED MAY 1, 1934. Class 49.

324,472. PROTECTIVE COATING SOLUTIONS OF CELLULOSE ESTERS COMPRISING LACQUERS. BUFFALO CELLULOSE INC., Buffalo, N. Y.
Filed February 23, 1934. Serial No. 347,715. PUBLISHED MARCH 12, 1935. Class 16.

324,473. WINES. MAISON F. CHAUVENET, S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,615. PUBLISHED SEPTEMBER 4, 1934. Class 47.

324,474. CRACKERS AND COOKIES. CINCINNATI CAKE & SPECIALTY COMPANY, doing business as Independent Biscuit Co., Cincinnati, Ohio.
Filed February 17, 1934. Serial No. 347,494. PUBLISHED MARCH 12, 1935. Class 46.

324,475. BEER. CARONDELET BREWING COMPANY, St. Louis, Mo.
Filed January 29, 1934. Serial No. 346,679. PUBLISHED APRIL 3, 1934. Class 48.

324,476. MILK, CREAM, BUTTER, AND CHEESE. SPARKS DAIRY, INC., Buffalo, N. Y.
Filed January 22, 1934. Serial No. 346,382. PUBLISHED MARCH 12, 1935. Class 46.

324,477. BEER. NORTHAMPTON BREWERY CORPORATION, Philadelphia, Pa.
Filed February 5, 1935. Serial No. 361,058. PUBLISHED MARCH 12, 1935. Class 48.

324,478. COIN CONTROLLED AMUSEMENT APPARATUS. GENCO, INC., Chicago, Ill.
Filed February 4, 1935. Serial No. 361,010. PUBLISHED MARCH 12, 1935. Class 22.

324,479. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed February 4, 1935. Serial No. 361,002. PUBLISHED MARCH 12, 1935. Class 22.

324,480. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed February 4, 1935. Serial No. 361,001. PUBLISHED MARCH 12, 1935. Class 22.

324,481. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed February 4, 1935. Serial No. 360,999. PUBLISHED MARCH 12, 1935. Class 22.

324,482. MODEL AND TOY AIRPLANE KITS AND MODEL AIRPLANES, AND TOY SPINNING TOPS. DONALD F. DUNCAN, INC., Chicago, Ill.
Filed January 31, 1935. Serial No. 360,952. PUBLISHED MARCH 12, 1935. Class 22.

324,483. VISCOSITY INDICATING AND CONTROLLING INSTRUMENTS. STERLING ENGINE COMPANY, Buffalo, N. Y.
Filed January 30, 1935. Serial No. 360,862. PUBLISHED MARCH 12, 1935. Class 26.

324,484. AUTOMOBILE TIRES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 30, 1935. Serial No. 360,859. PUBLISHED MARCH 12, 1935. Class 35.

324,485. GAME OF THE QUOIT TYPE. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed January 29, 1935. Serial No. 360,818. PUBLISHED MARCH 12, 1935. Class 22.

324,486. RADIATOR STOP LEAK COMPOUNDS. NEVEROIL BEARING COMPANY, Wakefield, Mass.
Filed January 12, 1935. Serial No. 360,179. PUBLISHED MARCH 12, 1935. Class 6.

324,487. INSECTICIDES. MCCORMICK & COMPANY, INC., Baltimore, Md.
Filed January 12, 1935. Serial No. 360,178. PUBLISHED MARCH 5, 1935. Class 6.

324,488. RADIATOR STOP LEAK COMPOUNDS. FEDERAL METALLIC PACKING COMPANY, Wakefield, Mass.
Filed January 12, 1935. Serial No. 360,168. PUBLISHED MARCH 5, 1935. Class 6.

324,489. LADIES' DRESSES. VLADIMIR VASKOV, doing business as Hollywood Dress Shoppe, St. Louis, Mo.
Filed January 11, 1935. Serial No. 360,152. PUBLISHED MARCH 5, 1935. Class 39.

324,490. COMBINATION CLOSETS AND FLUSH TANKS. UNIVERSAL SANITARY MANUFACTURING CO., New Castle, and Taylor Township, Lawrence County, Pa.
Filed January 11, 1935. Serial No. 360,150. PUBLISHED MARCH 12, 1935. Class 13.

324,491. PREPARATION FOR THE TREATMENT OF SKIN AFFLICTIONS, ECZEMA, PILES, ITCHING, AND THE LIKE, AND LOTION FOR THE SKIN. THERRAULT PRODUCTS, New York, N. Y.
Filed January 11, 1935. Serial No. 360,146. PUBLISHED MARCH 5, 1935. Class 6.

324,492. DUPLICATING PAPER, BOND, AND TYPEWRITER PAPER. OREGON PULP AND PAPER COMPANY, Salem, Oreg.
Filed January 11, 1935. Serial No. 360,141. PUBLISHED MARCH 5, 1935. Class 37.

324,493. PAPER PATTERNS FOR GARMENTS. THE NEW YORK PATTERN COMPANY, INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,139. PUBLISHED MARCH 12, 1935. Class 26.

324,494. HAIR TONIC. ZULANDO, INC., Bloomfield, N. J.
Filed January 10, 1935. Serial No. 360,116. PUBLISHED MARCH 5, 1935. Class 6.

324,495. COMPOUND IN POWDER FORM USED TO RELIEVE FOOT TROUBLES, PERSPIRATION UNDER ARMS, BURNS, AND ITCHING. FRANCIS E. NEWLON, doing business as Newlon's, Colome, S. Dak.
Filed January 10, 1935. Serial No. 360,104. PUBLISHED MARCH 5, 1935. Class 6.

324,496. WALL COATING OR PAINT FOR INTERIOR AND EXTERIOR USE. JOSEPH WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa.
Filed January 10, 1935. Serial No. 360,089. PUBLISHED MARCH 5, 1935. Class 16.

324,497. CANNED YOUNGBERRIES. SEEMAN BROTHERS, INC., New York, N. Y.
Filed January 9, 1935. Serial No. 360,082. PUBLISHED MARCH 12, 1935. Class 46.

324,498. MEDICINAL JELLY APPLICATOR. JOSEPH C. SMITH, doing business as Cola-Gyn Laboratories, Kansas City, Kans.
Filed January 9, 1935. Serial No. 360,085. PUBLISHED MARCH 12, 1935. Class 44.

324,499. ARCH SUPPORTS, AND APPLIANCES FOR THE RELIEF OF CORNS, BUNIONS, CALLOUSES, AND OTHER FOOT AILMENTS. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill.
Filed January 9, 1935. Serial No. 360,079. PUBLISHED MARCH 12, 1935. Class 44.

324,500. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, KNITTED SPORT SHIRTS, PAJAMAS, AND SHORTS. F. JACOBSON & SONS, New York, N. Y.
Filed January 9, 1935. Serial No. 360,069. PUBLISHED MARCH 5, 1935. Class 39.

324,501. READY-MIXED PAINT. FRANK BOWNES COMPANY, Chelsea, Mass.
Filed January 9, 1935. Serial No. 360,063. PUBLISHED MARCH 5, 1935. Class 16.

324,502. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASE. WILLARD H. REED, doing business as W. H. Reed & Company, Atlanta, Ga.
Filed January 8, 1935. Serial No. 360,043. PUBLISHED MARCH 12, 1935. Class 44.

324,503. MAGNIFYING GLASSES. KARL G. FRANK, New York, N. Y.
Filed January 8, 1935. Serial No. 360,028. PUBLISHED MARCH 12, 1935. Class 26.

324,504. COFFEE. EDWARD M. SWING, doing business as M. E. Swing Company, Washington, D. C.
Filed January 21, 1935. Serial No. 360,504. PUBLISHED MARCH 12, 1935. Class 46.

324,505. COFFEE. THE WEIDEMAN CO., Cleveland, Ohio.
Filed January 21, 1935. Serial No. 360,509. PUBLISHED MARCH 12, 1935. Class 46.

324,506. AMMUNITION, PARTICULARLY METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT, AND BULLETS. THE PETERS CARTRIDGE COMPANY, Kings Mills, Ohio, and Bridgeport, Conn.
Filed February 6, 1935. Serial No. 361,113. PUBLISHED MARCH 12, 1935. Class 9.

324,507. TOILET LOTION—NAMELY, AN EMOLLIENT LOTION FOR INFLAMED SURFACES EITHER CUTANEOUS OR MUCOUS. CHARLES F. ULRICH, doing business as The Toiletine Company, Greenfield, Mass.
Filed October 19, 1934. Serial No. 357,311. PUBLISHED MARCH 5, 1935. Class 6.

324,508. LIPSTICKS, ROUGE, AND FACE POWDER. SAVAGE, INC., Chicago, Ill., assignor to Tattoo, Inc., Chicago, Ill., a corporation of Illinois.
Filed October 20, 1934. Serial No. 357,352. PUBLISHED MARCH 5, 1935. Class 6.

324,509. PREPARATION FOR COLDS AND HEADACHES. BINCO COMPANY, Terre Haute, Ind.
Filed October 30, 1934. Serial No. 357,661. PUBLISHED MARCH 5, 1935. Class 6.

324,510. NEWSPAPER ARTICLES. GEORGE HERMAN RUTH, New York, N. Y.
Filed November 2, 1934. Serial No. 357,836. PUBLISHED MARCH 5, 1935. Class 38.

324,511. OIL OF WHEAT GERM PREPARED FOR USE IN MEDICINE AND PHARMACY AND FOR VETERINARY PURPOSES AS A CORRECTION FOR DIETARY DEFICIENCY. VITAMINS LIMITED, London, England.
Filed November 2, 1934. Serial No. 357,844. PUBLISHED MARCH 5, 1935. Class 6.

324,512. FRESH POTATOES. RED RIVER POTATO COMPANY, East Grand Forks, Minn.
Filed November 5, 1934. Serial No. 357,922. PUBLISHED MARCH 12, 1935. Class 46.

324,513. MANICURE FILES, PICKS AND PUSHERS, MANICURE SCISSORS AND SHEARS. GENERAL CUTLERY CORPORATION, Fremont, Ohio.
Filed November 6, 1934. Serial No. 357,948. PUBLISHED MARCH 12, 1935. Class 44.

324,514. MEDICINES, COSMETICS, AND PHARMACEUTICAL PREPARATIONS CONSISTING OF THE FOLLOWING: MENTHOL RUB, ALL PURPOSE CREAM, ALMOND LOTION, ASTRINGENT LOTION, BAY RUM, BRILLIANTINE, CASTILE HAIR TONIC, CASTILE SHAMPOO, ETC. BERG & NATHAN CO., Chicago, Ill.
Filed November 12, 1934. Serial No. 358,119. PUBLISHED MARCH 12, 1935. Class 6.

324,515. PREPARATION FOR THE REMOVAL OF DANDRUFF AND THE GROWTH OF HAIR. SUPERIOR PRODUCTS, INC., Louisville, Ky.
Filed November 12, 1934. Serial No. 358,163. PUBLISHED MARCH 12, 1935. Class 6.

324,516. PREPARATION FOR COMBATTING VERMIN OF ANIMAL AND VEGETABLE ORIGIN. CHEMISCHE FABRIK MARIENFELDE, G. M. B. H., Berlin-Marienfelde, Germany.
Filed November 15, 1934. Serial No. 358,237. PUBLISHED MARCH 5, 1935. Class 6.

324,517. ANALGESIC. L. E. COPE PRODUCTS CO., Cleveland, Ohio.
Filed November 15, 1934. Serial No. 358,240. PUBLISHED MARCH 12, 1935. Class 6.

324,518. SALVE FOR THE TREATMENT OF BURNS, BRUISES, BOILS, CUTS, SCALDS, AND RUNNING SORES. BEACH & PARKER, Rose Hill, Iowa.
Filed January 8, 1935. Serial No. 360,023. PUBLISHED MARCH 5, 1935. Class 6.

324,519. MEN'S CLOTHING—NAMELY, SUITS, COATS, OVERCOATS, VESTS, AND PANTS. TAVENDALE, INC., New York, N. Y.
Filed December 20, 1934. Serial No. 359,527. PUBLISHED MARCH 12, 1935. Class 39.

324,520. HOSIERY FOR WOMEN. COOPER, WELLS & COMPANY, St. Joseph, Mich.
Filed December 20, 1934. Serial No. 359,508. PUBLISHED MARCH 12, 1935. Class 39.

324,521. MEDICINAL PREPARATION FOR THE TREATMENT OF COLDS, NEURALGIA, HEADACHES, AND MUSCULAR ACHES. MASTER LABORATORIES, INC., doing business as 30-30 Products Co., Omaha, Nebr.
Filed December 19, 1934. Serial No. 359,478. PUBLISHED MARCH 12, 1935. Class 6.

324,522. ALE. THE NATIONAL BREWERIES, LIMITED, Montreal, Quebec, Canada.
Filed December 18, 1934. Serial No. 359,436. PUBLISHED MARCH 12, 1935. Class 48.

324,523. STOUT. THE NATIONAL BREWERIES, LIMITED, Montreal, Quebec, Canada.
Filed December 18, 1934. Serial No. 359,434. PUBLISHED MARCH 12, 1935. Class 48.

3 2 4 , 5 2 4. FOOD PRODUCTS—NAMELY, CANNED FRUITS, DRIED FRUITS, CANNED VEGETABLES, CANNED FISH, SALTED FISH, DRIED FISH, OLIVES, SPICES. WISKIND BROS., INC., Newark, N. J.
Filed December 17, 1934. Serial No. 359,415. PUBLISHED MARCH 12, 1935. Class 46.

324,525. COSMETICS AND DEPILATORIES—NAMELY, COLD CREAM, VANISHING CREAM, CLEANSING CREAM, AND LIQUID DEPILATORY PREPARATIONS. JOAN JEWELL, INC., New York, N. Y.
Filed December 14, 1934. Serial No. 359,307. PUBLISHED MARCH 5, 1935. Class 6.

324,526. LIQUID AND WAX POLISH FOR FURNITURE, AUTOMOBILES, AND OTHER PAINTED, VARNISHED OR ENAMELED SURFACES. STAIN-OX COMPANY, Roselle, N. J.
Filed December 13, 1934. Serial No. 359,283. PUBLISHED MARCH 5, 1935. Class 16.

324,527. PACKAGES OF PREPARED COAL. THE BLUE RIBBON PACKAGE FUEL CO., Cleveland, Ohio.
Filed December 13, 1934. Serial No. 359,270. PUBLISHED MARCH 12, 1935. Class 1.

324,528. CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed December 18, 1934. Serial No. 359,265. PUBLISHED MARCH 12, 1935. Class 17.

324,529. COD LIVER OIL FOR MEDICINAL PURPOSES. BENJAMIN RIZZOTTO, New York, N. Y.
Filed December 12, 1934. Serial No. 359,242. PUBLISHED MARCH 5, 1935. Class 6.

324,530. THERAPEUTIC PRODUCTS—NAMELY, TABLETS AND CAPSULES FOR ADMINISTRATION IN CONNECTION WITH THE TREATMENT OF ACUTE CORYZA AND RHINITIS. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 12, 1934. Serial No. 359,205. PUBLISHED MARCH 5, 1935. Class 6.

324,531. PAPER IMPREGNATED OR COATED, HIGHLY LIGHT-TRANSMITTING AND SUITABLE FOR TRACING, WRAPPING PURPOSES AND SIMILAR USES, OR HIGHLY TRANSLUCENT AND LIGHT DIFFUSING AND SUITABLE FOR LAMP AND WINDOW SHADES, ILLUMINATED SIGNS, DIPLOMAS, GREETING CARDS, ARTIFICIAL PARCHMENT AND LIKE USES. THE MANTLE LAMP COMPANY OF AMERICA, Chicago, Ill.
Filed April 23, 1934. Serial No. 350,343. PUBLISHED MARCH 5, 1935. Class 37.

324,532. WINES—NAMELY, STILL BURGUNDY, BORDEAUX, AND SPARKLING WINES. J. CALVET & CIE., S. A. R. L., Bordeaux, France.
Filed April 19, 1934. Serial No. 350,175. PUBLISHED MARCH 12, 1935. Class 47.

324,533. SUGAR. COMPAÑIA AZUCARERA DE GUINES, Guines City, Cuba.
Filed April 14, 1934. Serial No. 349,968. PUBLISHED JUNE 26, 1934. Class 46.

324,534. PASTE CLEANER FOR PAINTED, VARNISHED, AND ENAMELED SURFACES AND ALSO FOR CARPETS, RUGS, AND UPHOLSTERY. CLEAN SURFACE PRODUCTS COMPANY, Chicago, Ill.
Filed April 9, 1934. Serial No. 349,709. PUBLISHED MARCH 5, 1935. Class 4.

324,535. CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN. TRAY & NOVELTY CORPORATION, New York, N. Y.
Filed December 12, 1934. Serial No. 359,245. PUBLISHED MARCH 19, 1935. Class 39.

324,536. CUTLERY, (FORKS, KNIVES, BUTCHER KNIVES, PARING KNIVES, SLICING KNIVES, CLEAVERS, COOK FORKS, TABLE KNIVES, FORKS, AND SPOONS, CARVING SETS), BEING MADE OF BASE METAL. NATIONAL SILVER COMPANY, New York, N. Y.
Filed December 22, 1934. Serial No. 359,587. PUBLISHED MARCH 12, 1935. Class 23.

324,537. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS AND OVERCOATS, AND FURNISHINGS—NAMELY, UNDERWEAR, HOSIERY, DRESS, NEGLIGEE, AND WORK SHIRTS, NECKTIES, LEATHER AND FABRIC GLOVES, AND HATS. BEN BEEKMAN, New Orleans, La.
Filed December 22, 1934. Serial No. 359,567. PUBLISHED MARCH 12, 1935. Class 39.

324,538. CLEANER FOR FURNITURE AND AUTOMOBILE UPHOLSTERY, TRAFFIC FILM REMOVER AND RUBBING COMPOUND. COLORGLO PRODUCTS, Whittier, Calif.
Filed December 21, 1934. Serial No. 359,537. PUBLISHED MARCH 5, 1935. Class 4.

324,539. ELECTRICAL FLASHLIGHT. UNITED STATES ELECTRIC MFG. CORP., New York, N. Y.
Filed December 24, 1934. Serial No. 359,638. PUBLISHED MARCH 12, 1935. Class 21.

324,540. METAL COFFEE POTS AND URNS. POLAR WARE COMPANY, Sheboygan, Wis.
Filed December 24, 1934. Serial No. 359,631. PUBLISHED MARCH 12, 1935. Class 13.

324,541. THERAPEUTIC PRODUCTS—NAMELY, A BACTERIOSTATIC AND DEODORIZING AGENT, ESPECIALLY ADAPTED FOR APPLICATION TO MUCOUS MEMBRANES. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 12, 1934. Serial No. 359,204. PUBLISHED MARCH 5, 1935. Class 6.

324,542. THERAPEUTIC PRODUCTS—NAMELY, TABLETS FOR ADMINISTRATION IN CONNECTION WITH THE TREATMENT OF INSOMNIA DUE TO PAIN, ESPECIALLY HEADACHE, NEURALGIA, NEURITIS, AND NERVOUSNESS. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 12, 1934. Serial No. 359,203. PUBLISHED MARCH 12, 1935. Class 6.

324,543. THERAPEUTIC PRODUCTS—NAMELY, TABLETS AND CAPSULES FOR ADMINISTRATION IN CONNECTION WITH THE TREATMENT OF OBESITY DUE TO DEFICIENT METABOLISM. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 12, 1934. Serial No. 359,202. PUBLISHED MARCH 5, 1935. Class 6.

3 2 4 , 5 4 4. THERAPEUTIC PRODUCTS — NAMELY, FLUIDS FOR INJECTION IN CONNECTION WITH THE TREATMENT OF CYSTITIS, EPIDIDYMITIS, ORCHITIS, PYELITIS, AND TONEMIAS. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed December 12, 1934. Serial No. 359,201. PUBLISHED MARCH 5, 1935. Class 6.

324,545. FACIAL DEVICES CONSISTING OF TWO SMALL TABS, ONE PLACED ON EACH SIDE OF FACE, ALONG SIDE OF THE EAR, AND CONNECTED BY ADJUSTING MEANS. ESTELLE H. BRINKMADE, New York, N. Y.
Filed December 11, 1934. Serial No. 359,170. PUBLISHED MARCH 12, 1935. Class 44.

324,546. INSECTICIDES. ANT-B-GON PRODUCTS COMPANY, Los Angeles, Calif.
Filed December 10, 1934. Serial No. 359,102. PUBLISHED MARCH 5, 1935. Class 6.

324,547. WOMEN'S AND MISSES' DRESSES, SMOCKS, APRONS, SKIRTS, BLOUSES, SLACKS, AND SHORTS. LA MODE GARMENT COMPANY, Chicago, Ill.
Filed December 10, 1934. Serial No. 359,133. PUBLISHED MARCH 5, 1935. Class 39.

324,548. CHILDREN'S CLOTHING—NAMELY, ONE, TWO, AND THREE PIECE SUITS, DRESSES, ROMPERS, OUTER SHORTS, BLOUSES, AND PAJAMAS MADE OF COTTON, WOOLEN, AND KNITTED FABRICS. STANDARD ROMPER CO., INC., New York, N. Y.
Filed December 7, 1934. Serial No. 359,058. PUBLISHED MARCH 12, 1935. Class 39.

324,549. COMIC DRAWINGS PUBLISHED IN A SERIES IN A NEWSPAPER. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed December 6, 1934. Serial No. 359,016. PUBLISHED MARCH 12, 1935. Class 38.

324,550 ETHYL ALCOHOL, PURE COMMERCIAL ETHYL ALCOHOL, AND ANHYDROUS ETHYL ALCOHOL. ROSSVILLE COMMERCIAL ALCOHOL CORPORATION, New York, N. Y., assignor to Commercial Solvents Corporation, New York, N. Y., a corporation of Maryland.
Filed August 10, 1934. Serial No. 354,870. PUBLISHED OCTOBER 30, 1934. Class 49.

324,551. COLUMN OF A NEWSPAPER OR MAGAZINE AND FOR BOOKLETS PUBLISHED FROM TIME TO TIME. JOSEPH F. MONTAGUE, New York, N. Y.
Filed August 6, 1934. Serial No. 354,692. PUBLISHED MARCH 12, 1935. Class 38.

324,552. COMPOSITION OF MATTER IN THE NATURE OF PAINT FOR COATING FLOORS, WALLS, CEILINGS OF WAREHOUSES, RAILWAY CARS, ETC. THOMAS W. POTTER, doing business as The Stalnocide Company, Mattoon, Ill.
Filed August 1, 1934. Serial No. 354,523. PUBLISHED MARCH 12, 1935. Class 16.

324,553. COLUMN OF A NEWSPAPER OR MAGAZINE AND FOR BOOKLETS PUBLISHED FROM TIME TO TIME. JOSEPH F. MONTAGUE, New York, N. Y.
Filed August 6, 1934. Serial No. 354,690. PUBLISHED MARCH 5, 1935. Class 38.

324,554. VETERINARY MEDICINE FOR TREATMENT OF HORSES, CATTLE, SHEEP, SWINE, DOGS, CATS, AND CIRCUS ANIMALS, ETC. CARLTON D. BELL, doing business as Dr. Bell Wonder Medicine Co., Kingston, Ontario, Canada.
Filed May 29, 1934. Serial No. 352,025. PUBLISHED MARCH 5, 1935. Class 6.

324,555. WINES. WILLIAMS BROTHERS, LTD., Centerville, Calif.
Filed May 19, 1934. Serial No. 351,595. PUBLISHED AUGUST 21, 1934. Class 47.

324,556. WHISKEY. PHILIP BLUM & CO., INC., Chicago, Ill.
Filed May 19, 1934. Serial No. 351,542. PUBLISHED JUNE 20, 1934. Class 49.

324,557. WHISKEY. PENN-MARYLAND, INC., New York, N. Y.
Filed May 18, 1934. Serial No. 351,521. PUBLISHED JUNE 26, 1934. Class 49.

324,558. WHISKEY. RAMSHEAD DISTILLING CO., Chicago, Ill.
Filed May 14, 1934. Serial No. 351,330. PUBLISHED JUNE 19, 1934. Class 49.

324,559. CHEWING GUM. NATIONAL CHICLE COMPANY, Cambridge, Mass.
Filed May 12, 1934. Serial No. 351,275. PUBLISHED JUNE 19, 1934. Class 46.

324,560. PERIODICALS, VIZ, A MONTHLY PUBLICATION RELATING TO THE PROFESSION OF CHIROPODY. MASSACHUSETTS CHIROPODY ASSOCIATION, Rockland, Mass.
Filed April 28, 1934. Serial No. 350,640. PUBLISHED MARCH 5, 1935. Class 38.

324,561. WHISKY. JOHN GILLON & CO., LIMITED, Glasgow, Scotland.
Filed April 25, 1934. Serial No. 350,459. PUBLISHED MAY 29, 1934. Class 49.

324,562. SHORTENING. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,787. PUBLISHED MARCH 12, 1935. Class 46.

324,563. PERIODICAL PUBLICATIONS. ROTARY INTERNATIONAL, Chicago, Ill.
Filed January 28, 1935. Serial No. 360,791. PUBLISHED MARCH 5, 1935. Class 38.

324,564. MONTHLY PUBLICATION. TOWER TOWN TOPICS, INC., Chicago, Ill.
Filed January 26, 1935. Serial No. 360,739. PUBLISHED MARCH 5, 1935. Class 38.

324,565. NEGLIGEE SHIRTS AND COLLARS. THE MANHATTAN SHIRT CO., New York, N. Y.
Filed January 26, 1935. Serial No. 360,726. PUBLISHED MARCH 5, 1935. Class 39.

324,566. SKETCHES OF DESIGNS AND DETAILS FOR FURNITURE, HARDWARE, FABRICS, AND LIGHTING FIXTURES. GEORGE J. PIKE, Grand Rapids, Mich.
Filed January 26, 1935. Serial No. 360,724. PUBLISHED MARCH 5, 1935. Class 38.

324,567. PRINTED PERIODICAL. DUART MANUFACTURING COMPANY, San Francisco, Calif., assignor to Hollywood Publishing Company, San Francisco, Calif.
Filed January 26, 1935. Serial No. 360,717. PUBLISHED MARCH 5, 1935. Class 38.

324,568. LADIES' PURSES, HANDBAGS, AND POCKETBOOKS. THE HARLIC BAG CO., South Norwalk, Conn.
Filed January 26, 1935. Serial No. 360,716. PUBLISHED MARCH 12, 1935. Class 3.

324,569. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,709. PUBLISHED MARCH 12, 1935. Class 23.

324,570. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,708. PUBLISHED MARCH 12, 1935. Class 23.

324,571. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,707. PUBLISHED MARCH 12, 1935. Class 23.

324,572. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,706. PUBLISHED MARCH 12, 1935. Class 23.

324,573. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,704. PUBLISHED MARCH 12, 1935. Class 23.

324,574. SAFETY RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed January 26, 1935. Serial No. 360,703. PUBLISHED MARCH 12, 1935. Class 23.

324,575. FLUID MILK AND CREAM. BORDEN'S FARM PRODUCTS COMPANY, INC., New York, N. Y.
Filed January 26, 1935. Serial No. 360,698. PUBLISHED MARCH 12, 1935. Class 46.

324,576. SMOKING TOBACCO AND CIGARS AND CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed January 26, 1935. Serial No. 360,697. PUBLISHED MARCH 12, 1935. Class 17.

324,577. SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed January 26, 1935. Serial No. 360,696. PUBLISHED MARCH 12, 1935. Class 17.

324,578. HAIR FELT CARPET CUSHIONS AND HAIR FELT SEAT CUSHIONS. AMERICAN HAIR & FELT COMPANY, Chicago, Ill.
Filed January 26, 1935. Serial No. 360,695. PUBLISHED MARCH 12, 1935. Class 32.

324,579. HAIR FELT CARPET CUSHIONS AND HAIR FELT SEAT CUSHIONS. AMERICAN HAIR & FELT COMPANY, Chicago, Ill.
Filed January 26, 1935. Serial No. 360,694. PUBLISHED MARCH 12, 1935. Class 32.

324,580. BOOK AND ANNOUNCEMENT PAPERS INCLUDING SUPER, ENAMEL, ENGLISH FINISH, AND OFFSET. BRADNER SMITH & COMPANY, Chicago, Ill.
Filed April 6, 1934. Serial No. 349,608. PUBLISHED JULY 10, 1934. Class 37.

324,581. WINES. GROWERS WINE COMPANY, LIMITED, Victoria, British Columbia, Canada.
Filed March 26, 1934. Serial No. 349,132. PUBLISHED AUGUST 14, 1934. Class 47.

324,582. RUBBING ALCOHOL, ASPIRIN, PETROLEUM JELLY, FACE POWDER, EPSOM SALTS, AND CASTOR OIL. PLOUGH, INC., doing business as Twenty Grand Co., Memphis, Tenn.
Filed October 9, 1934. Serial No. 356,912. PUBLISHED MARCH 5, 1935. Class 6.

324,583. SPECIAL FERTILIZER REFERRED TO IN THE TRADE AS A CITRUS TONIC AND SERVING AS A SOIL CORRECTOR AND SOIL BUILDER AND RECOMMENDED FOR PROMOTING THE GROWTH OF DECLINED CITRUS TREES. THE GULF FERTILIZER COMPANY, Tampa, Fla.
Filed October 1, 1934. Serial No. 356,622. PUBLISHED MARCH 12, 1935. Class 10.

324,584. SHERRY. M. CUTLON, doing business as René Barbier, London, England.
Filed September 22, 1934. Serial No. 356,297. PUBLISHED MARCH 12, 1935. Class 47.

324,585. BREAD. ATLANTIC BAKING COMPANY, Detroit, Mich.
Filed December 24, 1934. Serial No. 359,645. PUBLISHED MARCH 12, 1935. Class 46.

324,586 MOTH AND INSECT PREVENTATIVES AND DISINFECTANTS. MILDRED HERMAN GEMMILL, doing business as Mothozone Company, New York, N. Y.
Filed December 27, 1934. Serial No. 359,700. PUBLISHED MARCH 5, 1935. Class 6.

324,587. PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, AND PAINT, ENAMEL, VARNISH, AND LACQUER FILLERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed December 27, 1934. Serial No. 359,705. PUBLISHED MARCH 5, 1935. Class 16.

324,588. RUBBER INNER TUBES FOR TIRES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed December 27, 1934. Serial No. 359,710. PUBLISHED MARCH 12, 1935. Class 35.

324,589. SHAVING CREAM AND SHAVING SOAP. TREET SAFETY RAZOR CORPORATION, Newark, N. J.
Filed December 28, 1934. Serial No. 359,735. PUBLISHED MARCH 5, 1935. Class 4.

324,590. NECKTIES, CRAVATS, AND SCARFS. COHAN, ROTH & STIFFSON, New York, N. Y.
Filed December 31, 1934. Serial No. 359,780. PUBLISHED MARCH 5, 1935. Class 39.

324,591. TRACTORS. THE FATE-ROOT-HEATH COMPANY, Plymouth, Ohio.
Filed December 31, 1934. Serial No. 359,787. PUBLISHED MARCH 12, 1935. Class 23.

324,592. PREPARATION FOR USE IN THE TREATMENT OF CONDITIONS INVOLVING DEFICIENT UTILIZATION IN THE BODY OF CALCIUM AND PHOSPHORUS, AS FOR EXAMPLE IN THE TREATMENT OF RICKETS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 31, 1934. Serial No. 359,811. PUBLISHED MARCH 12, 1935. Class 6.

324,593. PREPARATIONS FOR CREAMING ALE AND BEER. FREDERICK STEARNS & CO., Detroit, Mich.
Filed December 31, 1934. Serial No. 359,816. PUBLISHED MARCH 12, 1935. Class 48.

324,594. WOMEN'S DRESSES, COATS, AND SUITS. GERMAINE MONTEIL, INC., New York, N. Y.
Filed January 2, 1935. Serial No. 359,849. PUBLISHED MARCH 5, 1935. Class 39.

324,595. EYE WASHES, SKIN TONICS, REJUVENATING CREAM, ASTRINGENTS, CLEANSING OIL AND MAKE UP REMOVER. MYRTLE COLMAN, doing business as Screen Girl Beauty Products, New York, N. Y.
Filed September 12, 1934. Serial No. 355,963. PUBLISHED MARCH 5, 1935. Class 6.

324,596. TONIC FOR USE AS A LAXATIVE, ALTERATIVE, AND DIURETIC TO BE USED INTERNALLY. V. T. LABORATORIES, INC., Bessemer, Ala.
Filed January 2, 1935. Serial No. 359,870. PUBLISHED MARCH 12, 1935. Class 6.

324,597. MEDICINAL COMPOUND FOR THE TREATMENT OF COLDS, GRIPPE, PLEURISY, RHEUMATISM, ARTHRITIS, AND ACUTE INFLAMMATORY GLAND CONDITIONS, AS WELL AS FOR THE RELIEF OF ACUTE NEURALGIC PAINS, MIGRAINE, AND OTHER COMMON AILMENTS. CALVIN C. MARSHALL, Hendersonville, N. C.
Filed January 3, 1935. Serial No. 359,891. PUBLISHED MARCH 12, 1935. Class 6.

324,598. SOAPS. SOAPS-PERFUMES LIMITED, Toronto, Ontario, Canada.
Filed September 8, 1934. Serial No. 355,871. PUBLISHED FEBRUARY 26, 1935. Class 4.

324,599. CANE SYRUP AND MOLASSES. THE AMERICAN MOLASSES CO. OF NEW YORK, New York, N. Y.
Filed January 4, 1935. Serial No. 359,902. PUBLISHED MARCH 12, 1935. Class 46.

324,600. COSMETICS—NAMELY, LIPSTICK AND ROUGE. ELLA L. MOSELEY, Los Angeles, Calif.
Filed January 4, 1935. Serial No. 359,923. PUBLISHED MARCH 12, 1935. Class 6.

324,601. ELECTRIC THERAPEUTIC DEVICES. DR FRED URBUTEIT, Tampa, Fla.
Filed September 1, 1934. Serial No. 355,691. PUBLISHED MARCH 12, 1935. Class 44.

324,602. GUMMED PAPER TAPE. WESTERN WAXED PAPER COMPANY, Oakland, Calif., and Portland, Oreg.
Filed January 4, 1935. Serial No. 359,933. PUBLISHED MARCH 12, 1935. Class 37.

324,603. PERIODICAL. CREDIT PUBLISHING COMPANY, Minneapolis, Minn.
Filed January 5, 1935. Serial No. 359,947. PUBLISHED MARCH 12, 1935. Class 38.

324,604. MONTHLY PUBLICATION. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed August 31, 1934. Serial No. 355,612. PUBLISHED NOVEMBER 13, 1934. Class 38.

324,605. ACID RESISTANT PREPARATION FOR ETCHING HALF TONE PLATES. ERNEST SCHERER, doing business as Scherer Co., Minneapolis, Minn.
Filed January 5, 1935. Serial No. 359,961. PUBLISHED MARCH 5, 1935. Class 6.

324,606. MEN'S CLOTHING—NAMELY, COATS, VESTS, AND TROUSERS AND/OR SUITS OF ENSEMBLES THEREOF. HAMMONTON PARK CLOTHES, INC., New York, N. Y.
Filed January 5, 1935. Serial No. 359,953. PUBLISHED MARCH 5, 1935. Class 39.

324,607. PRESERVED FRUITS—NAMELY, CHERRIES, PINEAPPLE, AND CRYSTALLIZED GINGER. THE LIBERTY CHERRY & FRUIT CO., INCORPORATED, Covington, Ky.
Filed August 27, 1934. Serial No. 355,483. PUBLISHED MARCH 12, 1935. Class 46.

324,608. GLAZIER'S PUTTY, STIFF, DRY, PASTE, AND READY-MIXED PAINT, OILS USED FOR MANUFACTURING PAINTS, LACQUERS, LACQUER-PAINTS, AND VARNISHES. N. V. TOT VOORTZ. DER ZAKEN VAN PIETER SCHOEN & ZOON, Zaandam, Netherlands.
Filed August 7, 1933. Serial No. 340,305. PUBLISHED MARCH 12, 1935. Class 16.

324,609. LIQUID FUEL FOR COMPRESSION IGNITION MOTORS. SHELL OIL COMPANY, San Francisco, Calif.
Filed January 5, 1935. Serial No. 359,963. PUBLISHED MARCH 5, 1935. Class 15.

324,610. LIQUID FUEL FOR COMPRESSION IGNITION MOTORS. SHELL OIL COMPANY, San Francisco, Calif.
Filed January 5, 1935. Serial No. 359,964. PUBLISHED MARCH 5, 1935. Class 15.

324,611. MALT BEVERAGES HAVING NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. KINGS BREWERY INC., Brooklyn, N. Y.
Filed April 24, 1933. Serial No. 337,121. PUBLISHED SEPTEMBER 19, 1933. Class 48.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

324,612. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE PALNUT COMPANY, Irvington, N. J. Filed Mar. 25, 1933. Serial No. 336,094.

PUSHNUTS

For Nuts.
Claims use since Oct. 18, 1932.

324,613. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HOUSEHOLD PAPER PRODUCTS, Detroit, Mich. Filed Nov. 28, 1932. Serial No. 332,530.

Servelle

For Ironing Board Cover Set Consisting of a Pad Made of Cellular and Fibrous Material and a Cloth Cover.
Claims use since July 1, 1931.

324,614. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DELSHIRE CORPORATION, Chicago, Ill. Filed Feb. 13, 1934. Serial No. 347,314.

THURO-KLEEN — DELSHIRE CORPORATION — CHICAGO, ILLINOIS

For Transformer Coupled Induction Electric Heaters for Use with Electrically Operated Flushers for Cleaning Crank-Cases and Gear Cases; Electrically Operated Liquid Heaters; Electrically Operated Domestic Water Heaters; All of the Above Employing the Transformer Coupled Electric Heater for Producing the Heat Required.
Claims use since Feb. 1, 1934.

324,615. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DU PAGE ENGINEERING CO., Downers Grove, Ill. Filed Feb. 23, 1934. Serial No. 347,722.

STERIL-AIRE

For Air Pumps and Air Compressors.
Claims use since Feb. 4, 1934.

324,616. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MONARK BATTERY COMPANY, INC., Chicago, Ill. Filed Feb. 26, 1934. Serial No. 347,869.

SHIELDED PLATE

For Storage Batteries.
Claims use since Nov. 1, 1933.

324,617. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LATELTIN A. G., Zurich, Switzerland. Filed Mar. 9, 1934. Serial No. 348,389.

Roffignac

For Cognac.
Claims use since Nov. 8, 1923.

324,618. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PACIFIC LIQUOR CO., Los Angeles, Calif. Filed Mar. 12, 1934. Serial No. 348,513.

DEVONSHIRE

For Gin.
Claims use since Mar. 8, 1934.

324,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATURAL SYRUP PRODUCTS, INC., New York, N. Y. Filed Mar. 29, 1934. Serial No. 348,290.

"THAT GOLDEN DELICACY"

For Maple Sugar, Maple Syrup, Honey, and Maple Sugar Candy.
Claims use since Mar. 22, 1934.

324,620. (CLASS 2. RECEPTACLES.) BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Apr. 11, 1934. Serial No. 349,819.

AYR PRUF

For Cardboard and Fibre Containers and Wrappers.
Claims use since Mar. 28, 1934.

324,621. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Filed Apr. 12, 1934. Serial No. 349,881.

RADIO CITY

For Coin Controlled Amusement Apparatus.
Claims use since Jan. 15, 1934.

324,622. (CLASS 39. CLOTHING.) SIDNEY KLEINFIELD & CO., INC., New York, N. Y. Filed Apr. 20, 1934. Serial No. 350,249.

DERNIER MODES

For Misses' and Ladies' Coats, Suits, Wraps, and Skirts.
Claims use since Mar. 16, 1934.

324,623. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PITTSBURGH STEEL COMPANY, Pittsburgh, Pa. Filed May 3, 1934. Serial No. 350,865.

Crimpicket Lawn Fence

For Wire Fencing.
Claims use since Mar. 1, 1934.

324,624. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PITTSBURGH STEEL COMPANY, Pittsburgh, Pa. Filed May 3, 1934. Serial No. 350,866.

Pittsburgh Special

For Metal Tubes.
Claims use since Apr. 3, 1934.

324,625. (CLASS 39. CLOTHING.) ELDER MANUFACTURING COMPANY, St. Louis, Mo. Filed May 7, 1934. Serial No. 351,007.

Billy Baxter

For Wearing Apparel—Namely, Men's and Boys' Dress and Negligee Shirts and Boys' Blouses.
Claims use since Apr. 1, 1934.

324,626. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HENRY KELLY & SONS, INC., New York, N. Y. Filed May 25, 1934. Serial No. 351,857.

KILDARE CLUB

For Whiskey.
Claims use since Mar. 26, 1934.

324,627. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE R. H. LAIRD MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 26, 1934. Serial No. 351,922.

Quix-set

For Wave Lotion.
Claims use since Apr. 12, 1934.

324,628. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAMES J. SULLIVAN, Boston, Mass. Filed June 4, 1934. Serial No. 352,271.

Old Hanover

For Gin, Whiskey, Rum, and Brandy.
Claims use since February, 1934.

324,629. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ETABLISSEMENTS E. BIGEON INC., New York, N. Y., assignor to Maison Barriasson Societe Anonyme, Cognac, France. Filed June 30, 1934. Serial No. 353,375.

BARRIASSON

For Brandy and Cognac.
Claims use since Mar. 1, 1934.

324,630. (CLASS 47. WINES.) PENFOLDS WINES LIMITED, Sydney, Australia. Filed July 20, 1934. Serial No. 354,133.

PENFOLDS

For Wines.
Claims use since 1844

324,631. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ETABLISSEMENTS E. BIGEON INC., New York, N. Y., assignor to Maison Barriasson Societe Anonyme, Cognac, France. Filed June 30, 1934. Serial No. 353,376.

Cognac Club Brandy

For Brandy.
Claims use since Mar. 1, 1934.

324,632. (CLASS 39. CLOTHING.) RODEN, INC., New York, N. Y. Filed Nov. 21, 1934. Serial No. 358,500.

WINDSOR

For Hat Bodies and Hoods for Women.
Claims use since August, 1930.

324,633. (CLASS 39. CLOTHING.) MASSACHUSETTS KNITTING MILLS, Jamaica Plain, Mass. Filed Nov. 26, 1934. Serial No. 358,648.

RING-CLEAR

For Hosiery.
Claims use since Oct. 1, 1933.

324,634. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PLATTEN BROTHERS, Green Bay, Wis. Filed Dec. 6, 1934. Serial No. 359,002.

Colonel Glen

For Gin, Whiskey and Brandy.
Claims use since Jan. 10, 1934.

324,635. (CLASS 39. CLOTHING.) A. E. NETTLETON COMPANY, Syracuse, N. Y. Filed Jan. 14, 1935. Serial No. 360,236.

GROSVENOR

For Men's, Women's, and Children's Shoes Made of Leather, Rubber, or Fabric, or of Combinations of Those Materials.
Claims use since 1932.

324,636. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SCOTT AND FETZER COMPANY, Cleveland, Ohio. Filed Feb. 18, 1935. Serial No. 361,545.

Kirby

For Domestic Suction Cleaners and Their Structural Parts.
Claims use since Sept. 30, 1930.

324,637. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAGEN IMPORT COMPANY, St. Paul, Minn. Filed Mar. 6, 1935. Serial No. 362,175.

Balsam Breath FILTER INHALER

For Balsam Breath Filter Inhalers.
Claims use since July 1, 1932.

324,638. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ASHEN & BORETZ, INC., New York, N. Y. Filed Mar. 16, 1935. Serial No. 362,608.

moleather

For Artificial Leather Made of Textile and Cloth.
Claims use since January, 1934.

324,639. (CLASS 47. WINES.) FRUIT INDUSTRIES, LTD., Los Angeles, Calif. Filed Mar. 25, 1935. Serial No. 362,959.

Sonoma

For Wines.
Claims use since May 22, 1933.

324,640. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SCHWARZ & SON WINE & LIQUOR CO., New York, N. Y. Filed Apr. 14, 1934. Serial No. 349,997.

PIPPIN

For Applejack.
Claims use since Apr. 4, 1934.

TRADE-MARK REGISTRATIONS RENEWED

12,147. ALL WRITING MACHINES. Registered April 21, 1885. THE AMERICAN WRITING MACHINE COMPANY. Re-renewed April 21, 1935, to American Writing Machine Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

12,168. ALL WRITING MACHINES. Registered April 21, 1885. THE AMERICAN WRITING MACHINE COMPANY. Re-renewed April 21, 1935, to American Writing Machine Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

12,396. SEWING MACHINES AND SEWING MACHINE ATTACHMENTS AND SUPPLIES. Registered July 7, 1885. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Re-renewed July 7, 1935, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

103,020. A REMEDY FOR THE LIVER. Registered March 16, 1915. BURNEY BRASEL, Drumright, Okla. Renewed March 16, 1935.

103,099. COTTON PIECE GOODS. Registered March 16, 1915. GRINNELL WILLIS & CO. Renewed March 16, 1935, to Arthur R. Johnson, New York, N. Y., assignee by mesne assignments.

103,163. COTTON PIECE GOODS. Registered March 16, 1915. GRINNELL WILLIS & CO. Renewed March 16, 1935, to Arthur R. Johnson, New York, N. Y., assignee by mesne assignments.

103,328. CERTAIN NAMED FOODS. Registered March 30, 1915. PARSONS & SCOVILLE CO. Renewed March 30, 1935, to The Fargason Company, Evansville, Ind., a corporation of Tennessee, assignee.

103,357. SALT. Registered March 30, 1915. MORTON SALT COMPANY. Renewed March 30, 1935, to Morton Salt Company, Chicago, Ill., a corporation of Illinois, assignee.

103,375. A REMEDY FOR CERTAIN NAMED AILMENTS. Registered March 30, 1915. LAURENCE E. CASH. Renewed March 30, 1935, to Abraham Parodney, doing business as New York Drug Concern, New York, N. Y., assignee.

103,388. WOODEN TOOTHPICKS. Registered March 30, 1915. INTERNATIONAL MFG. CO., Phillips, Maine. Renewed March 30, 1935, to General Woodenware Corporation, New York, N. Y., a corporation of Delaware, assignee.

103,471. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,472. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,474. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,476. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,478. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,480. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,482. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,483. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,486. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,487. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,488. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,489. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,490. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,491. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,492. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,495. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,497. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,498. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,500. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,501. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,503. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,505. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,506. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,507. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,508. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,509. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,510. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,511. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,512. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,516. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,517. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,519. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,520. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,521. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,522. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,523. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,525. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,538. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,540. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,541. WASHBOARDS. Registered April 6, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed April 6, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

103,747. BUTTER. Registered April 13, 1915. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill. Renewed April 13, 1935, to Blue Valley Creamery Company, Wilmington, Del., and Chicago, Ill., a corporation of Delaware, assignee.

103,751. CERTAIN NAMED COPPER, BRASS, AND NICKEL HOLLOW METAL WARE. Registered April 13, 1915. SIMON W. FARBER, New York, N. Y. Renewed April 13, 1935, to S. W. Farber, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

103,803. HARNESS OR SADDLERY HARDWARE AND HAMES. Registered April 13, 1915. THE STEFFENS AMBERG CO., Newark, N. J., a corporation of New Jersey. Renewed April 13, 1935.

103,857. CYCLES, MOTOR CYCLES, AND SIDE CARS FOR USE WITH MOTOR CYCLES. Registered April 20, 1915. JOHN MARSTON, LIMITED, Wolverhampton, England, a corporation of Great Britain. Renewed April 20, 1935.

104,071. SCARF-PINS, NECKLACES, LAVALLIÈRES, RINGS, PEARLS, AND ARTIFICIAL PEARLS. Registered April 27, 1915. R. H. MACY & CO. Renewed April 27, 1935, to R. H. Macy Co., Inc., New York, N. Y., a corporation of New York, assignee.

104,142. KNIT UNDERWEAR. Registered May 4, 1915. JOHN J. BYRON, Troy, N. Y. Renewed May 4, 1935, to Faith Mills, Inc., Averill Park, N. Y., a corporation of New York, assignee.

104,332. STICK-CANDY. Registered May 18, 1915. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed May 18, 1935.

104,335. WASHBOARDS. Registered May 18, 1915. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed May 18, 1935, to National Washboard Company, Chicago, Ill., a corporation of West Virginia.

104,367. BATH-POWDER. Registered May 25, 1915. RALPH RAPP, New York, N. Y. Renewed May 25, 1935.

104,391. BISCUIT. Registered May 25, 1915. LOOSE-WILES BISCUIT COMPANY, Boston, Mass., a corporation of Maine. Renewed May 25, 1935.

104,619. CAKES COMMONLY CALLED SNAPS. Registered June 8, 1915. LOOSE-WILES BISCUIT COMPANY, New York, N. Y. Renewed June 8, 1935, to Loose-Wiles Biscuit Company, Long Island City, New York, a corporation of New York.

104,620. CAKES AND CRACKERS. Registered June 8, 1915. LOOSE-WILES BISCUIT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 8, 1935.

104,621. BISCUIT. Registered June 8, 1915. LOOSE-WILES BISCUIT COMPANY, Boston, Mass., a corporation of Maine. Renewed June 8, 1935.

104,627. CANNED EVAPORATED MILK. Registered June 8, 1915. MT. VERNON CREAM CO., Mount Vernon and Seattle, Washington. Renewed June 8, 1935, to Mount Vernon Milk Company, Seattle, Wash., a corporation of Washington, by change of name.

104,814. CRAYONS. Registered June 15, 1915. BINNEY & SMITH COMPANY, East Orange, N. J., and New York, N. Y. Renewed June 15, 1935, to Binney & Smith Company, New York, N. Y., a corporation of New Jersey.

104,917. CERTAIN NAMED COTTON PIECE GOODS. Registered June 22, 1915. TOOTAL BROADHURST LEE COMPANY, LIMITED, Manchester, England, a limited liability company of Great Britain. Renewed June 22, 1935.

105,069. CANDY FIGS. Registered July 6, 1915. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed July 6, 1935.

105,070. BISCUIT. Registered July 6, 1915. LOOSE-WILES BISCUIT COMPANY, Boston, Mass., a corporation of Maine. Renewed July 6, 1935.

105,293. POULTRY FEED. Registered July 13, 1915. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1935.

105,472. A LIQUID-CEMENT WALL-COATING. Registered July 27, 1915. TRUSSED CONCRETE STEEL COMPANY. Renewed July 27, 1935, to Truscon Steel Company, Detroit, Mich., a corporation of Michigan, by change of name.

105,661. HOSIERY. Registered August 10, 1915. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J., a corporation of New Jersey. Renewed August 10, 1935.

105,836. TOILET SOAP. Registered August 24, 1915. THE CUDAHY PACKING COMPANY. Renewed August 24, 1935, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine, assignee.

105,877. CANDIES. Registered August 24, 1915. SISCO BROTHERS. Renewed August 24, 1935, to Sisco Bros. Candy Company, Chicago, Ill., a corporation of Illinois, assignee.

105,879. A WEEKLY FINANCIAL PUBLICATION. Registered August 24, 1915. TICKER PUBLISHING COMPANY, New York, N. Y., a corporation of New York. Renewed August 24, 1935.

105,942. WASHING-POWDER. Registered August 31, 1915. LOS ANGELES SOAP CO., Los Angeles, Calif., a corporation of California. Renewed August 31, 1935.

105,943. SOAP. Registered August 31, 1915. LOS ANGELES SOAP CO., Los Angeles, Calif., a corporation of California. Renewed August 31, 1935.

106,002. WHEAT-FLOUR. Registered September 14, 1915. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind., and Boston, Mass. Renewed September 14, 1935, to Lawrenceburg Roller Mills Co., Lawrenceburg, Ind., a corporation of Indiana.

106,064. PAPER TOWELS AND PAPER NAPKINS. Registered September 28, 1915. CENTRAL PAPER COMPANY, Muskegon, Mich., a corporation of Michigan. Renewed September 28, 1935.

LABELS

REGISTERED MAY 21, 1935

45,583.—*Title:* RELAXATION — FOOT POWDER — FOR PEOPLE IN ALL WALKS OF LIFE. For Preparation for the Feet. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,584.—*Title:* ROLD GOLD PRETZEL TOSS. For a Game of the Quoit Type. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa. Published March 21, 1935.

45,585.—*Title:* MANOR. For Bread. P. D. ARCHER, Kansas City, Mo. Published March 25, 1935.

45,586.—*Title:* RAKI. For Raki. ARROW DISTILLERIES, INCORPORATED, Detroit, Mich. Published January 25, 1935.

45,587.—*Title:* BAILEY'S HERB-LAX TEA. For a Medicinal Tea Prepared from Herbs, Roots, Barks, Seeds, and Leaves. JAMES C. BAILEY, Chicago, Ill. Published January 5, 1935.

45,588.—*Title:* BERGHOFF KEG BEER (neck label). For Beer. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind. Published March 12, 1935.

45,589.—*Title:* BERGHOFF BEER (body label). For Beer. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind. Published March 1, 1935.

45,590.—*Title:* BERGHOFF PICNIC BEER (body label.) For Beer. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind. Published March 12, 1935.

45,591.—*Title:* BORDEN'S PASTEURIZED GRADE B CREAM. For Pasteurized Grade B Cream. BORDEN'S FARM PRODUCTS COMPANY, INC., New York, N. Y. Published February 6, 1935.

45,592.—*Title:* BORDEN'S CHOCOLATE FLAVORED DRINK. For a Chocolate Flavored Drink. BORDEN'S FARM PRODUCTS COMPANY, INC., New York, N. Y. Published March 5, 1935.

45,593.—*Title:* SPECIAL NOTICE. For a Chemical Compound for the Treatment of Wounds Infected with Screw Worms and for Extinction of Screw Worms. LAWTON OSCAR DASHER, Valdosta, Ga. Published November 16, 1934.

45,594.—*Title:* S. W. K. For a Chemical Compound for the Treatment of Wounds Infected with Screw Worms and for the Extinction of Screw Worms. LAWTON OSCAR DASHER, Valdosta, Ga. Published November 16, 1934.

45,595.—*Title:* 7 PIECE HOUSEHOLD SET. For Household Cutlery Sets. FEDERAL CUTLERY CO., New York, N. Y. Published March 8, 1935.

45,596.—*Title:* MRS. STEWART'S CONCENTRATED LIQUID BLUING. For Concentrated Liquid Bluing. LUTHER FORD & CO., Minneapolis, Minn. Published April 3, 1935.

45,597.—*Title:* A. V. A. For Deodorant Compound, Particularly a Deodorant for Bath Rooms and Toilet Bowls. THE GIBBS MANUFACTURING COMPANY, Canton, Ohio. Published March 25, 1935.

45,598.—*Title:* LONDON. For Belts. GLOBE NOVELTY HOUSE, INC., New York, N. Y. Published February 13, 1935.

45,599.—*Title:* JUNKET MIX FOR MAKING ICE CREAM. For Ice Cream Mix. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Published June 5, 1934.

45,600.—*Title:* TEN JUNKET TABLETS. For a Preparation for Making Desserts from Milk. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Published March 11, 1935.

45,601.—*Title:* KING'S PRIDE. For Straight Whiskey. KING DISTRIBUTING COMPANY, Jacksonville, Fla. Published March 30, 1935.

45,602.—*Title:* KING'S PRIDE. For Distilled Dry Gin. KING DISTRIBUTING COMPANY, Jacksonville, Fla. Published March 30, 1935.

45,603.—*Title:* NATTY-LEE CUFFS. For Cuffs for Use in the Office, Store and Home. LEON LABORATORIES, Brooklyn, N. Y. Published March 20, 1935.

45,604.—*Title:* EDGEMONT SMACKS. For Butter Wafers. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Published January 15, 1935.

45,605.—*Title:* DIAMOND HAIR NET. For Hair Nets. MAIL-WELL ENVELOPE COMPANY, Portland, Oreg. Published March 1, 1935.

45,606.—*Title:* PLANAT. For Cognac. THOMAS J. MOLLOY & CO. INC., New York, N. Y. Published October 1, 1933.

45,607.—*Title:* MIDNITES. For Licorice Confections. THE JOHN MUELLER LICORICE COMPANY, Cincinnati, Ohio. Published March 8, 1935.

45,608.—*Title:* NATIONAL PEPTIZED GRAPHITE OIL. For Graphite Oil. MILTON M. PATTERSON, doing business as National Graphite Co., Los Angeles, Calif. Published April 1, 1933.

45,609.—*Title:* SCHREIBER'S ALE. For Ale. SCHREIBER BREWING COMPANY, INC., Buffalo, N. Y. Published October 1, 1934.

45,610.—*Title:* GOLDEN CUP. For Coffee. SIBLEY-ALMY COMPANY, INC., Olean, N. Y. Published October 1, 1934.

45,611.—*Title:* SINCO SCENTED DEODORANT. For Deodorant. SINCO COSMETICS, INC., New York, N. Y. Published March 3, 1935.

45,612.—*Title:* MOTHER NATURE SOAP LAKE SELTZER. For an Effervescent Compound of Natural Salts Obtained by Simple Evaporation. SOAP LAKE PRODUCTS CORPORATION, Seattle, Wash. Published February 1, 1935.

45,613.—*Title:* MOTHER NATURE SOAP LAKE SPIRIT. For Liquid Concentrates of Mineral Waters. SOAP LAKE PRODUCTS CORPORATION, Seattle, Wash. Published February 1, 1935.

45,614.—*Title:* JUMBO. For Liquid Sodium Hypochlorite. SOLARINE COMPANY, Baltimore, Md. Published February 25, 1935.

45,615.—*Title:* RYE BREAD A DIFFERENT FLAVOR. For Rye Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published March 27, 1935.

PRINTS

REGISTERED MAY 21, 1935

15,150.—*Title:* A. V. A. For Deodorant Compound, Particularly a Deodorant for Bath Rooms and Toilet Bowls. THE GIBBS MANUFACTURING COMPANY, Canton, Ohio. Published March 25, 1935.

15,151.—*Title:* ONE LOOK AT MY COLLECTION OF BLOW-OUT SHOTS AND YOU'D NEVER GAMBLE ON TIRES (AD NO. GBC-47). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published March 30, 1935.

15,152.—*Title:* TIMEPAY PLAN. For Women's Dresses, Women's Coats, Etc. MAISON BLANCHE COMPANY, New Orleans, La. Published March 24, 1935.

REISSUES

MAY 21, 1935

19,572

STOCK QUOTATION PROJECTION MACHINE AND METHOD FOR FEEDING TAPE THERETHROUGH

James W. Decker, New York, N. Y.

Original No. 1,903,806, dated April 18, 1933, Serial No. 249,383, January 25, 1928. Renewed February 16, 1932. Application for reissue July 1, 1933, Serial No. 678,697

20 Claims. (Cl. 88—24)



1. The combination with a ticker tape, of a ticker having a printing mechanism for printing positive type impressions on said ticker tape and having a feeding mechanism for imparting a feeding impulse to said tape after a printing impression, a projecting mechanism having a horizontally disposed light aperture, a right angularly bent guide for twisting the tape through a right angular path of movement for inverting the tape and guiding the tape so inverted over said light aperture, a projecting lens above said light aperture for receiving images of the configurations on said tape, a deflector above said lens for receiving images from said lens, and a screen above said lens for receiving images from said deflector.

19,573

LIQUID FUEL FEEDING DEVICE AND SAFETY MECHANISM IN CONNECTION THEREWITH

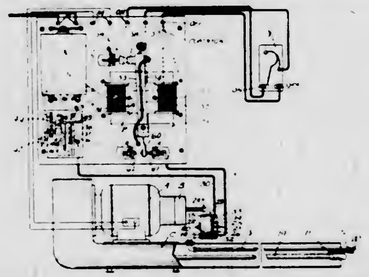
Walter W. Williams, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Original No. 1,691,002, dated November 6, 1928, Serial No. 660,314, August 31, 1923. Renewed January 20, 1926. Application for reissue December 30, 1929, Serial No. 417,539

16 Claims. (Cl. 158—28)

1. In a liquid fuel burning system comprising means for atomizing a fuel mixture, a pilot light, and safety mechanism for controlling the action of said atomizer, including a retarder switch having a heating coil thereon, and a diaphragm member controlled by the heat given off by the pilot light, the action of said diaphragm controlling the action of the retarder switch.

15. In a fluid fuel burning system, including a combustion chamber, means for delivering a fluid fuel mixture to said chamber, means for delivering supplemental air to the ignited fuel, means to introduce hot products of combustion into the fuel mixture actuated by the fuel delivering



means, means normally rendering the delivery means inactive upon the cessation of the introduction of the products of combustion into the fuel mixture.

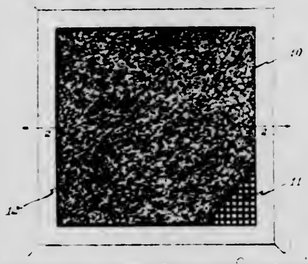
19,574

PROJECTION SCREEN

Theodore F. Yagle, Philadelphia, Pa., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original No. 1,876,269, dated September 6, 1932, Serial No. 400,109, October 16, 1929. Application for reissue August 22, 1933. Serial No. 686,228

8 Claims. (Cl. 88—24)



7. A projection screen for motion pictures comprising a foraminated backing, a facing of irregularly disposed matted fibres on said backing, and a plurality of globular elements interspersed throughout said fibres for diffusing light projected onto said screen.

19,575

IMAGE BROADCASTING SYSTEM

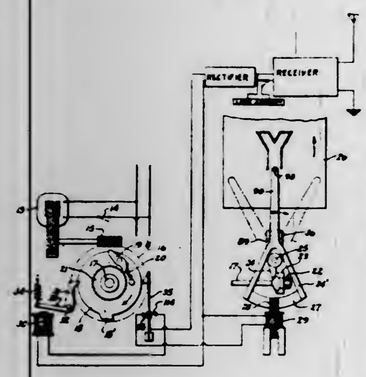
William G. H. Finch, Washington, D. C.

Original No. 1,985,654, dated December 25, 1934, Serial No. 717,304, March 26, 1934. Application for reissue March 23, 1935, Serial No. 12,704

47 Claims. (Cl. 178—5)

26. In a facsimile system; a receiver comprising a pivoted arm; a rotatable motor; means including a cam driven by said motor and a follower for said cam secured to and driving said pivoted arm for translating the rotation of said motor into a reciprocating motion for rocking said arm

about its pivot in a reciprocating movement for line for line scanning; and means responsive to



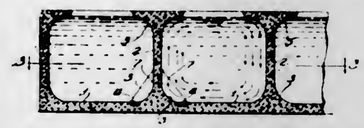
received facsimile signals for rocking said arm in response to received impulses for making a record.

19,576
TELESCOPIC UMBRELLA
Hans Haupt, Berlin, Germany
Original No. 1,902,263, dated March 21, 1933, Serial No. 475,647, August 16, 1930. Application for reissue March 19, 1935, Serial No. 11,832. In Germany July 19, 1930
8 Claims. (Cl. 135—25)



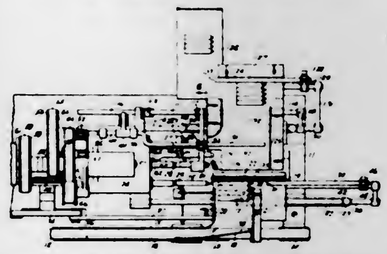
1. An umbrella of the character described, comprising a stick composed of telescopically connected sections, ribs composed of slidably connected sections, a runner on the stick, stretchers connecting said runners with the outer rib sections, a sleeve arranged to slide on the stick, and auxiliary struts pivoted at one end to said sleeve and at the other end to the central portions of the stretchers for supporting the latter in the open position of the umbrella, said struts being formed with knees adapted to bear against and exert outward pressure on the stretchers when the umbrella is closed.

19,577
PURIFICATION OF SEWAGE AND OTHER LIQUIDS
Walter Jones, deceased, late of Stourbridge, England, by Activated Sludge, Inc., Chicago, Ill., assignee, a corporation of Delaware
Original No. 1,341,561, dated May 25, 1920, Serial No. 316,224, August 8, 1919. Application for reissue February 16, 1935, Serial No. 6,912
4 Claims. (Cl. 210—8)



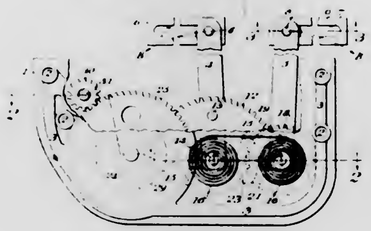
1. In a purification system, a tank divided into a plurality of communicating open chambers serially connected with one another, each chamber having its sewage inlet at one end and its sewage outlet at the other end, an air supplier for each chamber extending substantially continuously throughout the length thereof nearer to one of the side walls of said chamber than to the opposite wall of said chamber, the side walls of each chamber being formed to direct the flow of liquid under the pressure of said air supplier in a circular path within the chamber, and the flow of sewage through each chamber from the inlet at one end to the outlet at the other end being continuous, causing a generally spiral flow of the sewage within each chamber.

19,578
AUTOMATIC TUBE FINISHING AND ADVANCING MACHINE
Walter Prussing, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Original No. 1,910,712, dated May 23, 1933, Serial No. 526,625, March 28, 1931. Application for reissue January 12, 1934, Serial No. 706,411
30 Claims. (Cl. 29—38)



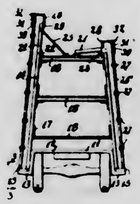
1. In a tube finishing machine, a turret intermittently revoluble between a series of stations, a series of revoluble mandrels carried by the turret, means for mounting a thin, collapsible tube on a mandrel at one station, means for trimming both ends of the tube at the next station, and to separate a cylindrical waste piece from the remainder of the tube, means for threading the neck of the tube at the next succeeding station, a tube-engaging member, and means for moving the member coaxially of and also toward the mandrel into engagement with the outermost cylindrical surfaces of the tube and the waste piece for automatically dismounting the finished tube and the waste piece simultaneously at the last station, after the tube has been mounted, trimmed, and threaded.

19,579
WINDOW CONTROL MECHANISM
John H. Roethel, Detroit, Mich.
Original No. 1,974,196, dated September 18, 1934, Serial No. 616,511, June 10, 1932. Application for reissue February 11, 1935, Serial No. 6,007
19 Claims. (Cl. 268—126)



1. In a window control mechanism, a pair of swinging bars adapted to be connected to a glass supporting channel, a vertically arranged plate for the support of the said mechanism, a gear to which the lower end of one of the said bars is secured, a second gear secured to the lower end of the other bar and having a toothed portion of the same diameter as that of the first-named gear and meshing with the same, another portion of said second named gear having teeth formed so as to produce a gear of a greater diameter than the first named portion thereof.

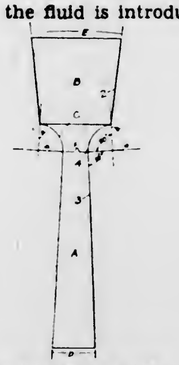
19,580
PLATE GLASS TRANSPORTING TRUCK
Louis Rothholz, New York, N. Y.
Original No. 1,879,513, dated September 27, 1932, Serial No. 600,599, March 23, 1932. Application for reissue February 18, 1935, Serial No. 8,332
18 Claims. (Cl. 296—3)



14. The combination with the chassis of a truck of a rigid sheet transporting body comprising frames arranged at the sides of the truck at inclinations towards each other, hinged means on the frames arranged to adjust the frames and horizontal partitions arranged therebetween to form a compartment.

19,581
VENTURI TUBE
Clarence I. Justheim, Salt Lake City, Utah
Original No. 1,973,714, dated September 18, 1934, Serial No. 706,308, January 11, 1934. Application for reissue March 21, 1935. Serial No. 12,305
7 Claims. (Cl. 230—92)

1. In a Venturi tube, the combination of opposed frusto-conical axially aligned chambers joined together by a curved wall with the chamber into which the fluid is introduced of larger



diameter than the other chamber, and with the smaller chamber tangential to the curved wall.

19,582
ALL METAL TIRE COVER
Leonardo Ricci, New Kensington, Pa., assignor of ten per cent to Gaetano Latona and three per cent to Amerigo Posati, both of Arnold Borough, Westmoreland County, Pa.
Original No. 1,917,157, dated July 4, 1933, Serial No. 500,613, December 6, 1930. Application for reissue December 13, 1934, Serial No. 757,405
5 Claims. (Cl. 150—54)

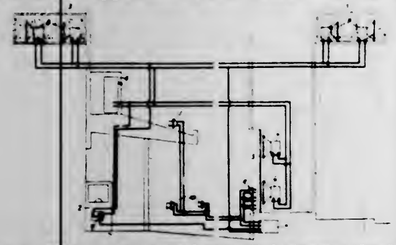


1. In a tire carrier, a casing formed of two hingedly connected sections, a holder having a forward open end carried by and projecting axially from one section, said holder being provided with a tapering open outer end, a sleeve carried by and extending axially from said outer section to receive therein the holder and form a closure therefor, said sleeve being provided with a tapering seat portion arranged interiorly thereof and upon which the tapering forward end of the holder is seated, and a gasket surrounding the said holder and engaging with the inner circumference of the sleeve for preventing the rattling of the sections of the casing when in closed position.

19,583
SOUND REPRODUCING APPARATUS FOR ADVERTISING PURPOSES
Ferdinand G. Salcedo, Hollywood, Calif., assignor to Consolidated Advertising Corp., Ltd., Los Angeles, Calif.
Original No. 1,873,790, dated August 23, 1932, Serial No. 413,911, December 13, 1929. Application for reissue May 21, 1934, Serial No. 726,776
10 Claims. (Cl. 179—100.1)

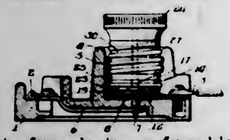
1. In combination, a theater having a sound and picture reproduction apparatus located there-

in, loud speaker units located exteriorly of the theater, microphones located within the theater, an amplifier for the microphones, a control switch in the theater, an electrical circuit between the loud speaker units and the sound and picture reproduction apparatus and controlled by the



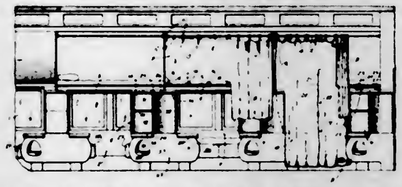
switch, and an electrical circuit between the loud speaker units and the microphones and the amplifier therefor and controlled by said switch whereby either music and applause within the theater or movietones from the sound reproduction apparatus may be transmitted exteriorly of the theater.

19,584
SAFETY FUSE DEVICE
Jesse Stone, Pittsburgh, Pa., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a corporation of New York
Original No. 1,824,415, dated September 22, 1931, Serial No. 391,450, September 9, 1929. Application for reissue September 21, 1933, Serial No. 690,405
9 Claims. (Cl. 200—119)



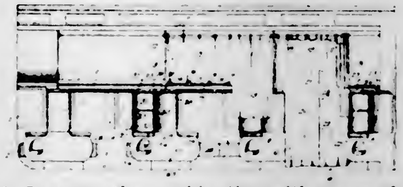
1. In a safety fuse device, a fuse block having a feeder connection, and a branch circuit connection, a ferrule mounted in the block, an adapter having a perforated center, a concentric recess formed in the upper face of the adapter, and a peripheral recess formed in the adapter, a spring locking wire adapted to fit in the peripheral recess, and lock the adapter within the ferrule, a fuse plug having a centrally disposed contact pin therein, a fuse plug disc having a concentric projecting ring thereon formed complementary to the concentric adapter recess, a contact screw mounted in the fuse block, means connecting the contact screw with the feeder connection, and means connecting the contact pin with the branch circuit connection.

19,585
SLEEPING CAR
Trimble de Roode, New York, N. Y.
Original No. 1,834,093, dated December 1, 1931, Serial No. 719,772, June 13, 1924. Renewed March 20, 1930. Application for reissue August 25, 1933, Serial No. 686,809
32 Claims. (Cl. 105—324)



1. In a sleeping car, the combination with upper and lower berths, of step formations for the upper berths associated with the end members of the lower berths, and forming partitions between the lower berths and leg room for the users of the upper berths.

19,586
SLEEPING CAR
Trimble de Roode, New York, N. Y.
Original application June 13, 1924, Serial No. 719,772. Divided and application April 18, 1930, Serial No. 445,369. Patent No. 1,859,730, dated May 24, 1932. Application for reissue August 25, 1933, Serial No. 686,810
43 Claims. (Cl. 105—315)

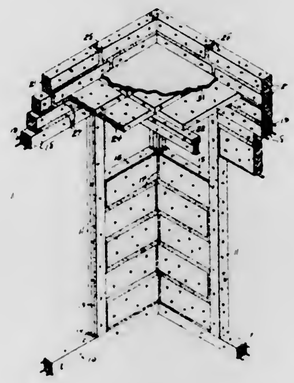


1. In a car, the combination with a row of upper and lower berth spaces in superposed staggered relation, of berths in said spaces disposed longitudinally of the car with each lower berth overlapped substantially throughout its length by portions of two upper berths, there being a standing space for each upper and for each lower berth disposed adjacent to one another in a row alongside of said berths, the standing space of each upper berth extending down alongside of the side of a lower berth space, the standing space of each lower berth extending up alongside of the sides of two upper berth spaces, and partitions for forming and separating said standing spaces from one another.

PATENTS

GRANTED MAY 21, 1935

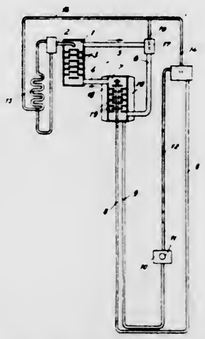
2,001,696
CONCRETE BUILDING CONSTRUCTION
Heriberto Amezcua, Laredo, Tex., assignor of one-fifth to Adolph R. Kahn, Laredo, Tex.
Application August 6, 1934, Serial No. 738,761
3 Claims. (Cl. 72—1)



1. A structure of the kind described comprising precast concrete base beams overlapping each other at their meeting ends and having reinforcements longitudinally therein, precast concrete columns rising from the base beams and having reinforcements projected thereinto, wall slabs arranged between the columns, fluted portions on the columns and slabs, certain of the fluted portions being interlocked with each other, cementitious filling between other fluted portions, upper horizontal beams carried by said columns and overlapped at their meeting ends, spacer blocks carried by the upper horizontal beams and having contracted portions forming ledges, T-shaped supports related with the said horizontal beams, tiles upon said supports and engaged with the ledges formed by the spacer blocks, the reinforcements of the columns being engaged in the said supports, and beveled marginal edges on said tiles and interfitting the spacer blocks.

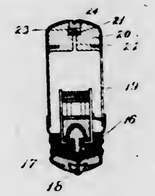
2,001,697
ABSORPTION REFRIGERATING MACHINE
Edmund Altenkirch, Neuenhagen, near Berlin, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 14, 1930, Serial No. 475,206
In Germany August 20, 1929
4 Claims. (Cl. 62—119.5)

4. The method of causing the circulation of an absorption liquid in a circuit between the absorber and the generator of a continuous absorption refrigerating system which includes the steps of causing the liquid to absorb a gas, in the absorber to thereby increase the density of the absorption liquid and expelling the absorbed gas in the generator to decrease the density of the absorption liquid, and fostering circulation of the liquid under the influence of gravity action on the



portions of the absorption liquid of different density.

2,001,698
RECTIFIER
Henri G. André, Suresnes, France
Application August 24, 1929, Serial No. 388,181. Renewed August 22, 1934. In France October 5, 1928
13 Claims. (Cl. 175—366)



2. A rectifier comprising a cathode having a layer of metallic oxide on its surface, an anode having a layer of a sulphide of an electro-positive metal on its surface, said cathode and anode surfaces being in contact with each other, and concentrated sulphuric acid supplied to said contacting surfaces.

4. The method of making a rectifier which comprises placing on the surface of an oxidizable metal, another electro-positive metal having a stronger affinity for sulphur than said first metal, said second-named metal being in close contact with the surface of said first-named metal, converting the surface of said second-named metal into its sulphide, supplying a concentrated sulphuric acid to the contacting surfaces of said metals, a coating of oxide being formed on the surface of said first-named metal at any time during the above-mentioned steps.

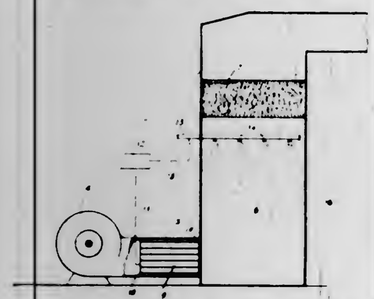
2,001,699
[WITHDRAWN]

2,001,700

HUMIDIFICATION PROCESS AND APPARATUS EMPLOYING ELECTRICAL ATTRACTIVE FORCES

Hans Barthel, Cologne-Dellbruck, Germany, assignor, by mesne assignments, to Carrier Engineering Corporation, New York, N. Y., a corporation of New York

Application January 13, 1931, Serial No. 508,444
In Germany December 3, 1929
2 Claims. (Cl. 261—117)



1. A method of controlling the moisture content of air, consisting in providing a plurality of water particles charged with electricity of a certain polarity, and routing air equally charged with electricity of opposite polarity through the particles.

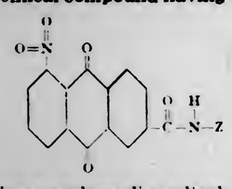
2,001,701

1-NITRO-ANTHRAQUINONE-6-ACYL AMINO COMPOUNDS AND THEIR PREPARATION

Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 3, 1932, Serial No. 590,640
10 Claims. (Cl. 260—60)

4. The chemical compound having the formula:



Z representing a carbocyclic radical.

2,001,702

ACYLAMINO-ANTHRAQUINONES AND PROCESS FOR THEIR PREPARATION

Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 25, 1932, Serial No. 619,278
9 Claims. (Cl. 260—60)

2. The 1-acyl-amino-anthraquinone - 6 - acyl-amino-compound which is substantially identical with that obtainable by condensing a 1-nitro-anthraquinone-6-carbonyl chloride with an amine having at least one hydrogen atom attached to the amine nitrogen atom, converting the resultant to the corresponding 1 - amino-anthraquinone-6-acyl-amino compound and condensing the last mentioned compound with a carboxylic acid halide of the benzene series.

2,001,703

HEATING MEANS FOR TREATING VEGETABLES OR FRUIT

Newman T. Brown, Seattle, Wash., assignor to Albert Peter Grommesch, Seattle, Wash., deceased, now by decree of distribution to Katherine H. Grommesch

Application September 23, 1931, Serial No. 564,698
3 Claims. (Cl. 126—41)



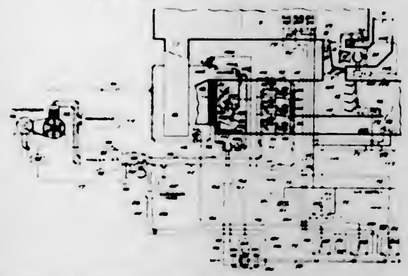
1. A heating means of the character described embodying a heating chamber of inverted U channel form, one leg of said chamber functioning as an article inlet passageway and the other leg functioning as an article outlet passageway; an article inlet port disposed in said article inlet passageway; a fire-box disposed between the leg members of said heating chamber and in communication with the article outlet leg of said chamber at a point above the said outlet port; a draft outlet for said fire-box in communication with the article inlet leg of said heating chamber at a point above the article inlet port; and a conveyor means operatively disposed to move through said heating chamber, whereby a heating means is provided of a form in which the heat may be pocketed and articles passed through said pocket of heat.

2,001,704

APPARATUS FOR COOLING AND VENTILATING BUILDINGS

Claude A. Bulkeley, New York, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York

Application April 14, 1933, Serial No. 666,152
18 Claims. (Cl. 257—8)



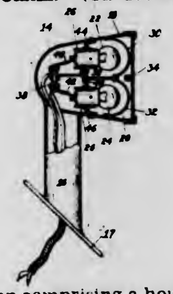
1. In an apparatus for conditioning an enclosure, a multiple pass cooling coil, means for passing air through said cooling coil over the exterior of the pipes thereof and into said enclosure, means for passing a cooling fluid through the inside of the pipes of said cooling coil countercurrent to the flow of air and at an entering temperature substantially below the dewpoint of the air passing said coil whereby said air is dehumidified and cooled to an average temperature substantially above its dewpoint and said cooling fluid is warmed to a leaving temperature substantially above said dewpoint, and means responsive to the air conditions in the enclosure for varying the velocity of said cooling fluid through said coil to vary the cooling and dehumidifying effect of the coil.

2,001,705

SAFETY TURN STOP LIGHT

Patsy Caponi, Philadelphia, Pa., assignor of one-half to Carmela Peroni, Philadelphia, Pa.

Application June 22, 1932, Serial No. 618,599
1 Claim. (Cl. 177—327)



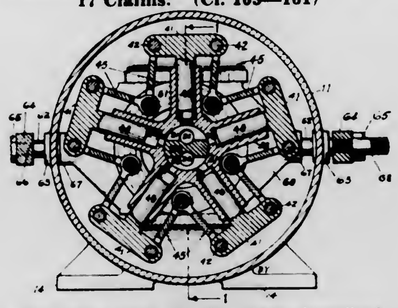
A signal lamp comprising a housing open at one end, a translucent closure for said housing, a partitioning structure comprising a member fastened at points intermediate the ends of the housing to divide it into front and rear compartments, a second member fastened at one end to said first member the other end extending short of said closure to divide the front compartment into two parts, a lamp in each part and mounted on one of said members, colored screens between said closure and lamps each having one edge fastened to said other end of said second member and the other edge freely engaging a wall of the housing, each of said colored screens located so that they do not engage the closure, whereby said partition members, bulbs, and screens form a unitary removable assembly.

2,001,706

VARIABLE CAPACITY PUMP

Hugo Centervall, Brooklyn, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware

Application April 28, 1932, Serial No. 607,927
17 Claims. (Cl. 103—161)



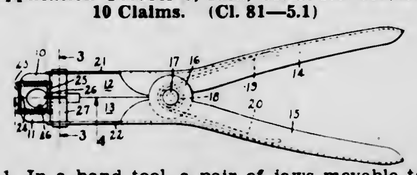
1. In a structure of the class described, the combination of a rotary cylinder structure having radial cylinders, pistons in said cylinders, a rotary member supported on bearings eccentric to the cylinder structure, and articulated connections between the pistons and said rotary member, said connections comprising links extending inwardly from the outer ends of the pistons to said member, said links having their outer ends connected to their respective pistons at points offset from the axes of the pistons circumferentially of the cylinder structure and positioned exteriorly with respect to the bore of the corresponding cylinder.

2,001,707

HAND TOOL

Fred J. Clemens, East Haven, Conn., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania

Application October 5, 1932, Serial No. 636,361
10 Claims. (Cl. 81—5.1)



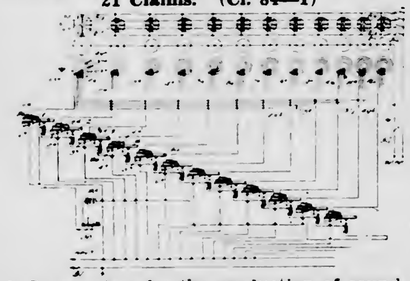
1. In a hand tool, a pair of jaws movable toward and away from each other, each jaw having relatively movable and opposed members associated therewith, means on each jaw to position a valve spring retainer keeper or the like thereon, and means to continuously urge one of said members toward the other to clamp the keeper or the like therebetween, said means adapted to engage the keepr to urge it toward said positioning means.

2,001,708

PRODUCTION OF MUSIC

Westley F. Curtis, Washington, D. C.

Application July 30, 1932, Serial No. 626,942
21 Claims. (Cl. 84—1)



1. In a system for the production of sound, an electron tube system having input and output circuits, an electrical sound producer connected with said output circuit, a multiplicity of continuously varying capacitative reactances productive of frequencies corresponding to the frequencies of a musical scale, means for rendering the variation of said varying capacitative reactances periodic, a keyboard operative to selectively associate one or more of said continuously varying capacitative reactances with the input circuit of said electron tube system for correspondingly producing tones in said electrical sound producer, and magnetic means for prolonging the duration of tones produced by said sound producer.

2,001,709

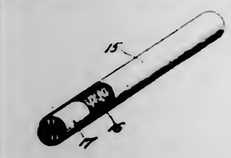
CIGARETTE MOUTHPIECE OR THE LIKE

Glenn Davidson, Bloomington, Ill.

Application February 27, 1932, Serial No. 595,509
15 Claims. (Cl. 131—52)

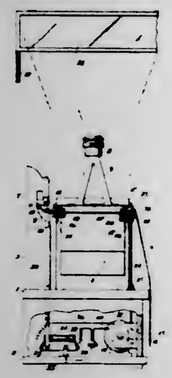
1. A mouthpiece for cigarettes and the like, comprising a tobacco replacing filler imposing a

resistance to the passage of the smoke substantially equal to that of a corresponding portion



of replaced tobacco and being formed of material laid in folds longitudinally, such folds varying in width.

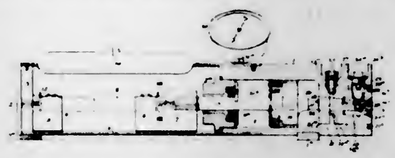
2,001,710
STOCK QUOTATION PROJECTING MACHINE
James W. Decker, New York, N. Y.
Application May 23, 1928, Serial No. 280,099
Renewed June 7, 1933
6 Claims. (Cl. 271—2.3)



1. The combination with a ticker tape, of a tape controlling device for controlling the tape as it passes across the light aperture of a projecting mechanism in which the tape is fed to the light aperture by an intermittent vibration transmitting movement, said tape controlling device consisting of two pairs of rollers for gripping said tape, one pair at the supply end of the light aperture and the other pair at the discharge end of the light aperture, said other pair exercising a tension on the portion of the tape located at the light aperture, and means for actuating said rollers.

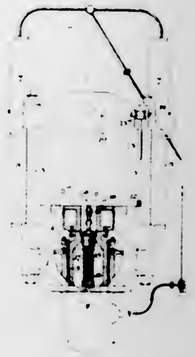
2,001,711
PORTABLE TESTING MACHINE
Richard W. Dinsl, Philadelphia, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation, a corporation of Delaware
Application January 14, 1930, Serial No. 420,782
4 Claims. (Cl. 265—14)

3. In a portable testing machine, the combination of a pair of oppositely disposed members horizontally arranged in fixed relation, a fixed head carried by one of said members, a movable head reciprocably mounted with respect to said fixed head and the other fixed member, grips carried by each of said heads between which a test specimen may be held; said last-named fixed member having an elongated chambered body, a piston movably mounted in one chamber of said chambered body, a rod connected to said piston and carrying said movable head, a pump contained in another chamber of said body for directing fluid pressure to the chamber receiving said piston; said piston chamber also providing storage space for said fluid, means for operating said pump; said second fixed member having ports and passages whereby the pumping action may deliver the body of fluid from the storage space to the pressure side of



said piston and one of said passages formed in the wall of said body and extending longitudinally of the chambered body with ports and passages affording communication between the same and the spaces of said piston chamber on both sides of said piston and said longitudinal passage, and means for closing one of said ports and passages during a testing operation.

2,001,712
PRESS MECHANISM
Richard W. Dinsl, Philadelphia, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation, a corporation of Delaware
Application January 8, 1931, Serial No. 507,498
11 Claims. (Cl. 153—10)

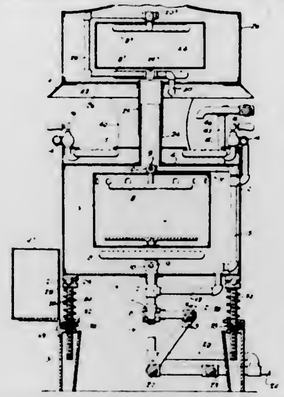


1. The combination with press mechanism including a movable press platen and means for imparting vertical movement thereto, of a flat plate overlying said movable press platen and hinged thereto at one side of the same, and self-releasing means attached to an upper stationary portion of said press mechanism for tilting said plate with respect to its hinged connection with the movable press platen as the latter starts to lower from the limit of its upward movement.

2,001,713
STOVE
Clement Ehret, White Plains, N. Y.
Application August 11, 1933, Serial No. 684,650
18 Claims. (Cl. 126—39)

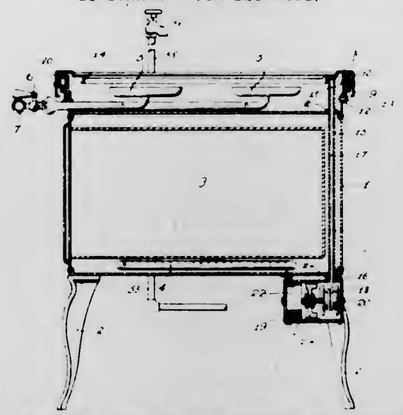
4. A stove embodying a stationary base, a stove body mounted on said base for vertical movement, and means for raising and lowering said stove body with respect to the stationary base, said stove body comprising a source of heat supply

supported on the stove body to be raised and lowered therewith, and means for supporting



cooking receptacles in cooperative relation to the heat source.

2,001,714
ROTATABLE TOP STOVE
Clement Ehret, White Plains, N. Y.
Application September 8, 1933, Serial No. 688,575
16 Claims. (Cl. 126—214)

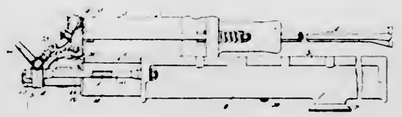


1. A stove comprising a stove body having a stove top adapted to support cooking receptacles and at least a portion of which top is rotatable relative to the stove body, and means tending to maintain and normally yieldably maintaining said rotatable portion of the stove top in predetermined angular position with reference to the stove body.

2,001,715
METHOD OF PREPARING ORGANIC DISULPHIDES
Herbert G. M. Fischer, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 13, 1931, Serial No. 537,175
11 Claims. (Cl. 260—16)

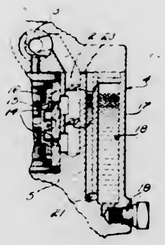
1. Process of preparing an organic di-sulphide, comprising reacting upon an alkyl mercaptan in caustic solution with oxygen at a pressure above atmospheric.

2,001,716
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 1, 1929, Serial No. 396,560
10 Claims. (Cl. 121—9)



1. In a rock drill, a guide shell, a drilling tool guided thereon, and feeding mechanism for the drilling tool including a reciprocable cylinder and a piston element and a connection between said reciprocable cylinder element and the drilling tool whereby the feeding speed of the latter is substantially multiplied.

2,001,717
LUBRICATING DEVICE
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 11, 1931, Serial No. 543,632
18 Claims. (Cl. 184—55)

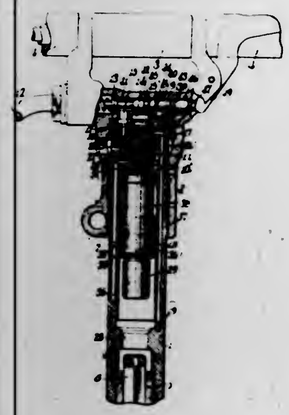


1. In a lubricating device, the combination with a pressure fluid motor having a fluid inlet passage within which pressure fluctuations occur during running of the motor, of means providing a lubricant reservoir, means forming a passage communicating at its lower end with the lower end of said reservoir and at its upper end with said fluid inlet passage, and means forming a relatively restricted passage connecting said second mentioned passage with the upper end of the lubricant reservoir.

2,001,718
ROCK DRILLING MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 31, 1932, Serial No. 614,495
22 Claims. (Cl. 121—10)

1. A pressure fluid motor comprising a cylinder, a piston therein, a fluid actuated valve controlling the movements of said piston and having an area normally subjected to constant pressure, a

throttle valve for controlling the fluid supply to said motor, and means controlled by said throttle



valve for venting the pressure supplied to said area to interrupt valve movement.

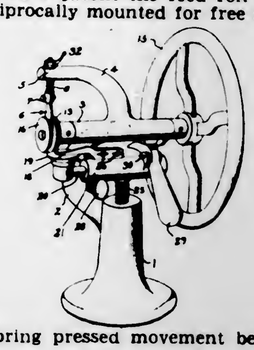
2,001,719
ANCHOR POST
Curtis Greene, San Diego, Calif.
Application August 29, 1932, Serial No. 630,880
7 Claims. (Cl. 189—30.5)



7. A fence post; a helically twisted anchor bar; and diagonally slotted means on the post through which the bar can be driven while in a diagonal position; the bar and the slot of said post means being shaped to co-act with each other to limit the movement of the bar in an anchoring direction.

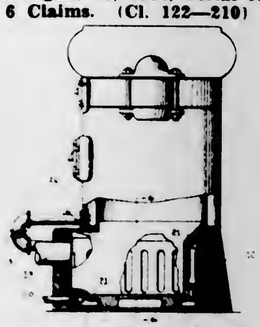
2,001,720
SHOE CHANNELING AND GROOVING MACHINE
Gedeon Gregoire, Southbridge, Mass.
Application June 28, 1931, Serial No. 547,027
14 Claims. (Cl. 12—27)

1. In a device of the character described, a feed roll, a lip shaping roll having a grooved peripheral edge adjacent the feed roll and cutter means reciprocally mounted for free sliding and



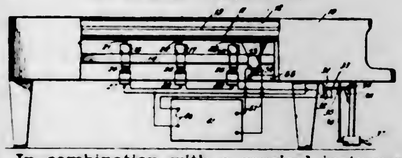
floating spring pressed movement between said rolls.

2,001,721
COMBUSTION CHAMBER HEATING DEVICE
Mora S. Hall, Baltimore, Md., assignor to May Oil Burner Corporation, a corporation of Maryland
Application August 26, 1932, Serial No. 630,543
6 Claims. (Cl. 122—210)



1. In a house heating boiler, a water compartment, a fire pot, a fluid fuel burner in said fire pot, a water lining for said fire pot comprising a vertical wall section and a separate bottom wall section, said wall sections and said water compartment being connected together for fluid circulation, and a coating of plastic refractory material attached to said wall sections, said coating being of adequate thickness to absorb heat and to radiate heat back to the flame of the burner and sufficiently thin to transfer heat therethrough to the fluid in the wall sections.

2,001,722
MUSICAL INSTRUMENT
John Hays Hammond, Jr., Gloucester, Mass.
Application August 15, 1929, Serial No. 386,155
Renewed June 11, 1932
17 Claims. (Cl. 84—1)



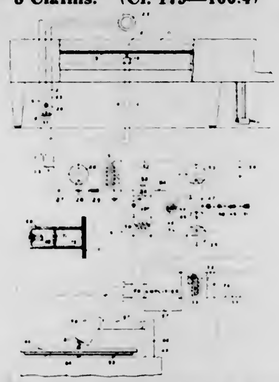
1. In combination with a musical instrument having a sounding board, a pick-up device associated with said sounding board and adapted to pick-up energy of vibration therefrom, means for amplifying said energy and means for applying said amplified energy to said sounding board so as to decrease the damping of the vibrations of said board.

2,001,723
REGENERATIVE PIANO
John Hays Hammond, Jr., Gloucester, Mass.
Application June 16, 1932, Serial No. 617,503
22 Claims. (Cl. 84—1)



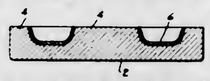
1. In combination with a musical instrument having a sounding board and strings, pickup devices associated with said soundboard and said strings, and adapted to pick up energy of vibration therefrom, means for combining and amplifying said energies and means for applying said amplified energy to said sounding board.

2,001,724
PIANO RECORDING
John Hays Hammond, Jr., Gloucester, Mass.
Application July 15, 1932, Serial No. 622,606
8 Claims. (Cl. 179—100.4)



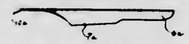
1. In a sound recording system, a piano, means for picking up the vibrations of said piano, an amplifier for amplifying said vibrations, means associated with said amplifier for varying the amplification factor of same in accordance with the input signal strength so that strong signals are amplified more than weak ones, said latter means being arranged so that its action is retarded so that the initial surge of energy caused by the striking of a note is amplified less than the remaining energy of said note and means for recording said vibrations on a sound record tablet.

2,001,725
ORNAMENTAL PANEL AND THE LIKE OF RUSTLESS STEEL AND VITREOUS ENAMEL
Henry H. Harris, Champaign, Ill.
Application October 21, 1931, Serial No. 570,270
4 Claims. (Cl. 41—30)



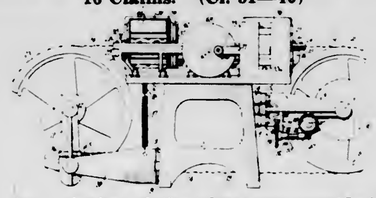
4. Article as in claim 1, and in which the coating applied to the recessed parts is of enamel melting at about 1200–2150° F. and the stainless alloy steel body that is heat treated contains chromium in the general neighborhood of 18% and nickel in the general neighborhood of 8%.

2,001,726
WRITING PEN
Lloyd S. Henwood, Merchantville, N. J., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
Application August 24, 1932, Serial No. 630,192
2 Claims. (Cl. 120—109)



1. The method of manufacturing a pen which includes forming a blank having wings or tabs at opposite sides of the writing tip, bending said wings or tabs downwardly approximately 90° at opposite sides of a central area lying substantially in the original plane of the blank, and thereafter slitting the tip portion of the pen intermediate said wings or tabs through said central area.

2,001,727
AUTOMATIC RAZOR EDGING MACHINE
Arthur J. Holman, Brookline, Mass.
Application November 4, 1929, Serial No. 404,713
16 Claims. (Cl. 51—40)

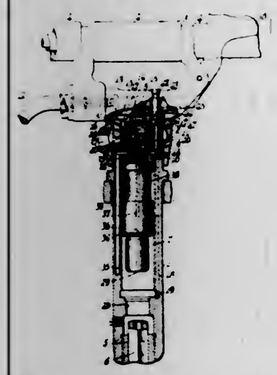


1. In a device of the character specified, the combination of means whereon a blade may be mounted, slidably mounted carriages supporting rotatable abrading means, means for so supporting and advancing said means whereon the blade may be mounted that the blade may be presented to said rotatable abrading means along a path of travel substantially parallel to the axis of rotation of said abrading means, and means for reciprocating said slidably mounted carriages along said axis simultaneously with the rotation of said abrading means.

2,001,728
ROCK DRILLING MOTOR
Mervin Chester Huffman, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 23, 1932, Serial No. 618,924
6 Claims. (Cl. 121—10)

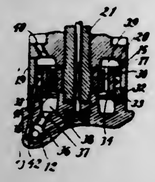
1. A pressure fluid motor comprising a cylinder having a bore, a piston therein, a fluid actuated distributing valve controlling the movement of

said piston, said valve having an area subjected to constant pressure and a larger opposed area subjected to a piston controlled reduced pressure, a passage connecting said last named area to the



cylinder bore, and means for interrupting operation of said valve and normal operation of the piston including means for supplying live pressure fluid to said larger area continuously and thence through said passage to the cylinder bore.

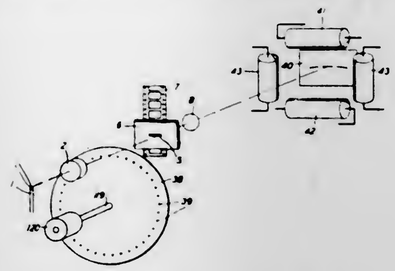
2,001,729
DRILLING APPARATUS
Mervin Chester Huffman, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 1, 1934, Serial No. 728,581
15 Claims. (Cl. 121—7)



1. In a rock drill, drill steel rotation mechanism including relatively rotatable ratchet and pawl carrier elements, operative connections between one of the same and a drill steel to be rotated, means for holding the other element against rotation, means for moving said latter element axially, and means movable axially with said latter element to effect engagement and release of the pawls of the pawl carrier element from the ratchet.

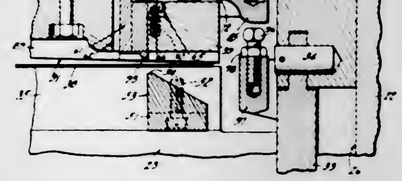
2,001,730
ELECTROOPTICAL SYSTEM
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1930, Serial No. 487,967
20 Claims. (Cl. 178—6)

1. An electro-optical system for producing an image in color from a color record comprising a screen, means for successively scanning elemental areas of the record with a moving beam of light passing therethrough to project each area in its natural color upon said screen, and a plurality of light sensitive devices each selective of light of a different color band and variably responsive to at least some of the radiations of different wave lengths constituting the band and activated by light reflected from said screen to cause the



simultaneous production of a plurality of separate image currents each representative at any instant of a different color characteristic of the area projected.

2,001,731
BLANK SHEARING APPARATUS
George R. Jeneson, Cincinnati, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 30, 1933, Serial No. 678,518
10 Claims. (Cl. 164—47)



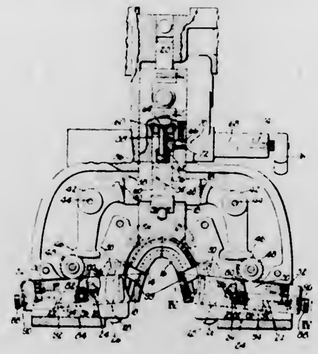
1. In an apparatus for cutting metal sheets to provide blank strips from which can ends and the like may be formed, the combination of opposed shearing dies for shearing longitudinal blank strips from said sheets, and opposed auxiliary dies associated with said shearing dies for cutting recovery pieces from said strips, one of said auxiliary dies being confined within a said shearing die until the latter has completed its shearing operation and being projectable into subsequent cutting operation by the movement of said shearing die.

2,001,732
MACHINE FOR SHAPING SHOE UPPERS
Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 26, 1934, Serial No. 722,539
20 Claims. (Cl. 12—4)

1. In a lasting machine, the combination with shoe-supporting means, of end-embracing wipers, means for imparting to said wipers bodily advancing movement lengthwise of the shoe, and guiding means for the wipers operative in response to the movement of the wipers lengthwise of the shoe

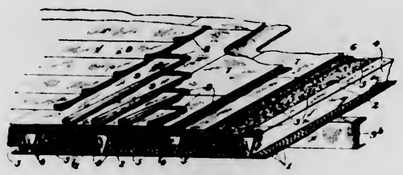
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to impart to them closing movements laterally of the shoe, said guiding means being adjustable



to vary the amount of the closing movements of the wipers.

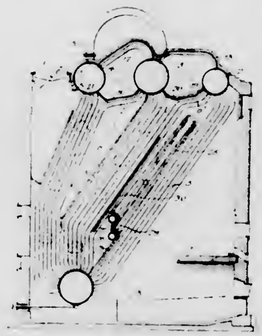
2,001,733
SOUND DEADENING STRUCTURE
George D. Kellogg, Pelham Manor, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 2, 1932, Serial No. 584,446
8 Claims. (Cl. 189—85)



1. A sound-deadening roof comprising in combination a supporting sub-structure, a metal deck in the form of sections provided each with a plurality of imperforate integral beams, flat portions of said deck, intermediate the beams, provided with a multiplicity of perforations adapted to admit incident sound, relatively effective sound-deadening material maintained in position above the perforations and between the beams, and a layer of thermal insulating material placed above the sound-deadening material and adapted to maintain the sound-deadening material in effective condition.

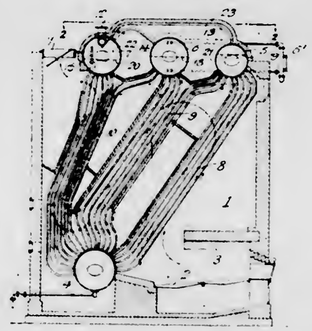
2,001,734
BOILER
Howard J. Kerr, Westfield, N. J., and Ivar L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application December 6, 1928, Serial No. 324,084
Renewed June 26, 1934
10 Claims. (Cl. 122—302)

1. In a Stirling type boiler, the combination of a rear steam off-take drum, a middle drum, a front drum, a lower drum, a baffle separating a high temperature gas pass from a low temperature gas pass, a first group of tubes in the latter gas pass directly connecting the lower and off-take drums and constituting the only direct connections between said drums, a second group of tubes in the low temperature gas pass directly connecting the lower and middle drums, a third group of tubes in the high temperature gas pass directly connecting the lower and middle drums, a furnace, a second baffle for the third group of tubes, a divided bank of tubes above the furnace and partly in front of the second baffle so as to be exposed to the radiant heat from the furnace



gases, a superheater located between the divisions of the said last mentioned bank of tubes, and steam circulators directly connecting the middle and off-take drums, said first and second groups of tubes constituting the only connections between the water spaces of the middle and off-take drums, said combination acting to decrease the water level in offtake drum with increase in capacity at which boiler is operated.

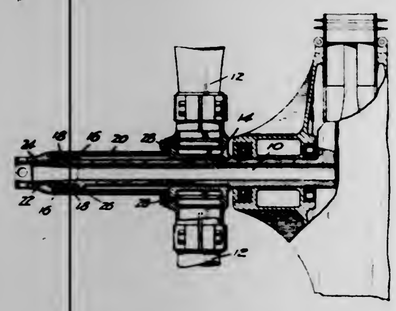
2,001,735
BOILER
Howard J. Kerr, Westfield, N. J., and Ivar L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application December 26, 1928, Serial No. 328,570
6 Claims. (Cl. 122—302)



1. In a water tube steam boiler, a boiler setting, a middle steam and water drum located between two similar drums at the top of the setting, tubes leading from said drums to a lower water chamber, primary baffles dividing the tubes into a plurality of separated banks located in separate gas passes extending through the setting, a lower number of tubes in a bank leading to a drum from which a greater number of tubes extend

downwardly through an adjacent gas pass of higher temperature, the tubes in a bank being bent at their upper ends so as to constitute diverging groups of tubes, secondary baffles located between adjacent upper drums and between said diverging groups of tubes, said secondary baffles forming gas pass walls guiding the furnace gases at their turns, a steam off-take connection communicating with the steam space of one of the upper drums, one of the upper drums having no steam circulators directly connecting it with one of the other upper drums, and steam circulators connecting the steam spaces of two of the upper drums, the only water circulator connections between the upper drums being through said groups of tubes which provide recirculation in the upper drums.

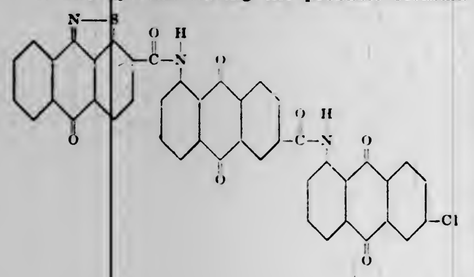
2,001,736
POWER TRANSMISSION DEVICE
John E. Larason, Dayton, Ohio
Application July 17, 1934, Serial No. 735,717
15 Claims. (Cl. 170—177)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a propeller having a hub portion, an engine shaft extending freely through and beyond said hub portion, and coupling means interconnecting the free end of said shaft and said hub portion for driving said propeller.

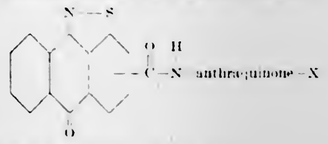
2,001,737
ANTHRAQUINONE DERIVATIVES
Ralph Norbeit Lulek, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1931, Serial No. 557,955
9 Claims. (Cl. 260—44)

3. The dyestuff having the probable formula



2,001,738
ANTHRATHIAZOLE-ANTHRAQUINONE CARBONYL IMIDES AND PROCESS OF PREPARING THEM
Ralph Norbert Lulek, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1933, Serial No. 691,247
15 Claims. (Cl. 260—44)

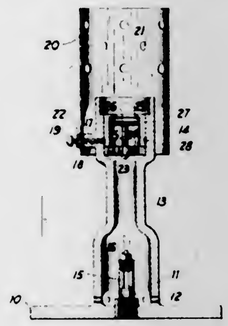
12. The compound having the formula



where X is a member of the group

and

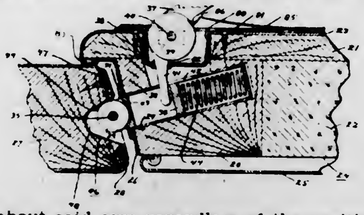
2,001,739
GAS BURNER
John R. MacGregor, Albany, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 3, 1933, Serial No. 691,904
6 Claims. (Cl. 158—112)



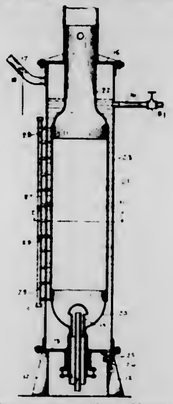
5. A gas burner comprising a vertical tube, means for introducing an air-gas mixture into said tube, a perforated baffle in said tube intermediate its length, a second baffle spaced above said first named baffle and of smaller diameter than the bore of said tube, and means above said second named baffle to direct said air-gas mixture toward the axis of said tube.

2,001,740
REFRIGERATOR LATCH
Hal W. McPherson, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application October 31, 1931, Serial No. 572,421
6 Claims. (Cl. 292—173)

5. A refrigerator latch including a pivoted handle, a latch means, a latch operating arm forming a part of said handle and extending into an opening, and a gasket of resilient material through which said arm extends to seal the opening about said arm regardless of the position of the handle.



2,001,741
TREATING HYDROCARBON OILS
Randolph J. McRae, New York, N. Y., assignor to Radial Hydrocarbon Processes, Inc., a corporation of Delaware
Application October 29, 1928, Serial No. 315,699
11 Claims. (Cl. 196—63)



1. A process for converting liquid hydrocarbon oil into products of lower boiling points which comprises circulating the oil peripherally in a stationary annular chamber the inner wall of which is a heating member, the velocity of the liquid oil being such as to cause a higher pressure on the outside of the said annular chamber and a resulting film of lighter vapors between the liquid oil and the said inner wall.

9. In an apparatus for converting hydrocarbon oils into products of lower boiling points, the following elements in combination: A heating chamber; means for applying heat thereto; an annular chamber surrounding said heating chamber but having no direct communication therewith; means for introducing hydrocarbon oil into said annular chamber; and means for introducing steam into said annular chamber in a tangential direction, whereby oil contained therein is set in rotary motion.

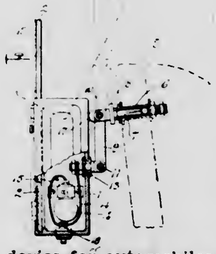
2,001,742
MANUFACTURE OF ARTIFICAL SILK
Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 17, 1934, Serial No. 721,044
3 Claims. (Cl. 18—54)

1. The method of producing artificial silk thread and the like of substantially uniform denier, and having improved dyeing properties by gradually increasing the elongation of the thread as it is formed into a package which comprises the steps of extruding the same through a coagulating bath and stretching the thread in its path of travel between the point of extrusion and a collecting device by contacting the thread with a driven godet wheel in such a manner that slippage is permitted thereon, causing the thread



to contact with a second godet wheel rotating at a higher peripheral speed, said contact being sufficient to prevent slippage, and changing the speeds of propulsion of the godet wheels during the spinning period whereby a gradual increase in stretch of the thread is obtained while said slippage compensates for tension variations occurring within and during the path of travel of the said thread.

2,001,743
MIRROR DEVICE
Willard L. Morrison, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application October 22, 1931, Serial No. 570,369
2 Claims. (Cl. 240—4.1)

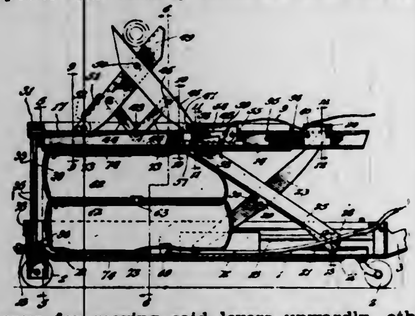


1. A mirror device for automobiles comprising a casing, a mirror mounted in said casing, a light transmitting section below said mirror, a light back of and opposed to said light transmitting section, an electrical receptacle on the automobile, an electrical connection and supporting device adapted to be detachably connected with said receptacle and electrically connected with said lamp, said device including a link connection with said casing, arranged so that the casing may be moved upwardly to a position of use and downwardly out of the way when not in use.

2,001,744
LIFTING JACK
James M. Patterson, San Antonio, Tex.
Application July 20, 1933, Serial No. 681,352
10 Claims. (Cl. 254—2)

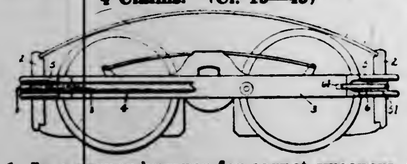
1. A lifting jack comprising a platform, a deck supported above the platform, means for raising and lowering the deck, gripping levers pivoted to-

gether near their working ends and having their opposite ends slidably connected with the deck,



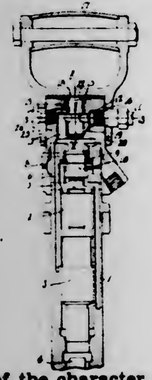
means for moving said levers upwardly, other means for moving the levers downwardly, and means for holding the levers in a set position.

2,001,745
BUMPER FOR CARPET SWEEPERS
Fred W. Fullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Application January 8, 1932, Serial No. 585,422
4 Claims. (Cl. 15—45)



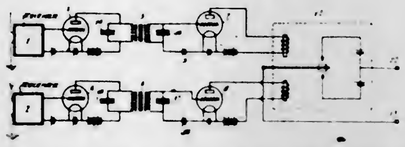
1. In a corner bumper for carpet sweepers, the combination with a naturally straight resilient member of U-cross section, of a metallic strap engaging the web of said member and secured at its ends to the case of the sweeper, the sweeper case having a transverse corner notch or indentation into which said member is forced by said strap.

2,001,746
LUBRICATOR
John L. Reilly, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 9, 1934, Serial No. 705,909
3 Claims. (Cl. 121—13)



1. In a tool of the character described, a motor including a cylinder and a piston reciprocable therein, a rear head block for said cylinder, a tool supporting member slidably guided on said rear head block, said head block having parallel chambers, a plunger valve reciprocable in one of said chambers and engageable with said tool supporting member and actuated by the latter for controlling the supply of motive fluid to said cylinder, said valve having a recess for receiving lubricant and for conducting motive fluid and said head block having therein a passage controlled by said valve for supplying motive fluid to said cylinder, said other chamber constituting a lubricant reservoir, and passage means controlled by said valve for supplying lubricant from said reservoir for delivery to the motive fluid supply passage, said lubricant reservoir communicating through said passage means with said plunger valve recess when said valve is in one position and said plunger valve recess communicating with said motive fluid supply passage when said plunger valve is in another position.

2,001,747
RECEIVING APPARATUS
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 8, 1930, Serial No. 466,427
In Germany August 20, 1929
5 Claims. (Cl. 250—8)



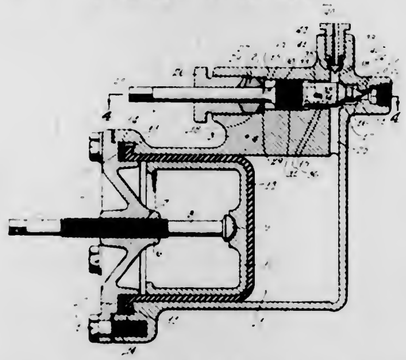
1. The method of producing currents truly representative in electrical length to the marking and spacing impulses sent out at different frequencies by a transmitting system which includes the steps of, separately receiving said marking and spacing frequencies, rectifying each of said received frequencies to produce unidirectional current impulses, and producing by means of said unidirectional impulses a current flow whose initiation is simultaneous with inception of said impulses but whose duration is independent of the length of said impulses.

2,001,748
CONTAINER CLOSURE
Arthur A. Saalbach, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 23, 1931, Serial No. 524,563
9 Claims. (Cl. 220—46)



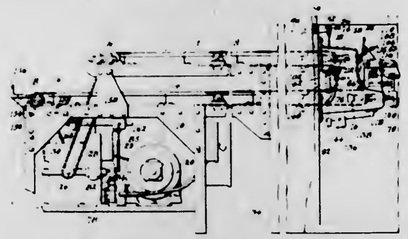
4. The combination of a container, a cover adapted to be compressed thereon, and an annular tubular gasket clamped at its outer portion to the cover and free relative to the cover at its inner portion.

2,001,749
VALVE ASSEMBLY FOR COMPENSATORS
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application April 11, 1932, Serial No. 604,504
10 Claims. (Cl. 60—54.6)



1. In braking systems operative under hydrostatic conditions and including a pair of individual service lines, a fluid pressure cylinder and piston for each line, means for concurrently actuating the pistons during the brake application cycle, and a supply and regulating unit and its casing, said unit including a supply chamber, individual connections between the unit and the several cylinders, a valve seat between the unit entrances of said individual connections, a valve seat intermediate said supply chamber and one of said entrances, a single manually-operated valve unit for controlling both seats, said valve unit forming the sole control between the supply and the service lines, and pressure means within the supply chamber and operable at will, whereby the valve unit in open position is operative to provide communication between the supply and both cylinders to permit equalization of pressure in the service lines and supply concurrently.

2,001,750
SHOE-CONVEYING SYSTEM
August R. Schoenky, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 24, 1929, Serial No. 416,242
23 Claims. (Cl. 198—20)



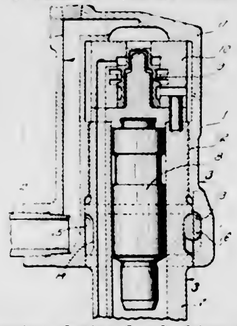
1. The combination with an endless conveyer upon which shoes on lasts are placed bottom down, of a member situated at the delivery end of the conveyer and arranged for co-operation with the cone of each last to hold it against tilting forward as it passes over the end of the conveyer.

2,001,751
VEHICLE
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 25, 1932, Serial No. 619,226
18 Claims. (Cl. 105—364)



1. In a vehicle of the class described, an axle, wheels mounted thereon on opposite sides of the vehicle, a continuous web forming the main elements of the vehicle underframe and also forming a seamless floor having a lower part between said wheels and below the level of the tops thereof, said floor including a portion inclined upwardly from said lower part longitudinally of the vehicle to facilitate the discharge of the vehicle load through the end of the vehicle when the vehicle is tilted longitudinally there being axle mounted structure at the sides of said floor lower part, and floor portions extending upwardly from said floor lower part and outwardly over said axle mounted structure and at substantially the same level from end to end of the vehicle.

2,001,752
SECURING DEVICE
Frank E. Sinclair, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 23, 1931, Serial No. 539,512
8 Claims. (Cl. 287—125)



1. A securing device for locking the threaded joint between a pair of relatively rotatable parts against loosening comprising means forming a slot in one part, means forming an annular groove in the other part, and a wedge driven in the space formed by said slot and groove and acting to effect relative movement of said parts in a direction axially of said threaded joint, to bind the threads.

2,001,753
COATED COPPER ARTICLE AND METHOD OF MAKING THE SAME
Robert R. Tanner, Highland Park, and John S. Thompson, Detroit, Mich., assignors to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 4, 1934,
Serial No. 728,978
5 Claims. (Cl. 148—6)

1. An article having a surface of copper or copper alloy coated with a substantially integral

coating of a salt of copper and acid of the group consisting of dicarboxylic and hydroxydicarboxylic acids of the aliphatic series and carboxylic acids, having one carboxyl group, and sulphonic acids of the aromatic series, and benzene phosphonic acid.

2,001,754

METHOD AND MATERIAL FOR PRODUCING PHOSPHATE COATING

John S. Thompson and Van M. Darsey, Detroit, Mich., assignors to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application March 27, 1933, Serial No. 662,998
11 Claims. (Cl. 148—6.5)

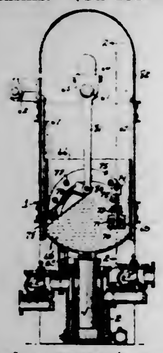
1. A process of coating iron or steel which consists in forming a solution containing acid phosphates and a nitrate of an alkali metal, immersing in the solution articles having surfaces of iron or steel, and maintaining the strength of the solution by adding thereto acid phosphates and a nitrate of an element of the class that consists of magnesium, calcium, barium, strontium, manganese, zinc, cadmium and iron, which enter into the coating as bases of phosphates.

2,001,755

MECHANICAL MOVEMENT

Richard H. Wainford, Trenton, N. J.

Application April 14, 1933, Serial No. 666,193
8 Claims. (Cl. 185—7)



1. A mechanical movement comprising a vertically reciprocatory element, a motor driven crank shaft, a connecting rod coupled thereto, a weight member for gravitally impelling the reciprocatory element in one direction, a beam pivotally connected at one end to the weight member and pivotally and slidably connected at one end to the weight member for a limited independent swinging motion with respect thereto, a rocker arm pivotally connected at one end to the weight member and at its opposite end to the connecting rod and movable by said rod to lift the beam, and a retarding and cushioning means associated with said sliding and pivotal connection and comprising a rocker member having a cushioning chamber therein and a piston movable into and out of said chamber.

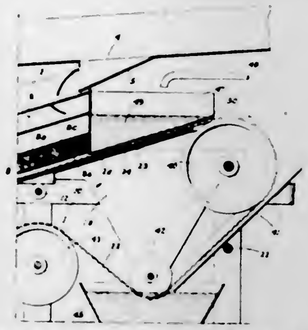
2,001,756

MINERAL SEPARATOR

Walter R. J. Woock, Auburn, Calif.

Application August 11, 1933, Serial No. 684,685
1 Claim. (Cl. 209—44)

A mineral separator comprising an inclined sluice box, screening elements arranged therein, a riffle belt one run of which is adapted to move through the box under the screening elements, a flushing tank, the other run of the belt being adapted to move through such flushing tank, means to impart vibration to the box and belt, means to impart motion to the belt in the



direction of the high end of the box, a water pan on the box at its high end, the uppermost end of the pan being open at a level just above the belt, and means to maintain water in the pan to the level of such open end thereby with the vibration of the pan water will be washed over such end onto the belt.

2,001,757

APPARATUS FOR AND PROCESS OF MAKING CYLINDRICAL BODIES

Carl M. Yoder, Lakewood, Ohio, assignor of one-half to Harvey O. Yoder, Lakewood, Ohio

Application October 4, 1930, Serial No. 486,499
22 Claims. (Cl. 153—54)



1. The herein disclosed process of shaping metal blanks into cylindrical form which consists in feeding a metal blank to and through a plurality of passes and first conditioning and finishing the opposite longitudinal side edges of the blank, then in simultaneously bending the opposite outer side portions of the blank on longitudinal lines to curve said portions on predetermined radii and permitting spring-back of the curved portions to larger radii following the bending thereof, respectively to larger radii, then in bending progressively inwardly increments of the blank on longitudinal lines into curved shape on radii equal to said first mentioned predetermined radii and permitting spring back of the curved increments following the bending thereof, respectively, to said larger radii, and finally bending the central longitudinal portion of the blank.

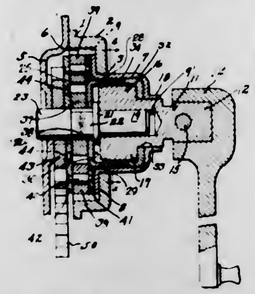
3. In apparatus of the class described, the combination of a support, standards on said support, sets of rolls rotatably mounted in said standards and between which a metal blank is passed, said sets of rolls operating to successively bend progressive portions of the blank from its opposite sides inwardly into curved form, and a pair of rolls disposed at opposite sides of one of said sets of rolls and substantially in the plane thereof for maintaining the curvature of the previously bent portions of the blank and for relieving pressure of the metal blank on the adjacent rolls.

2,001,758

CLUTCH MECHANISM

Alois J. Zwierzina, Detroit, Mich., assignor to Ackerman-Blaesser-Feszey, Inc., Detroit, Mich., a corporation of Michigan

Application November 22, 1932, Serial No. 643,906
2 Claims. (Cl. 192—8)



1. A clutch mechanism comprising a housing of L-shaped form in cross section, the peripheral wall of which is internally toothed and the lateral wall of which has a central aperture, a second housing having a body fitting the said aperture and a flange overlying the inner face of the wall of the L-shaped housing, and notched to engage the said teeth thereof, a driving member in the second housing, a driven member having a part extending into the second housing, an expandable coiled spring connected with the said extending part of the driven member and associated with the driving member, said spring normally expanding in frictional contact with the inner wall of the second housing to normally hold the driven member from rotating the driving member and releasable by rotation of the driving member in either direction to thereby drive the driven member, a driving gear in fixed relation with the driven member, a driven gear loosely mounted to turn on the axis of the driving member, a disc to which the driven gear is secured, and pinions on the disc intermediate the driving gear and the internal teeth of the L-shaped housing whereby, through rotation of the driving element, the driven gear is rotated at a less speed.

2,001,759

TYPEWRITING MACHINE

Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a corporation of New York

Application August 18, 1933, Serial No. 685,693
3 Claims. (Cl. 197—74)



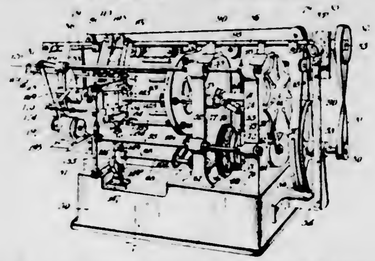
1. A typewriting machine having a main frame, a type basket supporting shift frame, means on said frames forming two up and down extending ball races spaced apart transversely of the machine, a single bearing ball in each ball race for supporting the shift frame for sliding and pivotal movement, a rock shaft journaled on the main frame and extending transversely of the machine, a pair of parallel rearwardly extending rock arms on said shaft, horizontal transversely extending pivots connecting the rear ends of said rock arms to the shift frame at a level below the ball races, cooperating stop means on the main and shift frames for limiting up and down movements of the shift frame, a bellcrank fixed on said rock shaft having a forwardly extending arm and an upwardly extending arm, a spring connected to said upwardly extending arm of the bellcrank and to the main frame for rocking the shaft in one direction, a key lever fulcrumed on the main frame having a rearwardly extending arm provided with a longitudinal slot and also having a forwardly extending arm, a shift key carried by the forwardly extending arm of the key lever, and a horizontal transversely extending stud carried by the forwardly extending arm of the bellcrank and engaged in the slot in the rearwardly extending arm of the key lever.

2,001,760

METHOD AND MACHINE FOR PROCESSING COLLAPSIBLE TUBES

Edwin H. Barker, Moylan, Pa., assignor to A. H. Wirz, Inc., Chester, Pa., a corporation of Pennsylvania

Application August 31, 1931, Serial No. 560,408
20 Claims. (Cl. 113—44)



1. In a machine for treating collapsible tubes, a rotatable head, tube carriers thereon each comprising a sleeve having a bore of two different diameters having a shoulder at the juncture of the two bores, a mandrel surrounding a sleeve and rotatable thereon, a plunger axially movable through the center of the sleeve and having a reduced portion sliding in the reduced bore of the sleeve with a shoulder at the beginning of the reduced portion presented toward the shoulder of the sleeve and a spring within the sleeve, surrounding the reduced portion of the plunger and having opposite ends resting against the two shoulders.

20. The method of freeing a die from the threads of a collapsible tube nipple and from the breast of the tube against which the die has pressed during the threading operation, which consists in drawing the parts of the die away from their threading position at an angle to the axis of the tube, between an angle prependicular to the breast of the tube in the middle of the acting surface of the die and perpendicular to the axis of the tube at the same point.

2,001,761

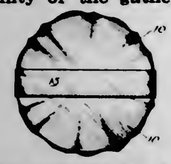
PACKAGING OF LOAF-LIKE BAKERY GOODS

Velma M. Bear, Kansas City, Mo., assignor to Schulze Baking Company, Kansas City, Mo., a corporation of Illinois

Application July 31, 1933, Serial No. 683,001
1 Claim. (Cl. 229—87)

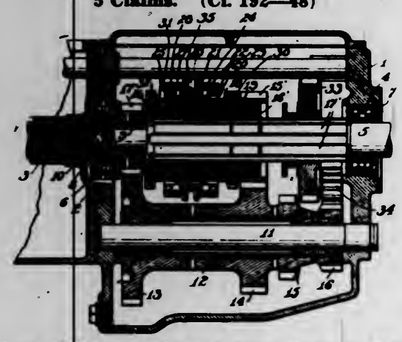
The combination with a bakery product in loaf-like form having a transparent wrapper of regenerated cellulosic sheet material gathered and folded upon itself at its bottom, of a transparent

strong and flexible band of regenerated cellulosic sheet material passing completely around the form outside the wrapper where gathered and folded, the ends of the band being adhesively secured directly one to the other and the band being adhesively secured to the wrapper in the immediate vicinity of the gathered and folded



portion of the wrapper, the band being free from adhesion to the wrapper at the sides and top of the form and being of extremely narrow width relatively to the form, whereby the band serves to hold the folds of the wrapper in position and elsewhere on the form serves as a bail while at the same time the form may be seen through the band and wrapper.

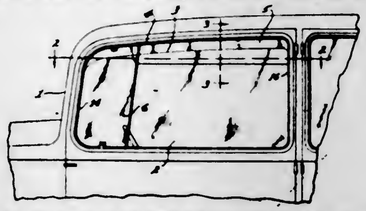
2,001,762
AUTOMOBILE TRANSMISSION MECHANISM
Howard E. Blood, Detroit, Mich., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind., a corporation of Delaware
Application January 20, 1930, Serial No. 421,937
5 Claims. (Cl. 192—48)



1. A structure adapted for use in a vehicle transmission which includes gear elements, said structure comprising drive and driven members, a normally disconnected one-way clutch unit, and means movable with respect to said one-way clutch unit and with respect to each of said gear elements of the associated transmission for rendering said one-way clutch unit operative to connect said members, said means being also operable to connect said members independently of said one-way clutch unit.

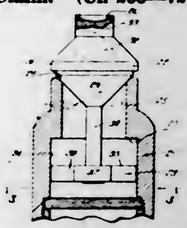
2,001,763
MEANS FOR VENTILATING THE INTERIOR OF AUTOMOBILE BODIES
John M. Benbright, Detroit, Mich.
Application November 27, 1933, Serial No. 699,853
2 Claims. (Cl. 296—44)

2. A ventilating means for use in conjunction with closed automobile bodies having a window opening, comprising the combination with a pair of channel strips mounted in the window opening in side by side relation, a vertically movable glass member for closing the window opening and movable into or out of one channel strip and a transparent shield member secured in the other channel strip and extending below the upper edge of the window opening a comparatively short distance and further extending from the rear vertical side of the opening and terminating at a distance from the forward vertical side thereof, a lug struck downwardly from the channel strip



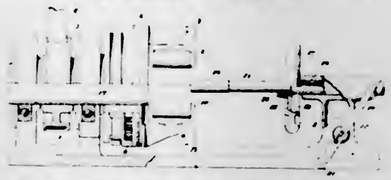
for the transparent shield member, said lug engaging the forward edge of the transparent shield member and supporting the same in the respective channel strip.

2,001,764
CORE DRILL AND VALVE THEREFOR
Leonard Bradley, Whittier, Calif., assignor to Howard W. Stepp, Whittier, Calif.
Application July 27, 1932, Serial No. 625,145
1 Claim. (Cl. 255—72)



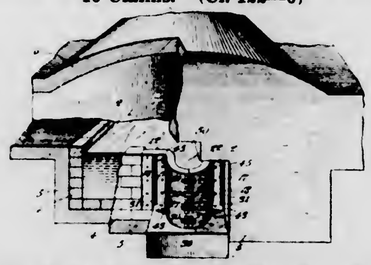
In a core drill on the lower end of a drilling string, having a core receiving barrel open at its lower end, and valve means on the upper end of the barrel operatable to prevent fluid from passing downwardly into the barrel and to permit fluid to pass upwardly out of the barrel, said means including a seat on the upper end of the barrel, a valve member cooperating with said seat to seal therewith, said valve member comprising a stem for guiding the valve member for limited vertical and lateral movement, and a seat in the top of the valve member for receiving a device of the character described lowered in the drilling string.

2,001,765
MANUFACTURE OF HOLLOW ARTICLES FROM PLASTIC MATERIALS
Kurt Bratring, Berlin-Charlottenberg, Germany
Application November 30, 1932, Serial No. 644,942
10 Claims. (Cl. 18—2)



6. In an apparatus of the character described, in combination, a reciprocable member for yieldingly supporting a mold and a molded article carried thereby, a revoluble member carried by a support in turn rotatable substantially axially of said mold, and means for bringing said revoluble member into pressure engagement with said molded article.

2,001,766
GLASS FURNACE
Banks D. Brown, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a corporation of Delaware
Application March 29, 1933, Serial No. 663,265
16 Claims. (Cl. 122—6)



1. In a device of the class described, the combination in a furnace having an opening at one end of a plurality of cooling jackets in vertical alignment with the back wall of the furnace, said jackets fitting into the opening and having a curved part extending outwardly therefrom to provide a chamber for feeding raw materials to the furnace.

2,001,767
OCTYLSALICYLIC ACID
Herman A. Bruson, Germantown, and Otto Stein, Drexel Hill, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 1, 1931, Serial No. 566,314
4 Claims. (Cl. 260—111)

1. In the process for making a secondary octylsalicylic acid the step which comprises condensing salicylic acid with a member of the group consisting of octanol-1 and octanol-2, in the presence of aqueous sulfuric acid of between 70 and 85 percent H_2SO_4 content.

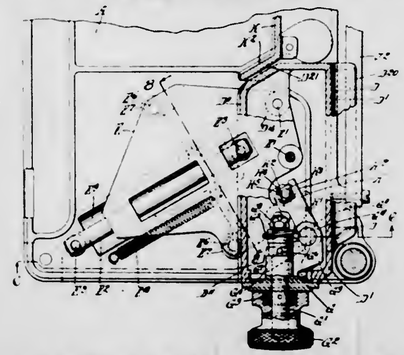
3. A new product, secondary octylsalicylic acid, said product being a crystalline compound insoluble in water which melts when pure at about 120° C.

2,001,768
METHOD AND APPARATUS FOR IMPREGNATING MATERIAL
James H. Campbell, Somerville, Mass., assignor to James D. Moore, Dorchester, Mass.
Application March 15, 1933, Serial No. 660,867
17 Claims. (Cl. 12—1)



1. The method of treating sheet material comprising irregularly matted animal fibers which comprises arranging substantially imperforate protective material across one surface and about the peripheral edges of the sheet, embedding these edges in the protective material and applying to the other surface of the sheet a liquid comprising an ingredient adapted to increase the utility of the sheet.

2,001,769
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Application February 14, 1931, Serial No. 515,689
2 Claims. (Cl. 146—102)

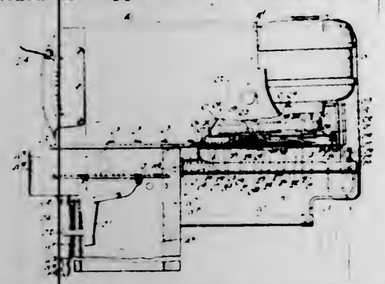


1. In a slicing machine which includes a base, a knife mounted on said base and means for actuating it, a gauge plate, a work support, and means for guiding said work support across the face of said gauge plate and past the cutting edge of the knife along a path in parallelism with the forward face of the gauge plate, and means for varying the position of the gauge plate, including a gauge plate support, a manual control member mounted thereon and movable therewith and a driving connection adapted, in response to movement of said manual control member, to move the gauge plate support toward or away from the cutting plane, said driving connection including a lever pivoted to said support, a connection between said lever and the base, said lever being rotatable about said connection, and means for rotating said lever in response to movement of said manual control member, and means for permitting longitudinal movement of the lever in relation to its connection with the base, said means including a block rotatable about the axis of connection between the lever and the base, and a sliding connection between said lever and the block.

2,001,770
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Application November 2, 1932, Serial No. 640,784
10 Claims. (Cl. 146—102)

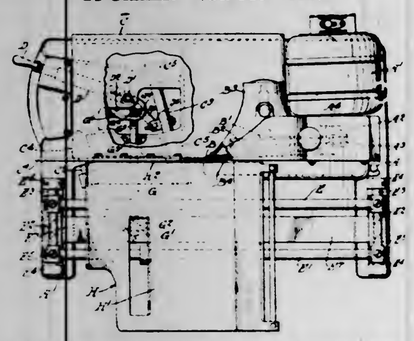
1. In a slicing machine including a base, a knife thereon and means for actuating it, and a carriage and means for guiding the carriage past the cutting edge of the knife, a guard plate for the forward face of said knife and a frame portion extending upwardly from said base, adapted to support said guard plate, and means for securing said guard plate on said frame portion, including securing pins adapted to receive

the lower edge of said guard plate, a plurality of plate engaging members on said pins, yielding means for thrusting them together against opposite sides of the plate, said members being provided with opposed bevelled faces adapted to



permit ready penetration of the guard plate therebetween, said bevelled faces being flared widely apart when said plate engaging members are in contact with each other, and additional means for securing the upper edge of the guard plate.

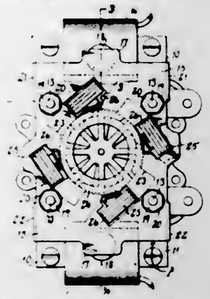
2,001,771
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Application January 15, 1934, Serial No. 706,717
14 Claims. (Cl. 146—102)



1. In a slicing machine, a base, a knife mounted on the base and means for actuating it, a gauge plate and means for actuating it, a carriage and guiding means for guiding said carriage across the face of the gauge plate and past the cutting edge of the knife, and means for varying the distance between the carriage and the cutting plane of the knife in response to movement of the gauge plate.

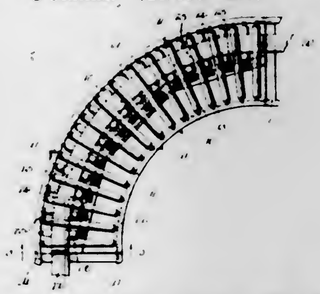
2,001,772
ALTERNATING CURRENT MOTOR AND THE LIKE
Elof L. Carlson, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application December 19, 1933, Serial No. 703,031
5 Claims. (Cl. 172—275)

5. In an alternating-current motor, the combination with the rotor thereof; of a stator-structure having two electromagnet-coils located on opposite sides of the said rotor and a pole-member of magnetic material for each of the said coils; and stabilizing-means of non-magnetic material extending between the pole-members



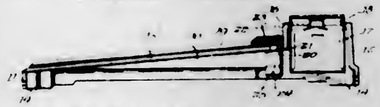
of the respective coils and pressing against both of said coils to stabilize the same.

2,001,773
CONVEYER CURVE
Linus R. Collar, Chicago, Ill., assignor, by direct and mesne assignments, to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application April 8, 1931, Serial No. 528,508
8 Claims. (Cl. 198—127)



5. A curved, live roller conveyer comprising a series of load supporting and transporting live rollers, a belt having flat sides for driving the live rollers, the belt being curved laterally in the direction of its width to follow the curve of the conveyer, and means for holding the belt in flatwise driving engagement throughout its width with the live rollers on the curve.

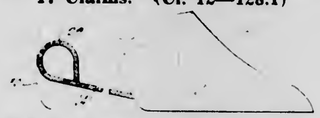
2,001,774
DESK PAD HOLDER
Frank C. Dell, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application November 27, 1933, Serial No. 699,852
3 Claims. (Cl. 281—44)



1. In a desk pad holder, the combination of an integral frame comprising a head, a pad base and supporting legs, a pad-holding clip extending horizontally over the upper end of the base, a vertical projection from the middle portion of the clip extending downward through the base and terminating in a horizontal shelf, and a spring seated on the shelf and bearing at its upper end against the bottom of the base.

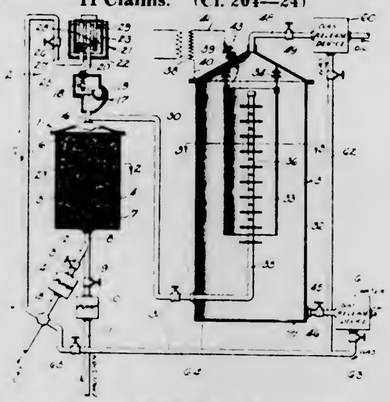
3. In a desk pad holder, the combination of an integral non-metallic frame having a head piece adapted to receive and hold a container, a pad base and supporting legs, said legs having non-circular recesses therein, and resilient feet seated in said recesses, said feet being normally circular in cross section.

2,001,775
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application January 19, 1933, Serial No. 652,463
17 Claims. (Cl. 12—128.1)



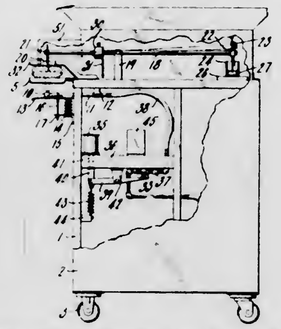
1. A shoe form comprising a hollow toe portion having side walls, a cross brace connecting said walls and consisting of sections movable toward and away from a position of alignment to expand or contract the walls of the toe portion, tongues projecting from the inner end of each cross brace section and having apertures therein and a back part member comprising a wire the forward end of which is passed through the apertures in both said tongues and headed, the headed end of the member acting upon one of said tongues to move the sections positively away from the position of alignment when the member is retracted, and a spring surrounding said wire and bearing against the other tongue to move said sections yieldably toward such position when the member is advanced, the wire moving forwardly through said apertures.

2,001,776
METHOD AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS
Harold C. Eddy, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application April 18, 1932, Serial No. 605,910
11 Claims. (Cl. 204—24)



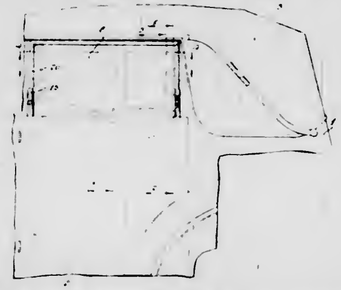
1. A method of dehydrating a viscous and oxidized emulsion, which comprises: simultaneously forcing said emulsion and a gas through a filter material under pressure to alter the surface tension of said emulsion; and subjecting said emulsion to the action of a high potential electric field.

2,001,777
TUBE INFLATING MACHINE
Ernst Eger, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 29, 1932, Serial No. 644,790
3 Claims. (Cl. 152—11)



1. Inflating mechanism for an assembled tube and valve stem comprising means for clamping a valve stem, spaced means disposed adjacent to the clamping means for limiting the local inflation of the tube, and means for engaging the tube intermediate the spaced limiting means for controlling the supply of fluid to the tube.

2,001,778
WINDOW ASSEMBLY FOR AN AUTOMOTIVE VEHICLE
Herbert C. Field, Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 23, 1933, Serial No. 662,217
4 Claims. (Cl. 296—48)



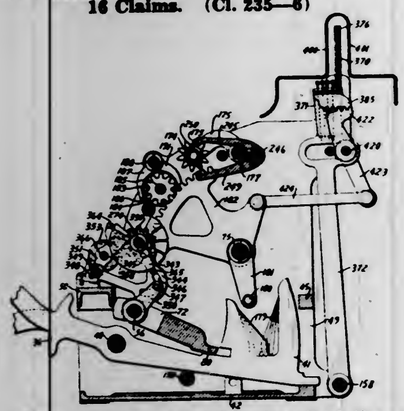
1. A window assembly for an automotive vehicle of the type having an opening and a window well beneath the said opening comprising a window panel for closing the window opening when in raised position and arranged to retreat into the window well, a weatherstrip mounted in the window opening for sealing the edges of the window panel when in raised position, a guide channel for each of the vertical edges of the panel positioned entirely within the window well for guiding the panel below the belt, a flexible lining for the guide channel, a sash for each of the vertical edges of the window, and an extension for the sash projecting beneath the lower edge of the window panel, a cam plate carried by each sash projection, and means mounted in the upper portion of the window well for engaging the cam plate as the window is raised to

closed position for tilting the window inwardly of the window opening into sealing engagement with the weatherstrip.

2,001,779
CASH REGISTER

John P. Frank, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application January 28, 1926, Serial No. 84,250. Divided and this application March 13, 1930, Serial No. 435,456
16 Claims. (Cl. 235—6)

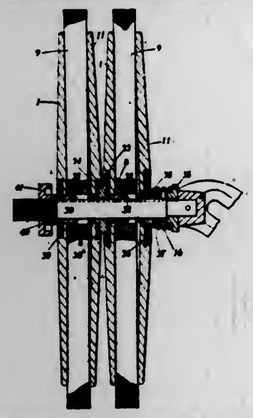


1. In a machine of the class described, the combination of a plurality of lever keys, an actuating member adapted to be differentially operated by said keys, a plurality of rotatable members operated by said actuating member, a plurality of counting devices appropriate to said lever keys, and a plurality of counting device actuating means selectively operated under control of said rotatable members.

2,001,780
MEANS FOR CONTROLLING THE TENSION ON STRIPS OF FLEXIBLE MATERIAL DRAWN FROM FLAT COILS

Francis Henry Fry, Gravesend, England, assignor to W. T. Henley's Telegraph Works Company, Limited, London, England, a British company

Application April 22, 1930, Serial No. 446,286
In Great Britain May 10, 1929
6 Claims. (Cl. 242—75)

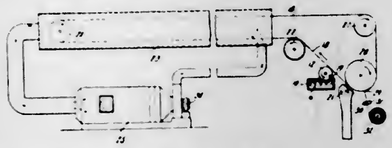


4. A device for controlling the tension of strip material as it is being drawn off from a flat coil comprising a coil carrier adapted to make a comparatively close fit with the coil and having two discs between which the coil is adapted to be placed, and one of the discs having a dished inner surface so as to make contact with the coil only at the radially outer part of the latter, and means for applying a gradually reducing lateral pressure to the coil through the discs.

2,001,781
APPARATUS FOR MAKING RUBBER THREAD

John R. Gammeter, Akron, Ohio, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 6, 1932, Serial No. 627,744
3 Claims. (Cl. 18—15)



1. An apparatus for making strip rubber comprising a travelling liquid impervious surface, a grooved roller for applying a film of rubber-containing fluid thereon, means for drying the rubber film, means for removing the dried film in strip form from the surface, and means for cleaning the bare surface as it advances.

2,001,782
FILLER FOR QUILTS OR THE LIKE

Joseph Goodstein, New York, N. Y.

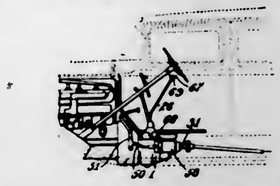
No Drawing. Application November 13, 1934, Serial No. 752,833
4 Claims. (Cl. 19—146)

4. As an article of manufacture, a filler for quilts or coverlets in the form of a defined fluffy and resilient layer incorporating down of birds of the duck family intermingled and interlocked with fibrous material.

2,001,783
FREE WHEELING TRANSMISSION AND CONTROL THEREFOR

Harry J. Heck and John M. Simpson, Muncie, Ind., assignors, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind., a corporation of Delaware

Application November 27, 1931, Serial No. 577,562
19 Claims. (Cl. 192—48)

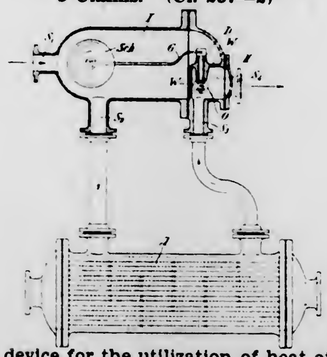


19. In an automotive vehicle, the combination of a clutch, means movable to release the clutch, a member driven by the clutch, an overrunning drive between the clutch and the driven member, means for locking out the overrunning drive, means interconnecting the clutch-releasing means and the locking-out means, and means controllable at will for rendering the interconnecting means effective and ineffective.

2,001,784
APPARATUS FOR UTILIZING HEAT OF CONDENSATES

Wilhelm Hofmann, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application March 17, 1934, Serial No. 716,106
In Germany December 12, 1932
3 Claims. (Cl. 257—2)



1. A device for the utilization of heat of waste condensates comprising a vessel for receiving the condensate at its initial pressure, a heat exchanger in pressure communication with said vessel, a pressure check device located at the exit side of the condensate from such heat exchanger adapted to reduce the pressure of said condensate, and means for controlling the flow of said condensate through said pressure check device so as to render it commensurate with the supply of condensate to said receiving vessel.

2,001,785
METHOD OF MAKING INFLATABLE ARTICLES

Victor H. Hurt, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 29, 1933, Serial No. 678,148
5 Claims. (Cl. 154—2)



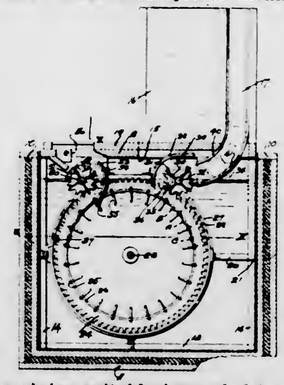
1. A process for making inflatable articles which comprises superposing two sheets of rubber stock, completely cutting out therefrom two superposed segments of the article and simultaneously seaming together a portion of their edges to form one element, repeating said last operation on another portion of superposed stocks to form a second element, opening one of said elements along its free cut edge and inverting it, associating the inverted element with the other one with free cut edges of both elements superposed and substantially in registry, and cut-seaming together the registered cut edges.

2,001,786
BOTTLE DISPENSING APPARATUS

Clyde H. Karnaghan, Memphis, Tenn.

Application March 31, 1934, Serial No. 718,377
3 Claims. (Cl. 312—36)

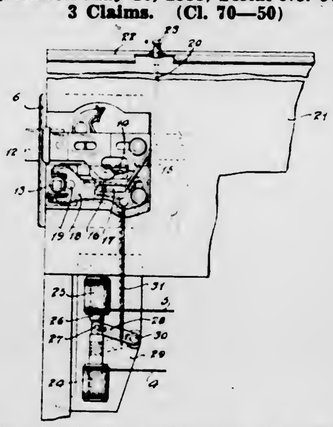
1. In a bottle dispensing apparatus a cooling chamber, a horizontally disposed shaft journaled therein, a disk having teeth thereon mounted on said shaft, a plurality of spacing fingers disposed at equal intervals along a circle concentric with said shaft, each of said fingers being rigidly secured to said disk and extending outwardly at right angles therefrom and each having a U shaped bend, intermediate its length, extending radially inward, a bracing ring concentric with said shaft rigidly secured to the ends of said fingers, feeder means and ejector means each including a pinion suitably journaled in said casing and having its teeth meshing with the teeth of said disk and each having means forming pockets carried by and extending horizontally outward from its said pinion, a pair of strippers cooperating with said ejector pockets to remove bottles from said drum, one of said strippers being disposed exterior to said bracing ring and the other thereof being disposed in the path of the pockets of the U shaped bends in said fingers, and manual means for actuating said ejector.



2,001,787
LATCH

John W. Lakin, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application May 10, 1933, Serial No. 670,254
3 Claims. (Cl. 70—50)



1. In a latch the combination of a retractable latch bolt, an outside retractor for the bolt, means for locking the outside retractor, manually operable means for actuating the first mentioned means and for indicating that the outside re-

tractor is locked, independent means operatively connected to said manually operable means for actuating both the first mentioned means and the manually operable indicating means, and a control device for controlling the independent means whereby the independent means may be actuated to lock the outside retractor and to set the indicating means.

2,001,788

STABILIZATION OF ALDEHYDE PRODUCTS

Percy Joshua Leaper, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 20, 1933, Serial No. 667,042
4 Claims. (Cl. 23—250)

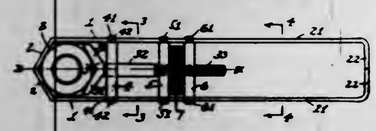
1. A process of improving the perfume characteristics of an amyl cinnamic aldehyde as commercially prepared which comprises adding thereto a small amount of diphenylamine.

2,001,789

ADJUSTABLE WRENCH

Micheal J. Leaveck, Detroit, Mich.

Application June 14, 1934, Serial No. 730,636
1 Claim. (Cl. 81—175)



As an article of manufacture, an adjustable wrench comprising a frame of substantially U-shape bent up from a single strip of metal of constant thickness throughout, having within the bend thereof one or more flat gripping surfaces and having its free ends turned inwards and abutting one upon the other to form a handle, a jaw positioned within said frame and movable longitudinally thereof having one or more flat gripping surfaces adapted to co-act with the gripping surface or surfaces upon the frame and having a square shank terminating in a screw threaded tail-piece, there being clearance spaces between said jaw and the adjacent inner surfaces of the frame, a transverse member within said frame having a square opening to slidably receive the said shank and having journaled portions secured within openings in the frame, a pair of transverse members within said frame arranged in parallel spaced relation having circular openings to slidably receive the said tail-piece and having journaled portions secured within openings in the frame, and a nut positioned between said last-mentioned transverse members and engaging said tail-piece.

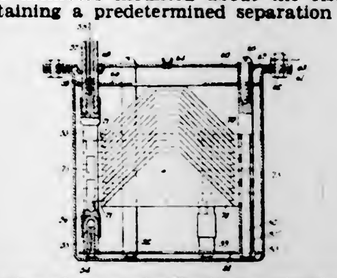
2,001,790

ASYMMETRIC CONDENSER AND METHOD OF OPERATING THE SAME

Julius Edgar Lilienfeld, Winchester, Mass.

Application April 22, 1931, Serial No. 531,901
7 Claims. (Cl. 175—315)

1. In an electrolytic condenser including a container for electrolyte: a stack of spaced frustoconical electrode plates immersed in the electrolyte and having perforated basal ears for mounting the plates within the container, conducting risers fitting through the perforations of the ears and connecting the plates together, and skeleton spacer members mounted about the risers for maintaining a predetermined separation of the



respective plates and affording a circulation of the electrolyte therethrough.

2,001,791

PROCESS FOR TREATING LATEX AND PRODUCT OBTAINED THEREBY

Chester E. Linscott, Saugus, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 20, 1933, Serial No. 694,521
11 Claims. (Cl. 18—50)

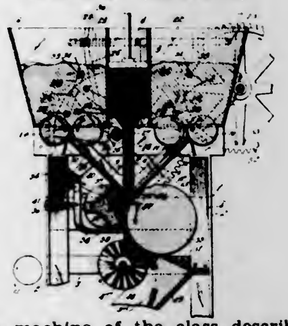
1. A stable concentrated latex composition capable of producing a dried rubber film substantially free of water-soluble ingredients comprising a creamed latex containing a soap of a volatile base and a soap-forming acid, and a volatile resin solvent which is substantially a non-solvent of rubber.

2,001,792

RAVIOLI MACHINE

Louis G. Lombi, Teaneck, N. J.

Application June 14, 1934, Serial No. 730,637
11 Claims. (Cl. 107—1)



1. In a machine of the class described, the combination with a dough supplying hopper, and dough sheeting means including cooperating rolls, of means for forcing dough between said rolls and operative in conjunction with one of said rolls to sever the dough against said roll from the supply in said hopper.

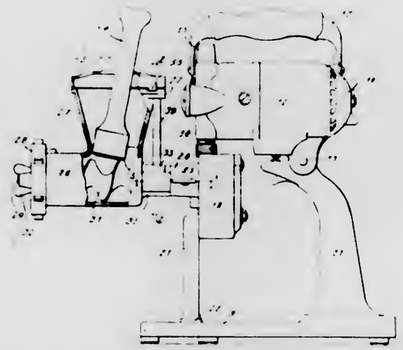
2,001,793

SAFETY DEVICE FOR FOOD CHOPPERS AND THE LIKE

Michael W. McArdle and Ivar Jeppsson, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application May 10, 1933, Serial No. 670,320
8 Claims. (Cl. 192—135)

1. In a kitchen appliance, the combination of food working means, a hopper adapted to continuously supply material to said means, continuously operating power means during the operation of the food working means for operating said food working means including clutch means for connecting and disconnecting the drive between the power means and food working means, a guard arranged in a closed position to cover the mouth of said hopper and prevent the operator extending his fingers through the hopper



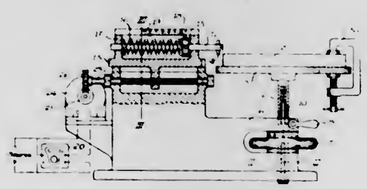
and into contact with said food working means, the guard being movable back and forth between said closed position and an open position, and means operated by the guard for engaging said clutch means when the guard is moved to its closed position and for disengaging said clutch means to temporarily disconnect the food working means from said continuously operating power means when moved to said open position.

2,001,794

APPARATUS AND METHOD OF DETERMINING THE TENACITY OF BONDED GRANULAR BODIES

Romie Lee Melton, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania

Application April 30, 1930, Serial No. 448,552
6 Claims. (Cl. 265—18)



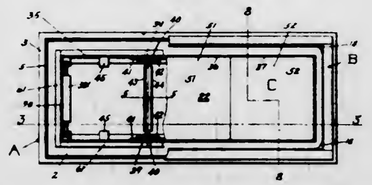
5. Apparatus for measuring the tenacity of bonded granular articles comprising a support adjustable to permit moving the article to be tested in a predetermined direction, means for moving a gouging tool to cut a groove in said article to a predetermined depth and along a non-repeating path, said means comprising a driven shaft provided with a worm, a carriage slidably mounted in a frame and having a threaded connection with said worm shaft, a tool carrier slidably mounted in said carriage and means for measuring the force required to move said tool.

2,001,795

COLLAPSIBLE MOLD FOR CONCRETE BURIAL VAULTS

William A. Palmer, Muhlenberg Township, Berks County, Pa.; Willard S. Palmer, administrator of said William A. Palmer, deceased, assignor to Mary L. Palmer

Application March 17, 1934, Serial No. 716,043
6 Claims. (Cl. 25—130)



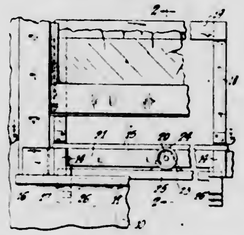
1. A collapsible mold for concrete burial vaults and the like, comprising pallet, casing, and core sections; said pallet having parallel spaced flanges forming continuous rigid supports for the contacting edge portions respectively of the casing and core sections; said casing having upstanding sides and ends, engaging corner edges, and tie rods uniting said sides to said ends; and said core having its sides and top formed of a plurality of plates with abutting meeting edges, a transverse bracing plate extending from the abutting edges of two plates on one side to the abutting edges of two plates on the opposite side, complementary means on said bracing and side plates slidably engageable to rigidly lock said side plates in edge abutting relation to said bracing plate, and supporting means on the top edge of said bracing plate for the meeting edges of two adjoining top plates.

2,001,796

ADJUSTABLE WINDOW SEAT

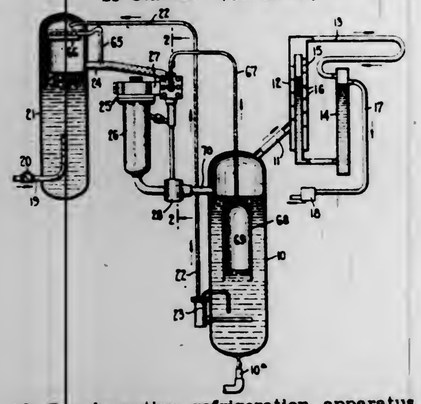
Nickolaus Paulus, Brooklyn, N. Y.

Application January 23, 1934, Serial No. 707,911
1 Claim. (Cl. 304—24)



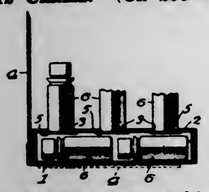
A window seat comprising a seat panel, beams mounted substantially peripherally along the lower edges of said panel and supporting the panel, ears hingedly attached to the front ends of the side beams adapted to lie against the inner window frame to support said seat from within, a shaft rotatably mounted under said panel between the front and rear beams, said shaft being threaded, a threaded block engaging said shaft between said front and rear beams and extending downward therefrom, and a support extending downward from said block having its inner wall formed in inverted step-like shape, said seat being secured in place by rotation of said shaft to cause said support to clamp the seat between said ears and said support, said support engaging the edge of the outer sill.

2,001,797
REFRIGERATION
Eric H. Ryden, New York, N. Y., assignor to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application February 2, 1932, Serial No. 590,379
15 Claims. (Cl. 62—5)



10. In absorption refrigeration apparatus, a generator, an absorber, means including an intermediate vessel for transferring absorption solution from said absorber to said generator, and means for controlling the operation of said transfer means responsive to temperature in the upper part of said vessel.

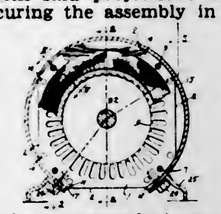
2,001,798
DISPLAY DEVICE
Louis H. Schreiber, Chicago, Ill., assignor of one-half to Mortimer S. North, Chicago, Ill.
Application April 10, 1933, Serial No. 665,268
12 Claims. (Cl. 206—44)



1. In a display device, the combination of a support, means forming adhesive spots arranged in fixed relation to each other on said support, forming predetermined definite positions for the articles to be displayed, with a raised non-adhesive surface between said spots, and articles for sale held in display position by said adhesive, the latter being practically non-drying in character, whereby when an article is removed and sold, another one may be put in its place.

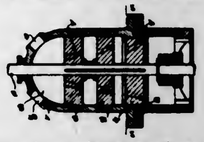
2,001,799
ELECTRIC MOTOR
Arthur W. Seyfried, Cleveland Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1931, Serial No. 555,192
9 Claims. (Cl. 172—36)

1. Process of making dynamo electric machines with laminated stators, characterized by forming the stator punchings each with a single projection on its outer periphery, assembling said punchings with said projections in a straight line, and securing the assembly in an external



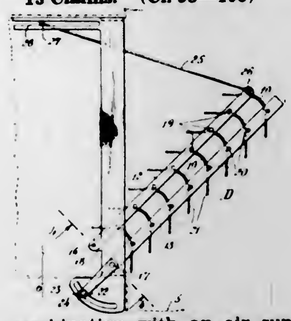
member which is arranged at one side to provide a stop for said projections.

2,001,800
ROTOR FOR ROTARY ENGINES
Eugen Silbermann, Oradeamare, Rumania, assignor to Explorotor A. G., Glarus, Switzerland, a corporation of Switzerland
Application April 16, 1931, Serial No. 530,467
In Switzerland April 22, 1930
5 Claims. (Cl. 253—32)



1. In a rotor for rotary engines in which the propelling medium operates intermittently, channels for the passage of a propelling medium the longitudinal axis of each of which channels follows a continuous three-dimensional curve substantially coincident with a geodetic line on a surface of rotation of the second degree the generatrix of which is a curve of the second degree and conforming to the path of flow taken by the said medium when considered merely as moving forwards with a velocity determined by given running conditions of the engine and at the same time travelling round the middle axis of the rotor with a velocity determined by the given normal speed of the engine.

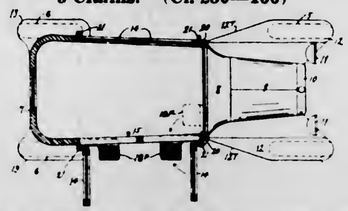
2,001,801
AIR DISTRIBUTION
Horace L. Smith, Jr., Richmond, Va., assignor to Thermal Engineering Corporation, Richmond, Va., a corporation of Virginia
Application September 17, 1934, Serial No. 744,302
13 Claims. (Cl. 98—106)



1. The combination with an air supply duct and a branch duct connected at an angle thereto, of a deflector damper device for controlling the flow of air from said supply duct to said branch duct comprising a plurality of elongated spaced

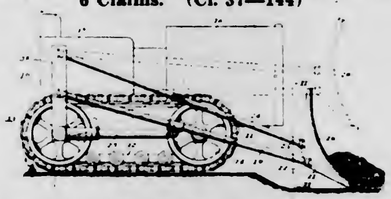
vanes disposed lengthwise transversely of said ducts and in parallel relationship at an angle to the axes of both of said ducts, supporting means for said vanes pivoted at one edge of said branch duct, pivotal connections between each of said vanes and said supporting means, means for moving said supporting means to adjusted positions in and at least partially across said air supply duct and means acting upon movement of said supporting means about its pivot and as the result of said movement to turn said vanes continuously with respect to said supporting means to maintain the transverse directions of said vanes parallel to their original positions at all adjusted positions of said supporting means.

2,001,802
COMBINATION DOORSTEP
George F. Spettel, St. Paul, Minn.
Application November 19, 1934, Serial No. 753,690
5 Claims. (Cl. 280—166)



4. A disappearing door step device for doors of the class described, said device comprising a lower door hinge member, an arm integral with said hinge and extending radially therefrom, a step-plate formed integral with said arm in horizontal plane and exposed outwardly of and below the door opening when the door is open and retracted under the door opening by the closing of the door.

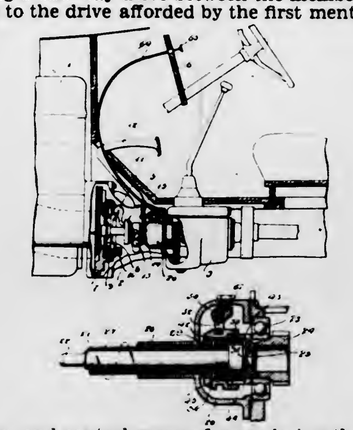
2,001,803
EARTH HANDLING DEVICE
William T. Stephens, Youngstown, Ohio, assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio, a corporation of Ohio
Application April 12, 1933, Serial No. 665,721
6 Claims. (Cl. 37—144)



1. The combination with a tractor having a chassis with a track frame and tread belts thereon, of pusher beams pivoted to said frame, a bulldozer blade pivotally supported in front of said tractor on said beams, a link pivoted to the blade and to a fixed pivot effective to vary the angular position of the blade relative to the horizontal on angular movement of said beams, and a hydraulic jack pivoted to the chassis and to one of said beams.

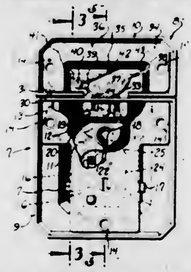
2,001,804
OVERRUNNING DRIVE CONSTRUCTION
Ernest E. Wemp, Detroit, Mich.
Application July 8, 1931, Serial No. 549,545
17 Claims. (Cl. 192—48)

1. In an overrunning drive, the combination of driving and driven members, a coil spring for frictionally establishing a one-way drive between the members, and another coil spring for establishing a one-way drive between the members reverse to the drive afforded by the first mentioned



spring, and control means for rendering the second named spring only effective and ineffective at will.

2,001,805
LATCH LOCK
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application May 14, 1934, Serial No. 725,448
10 Claims. (Cl. 70—2)

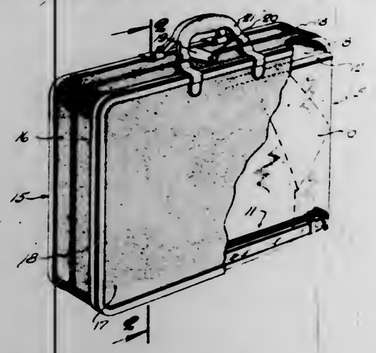


1. In a latch lock of the character described, two complementary sections adapted to be attached to two parts to be secured together, said sections having stamped metal covers arranged to abut each other, a spring carried by one section and engageable with the other to yieldingly urge the sections apart, a latch bolt disposed within the stamped cover of one section, and a keeper carried by the other section for engagement with the latch bolt to hold the sections together against the action of said spring, said keeper being an integral part of a hardened metal plate secured in the cover of said other section, and having parts thereof on different planes so as to afford a shoulder against which the spring abuts.

2,001,806
HAND LUGGAGE
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application July 5, 1934, Serial No. 733,822
11 Claims. (Cl. 190—41)

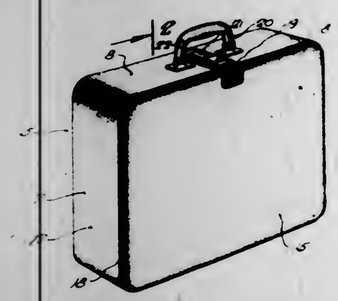
1. Hand luggage of the character described, comprising a solid walled box having a hinged

cover, means on said cover to carry garments in neatly folded arrangement with part of the garments on the outside of the cover, an envelope of flexible material enclosing said box and holding the portions of the garments on the exterior



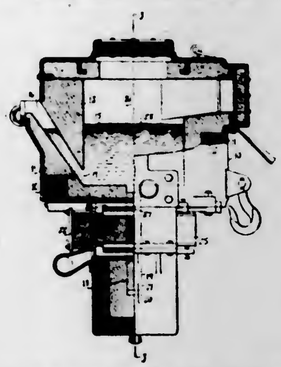
of the cover against shifting, said envelope comprising complementary sections permanently connected along one edge, and continuous interlocking fastening means to connect the sections along their other meeting edges.

2,001,807
HAND LUGGAGE
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application July 5, 1934, Serial No. 733,823
6 Claims. (Cl. 190—41)



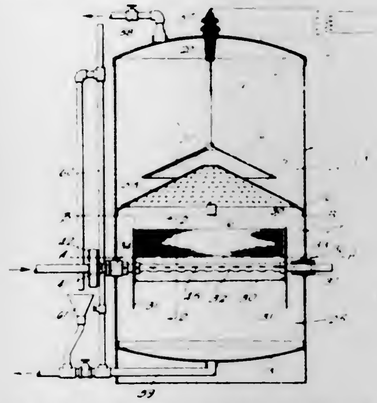
1. Hand luggage of the character described, comprising a solid walled box having one open side and a hinged cover disposed over said open side, means on said cover to carry garments in neatly folded arrangement with part of the garments on the outside of the cover, a flexible apron to close the open side of the box and hold the portions of the garments on the exterior of the box cover flat against the cover, an outer surfacing of material similar to that of which the apron is made permanently fixed to the walls of the box, means permanently attaching one edge of the apron to the box, and continuous interlocking fastening means to secure the remaining edges of the flexible apron to the box, said interlocking fastening means comprising two cooperating parts one of which is permanently fixed to said remaining edges of the apron and the other of which is permanently fixed to the outer surfacing adjacent the periphery of the open side.

2,001,808
FURNACE FOR PRODUCING PURIFIED METALS
Maurice L. Wood, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application August 28, 1933, Serial No. 687,023
2 Claims. (Cl. 13—29)



1. A furnace for producing purified copper, copper alloys or the like comprising: a main chamber for holding a quantity of molten metal; a leg chamber of relatively-small cross-sectional area communicating with the bottom of said main chamber and extending downwardly therefrom; means for heating metal in said leg chamber; and a pouring spout communicating with said main chamber only adjacent the bottom thereof and well away to one side from the vertical planes enclosing said downwardly-extending leg-chamber.

2,001,809
METHOD AND APPARATUS FOR SETTLING
John T. Worthington, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application April 19, 1932, Serial No. 606,129
13 Claims. (Cl. 204—24)



1. A method of separating the constituents of a petroleum mixture, which method includes the steps of: settling said mixture to form bodies of oil and water with a body of loose emulsion therebetween; and mechanically selectively agitating said body of loose emulsion and said body of water without material agitation of said body of oil.

2,001,810
ONE WAY BRAKE
Adolph Zwald, Torrance, Calif.
Application December 1, 1931, Serial No. 578,299
5 Claims. (Cl. 188—81)



1. A one way brake comprising a stationary case, a shaft journaled in said case, a disc secured to said shaft, a drag plate journaled in said case, a ratchet sleeve journaled in the case, a plurality of dogs pivotally mounted on said drag plate, means coupling said dogs to said disc, and means releasably securing said ratchet sleeve to the case.

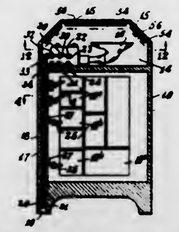
2,001,811
SLIT-BALL GAME
Theodore J. Berning, Dayton, and Melvin P. Hoover, near Dayton, Ohio
Application October 26, 1934, Serial No. 750,176
3 Claims. (Cl. 273—95)



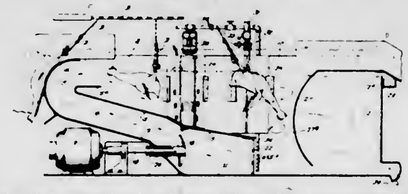
1. In a game, a game board comprising a base, sides, and a concave back member, a series of transverse members mounted between said sides, a sufficient distance above the base and from the back member to permit the free passage of a ball around the innermost transverse member, and balls having slits of a size to receive said transverse members and to permit the balls to rest thereon, said slit balls adapted to be thrown under said transverse members against the back member for a rebound movement from the latter over said members, the latter being spaced a sufficient distance apart to permit the ball to descend upon any one of them with its slit portion straddling the same.

2,001,812
ALARM DEVICE FOR SAFES
Angelo Biasi, Hazleton, Pa.,
Refile for abandoned application Serial No. 113,659, June 4, 1926. This application April 25, 1933, Serial No. 667,770
5 Claims. (Cl. 177—316)

1. A device of the class described, a safe with a compartment separated from the outside atmosphere by a wall having a plurality of openings connecting the interior with the atmosphere, an acoustic alarm within said compartment, flat elements movably mounted upon the inner side of said wall and having projections engaging into said openings in closed positions for closing the openings and having openings out of line with said projections, means for normally urging said flat elements into closed positions, means for operating said alarm, and means for moving said flat elements from closed positions so that the sound of the alarm may pass through the openings in the flat elements and wall.



2,001,813
MECHANISM AND METHOD FOR SCALDING FOWLS
Bohumil Bouda, Clinton, Iowa, assignor to The Collis Company, Clinton, Iowa, a corporation of Iowa
Application August 20, 1932, Serial No. 629,656
8 Claims. (Cl. 17—11)

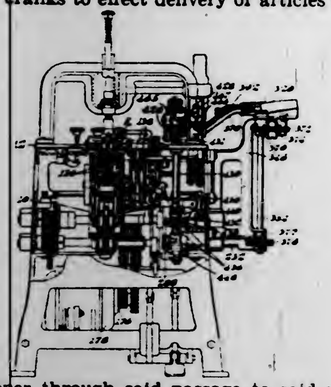


6. The method of scalding fowls comprising suspending and transporting the fowls through a body of hot water, the water flowing in the direction taken by the fowls, directing the water flow downwardly at the point where the fowls enter the water so as to assist in immersing the fowls, and swirling the body of water so as to raise the feathers of the fowls to insure wetting the skins of the fowls.

2,001,814
ARTICLE TRANSFERRING MECHANISM
Ira C. Buckminster, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application December 10, 1930, Serial No. 501,345. Divided and this application July 7, 1933, Serial No. 679,409
22 Claims. (Cl. 29—60)

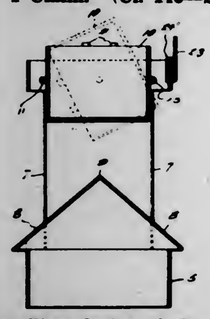
1. Article transferring mechanism having, in combination, a hopper arranged with its bottom inclined to the horizontal and having an exit passage in its lower wall, two separated, low cross-ribs on said bottom with their ends overlapping a line extending downward along the bottom to said passage, a stationary finger extending to a point above the said bottom and between said ribs and said passage, a normally stationary raceway, a yielding guideway between said passage and said raceway, a frame to which the hopper is secured with means having provision for adjustment to vary the angle of inclination of said bottom, a stationary, flat support on which the frame is slidable, two cranks connected to the frame and movable about parallel, vertical axes, the connections for one crank including a

sliding block, and driving mechanism for rotating said cranks to effect delivery of articles from



said hopper through said passage to said raceway.

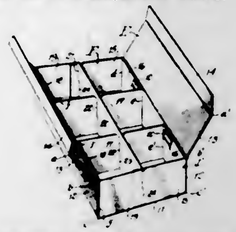
2,001,815
KITCHEN UTENSIL
Melburn Clark and Thomas J. Callan, Vallejo, Calif.
Application November 4, 1933, Serial No. 696,639½
1 Claim. (Cl. 146—2)



An egg handling device of the character described comprising an upstanding casing having openings in a pair of opposed side portions, chutes extending through the said openings to merge together in the casing, and a rotatable receptacle mounted within the upper portion of the casing, said receptacle being adapted to be tilted to discharge its contents onto one or the other of the said chutes, said receptacle being provided with a yoke having pintle extensions for disposition through the side wall of the casing, one of the said pintles being equipped with a crank handle, an upstanding hinge plate secured to one of the said pintles, and a separator plate hingedly connected at one end to the said hinge plate and adapted for disposition across the top of the receptacle so as to permit only the discharge of egg white when the receptacle is tilted.

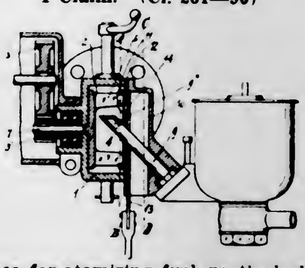
2,001,816
FILLER PACKAGE
Joseph L. Coyle, London, Ontario, Canada, assignor to Leon Benoit, New York, N. Y.
Application November 29, 1933, Serial No. 698,910
4 Claims. (Cl. 229—29)

2. An elongated one-piece filler produced from a strip which is transversely scored and slotted to provide a longitudinally extending central partition intersected by cross partitions at equal distances apart, two of the adjacent cross partitions forming a group connected by walls remote from the central partition and parallel therewith to provide a pair of four-sided enclosures and the cross walls in adjacent groups providing between them a pair of three-sided enclosures open opposite the central partition, the several enclosures defining cells all of which are disposed in two adjacent rows.



4. In combination, a filler having transverse partitions and outside walls with slots therein, and an open-ended enclosure for the filler provided with integral locking means extended through the wall slots of the filler for edge engagement with a transverse partition thereof.

2,001,817
ATOMIZING DEVICE
Richard Emil Delling, Erfenschlag, near Chemnitz, Germany, assignor of one-half to Emil Freytag, Zwickau, Germany
Application October 12, 1933, Serial No. 693,325
In Germany April 6, 1932
1 Claim. (Cl. 261—90)

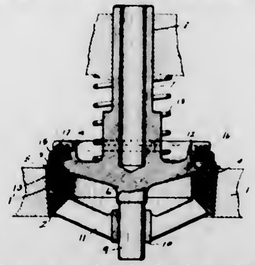


A device for atomizing fuel, particularly crude oil, in an internal combustion engine, comprising a casing, an atomizer wheel having a hollow inner space and being rotatably disposed in said casing, a plurality of obliquely arranged ribs with intervening air gaps forming the wall of said wheel, said air gaps extending obliquely to the axial direction of said atomizer wheel, knife-like edges facing the hollow inner space of said wheel and forming part of said ribs, a nozzle so formed as to produce a mist at its mouth, and disposed to deliver said mist to said wheel and thus to the combustion space, the mouth of said nozzle being disposed obliquely to the axis of said wheel and extending into the inner space thereof in the direction towards said ribs, and means for regulating the air supply to the inner hollow space of said wheel.

2,001,818
VALVE MECHANISM
Oswald Duda, Corsicana, Tex., assignor to American Well & Prospecting Company, Corsicana, Tex., a corporation of Texas
Application June 30, 1932, Serial No. 620,122
2 Claims. (Cl. 251—144)

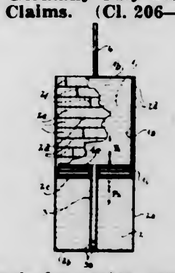
1. In a valve mechanism a valve having an annular groove therearound, a resilient packing ring

in said groove having a free margin which extends beyond the valve proper and having its inner margin thicker than said free margin, one wall of said groove having an annular half round



recess and an annular lock ring placed in said recess and surrounding said thickened margin and pressing into the material of the packing ring to lock said packing ring in place.

2,001,819
RECEPTACLE FOR PASTES
Eugen Elle and Max Wetzler, Frankfort-on-the-Main, Germany, assignors to Rudi Wetzler, New York, N. Y.
Application July 14, 1934, Serial No. 735,170
In Germany July 26, 1933
6 Claims. (Cl. 206—56)



1. A receptacle for pastes, comprising in combination two telescopic parts, partitions separating said parts, and a riser tube extending through said partitions and establishing connection between said parts.

2,001,820
DISPLAY CASE
Ellison S. Irelan and Roy J. Krabbe, Elgin, Ill., assignors to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application May 29, 1934, Serial No. 728,116
1 Claim. (Cl. 206—44)



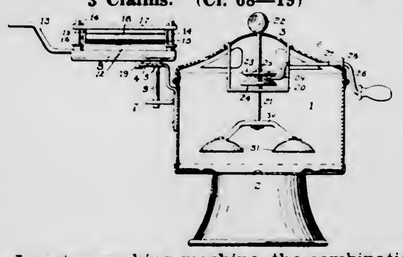
A display case in which is comprised a back having a marginal flange, a bezel provided with an offset flange which is extended in part over the edge and outer sides of the back flange for engagement therewith, a panel plate mounted in and carried by the bezel, the panel plate having a recess extending inwardly of the case to form a pocket for the accommodation of an article therein, a cover having a marginal flange which is fitted over a portion of the offset flange of the bezel for engagement therewith, and means extended angularly from the back forming a support for the case when the latter is stood upon one edge.

2,001,821
SHOE
Joseph H. Everston, Milwaukee, Wis.
Application November 23, 1933, Serial No. 699,319
3 Claims. (Cl. 36—28)



2. In a shoe, the combination with an insole and outsole having a space therebetween, of a relatively inelastic body in said space beneath the arch portion of the wearer's foot at the inside of the shoe, a second relatively inelastic body at the forward end of the shoe beyond the position normally occupied by the wearer's foot, and a relatively elastic body filling the entire remainder of the space between said soles and extending around said first mentioned body at the outside of the shoe.

2,001,822
TOY WASHING MACHINE
Frank J. Goriup, McKees Rocks, Pa., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 16, 1933, Serial No. 661,038
3 Claims. (Cl. 68—19)

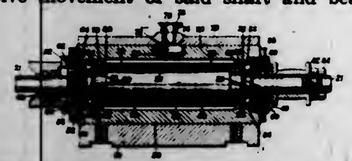


1. In a toy washing machine, the combination with a tub and a lid for said tub, of a frame carried by said lid, a driving shaft extending into said frame and provided at its outer end with a handle and at its inner end with a crank, a substantially vertically disposed driven shaft slidably extending upwardly into the frame, suction cup mechanism carried by the driven shaft, a disk mounted on the driven shaft and riding on the crank, and projections on said disk arranged to be engaged by the crank when the latter is rotated whereby the rotation of said driving shaft imparts both a longitudinal reciprocating movement and a rotary movement to the driven shaft.

2,001,823
LUBRICATION OF BEARINGS
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 29, 1931, Serial No. 512,083
14 Claims. (Cl. 308—121)

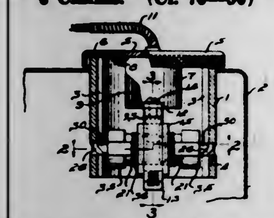
13. A device of the class described having, in combination, a casing, a shaft extending within the casing, rolling bearings for said shaft spaced apart from each other, a reservoir between said

bearings having free access to each of said bearings for supplying excessive quantities of lubricant to said bearings during an initial period of relative movement of said shaft and bearings,



and means positioned between said bearings for absorbing lubricant thrown from the bearings upon continued relative movement of the shaft and the casing.

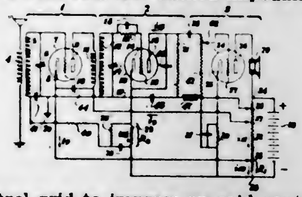
2,001,824
LOCK
George Maierle, Detroit, Mich.
Application December 22, 1933, Serial No. 703,588
6 Claims. (Cl. 70—50)



1. In a lock, a stationary sleeve provided with guide grooves, a cap arranged to fit over the stationary sleeve, an electro-magnet carried by the cap, a guide frame secured to the electro-magnet, a lock block slidably mounted in the guide frame, a pair of sleeves carried by the lock block, a pair of guide members slidably mounted in the sleeves and riding in the guide grooves of the stationary sleeve, a tube slidably mounted in each sleeve, a pair of spring pressed lock pins within the tubes, the stationary sleeve being provided with apertures to receive the lock pins, a lock member extending between the ends of the lock pins and normally preventing retraction of the lock pins, the lock member being retractable by energization of the electro-magnet to allow withdrawal of the lock pins from the stationary sleeve apertures.

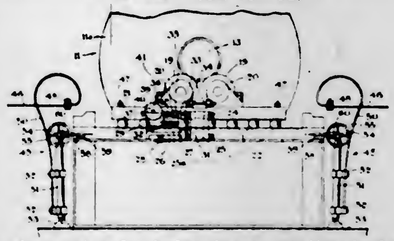
2,001,825
AUTOMATIC VOLUME CONTROL
James R. Nelson, Cambridge, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application May 27, 1931, Serial No. 540,276
6 Claims. (Cl. 250—20)

1. A carrier wave device, including a radio-frequency amplifier having a tube containing a cathode, an anode, and a control grid, a detector, means for causing the output of said detector to decrease with an increase in the modulation component and in the strength of the the carrier wave, a source of potential for said receiver, a voltage-dividing impedance across said source, said amplifier and detector being connected to said voltage-dividing impedance so that the output of said amplifier and detector flow through portions of said voltage-dividing impedance, an additional impedance in the output of said detector, said additional impedance being connected to said voltage-dividing impedance to obtain a regulating voltage which is the difference between the drop across a portion of said voltage-dividing impedance and said additional impedance, and means associated with said last-named impedances and



said control grid to impress on said control grid a negative bias which increases with an increase in the strength of the carrier wave only above a certain predetermined strength.

2,001,826
MACHINE FOR BALANCING HEAVY BODIES
Andrew N. Russell and Hans Ulmann, Montreal, Quebec, Canada, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application May 18, 1932, Serial No. 612,126
2 Claims. (Cl. 73—51)

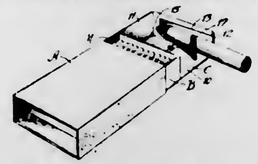


1. Apparatus for balancing a rotating body so that the amount and location of dynamic unbalance existing in said body may be determined without changing the position of the body during the balancing operation, said apparatus comprising a pair of bearing members for rotatably supporting the ends of said body, a support on which each bearing member is mounted to move in a horizontal plane, said bearing members being normally free of springs or other restraining means tending to resist such movement, means for temporarily pivoting each bearing member in turn to its respective support to provide a vertical axis about which the companion bearing member and the body being balanced is free to oscillate, a pair of upright plate springs arranged in the path of and at opposite sides of each bearing member and means for detachably connecting the upper ends of said springs to said bearing member to form an oscillating system of a predetermined frequency, said means comprising flat bars pivoted to the upper ends of the springs.

2,001,827
CIGARETTE HOLDER
Howard P. Thayer, Evanston, Ill.
Application April 27, 1934, Serial No. 722,688
5 Claims. (Cl. 206—38)

1. In combination with a match box which comprises a sliding tray within an open-ended tube, a cigarette holder formed of sheet metal bent to provide three connected walls of which two are adapted to fit slidingly between the tray and tube whereby the third wall may be moved within the tube against the tray end or be pulled outwardly therefrom, a spring arm proximate to

the third wall cooperating therewith to furnish a rest for a cigarette, and a finger extended laterally from the arm to lie transversely of the



rested cigarette adapted to snuff the lighted end thereof when consumed to a point opposite said finger.

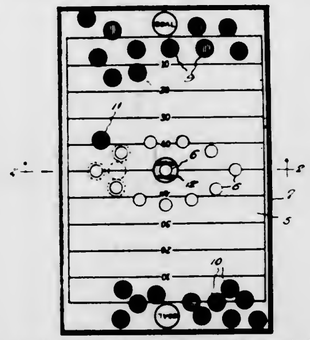
2,001,828
ODOR ELIMINATING DEVICE
Earle S. Smith, Toledo, Ohio, assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1932, Serial No. 647,117
1 Claim. (Cl. 183—4)



In an odor eliminating device, in combination, a hollow cartridge having an imperforate outer wall, said cartridge having at its opposite ends openings adapted to be corked to constitute the device an airtight container, whereby it may be handled and stored without deterioration of its contents, a mesh walled tunnel connecting said openings, said imperforate outer wall and said mesh walled tunnel together defining an annular chamber, said annular chamber being charged with activated carbon, and means for suspending said cartridge from two supports, said suspending means being so constructed that when such supports are at approximately the same level said cartridge is supported with said mesh walled tunnel inclined to facilitate passage therethrough of convection currents of air to be purified, the ends of said cartridge being provided with annular flanges of frusto-conical shape which surround said openings and extend into said mesh walled tunnel to prevent such particles of carbon as may sift into said tunnel from rolling or sliding through the lower of said openings when said cartridge is supported with said tunnel in sloping position.

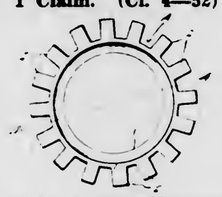
2,001,829
GAME APPARATUS
Harry W. Standidge, Chicago, Ill.
Application October 13, 1933, Serial No. 693,504
6 Claims. (Cl. 273—94)

4. In a game, the combination of a playing field bounded by walls to retain playing elements thereon and having openings extending wholly or partially therethrough, and a plurality of visually distinguished groups of spherical playing elements adapted to be moved by gravity upon and over said field upon tilting thereof to effect predetermined lodgment of playing elements in said openings, the diameter of each of such openings being more than one-third and less than two-thirds of the diameter of each of said playing elements, and said openings being so positioned that each and all of the corners and edges of said field are free from any of said openings and so that the space between each of said openings and the ends or sides of said field is sufficient for one or more of said unlodged playing elements to be rolled



therein and against a playing element lodged in any of said openings with sufficient force to dislodge said playing element therefrom in the manner and substantially as described.

2,001,830
REPAIR VALVE SEAT
James Weir, Canton, Ill.
Application September 5, 1934, Serial No. 742,780
1 Claim. (Cl. 4—52)



A repair seat for a worn valve seat which flares upwardly and outwardly, comprising a ring-shaped member sloping downwardly and inwardly from its upper edge to its lower edge for contacting the inner face of the upper portion of the worn valve seat and outwardly extending tongues on the upper edge of the repair seat adapted to be bent over the upper edge of an old seat to hold the new seat on the said old seat.

2,001,831
TIME INDICATING SYSTEM
Emil N. Anderson, Oak Park, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 17, 1932, Serial No. 611,907
15 Claims. (Cl. 161—19)



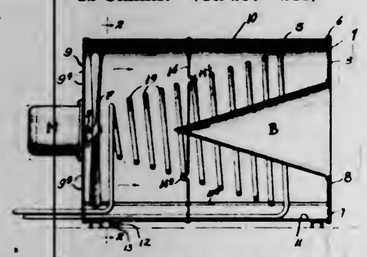
1. In combination, a motor, a plurality of rotatable elements, a common driving shaft rotated by said motor and adapted to rotate said rotatable elements, means individual to each rotatable element adapted to cause only the corresponding rotatable element to rotate with said shaft and to prevent the rotation of only said corresponding rotatable element, as desired, means individual to said latter means for con-

trolling its operation, normally hidden means individual to each rotatable element, and means individual to and associated with each rotatable element adapted to operate only the corresponding hidden means automatically to an exposed position when the corresponding rotatable element rotates for a predetermined timing period, said corresponding normally hidden means being adapted to be reoperated manually to its hidden position after each timing period.

2,001,832
AIR CONDITIONER

Walter Bandurski, Chicago, Ill.

Application August 29, 1934, Serial No. 741,968
12 Claims. (Cl. 257—244)

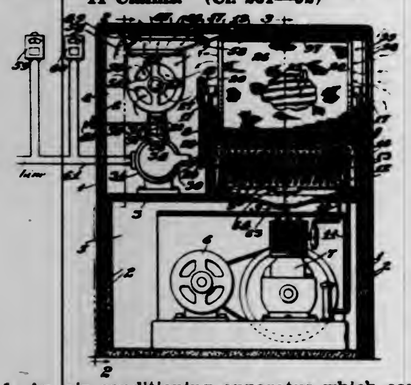


1. An air conditioner comprising a casing, an apertured end wall in said casing, a fan and motor carried by said wall for forcing a stream of air through said casing, a cone-shaped baffle axially carried within said casing and having its apex disposed toward said end wall, and air conditioning means for said air stream arranged within said casing in the form of a substantially cone-shaped coil.

2,001,833
AIR CONDITIONING APPARATUS

Ruddell J. Byrd, Irving, Tex.

Application March 29, 1935, Serial No. 13,621
11 Claims. (Cl. 261—92)

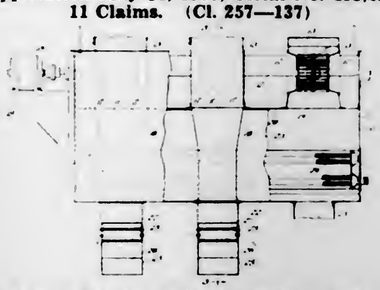


1. An air conditioning apparatus which comprises a rotor covered with absorbent material and having spiral vanes of said material, a tank containing liquid within which the rotor dips, thereby moistening said surfaces, means located in said tank for raising and for lowering the temperature of the liquid therein, means for drawing air through the rotor in contact with said moistened absorbent surfaces, and positive means for imparting rotation to said rotor, said rotation causing circulation of the liquid to insure uniformity of temperature through the body of the liquid.

2,001,834
VERTICAL UNIT HEATER

Clifford C. Carson, Chicago, Ill.

Application May 31, 1930, Serial No. 458,299
11 Claims. (Cl. 257—137)

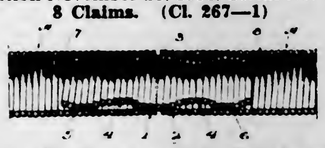


3. A unit heater of the suspension type comprising, in combination, a substantially vertical casing; a heating chamber in the lower portion of said casing; heating means in said chamber; a plurality of centrifugal fans adjacent to the upper end of the casing having discharge outlets connected to said heating chamber; a plurality of hot air discharge outlets, one for each fan, connected to the lower end of said casing and shaped to direct the air at an angle to the horizontal; by-pass conduits connected to said fans and passing through said casing at one side of the heating chamber; and relatively wide discharge nozzles at the lower ends of said by-pass conduits adjacent to said hot air conduits adapted to discharge curtains of relatively cold air at high velocity above and substantially parallel with the discharging hot air.

2,001,835
SPRING CONNECTER

Raymond W. Cook, Bristol, Conn., assignor to Wallace Barnes Company, Bristol, Conn., a corporation of Connecticut

Application November 26, 1934, Serial No. 754,903
8 Claims. (Cl. 267—1)

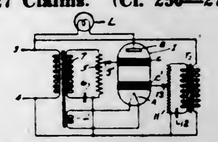


1. In combination, a spring coil, and means for connecting the ends of said spring coil, such means comprising a connecting device having a plurality of spaced portions engaging the convolutions of said spring coil, and a plurality of spaced portions spaced from the inner surface of said spring coil and of greater flexibility than said first-named spaced portions.

2,001,836
POWER CONTROL CIRCUITS

Palmer H. Craig, Cincinnati, Ohio, assignor to Invex Corporation, a corporation of New York

Application November 27, 1931, Serial No. 577,691
27 Claims. (Cl. 250—27)



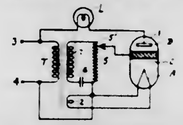
1. An electric control system comprising a vapor electric device having a cathode an anode and a control electrode, an alternating current circuit including the space current path of said device, means for impressing upon said control electrode an alternating voltage displaced in phase by a constant substantial angle substantially less than 180° with respect to the anode voltage for delaying the starting of the arc in said device, and means for varying the amplitude of said alternating control voltage to vary the amount of delay.

17. In an electric control system, the combination of a source of alternating current, a vapor electric device having a cathode an anode and a control electrode, a work circuit including said source and the space current path of said device, a transformer connected to said source, a secondary winding on said transformer, a circuit connected across said secondary winding including a resistance element and a capacity element connected in series relation, a circuit for impressing upon said control electrode a voltage derived from across at least a portion of said resistance element, and means for varying the amplitude of the voltage applied to said control electrode comprising a variable condenser connected in series with said control electrode.

2,001,837
POWER CONTROL CIRCUITS

Palmer Hunt Craig, Cincinnati, Ohio, assignor to Invex Corporation, a corporation of New York

Application December 10, 1932, Serial No. 646,662
17 Claims. (Cl. 250—27)

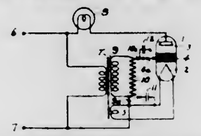


8. An electric control system comprising a vapor electric device having a cathode, an anode and means for influencing the discharge between said cathode and anode comprising two control electrodes, an alternating current circuit including the space current path of said device, means for impressing upon one of said control electrodes an alternating voltage to delay the starting of the arc, and a variable impedance control element connecting said second control electrode to a point on said alternating current circuit.

2,001,838
POWER CONTROL CIRCUITS

Palmer H. Craig, Cincinnati, Ohio, assignor to Invex Corporation, a corporation of New York

Application September 5, 1933, Serial No. 688,249
15 Claims. (Cl. 250—27)

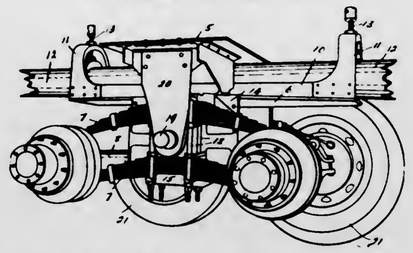


1. An electric control system comprising a vapor electric device having a cathode and an anode enclosed within an envelope containing an ionizable vapor, and a control electrode insulated from the space current path of said device, an alternating current circuit including the space current path of said device, and means for impressing upon said control electrode an alternating voltage of fixed phase and of variable amplitude to progressively delay the starting of the arc in said device.

2,001,839
LOG TRAILER

Herbert G. De Bou and Claude S. Thicke, Vancouver, British Columbia, Canada

Application June 22, 1934, Serial No. 731,958
In Canada April 3, 1934
3 Claims. (Cl. 280—33.2)

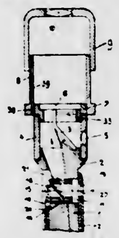


1. In a log trailer of the kind described, the combination comprising, a four-wheeled chassis, said chassis having a pair of trunnion blocks, each of said blocks being mounted between a pair of multiple leaf springs, said springs being mounted intermediate the axles of said chassis, flanged clamp plates positioned oppositely each other securing each of said springs to said trunnion block, bolts securing said clamp plates, springs and trunnion blocks to each other, a trunnion bearing mounted in said blocks, a bolster carriage mounted on said trunnion bearing adapted to oscillate independently of the axle of said wheels, and means for adjustably mounting a reach-pole in the chassis of said trailer.

2,001,840
LENS SHUTTER WITH COMBINED EXPOSURE METER, VIEW FINDER AND DISTANCE METER

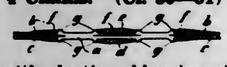
Alfred Gauthier, Calmbach-Enz, and Karl Bührle, Hofen-Enz, Germany

Application August 15, 1931, Serial No. 557,292
In Germany April 2, 1931
1 Claim. (Cl. 88—23)



A lens shutter with combined exposure meter and view finder, comprising in combination with the lens, a shutter casing concentrically surrounding said lens and provided with two light passages each having a light admission aperture at one end, a common ground glass screen covering the other ends of said passages and divided into separate sections by said passages, light regulating and deflecting elements of the exposure meter arranged in one of said passages, a light deflecting element for the view finder in the other of said passages, a view finder lens in the aperture at the end of said view finder passage, and a time adjusting disc in said casing constructed as a throttle element for the quantity of light entering the aperture of said exposure meter passage.

2,001,841
SHOE WITH ELASTIC RUBBER INSERT
Imre Goth, Berlin, Germany
Application November 25, 1932, Serial No. 644,297
In Germany November 29, 1931
4 Claims. (Cl. 36—51)



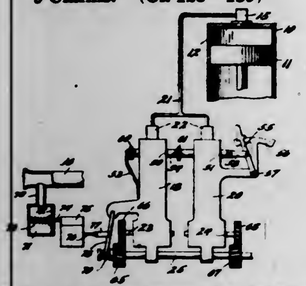
1. A shoe with elastic rubber insert, comprising in combination with the upper and lining of the shoe, said upper and lining having registering apertures, solid rubber inserts in said apertures covering the edges thereof.

2,001,842
TEETHING AND FEEDING NIPPLE
Arthur C. Heise and Millard W. Jacobi, Baltimore, Md.
Application May 21, 1934, Serial No. 726,838
2 Claims. (Cl. 128—252)



1. A nipple comprising a body of soft rubber having its rear portion adapted for application to a bottle and having its forward portion enlarged to form a substantially spherical head merging into a reduced intermediate portion, an outlet opening being formed centrally of the outer end of the nipple, and a reinforcement of tough resilient rubber embedded in walls of the head, said reinforcement being substantially spherical in shape and extending the entire circumference of the head and longitudinally thereof for substantially the entire depth of the head but terminating in radial spaced relation to the outlet opening and in spaced relation to the reduced neck whereby the neck portion of the nipple may be constricted.

2,001,843
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Alexander T. Kasley, Prospect Park, Pa., assignor to D. C. E. Development Company, Wilmington, Del., a corporation of Delaware
Application May 12, 1933, Serial No. 670,779
Renewed February 11, 1935
9 Claims. (Cl. 123—139)



1. In a fuel feeding system for internal combustion engines, a plurality of pump units, separate conduits connecting said units with the injection nozzle of the combustion chamber of the engine whereby distinct charges of fuel may be delivered to said nozzle, separate aligned shafts operatively connected with the mechanism of said pump whereby axial movement of said shafts effects changes in the volumes of said fuel charges, said shafts being arranged in abutting relation, means for moving said shafts in one direction simultaneously, a stop on one of said shafts for limiting its movement in one direction, means for continuing the movement of another of said shafts after the first shaft has stopped, whereby certain of said pumps may deliver a larger charge than others.

2,001,844
FISHING BAIT
Arthur Kumm, Dearborn, Mich.
Application July 31, 1933, Serial No. 682,898
12 Claims. (Cl. 43—47)



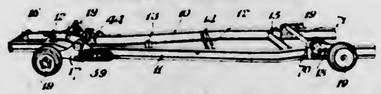
1. In a fishing bait adapted to be drawn through water, the combination of a spindle member provided with a pair of spaced journal portions together with a passage extending therethrough, a body member movably mounted on one of the spaced journal portions of said spindle member, said body member being provided with a recess and slots extending from the recess to the outside of said body member, a ballast member provided with a portion extending within the recess of said body member together with fin members extending within the slots of said body member, said ballast member together with its fins tending to always maintain said body member in an upright position in the water, a second body member revolvably mounted on the other of said journal portions of said spindle member, said second body member being provided with slots, a propeller mounted in the slots of said second body member and adapted to revolvably operate said second body member when drawn through the water, a clip member extending through the passage of said spindle member, and hook members suitably connected to one end of said clip member, the other end of said clip member adapted to be connected to a draft member.

2,001,845
PERFORATED QUEEN-EXCLUDER IN BEEHIVES
Lars Ivar Hjalmar Larsson, Snopptorp, Eskilstuna, Sweden
Application January 31, 1933, Serial No. 654,417
In Sweden February 17, 1932
1 Claim. (Cl. 6—4)



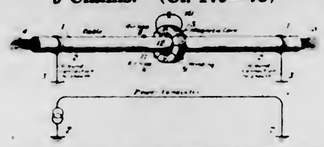
A queen excluder formed of sheet metal having a plurality of openings of greater length than width, one or more sides of the openings being folded back to provide a flange with curving surface throughout its length and width, said flange being in direct contact with the connecting member between the openings.

2,001,846
VEHICLE FRAME
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1932, Serial No. 621,369
5 Claims. (Cl. 280—106)



1. An automobile chassis sill of closed polygonal cross section comprised of a multiple number of longitudinally extending stampings joined together by lapped flanges located exteriorly of the closed section and characterized by a substantially vertical disposition of one of said joints at the upper outer edge of the section and the disposition of another of said joints substantially horizontally at the lower inner edge of said section.

2,001,847
SYSTEM FOR THE NEUTRALIZATION OF INDUCTIVE INTERFERENCE
Laurice Laird Lockrow, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 15, 1933, Serial No. 666,389
9 Claims. (Cl. 179—78)



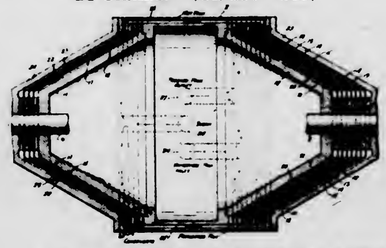
1. A transformer arrangement for neutralizing the effect of induction from exposure to power circuits comprising a cable sheath, a plurality of conductors insulated from each other and enclosed within the cable sheath, the cable sheath being grounded at the ends of the section exposed to the power circuits, a core positioned coaxially about the cable sheath substantially at the midpoint of the voltage effect due to the exposure, a winding wound about said core, and a condenser connected to the winding, the condenser and the winding forming a circuit which is resonant at the frequency of the voltage effect induced from the power circuits.

2,001,848
ELECTRODE FOR ARC WELDING
August R. Nyquist, Roseau, Minn.
Application October 3, 1932, Serial No. 636,041
5 Claims. (Cl. 219—8)



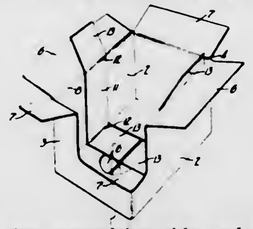
1. An electrode comprising a core of material having relatively good electrical conductivity and surrounded by a sheath of material having relatively poor electrical conductivity, and a flux combined with the aforesaid structure as an envelope therefor and composed of "basic compound", potassium nitrate, borax, and calcium carbonate in substantially the proportions stated.

2,001,849
REGENERATIVE PASTEURIZATION APPARATUS
Johannes Olsen, Aalborg, Denmark, assignor to Buaas Mejerimaskinfabrikker, Afdeling Af Aktieselskabet Frederiksberg Metalvarefabrik, Aalborg, Denmark, a corporation of Denmark
Application February 3, 1932, Serial No. 590,728
In Denmark April 20, 1931
14 Claims. (Cl. 257—245)



1. A regenerative heat exchange apparatus comprising a plurality of nested conical plates, annular flanges fixed to the apex and base portion of each conical plate for spacing the plates apart, the annular flanges having a plurality of ports therein providing passages for conducting fluid to and from the spaces between the nested conical plates and from one space between the nested conical plates to another.

2,001,850
CARTON
David H. Patterson, Jr., San Francisco, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application May 21, 1934, Serial No. 726,643
11 Claims. (Cl. 229—37)

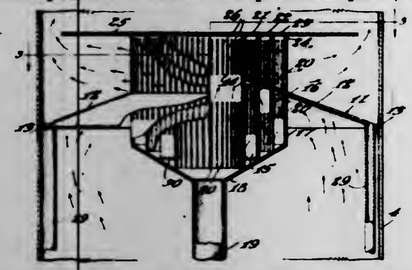


1. A carton comprising side and end walls, a pair of wide cover flaps, a pair of narrow cover flaps having a gap between the ends thereof, and an extension permanently secured on the carton and lying in said gap.

2,001,851
OIL AND GAS SEPARATOR
Edward J. Riley, Tulsa, Okla., assignor to Smith Separator Corporation, Tulsa, Okla., a corporation of Oklahoma
Application September 26, 1933, Serial No. 691,064
8 Claims. (Cl. 183—2.7)
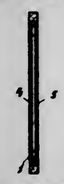
1. In an oil gas separator, a tank having a lower mixture inlet and an upper gas outlet, a par-

tition plate positioned in the tank between the inlet and outlet, lower slotted concentric tubes positioned below said plate and having annular solid portions, said portions being staggered relatively to one another, a funnel arranged in the tank below the tubes and abutting against the lower edges of said tubes, upper concentric slotted tubes positioned above the partition plate, the



slots of each of the upper tubes being staggered radially relatively to the slots of each adjacent upper tube, means closing the upper ends of said upper tubes, all of said lower tubes being closed at their upper ends with the exception of the inner one of said tubes, said inner lower tube communicating at its upper end with the inner one of said upper tubes, and pipes depending from the funnel and partition plate.

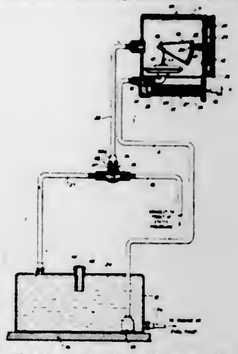
2,001,852
ILLUMINATING ELEMENT
Raoul Römer, Biel, Switzerland
Application February 20, 1933, Serial No. 657,662
3 Claims. (Cl. 176—122)



1. An illuminating element comprising a flat glass housing having two opposite flat walls, a chamber between said walls, and electrodes in said chamber between said walls and spaced apart to form a flat discharge field situated in a plane parallel to the said walls, one of said electrodes having laterally extended branches arranged in a row and spaced apart.

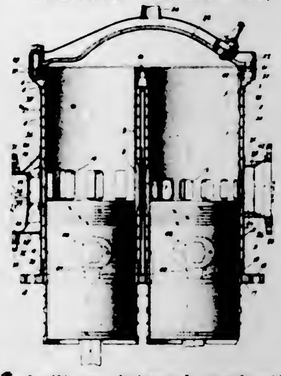
2,001,853
LIQUID LEVEL INDICATOR
Clarence Lee Seward, Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application December 14, 1932, Serial No. 647,290. Divided and this application June 9, 1934, Serial No. 729,857
4 Claims. (Cl. 73—54)

1. In combination with a fuel tank adapted to be carried by an aircraft having an instrument panel, a pressure responsive gage remote from said tank and adapted to be mounted on said instrument panel for indicating the quantity of fuel in said tank in accordance with the pressure-head of said fuel, said gage including a casing, an indicator, a pressure-responsive member in said casing, and means for actuating said indicator by movement of said pressure-responsive means, a hydrostatic cell immersed in the fuel in said tank to the maximum depth of the fuel, a pipe-line connecting said cell to said pressure-responsive means whereby pressures corresponding to the height of the fuel in the tank are transmitted to the gage, means including a second pipe-line connecting the tank and the gage casing to a common venting point, and means con-



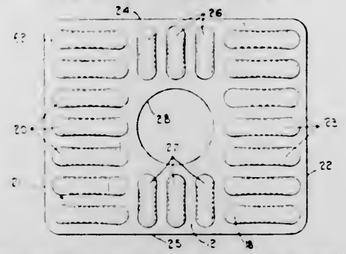
nected in said second pipe-line and controlled by forces of acceleration and gravity acting about either the transverse or the longitudinal axis of the aircraft for closing the connection between the tank and the gage casing to prevent passage of fuel into said casing due to acceleration of the aircraft and when said aircraft departs from level flight.

2,001,854
ENGINE CYLINDER BLOCK
Fred G. Shoemaker, Ferndale, and Gunnar E. Ehrling, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 5, 1933, Serial No. 664,505
10 Claims. (Cl. 123—173)



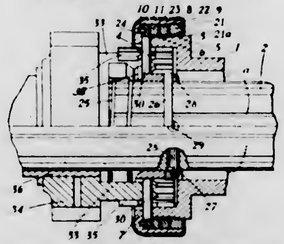
1. In a built up internal combustion engine cylinder block a cylinder barrel, a top deck flange forming part of a combustion chamber, a water jacket for the cylinder barrel, a closure for the water jacket at the combustion chamber end of the cylinder barrel consisting of a flange on the cylinder barrel, and ports in the flange for the flow of water from the water jacket of the cylinder barrel into a water jacket extension piece connecting the water jacket of the cylinder barrel to the top deck flange and constituting a cooling jacket for that part of the top deck flange forming part of the combustion chamber.

2,001,855
INDIA-RUBBER SPRING
Alexander Spencer, Westminster, London, England
Application June 24, 1932, Serial No. 619,165
In Great Britain March 22, 1932
5 Claims. (Cl. 213—40)



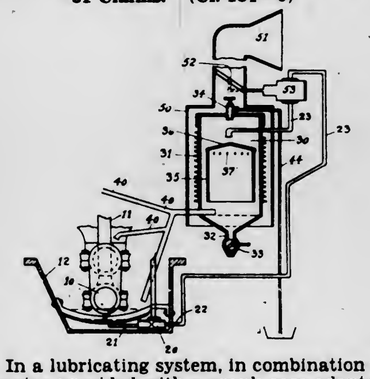
1. An india-rubber spring unit comprising a generally rectangular plate, bars of India rubber projecting from the faces of said plate, a portion of said bars being arranged in two spaced groups with one group adjacent each of opposite edges of the plate, and a plurality of bars on said plate intermediate planes passing through inner end portions of bars of said spaced groups, the bars of each of the spaced groups having their major axes normal to the respective adjacent edge of the plate and the major axes of the plurality of intermediate bars being normal to the major axes of the bars of the spaced groups.

2,001,856
SYNCHRONIZING CLUTCH
Bernard Thomson, Combe Close, Woldingham, England, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 3, 1932, Serial No. 640,970
In Great Britain November 6, 1931
13 Claims. (Cl. 192—53)



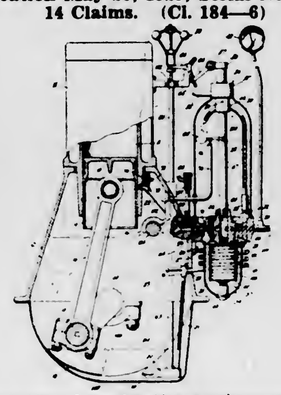
1. Synchronizing clutch mechanism comprising companion toothed clutch elements adapted to be coupled and uncoupled and cooperating companion friction clutch elements adapted to be frictionally engaged before coupling of the toothed clutch elements in order to bring the latter to approximately the same speed by friction transmitted torque prior to interlocking them: the first of said friction clutch elements being fixed with respect to one of the toothed clutch elements, and the second friction clutch element capable of axial movement and having a driving connection with respect to the other toothed clutch element, said second friction clutch element comprising an advance engageable friction component, adapted to engage preliminarily the friction surface of its companion, and a relatively yieldable component arranged to seize the friction surface of said companion in response to rotation imparted to the advance engageable component by the preliminary engagement thereof, thereby transmitting a torque supplemental to that transmitted by the advance engageable component.

2,001,857
LUBRICATING SYSTEM
James Bertrand Watson, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 10, 1926, Serial No. 121,606
31 Claims. (Cl. 184—6)



1. In a lubricating system, in combination with an engine provided with a crank case adapted to contain lubricant, a pressure tank provided with rapid heat transferring sides and a central storage chamber, means to exhaust the lubricant and vapors from the crank case and deliver the same under pressure to the tank, means inside the tank to direct the flow of incoming lubricant towards the heat transferring sides, means to maintain constant the pressure within the chamber, and means to convey the lubricant under pressure to the surfaces to be lubricated.

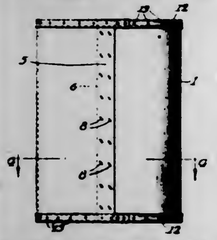
2,001,858
LUBRICATING SYSTEM WITH INITIAL SPLASH
James B. Watson, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1929, Serial No. 364,471
14 Claims. (Cl. 184—6)



1. An internal combustion engine comprising: a crankcase; means therebelow for an initial re-

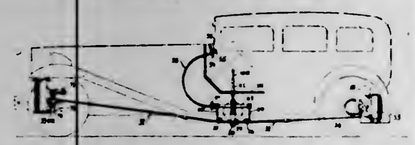
tention of oil at a level favorable to splash lubrication; a pressure receptacle; means for advancing oil thereto; parts to be lubricated; and means effecting delivery of oil from said receptacle to different parts under different predetermined pressures.

2,001,859
BARREL
Thomas R. Winchell, West Newton, Mass., assignor to Northern Maine Plywood Company, Portland, Maine, a corporation of Maine
Application July 22, 1933, Serial No. 681,746
11 Claims. (Cl. 217—1)



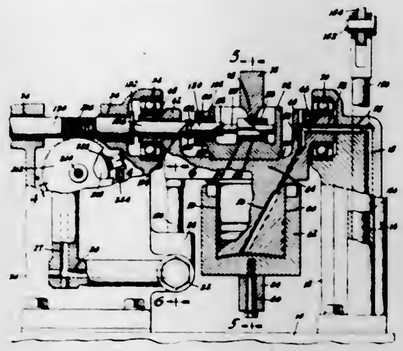
1. A practically hoopless barrel with countersunk heads, the barrel being entirely hoopless between the heads thereof, comprising a body formed of a single sheet of plywood composed of solidly united plies of wood veneer, with the grain of the wood extending crosswise in the different plies, so that some of the grain in effect forms a cylindrical hoop to prevent longitudinal splitting of the body, providing practically the only resistance to the bursting strain imposed on the barrel by the load therein, while other grain in effect forms a cylindrical stay to prevent circumferential splitting, and with a permanently fastened overlapping joint or seam extending longitudinally of the body at one side only thereof, formed by the overlapping ends of the sheet, with the outer edge of the overlap exposed throughout its length between the heads, fasteners inserted through the overlap and forming the sole means for maintaining the seam at all points between the heads, whereby said body constitutes the major strength of the barrel, end wall units in the ends of the body to form the countersunk heads of the barrel, and fasteners extending inwardly through the body into said heads, securing the latter in place.

2,001,860
JACKING APPARATUS FOR AUTOMOTIVE VEHICLES
Austin M. Wolf, Plainfield, N. J., assignor to Motor Jack Corporation, New York, N. Y., a corporation of New York
Application June 15, 1931, Serial No. 544,658
21 Claims. (Cl. 254—86)



19. In combination, a lifting jack having a movable part, a power take-off, a tension member connecting said part and said power take-off for pulling the former, and means associated with the power take-off for pulling said member to actuate the jack.

2,001,861
MEANS FOR TESTING LUBRICANTS
John O. Almen, Royal Oak, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1933, Serial No. 657,211
12 Claims. (Cl. 265—10)



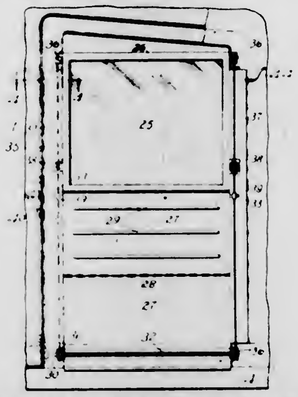
8. In apparatus for testing lubricants, the combination of fixed supporting means, a driving shaft and a swingable support on the fixed supporting means, means for mounting a test assembly consisting of a test arbor and bearing on the swingable support with the axis of the test arbor coaxial with the swing axis of the swingable support; means movable with the swingable support for applying pressure to the bearing; a pressure indicator; means for transmitting fluid pressure to the indicator comprising a double-ended cylinder, a piston, one end of the cylinder being connected by a duct to said pressure indicator and the other end vented so as to function as a dashpot, said cylinder being in communication between its ends with a supply reservoir, and means moving with the swingable support for actuating said piston.

2,001,862
FACIAL TISSUE SUPPORT
Edith Carter Battey, New York, N. Y.
Application February 26, 1931, Serial No. 518,340
1 Claim. (Cl. 128—76)



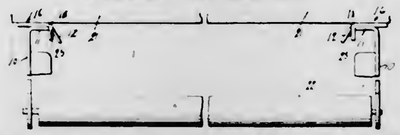
A tissue support for treating facial lines, comprising a tissue-supporting member adapted to exert opposing forces on opposite sides of a facial line whereby to hold the lined tissue in a stretched condition transversely of said line, an adhesive adapted to secure said member to the facial tissues, the member being formed of a moisture-absorbing material having a capacity for shrinkage upon drying, and a moisture-resisting coating on the outer surface of said member whereby upon loss of moisture incident to drying upon the wearer's face the said member is caused to warp concavely toward the face.

2,001,863
AUTOMOBILE DOOR
Charles E. Bedaux, Monts, France
Original application April 27, 1933, Serial No. 668,184. Divided and this application November 16, 1933, Serial No. 698,306
6 Claims. (Cl. 296—44)



1. A sectional automobile door, means substantially parallel to the edges of the door connected to both of said sections to move one section upwardly into position to form a shelter and another section downwardly to form a step, and means to move a rubber closure member into contact with an edge of said door when it is closed.

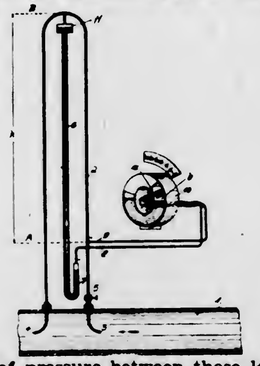
2,001,864
HINGE BRACKET
Samuel Benjinsohn, New York, N. Y., assignor to Sarah Benson, New York, N. Y.
Application August 16, 1934, Serial No. 740,086
4 Claims. (Cl. 156—24)



2. In a bracket hinge, an anchor plate and a bracket arm, said anchor plate being bent to form a securing side and a hinge side, and slotted longitudinally of the bend, said bracket arm having a hinge end and a supporting end, and being bent at its hinge end to form a stop, and means in the bracket arm adapted to engage said anchor plate through its slotted portion, and be held in hingeable relation therewith.

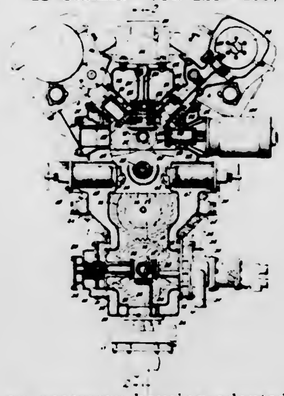
2,001,865
GAS DENSITY METER
Johann Brandl, Vienna, Austria, assignor to the firm Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Montrouge (Seine), France
Application December 10, 1932, Serial No. 646,617
In Austria December 11, 1931
4 Claims. (Cl. 265—44)

2. In a device for measuring the density or specific gravity of a gas flowing through a conduit, a by-pass of the said conduit, arranged so as to allow a slow flow of the gas therethrough and comprising an inverted U-shaped pipe one limb of which constitutes a stand-pipe adapted to permit of the formation therein of a continuously renewed gas column having a pressure difference between two different levels substantially equal to the static pressure due to the weight of the column, a differential-pressure indicating device, and means whereby said indicating device is connected to the stand-pipe at two different levels of the gas column so as to indicate the



difference of pressure between these levels, said means including an upright U-shaped tube containing a balanced liquid column connecting one side of said differential-pressure indicating device with the said stand-pipe at one of the said gas column levels thereof so as to transmit the pressure existing at this level substantially to the height of the other gas column level.

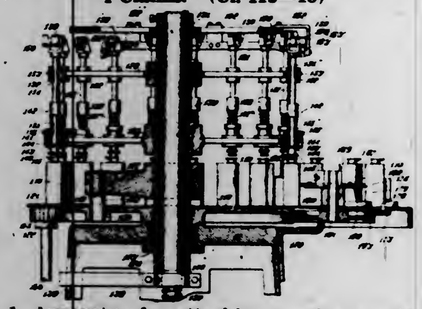
2,001,866
ACCESSORY DEVICE HOUSING FOR INTERNAL COMBUSTION ENGINES
Harold Caminez, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1933, Serial No. 673,589
13 Claims. (Cl. 123—195)



1. In an accessory housing adapted to be secured to one end of the crank case of an internal combustion engine, two accessory device driving shafts located within said housing; means for driving one of said shafts from one end of the crank shaft of the engine; means for driving the other of said shafts from the other end of said crank shaft; a plurality of accessory devices carried by said housing and having driving shafts which extend thereinto; gearing whereby some of said accessory devices are driven by one of the

two shafts aforesaid; and other gearing whereby other of said accessory devices are driven by the other of said shafts.

2,001,867
AUTOMATIC EXPANDING MACHINE
George W. Chalmers, Summit, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Application July 29, 1933, Serial No. 682,839
4 Claims. (Cl. 113—18)



1. Apparatus for attaching pouring spouts to cans comprising in combination, a revoluble table, a plurality of expanding tools arranged in spaced relation above said table, a centrally disposed shaft, a tubular shaft rotatable on the central shaft, means on the tubular shaft for supporting said expanding tools, means on the tubular shaft and slidably engaging the table for connecting said tubular shaft with the revoluble table, means on the central shaft for raising and lowering the expanding tools, means for holding said central shaft against rotation, and means for vertically adjusting the central and tubular shafts relative to said table.

4. A machine for securing spout structures to sheet metal cans comprising in combination, a revoluble table for receiving successive cans on which the spout structures are loosely supported, expanding tools movable with said table and adapted to be raised and lowered relative to said cans, forwarding means for moving successive cans onto said table and positioning them beneath said expanding tools, and spout adjusting means positioned to engage said spout structures during the movement of the cans onto said table, to rotate said spout structures into predetermined angular positions on the cans.

2,001,868
HAMMER
Merton L. Crandall, Jackson, Mich.
Application March 31, 1934, Serial No. 718,398
2 Claims. (Cl. 254—26)



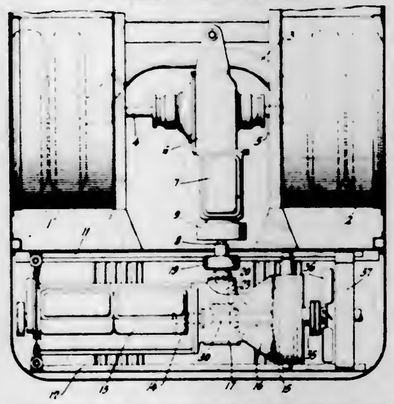
1. A hand hammer comprising a head having a striking face and a nail pulling claw, a protuberance having outwardly extending ears disposed on said head between said face and said claw, the outer surface of said claw adjacent the tip thereof being curvilinear and constituting a rocking fulcrum during the initial nail pulling operation, a roller mounted between said ears for rotation, said protuberance and roller being disposed to one side of a plane tangential to said surface, said roller constituting a rolling fulcrum during the final nail pulling operation.

2,001,869
PROCESS OF MAKING LEAD-HEADED SCREW-THREADED NAILS
Albert J. Deniston, Jr., Chicago, Ill.
Application July 27, 1934, Serial No. 737,153
8 Claims. (Cl. 10—10)



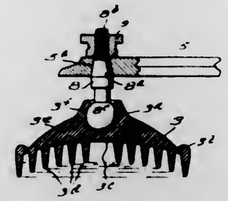
1. The process of manufacturing screw-threaded fasteners, which resides in taking a blank having a shank coated with corrosion resistant material and a pointed end and shaping screw-threads substantially throughout the length of said shank and terminating in said pointed end, said shaping thereof resulting in the surfaces of said threaded shank retaining a substantial protective covering of the corrosion resistant material and made bright and smooth to facilitate rotational driving of the threads of the fastener into holding position.

2,001,870
MOTOR VEHICLE DRIVING MECHANISM
Howard A. Flogaus, Ferndale, Mich., assignor to General Motors Truck Corporation, Pontiac, Mich., a corporation of Delaware
Application June 21, 1934, Serial No. 731,668
7 Claims. (Cl. 180—70)



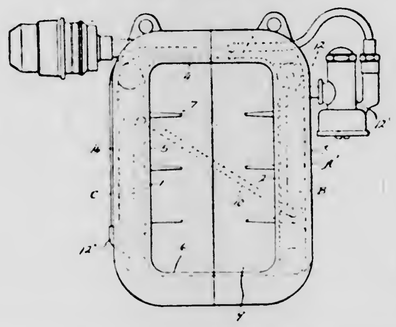
1. Vehicle driving mechanism, including differential and change speed gearing arranged in longitudinal succession between the road wheels, a transversely disposed power plant located principally to one side of the vehicle center line, a flywheel on the opposite side of the vehicle center line, a power shaft connecting the power plant and flywheel and having accessory drive means beyond the flywheel, a driven sleeve surrounding said shaft and having clutch mechanism at one end for engagement with said flywheel and a driving pinion at its other end, and a driven gear meshing with said pinion and having drive connection with the input side of the change speed gearing.

2,001,871
MASSAGING DEVICE
Claud H. Foster, South Euclid, Ohio
Application June 29, 1931, Serial No. 547,625
1 Claim. (Cl. 128—59)



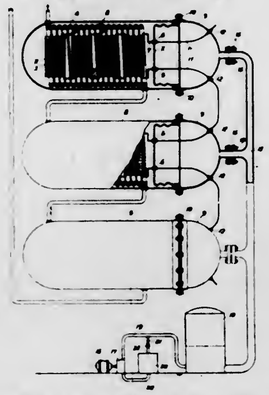
A massaging pad consisting of a unitary body of resilient material having a peripheral rim and having a shallow upwardly concave lower surface within said rim and provided with integral fingers projecting from such lower surface, the back of the said pad being thickened from the rim toward the central portion thereof and provided within the central portion with a spherical socket adapted to receive and to removably retain therein the spherical end portion of a supporting stud, the upper portion of such socket being relatively thin to facilitate the insertion thereinto and removal therefrom of the spherical portion of said stud.

2,001,872
COOLING UNIT
Harold A. Greenwald, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application May 18, 1931, Serial No. 538,335
6 Claims. (Cl. 62—95)



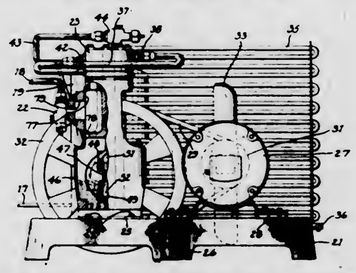
6. A cooling unit having a body comprising two complementary C-shaped sections secured together adjacent the top and bottom to provide a freezing zone, a refrigerant evaporating coil embedded in a side wall of said zone formed by one of said sections, a refrigerant evaporating coil embedded in the opposite side wall of said zone formed by the other section, and an independent connection between said coils.

2,001,873
ELECTRICAL CONDENSER
Bror Hansson, Stockholm, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application November 19, 1932, Serial No. 643,456
In Sweden November 19, 1931
4 Claims. (Cl. 175—41)



1. An electrical condenser consisting of conducting foils separated by dielectric films, a hermetically closed elastic vessel containing said elements, an insulating fluid entirely filling said vessel, a pressure chamber adjacent to said elastic vessel and filled with a medium under pressure, the elastic vessel being exposed to the pressure of said medium, tight leading through insulators arranged in the walls of said vessel, and conductors connecting said foils to terminals arranged in said insulators.

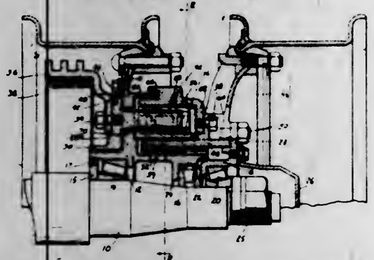
2,001,874
COMPRESSING UNIT
Edward Heitman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application October 12, 1931, Serial No. 568,319
1 Claim. (Cl. 230—206)



A refrigerant compressing unit comprising a compressor having a crankcase and including a cylinder disposed above the crankcase, a valve plate arranged to close the top of the cylinder, a piston reciprocable in the cylinder, an inlet valve carried by said plate, a wall for the compressor having a passage formed therein and an inlet leading to said passage, said passage at opposite ends being in communication with the inlet valve and the crankcase, respectively, and means for supplying refrigerant vapor mixed with oil to said passage at a point below said inlet valve, said passage having a relatively

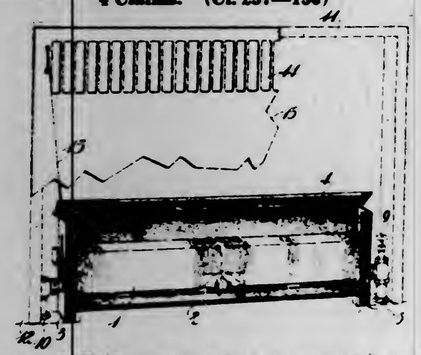
large cross sectional area as compared with said inlet whereby said vapor and oil become separated by change in velocity upon entering said passage.

2,001,875
BRAKE
James F. Higbee, Detroit, Mich., assignor of one-half to Stephen A. Griggs, Detroit, Mich.
Application September 26, 1931, Serial No. 565,251
13 Claims. (Cl. 188—2)



1. A vehicle road wheel assembly comprising a pair of road wheels, a drum carried by each wheel, brake mechanism operable to retard the rotation of one drum, and applying mechanism for said brake mechanism associated with the other drum and its wheel to be actuated thereby.

2,001,876
SHEATH FOR RADIATORS AND THE LIKE
Fredrik W. Hvoslef, Kohler, Wis.
Application December 23, 1933, Serial No. 703,740
4 Claims. (Cl. 257—136)



2. A radiator sheath adapted to enclose a radiator and comprising a pair of end portions, means comprising a pair of bolts extending through longitudinal slots in each of said end portions for attaching said radiator to said end portions whereby to permit vertical adjustment of either end of said radiator; a slot in each of said end portions adapted to permit passage therethrough of a nipple connection, a back portion attached to said end portions, a hinged top portion, and means for actuating said top portion to act as a damper.

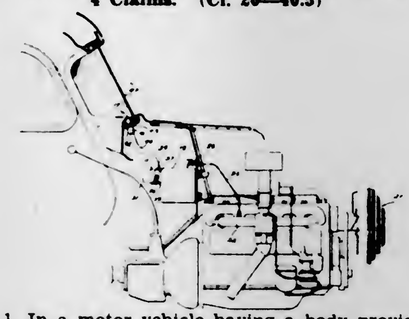
2,001,877
VEHICLE BODY CONSTRUCTION
Hugh A. Johnson, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a corporation of Virginia
Application February 26, 1934, Serial No. 713,048
11 Claims. (Cl. 20—40.5)

1. In a motor vehicle having a body provided with a windshield opening having a shoulder at one side, a windshield within said opening engaging the inner side of the shoulder, means for holding the windshield in engagement with the shoulder including a molding fixed to the body



at the inner side of the windshield in engagement with the latter and fashioned to receive air, means for discharging air into said molding and the latter having openings therethrough directed toward the inner surface of the windshield.

2,001,878
MOTOR VEHICLE
Hugh A. Johnson, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a corporation of Virginia
Application April 30, 1934, Serial No. 723,246
4 Claims. (Cl. 20—40.5)

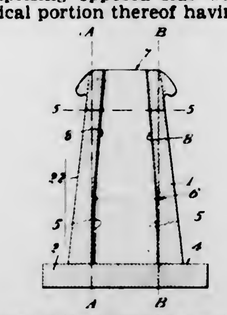


1. In a motor vehicle having a body provided with a windshield, the combination with a heater assembly having an air discharge passage and having means for discharging preheated air through the passage, of a molding fashioned to receive air and removably secured to the body at the inner side of the windshield in engagement with the latter to hold the same against inward movement and having an opening in the top wall thereof, and means establishing communication between the molding and discharge passage of the heater permitting warm air to be conducted to the molding.

2,001,879
INGOT MOLD
Edmund J. Kauffman, Girard, Ohio, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio, a corporation of New York
Application July 23, 1932, Serial No. 624,202
6 Claims. (Cl. 22—139)

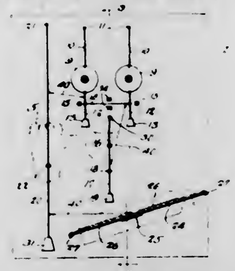
5. A big-end-down ingot mold for casting steel ingots having a substantially rectangular longitudinal cross-section, comprising an integral body portion of heat absorbing material having a differential inwardly tapered matrix therein, the bottom portion of the matrix having a slight inward taper, and a vertical cross-section of said

matrix comprising opposed side walls with the middle vertical portion thereof having an inward



taper in excess of the inward taper in the bottom portion of the matrix.

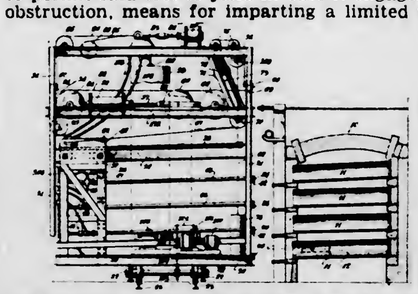
2,001,880
ADVERTISING DEVICE
Herbert D. Lambourne, Baltimore, Md., assignor of forty-five per cent to John G. Onnen, twenty per cent to John W. Simpson, ten per cent to Stanley E. Simpson, and five per cent to George H. Becker, all of Baltimore, Md.
Application June 19, 1934, Serial No. 731,272
3 Claims. (Cl. 40—138)



1. In a device of the class described, comprising a background panel with a face painted thereon having openings at the positions of the eyes, eye discs representing eye balls and pupils resiliently mounted on the background card behind said openings, with guides to permit a movement up-and-down thereof and a relatively slight horizontal movement, a member representing a hand mounted on the front side of the panel and adapted to have a horizontal movement, a pendulum link to so operate the hand, a member representing the lower lips and jaw of the face mounted on the front of the panel, a link for resiliently suspending the last mentioned member and having a weight attached thereto all adapted to give vertical movements to the same, a member representing a product mounted on the front of the panel in a slanting direction and having resilient attachments thereto, and a plurality of links interconnected with said discs, hand member, jaw member and product members to make them actuate with each other.

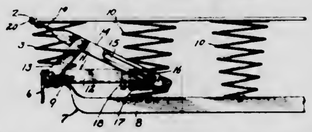
2,001,881
RETORT CLEAN-OUT MACHINE
Hugh R. MacMichael, El Paso, Tex., assignor to American Smelting & Refining Company, New York, N. Y., a corporation of New Jersey
Application July 29, 1932, Serial No. 625,736
7 Claims. (Cl. 214—24)

6. In a cleaning mechanism, a substantially horizontal retort, a cleaning mechanism comprising a carrier, a tool substantially stationary with respect to said carrier, said tool comprising a long shaft having a transverse blade on its projecting end, means for mounting said shaft on said carrier at one end of the shaft only, whereby the tool projects as a cantilever from said carrier, spring devices between said tool and said carrier to permit said tool to yield in case it engages an obstruction, means for imparting a limited ver-



tical movement to said carrier, means to move said carrier toward and away from said retort to cause said tool to enter and leave said retort, and stop devices defining the upper and lower limiting positions of said carrier whereby the lower position of said tool causes it to rest on the bottom surface of its retort and the upper position of said tool is in line with the free space above the charge in said retort.

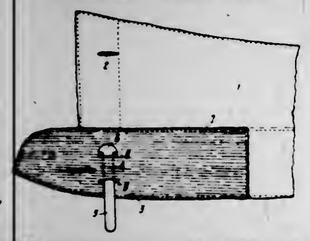
2,001,882
EDGE SUPPORTING DEVICE
Joseph Martin, New York, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York
Application December 27, 1932, Serial No. 648,906
2 Claims. (Cl. 5—262)



1. The combination with a mattress having an upper outer rectangular frame composed of round stock, of a lower smaller rectangular frame composed of angle iron having its horizontally extending flange at its upper end and normally offset inwardly relative to said upper frame, inner coil springs separating and operatively connecting said upper frame to said lower frame, edge supporting devices permitting the depression of said upper frame at least one half the normally extended distance from said lower frame, each having a horizontally extending bar composed of angle iron and having its horizontally extending flange disposed at its lower side, the outer end of the horizontally extending flange of said bar being secured to the horizontal flange portion of one of the longitudinally extending sides of said lower frame, a pin formed at the inner end of the vertically extending flange of said bar, an abutment extending downwardly from the horizontally extending flange of said bar and spaced from the inner end thereof, a lever composed of flat stock and having a slot dividing the same into a short arm and a long arm, the slot receiving said pin with the short arm of said lever extending inwardly below said bar, a spring connecting the free end of said short arm with said abutment, a link composed of flat stock and piv-

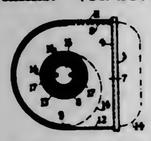
otally connecting the long arm of said lever with the vertically extending flange of said bar, the upper portion of said long arm being bent at right angles to the lower portion thereof and being formed into a loop at its extreme upper end to receive one of the longitudinally extending sides of said upper frame and forming a pivotal connection with the same.

2,001,883
COLLAR FOR PERSONAL WEAR
James Templeton Deans McNicol, Glasgow, Scotland, assignor of three-fourths to David & John Anderson, Limited, Glasgow, Scotland
Application November 8, 1934, Serial No. 751,992
In Great Britain May 11, 1934
3 Claims. (Cl. 2—132)



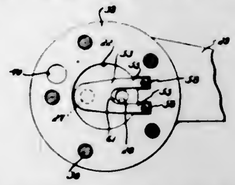
1. A collar having an outer fold and an inner fold, the inner fold having loops adjacent each end thereof, pockets in the outer fold adjacent each end thereof, said outer fold having entrance openings to the pockets in its inner face, said openings being at a lower level than said loops and in alignment therewith, and a stiffener passing through each loop of the inner fold and having their lower ends received in the pockets of the outer fold, said stiffener having a headed upper end which prevents the stiffener from passing downwardly through the loop portion.

2,001,884
FILM BOX OR CHARGER
Arthur Samuel Newman, Highgate, London, England, assignor to Pathéscope Limited, London, England
Application September 1, 1934, Serial No. 742,384
In Great Britain September 18, 1933
3 Claims. (Cl. 242—71)



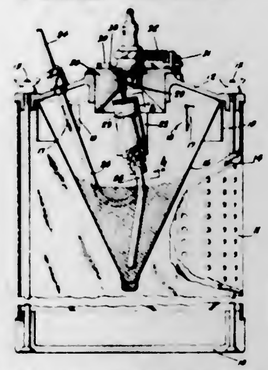
1. A film box or charger having an outer casing and an inner part, the inner part having means for carrying a transverse tube adapted to carry at one end a roll of sensitized film and at the other end a take-up centre piece on to which the exposed film is wound, means for locking the casing to the inner part consisting of a flanged tube, the tubular part passing through an aperture in the outer casing and fitting tightly within the said transverse tube and the flanged part fitting closely against the outer casing, the said centre piece being provided with means so that it may be driven through the locking device and the transverse tube, and two apertures, the one to allow the film to pass out of the box and the other to allow the exposed film to return to the take-up centre piece.

2,001,885
REFRIGERATING APPARATUS
Grayston R. Ohmart, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application May 11, 1932, Serial No. 610,632
2 Claims. (Cl. 230—228)



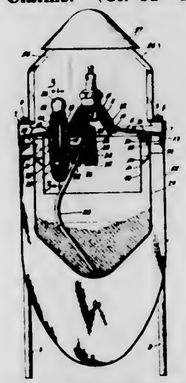
1. In a compressor the combination with means providing a compression chamber, said means having inlet and outlet ports communicating with the interior of said chamber, a reed valve having a pair of relatively narrow supporting legs at one end secured to said means and constituting the sole support of said reed valve, and said valve being so positioned that the free end thereof is arranged for controlling one of said ports and the space between said supporting legs being in alignment with the other port to permit the passage of fluid through the latter port.

2,001,886
SPARK PLUG CLEANING DEVICE
Hector Rabezzana and Alexander J. Battey, Flint, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 6, 1932, Serial No. 591,364
4 Claims. (Cl. 51—8)



1. In a spark plug cleaning device of the class described, a sand containing receptacle conical in form and arranged with its smaller end downward, and the upper end of which is secured to and closed by a closing member or head which supports said receptacle, and has a centrally located opening, and which receptacle has an air and entrained dust outlet adjacent its upper end; a spark plug supporting member located within said opening and having itself an opening for receiving the inner end of a spark plug to be cleaned; a supporting arm depending from said head; and a nozzle supported by said arm and located above the sand in said receptacle; said nozzle having a depending sand supply pipe, and an air supply pipe leading through the head aforesaid, and which nozzle is arranged to project a jet of air and sand in a direction inclined to the axis of and against the inner end of a spark plug supported as aforesaid.

2,001,887
SPARK PLUG CLEANING DEVICE
Hector Rabezzana and Alexander J. Battey, Flint, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 26, 1932, Serial No. 634,878
9 Claims. (Cl. 51—8)



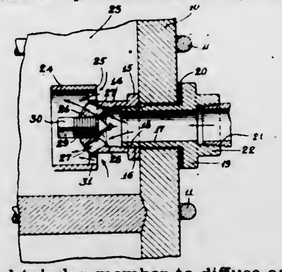
5. In a spark plug cleaning device, a head having means for supporting a spark plug to be cleaned; a nozzle arranged to project a stream of mixed air and abrasive material against a spark plug supported by said supporting means; a pipe through which an abrasive material is supplied to said nozzle; a passage through which air under pressure is supplied to said nozzle; and a restriction plug arranged in said last mentioned air supply passage and having a permanently open and invariable restricted opening therethrough of less area than said passage.

2,001,888
SPARK PLUG ELECTRODE
Donald W. Randolph, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application May 6, 1932, Serial No. 609,771
11 Claims. (Cl. 123—169)

1. A spark plug having an electrode made of an alloy having as its major constituent a base metal such as nickel-cobalt metal, a metal of the alkaline earth group to reduce the sparking voltage, and chromium to increase emissivity, resist corrosion and retard evaporation of the metal.

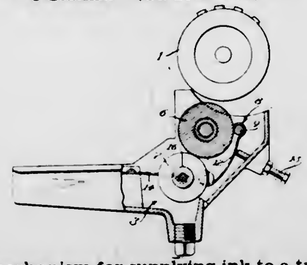
2,001,889
NOZZLE
Frank J. Rash, Chicago, Ill., assignor of one-half to Elmer W. Barth, Chicago, Ill.
Application March 21, 1934, Serial No. 716,680
3 Claims. (Cl. 261—77)

1. In a device of the character described, the combination with a tubular member defining a passage, of an enlarged tubular member formed axially of said first named tubular member for attachment thereto to define a peripheral shoulder in spaced relation from the entrant orifice of said tubular member, there being openings in the peripheral face of said shoulder for enabling the circulation of the surrounding medium, there being inclined apertures extending between said tubular members to establish communication for steam or other medium passage from one to the other, a conical tip extending axially within said



first named tubular member to diffuse and direct the steam through said inclined apertures, and means for connecting a pipe line to the entrant orifice of said first named tubular member for directing the injecting medium through said inclined apertures to said enlarged tubular member.

2,001,890
TYPE CYLINDER PRINTING DEVICE
Edward G. Rix, Chicago, Ill., assignor to The International Check Endorser Co., Chicago, Ill., a corporation of Illinois
Application June 3, 1932, Serial No. 615,164
6 Claims. (Cl. 101—350)

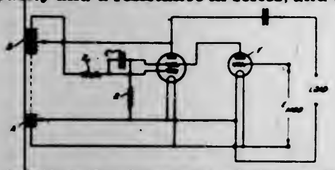


1. A mechanism for supplying ink to a type cylinder rotatable about a horizontal axis comprising an ink reservoir, an ink supply roller rotatable about an axis parallel to the type cylinder and engaging said type cylinder, means for driving said roller at the same surface speed as said type cylinder, a rotatable scraper engaging said roller for spreading the ink on said roller, and means for rotating said scraper in the opposite direction to that of the roller at less average surface speed than the surface speed of the roller whereby the ink will be spread and foreign material such as lint and grit will be released from the scraper as the scraper rotates.

2,001,891
MODULATION
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application May 5, 1932, Serial No. 609,422
In Germany May 21, 1931
3 Claims. (Cl. 179—171)

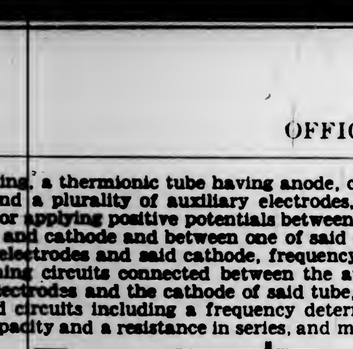
2. Means for producing undulatory electrical energy comprising, oscillation generating means

including, a thermionic tube having anode, cathode, and a plurality of auxiliary electrodes, circuits for applying positive potentials between said anode and cathode and between one of said auxiliary electrodes and said cathode, frequency determining circuits connected between the auxiliary electrodes and the cathode of said tube, one of said circuits including a frequency determining capacity and a resistance in series, and means



for modulating the frequency of the oscillations produced linearly at signal frequency including, a second resistance in parallel with said series resistance and capacity, a second thermionic tube having anode, cathode and control grid, a circuit connecting the anode to cathode impedance of said second thermionic tube in parallel with said second resistance, and circuits for applying modulating potentials between the control grid and cathode of said last-named tube.

2,001,892
CLUTCH WITH SYNCHRONIZING MEANS
Joseph P. Ruth and George H. Weelbing, Denver, Colo., assignors to The Ruth Company, Denver, Colo., a corporation of Colorado
Application November 7, 1933, Serial No. 696,991
3 Claims. (Cl. 192—53)



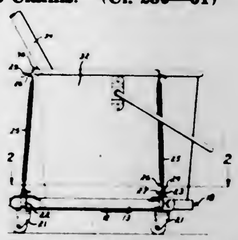
3. A clutch mechanism for interlocking a driven shaft with a driving power transmission member comprising a clutch member slidably but nonrotatably connected with the driven shaft, the adjacent surfaces of the clutch member and the power transmission member having teeth adapted to interlock, a friction clutch mechanism slidably but nonrotatably connected with the clutch member, a positive latching device for holding the clutch member and the friction clutch mechanism against relative longitudinal movement, the friction clutch mechanism and the power transmission member having cooperating friction surfaces, means for moving the clutch means and the friction clutch mechanism towards the power transmission member, means operated by the movement of the clutch member for bringing the friction surfaces into operative position and for forcing them together whereby the driving member and the driven shaft will be forced to rotate at the same speed, means operated by the further movement of the clutch member for releasing the friction clutch, and means operative by the still further movement of the clutch member for releasing the latching device before the teeth are brought into interengaging position.

2,001,893
GUY WIRE GUARD
Howard P. Seelye, Royal Oak, Mich.
Application April 11, 1932, Serial No. 604,566
1 Claim. (Cl. 189—31.5)



In combination, an inclined guy wire, anchorage means for the lower end of said guy wire, and a guard for said guy wire, said guard having a laterally opening open-ended slot and comprising a series of elongated blocks arranged in non-overlapping abutting engagement upon and frictionally engaging said wire, said blocks being so constructed and arranged that upon being struck they will permit flexing of the guy wire to cushion the blow.

2,001,894
SCRUB BUCKET DOLLY
Arthur Smith, Pasadena, Calif.
Application June 2, 1934, Serial No. 728,731
5 Claims. (Cl. 280—61)



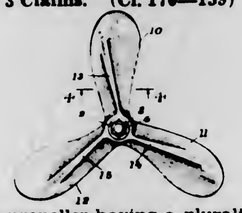
1. In a scrub bucket dolly, a base including a rim hoop member and a plurality of arms engaging the lower edge of said rim member, each of said arms terminating in a U-shaped end, the upper portion of said ends engaging the top of said hoop, the lower portion of said U-shaped ends having an aperture, the upper portion of said ends having an aperture in alignment with said first aperture, a caster having a base, said caster base engaging the lower portion of said U-shaped end, the caster including a shank fitting said aligned apertures and bucket engaging means on said shank.

2,001,895
ENGINE
Harold H. Timian, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application June 4, 1931, Serial No. 542,014
28 Claims. (Cl. 123—52)

1. An intake manifold structure for an internal combustion engine having a fuel mixture forming device and including a runner communicating with said fuel mixture forming device, and wet fuel conducting means extending substantially the full length of the runner for inducing a stratified fuel flow in a predetermined defined path longitudinally of the runner for distributing the fuel to the engine.

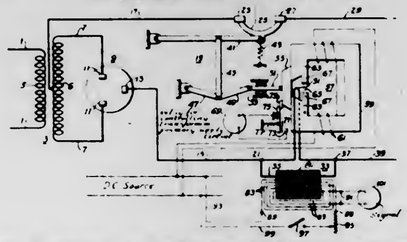


2,001,896
SHIP PROPELLER
Charles J. Ward, Grassmere, Staten Island, N. Y.
Application August 24, 1933, Serial No. 686,662
3 Claims. (Cl. 170—159)



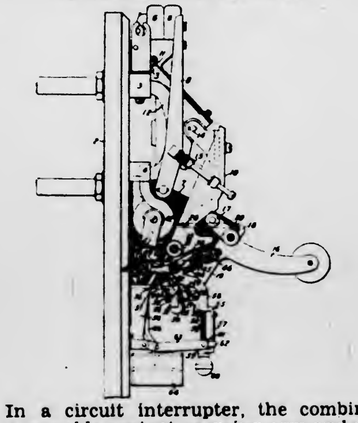
1. A ship propeller having a plurality of blades rigidly connected to the central portion thereof and screw pitched to produce a propulsive action in water, the blades being inclined rearwardly of the normal axis of forward rotation to present sloping external surfaces to the water, the inner surface portions of the blades being connected to screw pitched webs.

2,001,897
CIRCUIT INTERRUPTER
Donald C. West and Herbert A. Rose, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1932, Serial No. 648,193
14 Claims. (Cl. 175—294)



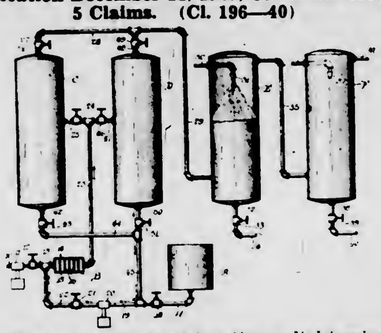
2. In electrical apparatus, an electro-responsive means including a core member having an energizing winding and a normally ineffective deenergizing winding for supplying a magneto-motive force opposing that of said energizing winding, said deenergizing winding being effective upon the occurrence of predetermined electrical conditions, said deenergizing winding being paralleled by an inductive shunt having a core of magnetic material and means for substantially saturating said core when normal current is flowing through said deenergizing winding, the flux density in said core when the current flowing through said deenergizing winding has dropped to zero, being at least equal to two-thirds the flux density at saturation.

2,001,898
CIRCUIT INTERRUPTER
Walter M. Austin, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company a corporation of Pennsylvania
Application January 8, 1919, Serial No. 270,110
13 Claims. (Cl. 200—109)



1. In a circuit interrupter, the combination with a movable contact-carrying arm and an operating lever therefor, of a latch mechanism comprising an adjustable stop-member disposed on said lever, a pivoted main latch member having arms of different lengths, the shorter of which has a pair of oppositely disposed shoulders thereon for engagement with said stop member, a pivoted auxiliary latch member for engagement with the longer of the said main latch arms and having a projection, said projection extending to a position adjacent said contact-carrying arm to prevent the operation of said auxiliary latch member when the interrupter is in its open position, a spring connecting said latch members, a stop member for said auxiliary latch member and means for operating said auxiliary latch member.

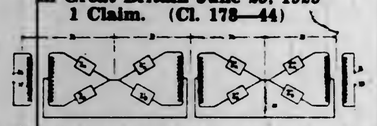
2,001,899
PROCESS AND APPARATUS FOR ACID TREATING LIGHT MINERAL OIL
Frank O. Blair, Laramie, Wyo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 11, 1929, Serial No. 413,351
5 Claims. (Cl. 196—40)



3. The process of acid treating a light mineral oil which comprises thoroughly mixing and agitating said oil and sulfuric acid sludge, passing said mixture of oil and acid sludge to a settling zone where the sulfuric acid sludge is permitted to settle, removing the settled sludge, thorough-

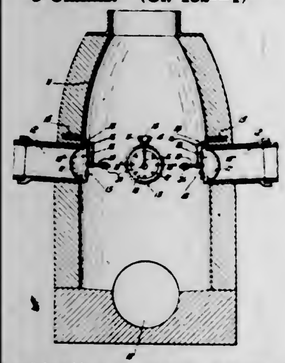
ly mixing and agitating said settled acid sludge with another portion of untreated light mineral oil, the amount of sulfuric acid sludge being greater than the amount used in the first treatment, passing the second mixture of sulfuric acid sludge and oil to a second settling zone where the sludge is again permitted to settle, and removing the used sulfuric acid sludge from the treated oil.

2,001,900
TELEPHONE AND LIKE TRANSMISSION SYSTEM
Alan Dower Blumlein, London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn., a corporation of New York
Application April 24, 1930, Serial No. 446,892
In Great Britain June 29, 1929
1 Claim. (Cl. 178—44)



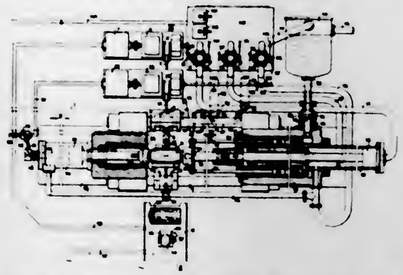
An electrical transmission net-work comprising two inductive windings tightly coupled to each other and two impedances, said inductances and impedances being adjacent each other and being connected to form a bridge, a pair of terminals connected to the junction point of said impedances and to the junction point of said inductances, another pair of terminals connected to the extreme ends of said inductances and a resistance shunt connected across said first-named pair of terminals to correct the impedance change introduced by the parallel inductive opposing impedance of the magnetically coupled arms.

2,001,901
ODOR-SEALING VALVE FOR COMBINATION SEWER DRAINS
Brant A. Cunningham, Akron, Ohio
Application October 14, 1933, Serial No. 693,627
3 Claims. (Cl. 182—4)



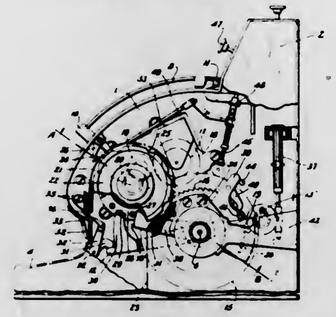
1. In combination, a sewer system having a manhole therein, a drain conduit leading to said manhole and having an outlet in said manhole, a valve structure of waterproof, flexible, deformable material disposed on a horizontal axis and having a surface thereof shaped to cooperate with and enter said outlet end of the conduit, means disposed co-axially of said valve structure for supporting the same, and means operating through said support for yieldingly retaining said valve under deforming pressure against said outlet end of said conduit.

2,001,902
APPARATUS FOR THE MANUFACTURE OF SEAMLESS HOLLOW BODIES
William H. Engelberts, Pittsburgh, Pa.
Application June 3, 1933, Serial No. 674,196
6 Claims. (Cl. 78—9)



2. An apparatus for manufacturing hollow bodies from heated solid-metal billets, comprising a main cylinder with a plunger therein, a mandrel and a mandrel guide, means connecting the mandrel and mandrel guide with the plunger, a second cylinder, a piston therein extended at both ends, a mandrel connected to, and carried by, one of said piston extensions, a stationary billet holder, in alignment with, and between, said cylinders, with a pocket therein to accommodate the billet, an auxiliary cylinder, partially projecting into the main cylinder and partially engaging the plunger therein, having a piston rigidly connected to said plunger, pressure fluid applied to said piston for advancing the plunger with the mandrel and mandrel guide, to place the billet into working position within said holder, high pressure fluid, supplied to the plunger in the main cylinder and to the piston in the second-mentioned cylinder, for advancing both mandrels, connected to said plunger and piston, respectively, in opposite direction to each other, into the stationarily held billet, thus piercing the billet longitudinally while displacing the metal of the billet laterally so as to form a hollow body open at both ends, pressure fluid applied to the plunger for further advancing the mandrel connected thereto, thereby returning the second-mentioned mandrel and the piston, carrying the same, to their initial position, pressure fluid supplied to the auxiliary cylinder for reversing the direction of motion of the piston therein, thereby withdrawing the mandrel from the hollow body and returning the plunger with said mandrel to their initial position, pressure fluid supplied to the second-mentioned cylinder for re-advancing the piston therein, causing relative movement of said piston-extensions, thereby effecting, the ejection of the hollow body from its holder and the return of the mandrel guide to its initial position by means of one of said piston extensions and, thereafter, the expulsion of the hollow body from its support by means of the second piston extension and cooperatively connecting means projecting into the path of the last-mentioned piston-extension, a delivery table for receiving the hollow body after its expulsion, a switch on said table, a billet supplying device, means connecting said switch with the billet supplying device, means connected to said switch and extending into the path of the hollow body upon said table, acting upon said switch to impart relative movement to said supplying device, thereby placing another billet in alignment with, and between, the punching mandrels.

2,001,903
TICKET DISPENSING MEANS
Carl Fürrer, Zug, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland
Application March 23, 1933, Serial No. 662,215
In Switzerland March 29, 1932
1 Claim. (Cl. 164—42)



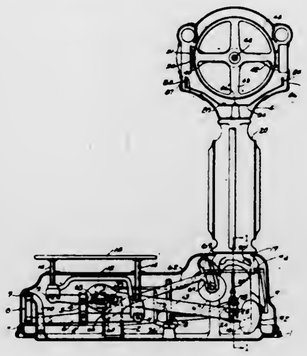
A ticket-dispensing mechanism including in combination a strip-feeding member comprising a drum having a plurality of stops thereon, manually-actuated means for setting said drum to a predetermined stop and spring power means for thereafter rotating the drum to feed a predetermined number of units from said strip, for severing said units from the strip, and for thereafter returning said mechanisms to their initial positions the severing device being retracted manually to permit the feeding action and being power actuated to effect cutting.

2,001,904
COMBINATION HAIR CURLING INSTRUMENT
Dewey E. Harmon, Dallas Center, Iowa
Application October 16, 1933, Serial No. 693,766
6 Claims. (Cl. 132—33)



1. In a hair curling instrument, a hollow tube, a rod rotatably mounted in said tube, a means for preventing the rotation of said rod in one direction relative to said tube, a sleeve rotatably and slidably mounted on said tube, a means for restriction of rotation of said sleeve in one direction, a means to facilitate the securement of hair to said rod, a means for securement of hair to said tube at times, and a means for securing hair to said second-mentioned tube.

2,001,905
WEIGHING SCALE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application December 23, 1932, Serial No. 648,540
9 Claims. (Cl. 265—37)



5. In a device of the class described, in combination, weighing mechanism, automatic load counterbalancing and indicating means connected thereto, manually manipulative load counterbalancing means in operative relation thereto, indicating means actuated thereby, said automatic indicating means comprising a rotatable cylindrical chart and said indicating means for said manipulative load counterbalancing means including a two-armed member pivoted below said chart and having portions extending above the plane of the lower edge of said cylindrical chart, the ends of said upwardly extending portions having surfaces which bear indicia, denoting weights of loads offset by said manipulative load counterbalancing means.

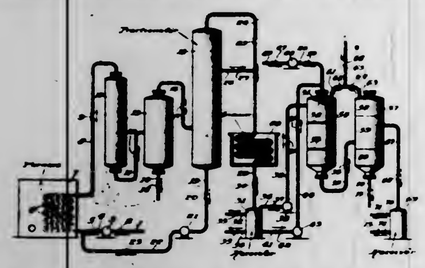
2,001,906
TREATMENT OF HYDROCARBON OILS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 26, 1932, Serial No. 639,615
3 Claims. (Cl. 196—10)

1. A process for the production of high anti-knock motor fuel, which comprises simultaneously subjecting a straight run distillate containing gasoline hydrocarbons and gases resulting from a cracking process to the action of sulphuric acid, and reacting olefins contained in the gases with a portion of the distillate to form alkylated derivatives of high anti-knock rating.

2,001,907
TREATMENT OF MOTOR FUEL
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1932, Serial No. 639,618
2 Claims. (Cl. 196—10)

1. A process for increasing the anti-knock value of light hydrocarbon distillates containing a substantial quantity of hydrocarbons within the gasoline boiling range, which comprises reforming the distillate by pyrolytic conversion thereby forming condensible aromatics and gaseous ole-

fins, reacting such olefins and aromatics in the presence of sulphuric acid to form alkylated de-

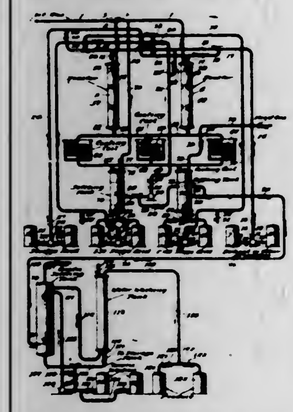


rivatives, and recovering a liquid product containing said derivatives.

2,001,908
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 26, 1932, Serial No. 639,620
5 Claims. (Cl. 196—10)

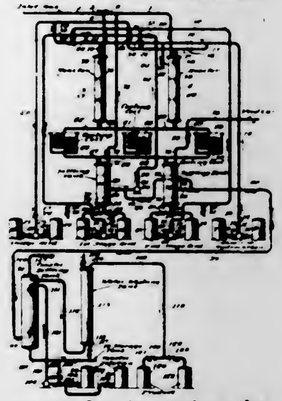
1. A process for the production of liquid products suitable for use as motor fuel and possessing high anti-knock characteristics from gaseous products, which comprises subjecting the gases resulting from a hydrocarbon oil cracking process to the action of preformed sludge acid produced in the treatment of hydrocarbons with sulphuric acid, and recovering the desired resulting liquid product.

2,001,909
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1932, Serial No. 639,621
6 Claims. (Cl. 196—10)



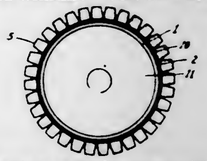
6. In the alkylation of cyclic hydrocarbons of a benzenoid character, the method which comprises reacting the cyclic hydrocarbon with olefine hydrocarbon in the presence of preformed sludge acid produced in the treatment of hydrocarbons with sulphuric acid.

2,001,910
TREATMENT OF HYDROCARBON OILS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 28, 1932, Serial No. 640,123
6 Claims. (Cl. 196—10)



5. A process for increasing the anti-knock value of light distillates containing a substantial quantity of hydrocarbons within the gasoline boiling range, which comprises forming alkylated compounds in the distillate by reacting components of the latter with olefins in the presence of preformed sludge acid derived from the treatment of hydrocarbons with sulphuric acid.

2,001,911
ABRASIVE ARTICLES
Charles E. Wooddell and Charles S. Nelson, Niagara Falls, and Roy Lincoln, Buffalo, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application April 21, 1932, Serial No. 606,632
11 Claims. (Cl. 51—190)

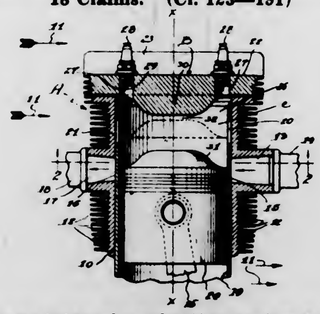


8. An abrasive article comprising a flexible backing and a plurality of blocks of bonded abrasive material attached to said backing by a layer of resilient material of sufficient thickness to permit substantial yielding of said blocks under the pressures applied in grinding.

2,001,912
THERMAL INSULATION
Martin C. Huggett, Chicago, Ill., assignor, by mesne assignments, to Research Inc., a corporation of Illinois
No Drawing. Application September 30, 1933, Serial No. 691,696
2 Claims. (Cl. 154—44)

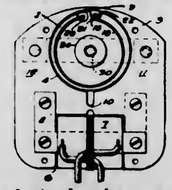
1. A thermal insulation unit consisting of a base sheet having thereon a highly polished heat-reflective non-metallic mineral film; said film having a heat-reflective power approximating that of polished silver.

2,001,913
ENGINE
James W. Kinnucan, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application March 3, 1932, Serial No. 596,417
18 Claims. (Cl. 123—191)



1. In an internal combustion engine, a cylinder, sleeve valve means associated with said cylinder and acting to induce the fuel mixture introduced into the cylinder to swirl in one direction about the cylinder axis, a cylinder head structure closing one end of said cylinder and having heat radiating fins extending across the outer face of the head structure, a piston operable within said cylinder, and a spark plug having its terminals positioned radially inwardly and adjacent the outer end of the wall of said cylinder, said spark plug having its end portion remote from its spark terminals projecting outwardly substantially axially of the cylinder from said cylinder head structure into a space intermediate two of said fins.

2,001,914
NON-SELF-STARTING CLOCK-MOTOR
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 21, 1931, Serial No. 570,092
22 Claims. (Cl. 172—275)



3. A slow-speed, single-phase, synchronous motor comprising a rotor and a stator, the rotor being a single circular disk of magnetizable material having a large number of spaced teeth on its periphery, the stator having two co-planar polar portions each embracing substantially half of the rotor and having teeth spaced with a tooth pitch to cooperate with the rotor teeth, characterized by a diametrically disposed, non-magnetic bridge spanning the two polar portions and provided with a stationary rotor-supporting pin disposed centrally, the rotor having some freedom of longitudinal movement on said pin and being normally held in an intermediate longitudinal position by the attraction of the stator during the normal operation of the motor.

9. A synchronous-motor drive-mechanism comprising, in combination with the motor-rotor, a stiff spring for transmitting the entire torque of the motor-rotor, the stiffness being such that the spring is deflected through an angle somewhere of the order of eight times as much as the angle of deflection of the motor-rotor at the pull-out torque of the motor under normal voltage conditions, a flywheel driven by said spring, and a substantially freely running spur reduction-gear driven by the flywheel and constituting a fluctuating load on the flywheel.

21. A single-phase motor of a type having teeth of identical tooth-pitches on the stator and the rotor, characterized by having a one-piece, two-pile magnetizable stator member having a multi-toothed bore for receiving the rotor, and having magnetically saturated reduced-section portions of said material at diametrically opposite sides of said bore for holding the alinement of the two polar halves of said material.

2,001,915
HAIR WAVING APPARATUS
Macia Smith Mabie, San Francisco, Calif.
Application April 30, 1934, Serial No. 723,160
4 Claims. (Cl. 132—33)



1. In a hair waving device, a pair of hair clamping bars pivoted to each other at one end, one of the bars at its free end having an inwardly protruding blade, the other of the bars at its free end having spaced prongs with which the blade is adapted to frictionally engage to maintain the bars in clamping positions alongside one another, and a lever member pivoted on one of the bars for separating the bars.

2,001,916
SOUND ABSORBING MATERIAL
Jacob Mazer, Stonehurst, Pa.
Application July 23, 1929, Serial No. 380,328
3 Claims. (Cl. 154—44)

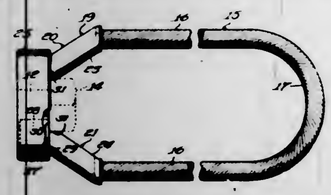


1. A sound-absorbing body containing cells whose walls are flexible and highly elastic, and of such thinness that they will vibrate under the influence of sound waves, the cells in one portion of the body being of a predetermined average size, and the cells in another portion of the body being of another predetermined average size.

2,001,917
STRAIN DEVICE
Herbert E. Miller, Allentown, Pa., assignor to Utilities Service Company, Inc., Allentown, Pa., a corporation of Pennsylvania
Application January 4, 1933, Serial No. 650,153
6 Claims. (Cl. 248—31)

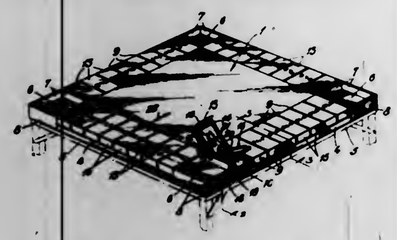
1. A device of the character described comprising a flexible article embracing member, and a yoke formed of a pair of complementary members each secured to one end of said flexible member, one of said complementary members being provided with an opening extending longitudinally with respect to the flexible member and

surrounded by the material of such complementary member, the other complementary member having a projecting portion corresponding in shape and size to and movable longitudinally into



said opening, the members of said pair having portions facing in the direction of said flexible member and lying substantially in the same plane to be engaged by a common securing element.

2,001,918
CARD TABLE TOP
Wilford J. Nevius, Washington, D. C.
Application January 12, 1935, Serial No. 1,584
7 Claims. (Cl. 273—151)



1. A portable card table top for duplicate games, comprising a substantially flat playing surface terminating in depending marginal flanges for removable engagement with the edge portions of a card table, the playing surface of the table being offset downwardly at opposite sides to provide recesses extending along opposed edges of the table, a plurality of card-containing compartments each having an outer wall and side flanges arranged in side by side relation in said recesses, each compartment being pivotally mounted for swinging movement towards and away from its said recess, said outer wall of each compartment being disposed flush with and constituting a continuation of said playing surface when said compartment is in closed position, and means within each of said compartments for yieldably retaining one or more groups of cards; each group constituting a hand to be played on the playing surface, the side flanges of said compartments preventing displacement of the cards therein when the table top is removed and in stored position on its edge.

2,001,919
MEANS OF PREPARING, PACKAGING, AND SERVING FROZEN CONFECTIONS
John J. Nolte, Los Angeles, Calif.
Application February 14, 1933, Serial No. 656,702
8 Claims. (Cl. 206—56)

1. A device as described, consisting of a paper cone, a drip plate of larger diameter than the open widest portion of said paper cone and designed to close the same and providing an annular groove around the outside face of the paper cone, a thimble in said drip plate having a closed terminal projecting into the cone and a stick de-



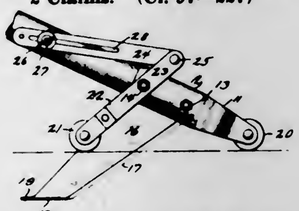
tachably and frictionally anchored in said thimble.

2,001,920
MOTOR DRIVEN SWITCH MECHANISM
Georg Ogurkowski, Zug, Switzerland, assignor to Landis & Gyr, A-G., a limited joint-stock company, Zug, Switzerland
Application May 24, 1928, Serial No. 280,312
In Switzerland June 11, 1927
1 Claim. (Cl. 200—92)



Switching mechanism including in combination side frames, a shaft rotatably mounted in said frames to be driven by a motor mounted between said frames, stop pins on one side frame, a stop arm mounted eccentrically on said shaft, a spring connected to said arm and shaft to drive said arm from said shaft, a switch and operating means therefor controlled by said arm, said switch and operating means being positioned between said frames and between said shaft and motor.

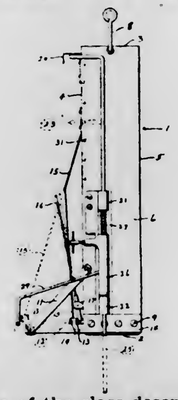
2,001,921
LAWN EDGER
Howard Lester Petteys, Perrysburg, Ohio
Application August 26, 1932, Serial No. 630,504
2 Claims. (Cl. 97—227)



1. In a lawn edger, a handle shaft, a roller journalled on the forward end thereof, a blade depending from the shaft parallel to the plane of the shaft axis and perpendicular to the axis of the roller, said blade having a forward cutting edge, a rear roller mounted below the handle shaft and rearwardly of said forward roller, an arm on the end of which said rear roller is mounted, said arm being pivoted intermediate its

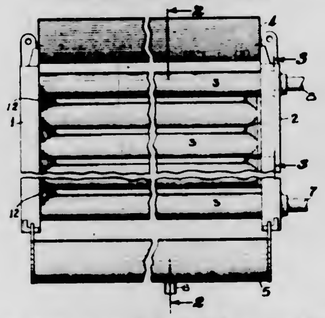
ends on the shaft, a link pivoted to the other end of the arm, and an adjustable connection between said link and the shaft, said arm extending downwardly and rearwardly and said link movable longitudinally alongside said handle.

2,001,922
APPARATUS FOR SAMPLING LIQUIDS
Emerson W. Pribble, Oklahoma City, Okla.
Application August 7, 1933, Serial No. 683,937
4 Claims. (Cl. 137—18)



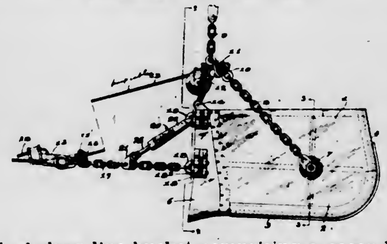
1. In a device of the class described, the combination with a body having open ends, and a slidable closure for the lower end thereof, of a spring carried by the exterior of the body and connected to the closure for urging it to a closing position, longitudinally movable rods carried by opposite sides of the body and adapted to extend below the bottom thereof, said rods connected together for simultaneous movement, and a latch for holding the closure in an open position, said latch slidably carried by the rods and adapted to be adjustably connected thereto for movement therewith, and adapted to release said closure to the action of said spring when the rods are moved upwardly with relation to the body.

2,001,923
LIQUID COOLER
James Robertson and George H. Purdy, San Francisco, Calif.
Application April 16, 1934, Serial No. 720,823
4 Claims. (Cl. 257—183)



3. In a cooler, a pair of spaced vertical headers, and a plurality of tubes having hollow lips thereon, the tubes being connected in series and mounted between the headers with the lip of one tube being positioned in close proximity to the wall of an adjacent tube, each pair of those tubes which are connected having their walls at points adjacent their ends bent outwardly to provide a channel connecting the interior of one tube with the interior of another tube.

2,001,924
EXCAVATING BUCKET
Basil P. Strong, Atwater Village, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application October 26, 1932, Serial No. 639,683
8 Claims. (Cl. 37—135)



1. A drag-line bucket comprising a scoop having side walls, a drag-line flexibly connected to the front edge portion of each of said side walls, a rigid lengthwise adjustable tension-compression member interposed diagonally between each drag line and the upper part of each of said side walls and connected to the drag-line and to the upper part of each side wall, a dump cable connected to the front edge portions of each side wall, a drag cable, a pulley carried by the drag cable, the medial portion of the dump cable passing about said pulley, a hoist line, and sheave wheels supported by the hoist line and arranged at the front edge potrions of the top of the scoop, said dump cable passing over the said sheave wheels.

2,001,925
PROCESS FOR THE MANUFACTURE OF STARCHES
Francis H. Thurber, Washington, D. C., dedicated to the free use of the Public
No Drawing. Application August 15, 1932, Serial No. 628,890
5 Claims. (Cl. 127—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the manufacture of starch which comprises treating a freshly ground sweet potato pulp with an alkaline sodium sulphite solution.

2,001,926
ESTERIFICATION OF ORGANIC ACIDS WITH SEPARATION OF THE ESTERS IN HIGHLY CONCENTRATED FORM
Gábor Török, Budapest, Hungary
No Drawing. Application June 9, 1932, Serial No. 616,314. In Germany June 13, 1931
5 Claims. (Cl. 260—106)

1. A process for the direct conversion of water-soluble lower fatty acids with monohydric aliphatic alcohols into highly concentrated esters which are practically free from alcohols, in which the esterification of the aqueous lower fatty acid is effected in two consecutive, conjoint, but separately proceeding working stages, in the first stage with an excess of alcohol and in the second stage

with an excess of acid, practically completely esterifying the said fatty acid by subjecting the liquid acid coming from the excess acid stage to the action of excessive quantities of alcohol vapors led in counter-current to it, and practically completely removing any alcohol vapors from the ester by subjecting the ester vapors resulting from the excess alcohol stage to the action of an excess of unreacted liquid lower fatty acid led in counter-current to them.

2,001,927
PACKAGE DIVERTING DEVICE
Paul Van Wyk and Irvine R. Acheson, Portland, Oreg., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 13, 1933, Serial No. 666,036
13 Claims. (Cl. 198—185)



2. A main conveyor for moving packages along a predetermined path comprising a frame work, a flexible conveyor and supporting rollers, a package diverter consisting of a portable unit conveyor attachable to any one of said supporting rollers and wholly supported by said main conveyor, friction means on said portable unit conveyor for contact with said main conveyor to derive movement therefrom, means carried by said unit conveyor for directing packages from said main conveyor to said unit conveyor to transfer them to a place of disposal.

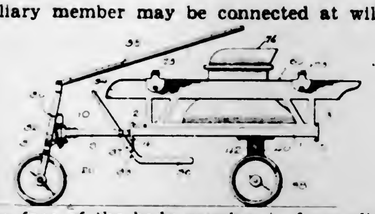
2,001,928
PLACARD
Antonino Alfano, Rome, Italy
Application September 21, 1931, Serial No. 634,248
In Italy September 21, 1931
1 Claim. (Cl. 41—34)



A method of producing placard reproductions, consisting in making a sketch of the placard to be reproduced, enlarging the switch to the size of the desired reproduction, dividing the enlargement into its elements of equal color and light effect, forming patterns corresponding to the shapes of the elements as divided, superimposing the patterns on a pile of sheets of materials of different colors and effects, cutting the sheets in accordance with the pattern in a single operation, and fixing the cutouts on a support in correspondence with the arrangement of the similar elements in the sketch.

2,001,929
CONVERTIBLE CHILD'S VEHICLE
Shearman Botteese, Washington, D. C.
Application February 12, 1934, Serial No. 710,927
11 Claims. (Cl. 280—8)

1. A convertible child's vehicle comprising a main body member, having rotatable surface-engaging elements on one face, locking elements on both faces of said body member, and an auxiliary member having gliding surface-engaging elements and locking elements for cooperative engagement with the locking elements on either of the faces of the body member whereby the auxiliary member may be connected at will to



either face of the body member to form gliding supports or a rack body.

2,001,930
PROCESS AND APPARATUS FOR THE FERMENTATION OF CARBOHYDRATES
Stephan Carl Daránvi, Hamburg, Germany
No Drawing. Application October 5, 1931, Serial No. 567,107. In Germany March 20, 1931
10 Claims. (Cl. 260—135)

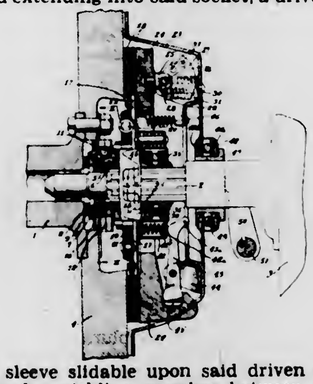
1. A method of producing butyl alcohol and acetone by bacterial fermentation of carbohydrates, consisting in inoculating an aseptically prepared, carbohydrate-containing mash with butyl alcohol and acetone producing bacteria, bringing it into vigorous fermentation, adding to the fermenting mash a further, also aseptically prepared mash having a higher carbohydrate concentration than the fermenting mash initially had, in quantity so that the total carbohydrate concentration, calculated on the fermented and unfermented carbohydrates, of the mash mixture resulting after the addition exceeds the total carbohydrate concentration of the initial mash, but its actual unfermented carbohydrate concentration does not rise above the initial total carbohydrate concentration of the starting mash, but is equal to that at the most, and then continuing the fermentation until completion.

10. A method of producing butyl alcohol and acetone by bacterial fermentation of carbohydrates with the recovery of a fermented product having a so-called "solvent"-content of about 3.6%, consisting in inoculating an aseptically prepared mash having a carbohydrate-content of about 7%, at a temperature of 36–37° C., with a bacterial culture of a type producing butyl alcohol and acetone, bringing the mash into vigorous fermentation, intermittently adding to the partly fermented mash, with maintenance of the fermentation temperature and of the fermentation, an also aseptically prepared further mash, having a carbohydrate concentration of about 14%, in quantities which are at first only small, amounting to 1/8 to 1/5 of the starting mash of about 7% carbohydrate concentration, and thereafter at 3 to 6 hour intervals in larger quantities, amounting to 1/3 to 1/2 of the starting mash of about 7% carbohydrate concentration, the additions being continued until the total amount of mash by volume attains to about double the amount of the starting mash by volume, whereupon the fermentation is continued until at the most 1% of unfermented carbohydrates will be left in the mash, then the "solvents" are separated by distillation, and the liquor remaining after distillation is employed instead of water for the production of further mash.

2,001,931
AUTOMATIC CLUTCH
Kenneth E. Lyman, Rockford, Ill.
Application November 25, 1932, Serial No. 644,228
3 Claims. (Cl. 192—52)

1. In an automatic clutch, a driving shaft having a fly wheel, a friction device for engaging

said fly wheel, a casing attached to said fly wheel, a friction plate engaging said friction device, said plate having a socket, a lever pivoted to said casing and extending into said socket, a driven mem-



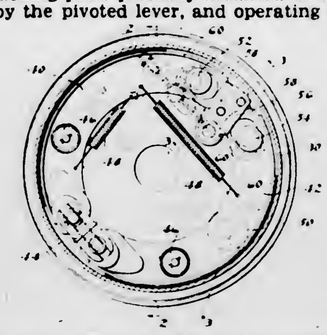
ber, a sleeve slidable upon said driven member, an annular yielding member between the free end of said lever and sleeve, and means operable upon rotation of said driving shaft for shifting said sleeve.

2,001,932
ROLL ROOFING FASTENER
Hamilton Maze, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a corporation of Illinois
Application May 20, 1933, Serial No. 671,957
11 Claims. (Cl. 108—33)

1. A nail of the character described, comprising a completely threaded pointed shank, a comparatively large thin flat head integral therewith, said point being of angular cross-section conforming to the number of threads, the sides and corners thereof forming a continuation of said threads, said head being sufficiently thin to conform to the surface of a roof when the shank is driven angularly therein by the normal blow of a hammer, the threads being of sufficiently high pitch to cause the nail to rotate in accordance therewith when the nail is driven through roll roofing and into wood sheathing, and a coating of galvanized metal over the entire nail.

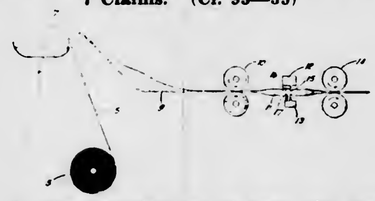
2,001,933
BRAKE
George K. McCann, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application September 17, 1930, Serial No. 482,430
12 Claims. (Cl. 188—78)

1. A brake comprising a backing plate having an opening therethrough and a bracket adjacent the opening, a lever swinging in a plane crosswise of the plane of the backing platen and passing through the opening and pivoted on the bracket to rotate about an axis substantially parallel to the plane of the backing plate and having portions inside and outside of the backing plate, a floating brake-applying lever inside the backing plate pivotally mounted on and carried by the pivoted lever, and operating connec-



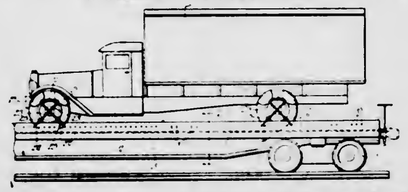
tions outside of the backing plate engaging the pivoted lever.

2,001,934
BAG AND METHOD OF MAKING SAME
John Mitchell Munson, Lakewood, Ohio, assignor to The Munson Bag Company, Cleveland, Ohio, a corporation of Ohio
Application September 6, 1932, Serial No. 631,845
7 Claims. (Cl. 93—35)



1. In the manufacture of bags, the method which consists in forming a continuous tube from stock material, severing the tube into a series of blanks in such manner as to define a projecting tab at one end of the blank and a cut-out portion defining the tab at the opposite end of the blank, and then forming a bottom fold at the end of the blank having the cut-out portion.

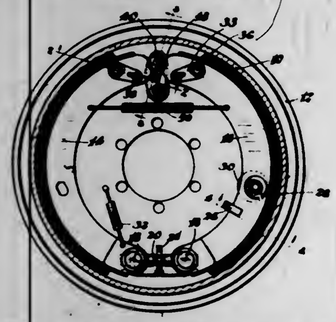
2,001,935
TRANSPORTATION MEANS
Harold A. Otis, Glen Ellyn, Ill., assignor to Chicago North Shore & Milwaukee Railroad Company, Chicago, Ill., a corporation of Illinois
Original application June 10, 1931, Serial No. 543,258. Divided and this application December 11, 1931, Serial No. 580,237
5 Claims. (Cl. 105—159)



1. In combination, a track vehicle, a wheeled road vehicle on the track vehicle, a saddle structure engaging over the upper portion of a wheel of the road vehicle and extending forward and rearward of the axis of said wheel, and securing means comprising two tension members disposed substantially radially of said wheel and connect-

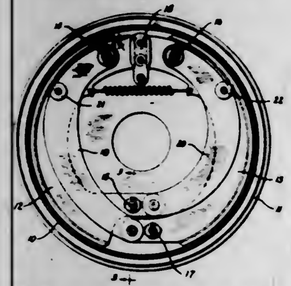
ing the rearward and forward portions, respectively, of the saddle structure to the track vehicle at points disposed within the width of the wheel, said members being independently secured at their lower ends to said track vehicle, one of said members extending downward and rearward from the forward portion of said saddle structure and the other of said members extending downward and forward from the rearward portion of said saddle structure.

2,001,936
BRAKE
Humphrey F. Parker, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application July 26, 1929, Serial No. 381,195
1 Claim. (Cl. 188—78)



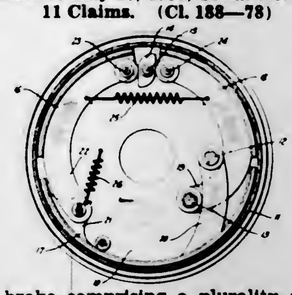
A brake applying device including a thrust member having an arm on which it is pivoted, said arm having a stop holding the thrust member from turning.

2,001,937
BRAKE
Humphrey F. Parker, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 17, 1930, Serial No. 453,380
12 Claims. (Cl. 188—78)



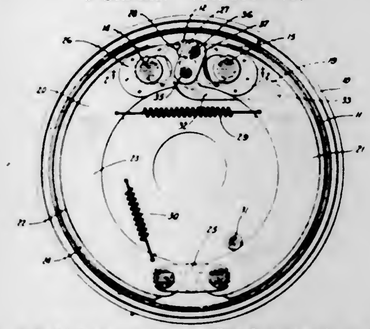
1. A brake comprising a fixed support, a plurality of friction elements positioned for movement thereon, a drum associated with the friction elements, means for actuating the friction elements for co-operation with the drum, means connecting the toe of one friction element to the heel of the other friction element and means carried by the connecting means engaging the friction elements at a distance removed from the toes thereof to force the friction elements in engagement with the drum.

2,001,938
BRAKE
Humphrey F. Parker, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 17, 1930, Serial No. 453,385
11 Claims. (Cl. 188—78)



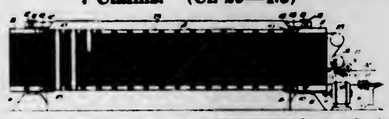
1. A brake comprising a plurality of friction elements each having its own anchor and at least one of the elements having a radially-yieldable extended flexible heel projecting past the anchor of the adjacent element.

2,001,939
BRAKE
Humphrey F. Parker, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 17, 1930, Serial No. 453,390
9 Claims. (Cl. 188—78)



1. A brake comprising a fixed support, a plurality of friction elements positioned for movement on the support, an operating shaft positioned for rotation on the support, an operating member extending substantially at right angles to a radius of the brake passing through the operating shaft and supported on the separable ends of the friction members and means floatingly connecting the operating member with the operating shaft lying between the support and operating member.

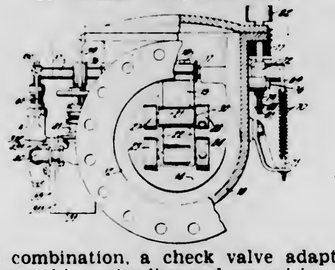
2,001,940
MACHINE FOR MAKING METAL WOOL
Levander Peterson, Chicago, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a corporation of Illinois
Application January 7, 1929, Serial No. 330,892
7 Claims. (Cl. 29—4.5)



2. A machine for making metal wool from wire, comprising a block having grooves therein,

means for drawing a number of strands of wire across the block in the grooves, means in opposition to the block for cutting shavings from the strands, and a plate detachably secured to the block flush with the bottoms of the grooves for backing the wire at the point of engagement of said cutting means.

2,001,941
CHECK VALVE OPERATING DEVICE
Ellis L. Rowe, Round Lake, and Stanley Taylor, Cohoes, N. Y., assignors to Rensselaer Valve Company, Cohoes, N. Y., a corporation of New York
Application September 14, 1934, Serial No. 743,954
15 Claims. (Cl. 137—139)



1. In combination, a check valve adapted to be interposed in a pipe line and comprising a pivotally mounted gate movable from closed to open position, power operated means operable after an initial movement of said gate from closed position for completing the movement thereof to open position, said power operated means being operatively disconnected from said gate when the latter is in open position.

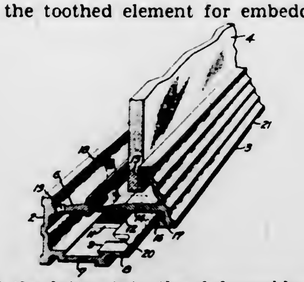
2,001,942
SEPARABLE FASTENER
George G. Sabins, Glendale, Calif., assignor to Samuels-Kleiner, Ltd., Los Angeles, Calif., a corporation of California
Application March 30, 1934, Serial No. 718,151
9 Claims. (Cl. 24—226)



1. A separable fastener, comprising; one part having an eye and another part having a hook adapted to be extended through the eye for securing the parts to each other; and attaching devices for the respective hook and eye parts for securing them to the respective ends of a strap, each of said devices comprising a body having fingers with portions spaced therefrom to receive a strap end between the fingers and the body and bendable to clamp the strap, each of said fingers having on its free end a tongue adapted to bite into the strap.

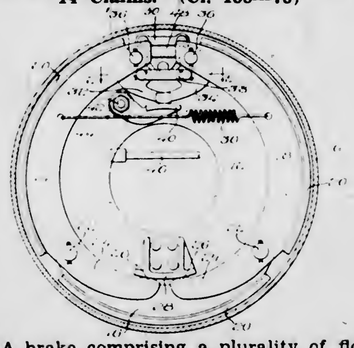
2,001,943
GLASS HOLDING CONSTRUCTION
Reginald C. Steeple, San Mateo, Calif.
Application July 12, 1933, Serial No. 680,062
10 Claims. (Cl. 20—56.4)

1. A glass holding construction comprising a pair of glass engaging bars, a toothed element on one of the bars, a deformable element on the other bar, and pressure means mounted on the bar carrying the deformable elements and bearing against the toothed element for embedding the



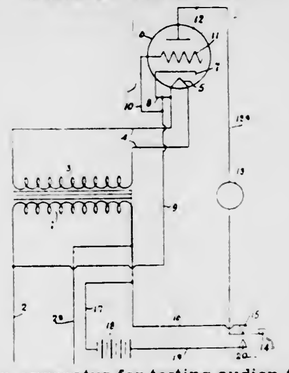
teeth of the latter into the deformable element for locking said bars together.

2,001,944
BRAKE
Cecil H. Taylor, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 3, 1928, Serial No. 274,698
14 Claims. (Cl. 188—78)



1? A brake comprising a plurality of floating shoes, in combination with a single abutment slidably engaged by two of the shoes and on which said two shoes pivotally fulcrum to apply another shoe.

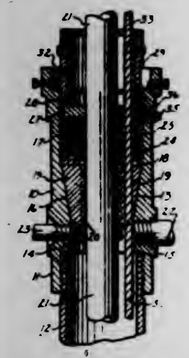
2,001,945
AUDION TUBE TESTER
Ray L. Triplett, Bluffton, Ohio
Original application January 11, 1932, Serial No. 585,937. Divided and this application March 13, 1933, Serial No. 660,559
8 Claims. (Cl. 250—27)



1. In an apparatus for testing audion tubes, an audion tube, a circuit supplied with current, a

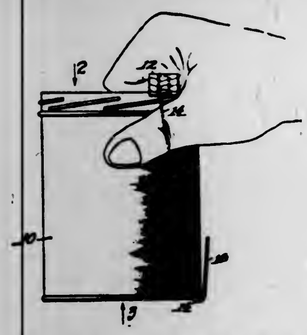
transformer associated therewith having its primary therein, a plate circuit connected into one side of said circuit containing the primary of the transformer, a switch in the plate circuit, an additional source of potential, means for connecting it into said plate circuit by said switch, and a measuring instrument in said plate circuit whereby the differences in applied potential to the plate may be indicated on the measuring instrument to show the condition of the tube.

2,001,946
TUBING HEAD
Sheridan P. Tschappat, Tulsa, Okla.
Application December 17, 1934, Serial No. 757,908
11 Claims. (Cl. 166—14)



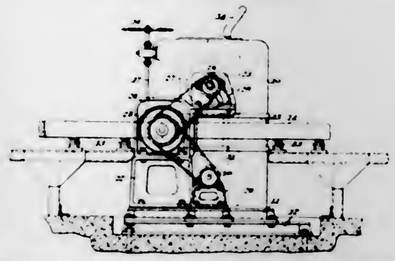
1. A well tubing head comprising, a housing, means for hanging a tubing in said housing, packing in said housing for sealing off the housing and the tubing, the hanging means and packing having provision for the extension of a cable or the like therethrough, and means to seal off the housing and the tubing as well as to seal around the cable.

2,001,947
ATTACHMENT FOR CONTAINERS
George F. Upham, Bronxville, N. Y.
Application August 4, 1934, Serial No. 738,482
7 Claims. (Cl. 220—94)



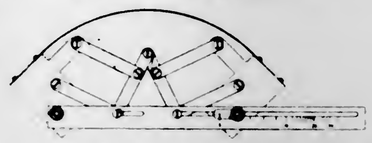
1. As an article of manufacture, a container having an open top and a perforation in the bottom and a handle extending across the top and provided with a single central means extending through said perforation for holding the handle in place on the top of the container.

2,001,948
METAL TREATING APPARATUS
Raymond J. Wean and Louis D. Peik, Warren, Ohio, assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application June 1, 1934, Serial No. 728,482
14 Claims. (Cl. 51—9)



1. Metal cleaning apparatus comprising a housing adapted to be traversed by the metal to be cleaned, abrasive throwing wheels disposed on opposite sides of the path of the metal through said housing, at least one of said wheels being supported in vertically adjustable bearings, and supports for said bearings having a plurality of bolt holes opposite which the bearings may be selectively positioned and secured.

2,001,949
ADJUSTABLE CURVE RULER
William S. Weston, Douglaston, N. Y.
Application May 12, 1934, Serial No. 725,285
2 Claims. (Cl. 33—177)

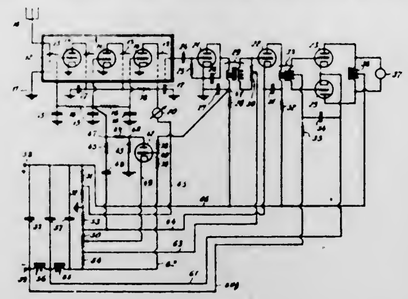


1. An adjustable curve ruler for drawing arcs of circles comprising a flexible arc member of constant length, end members rigidly attached to the ends of the arc member, a set of six bars pivotally connected together and to the end members, each end member together with three of said bars forming through the pivotal connections a parallelogram, and means in combination with said parallelograms for controlling the relative angular movements at said pivotal connections whereby the said end members are held at the correct angle and the correct distance apart with the flexible arc member curved to an arc of a circle.

2,001,950
AUTOMATIC VOLUME CONTROL
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation
Application August 14, 1931, Serial No. 556,979
19 Claims. (Cl. 250—20)

1. A fluctuation compensating network comprising a source of direct voltage having undesired fluctuations, two resistances R1 and R2 connected respectively in series from positive to negative terminals of said source, a capacity C1 in parallel with resistance R1, a point connected through a capacity C2 to the junction of said resistors and through a capacity C3 in series with a resistance R3 to said negative terminal, and a

vacuum tube having an amplifying factor Mu, a plate connected to said positive terminal, a grid connected to said point, and a cathode connected to said junction, said elements being related sub-



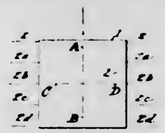
stantially in accordance with the following equations:

$$R1(C2+C3)=MuR2C3$$
$$R1C1(C2+C3)=(R2+R3)C2C3$$

2,001,951
PHOTOGRAPHIC PRINTING EMULSION AND ITS PRODUCTION
William Ambler Berry, Knutsford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application March 15, 1934, Serial No. 715,779. In Great Britain March 22, 1933
8 Claims. (Cl. 95—6)

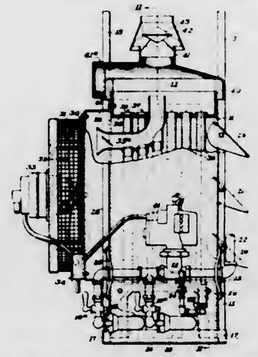
1. A self-toning photographic development emulsion comprising mainly silver chloride but no soluble silver salt as the light sensitive ingredient and a gold salt and a lead salt as self-toning ingredients.

2,001,952
LENSES AND THEIR COMBINATION AND ARRANGEMENT IN VARIOUS INSTRUMENTS AND APPARATUS
Henry James Birchall, Shirley, England
Application January 27, 1934, Serial No. 708,582
In Great Britain December 14, 1932
2 Claims. (Cl. 88—54)



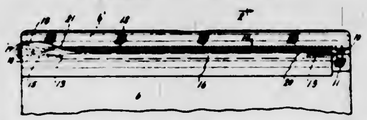
1. A pair of lenses each having a surface which in one of two directions at right-angles, varies in progressive curvature to the extent of a number of diopters of difference between two points along said surface, and also which in the other direction constantly curves in progressive radii extending along the first direction between said two points combined for co-operation and adjustment in an instrument with their plane surfaces adjacent and their principal medial lines parallel and coincident, but also with the greater curvature end of one lens adjacent the lesser curvature end of the other lens, such pair of lens being collectively adjustable in a direction parallel to their principal medial lines.

2,001,953
HEATING APPARATUS
Norman L. Blackmore, Wilkinsburg, Pa., assignor to Automatic Gas-Steam Radiator Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1930, Serial No. 499,725
1 Claim. (Cl. 126—110)



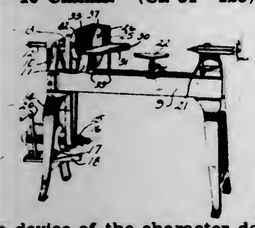
A unit heater of the character described, comprising a combustion chamber, fuel burning means therein, an exhaust chamber spaced from the said combustion chamber, a plurality of heat transfer tubes communicating with and extending between said combustion chamber and said exhaust chamber, means for circulating fluid over the outer surfaces of said tubes and a conduit communicating with said exhaust chamber for causing a portion of said circulating fluid to supplement the natural draft from the combustion chamber to the exhaust chamber, said conduit communicating with at least one of said heat transfer tubes outside of said exhaust chamber.

2,001,954
FLEXIBLE RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application July 23, 1934, Serial No. 736,447
6 Claims. (Cl. 150—38)



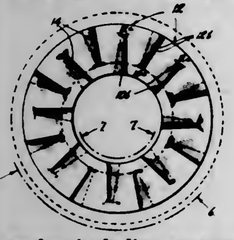
1. A flexible receptacle for articles of a thin sheet-like nature, comprising, walls forming between them a compartment for said articles and joined together except along certain adjacent edges, the space between such edges affording an entrance slot for said compartment, rows of fastener fingers one along each side edge of said slot, a slidable member cooperating with said fingers and movable along the slot to cause said rows of fingers to engage or disengage, and a pusher strip of relatively stiff and resilient flexible material secured to the inner face of one of said walls and extending along one edge of said slot substantially from end to end thereof and extending part way across said slot and in position to be engaged by said slide and moved away from the adjacent row of fastener elements, whereby said strip will be progressively flexed by and in advance of the slide as it is moved to close said slot and whereby such movement of the strip will push any articles which project into the path of the slide back into said compartment.

2,001,955
COMBINATION SANDER AND JOINTER
Ole Evinrude, Milwaukee, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan.
Original application February 27, 1933, Serial No. 658,762. Divided and this application July 13, 1934, Serial No. 734,919
10 Claims. (Cl. 51—128)



10. In a device of the character described, the combination with a substantially horizontal shaft and a disk mounted thereon for rotation in a vertical plane, said disk having an abrasive face, of a work supporting table disposed adjacent the face of the disk, and a fence recessed to receive the disk and having surfaces limiting the engagement with said disk of work on said table, said fence being mounted for bodily removal from the path of such work.

2,001,956
LOCK WASHER AND METHOD OF MAKING SAME
Frank W. England, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application November 24, 1933, Serial No. 699,534
11 Claims. (Cl. 10—86)

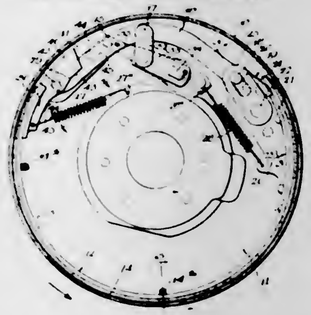


1. A lock washer including an annular body of flat spring stock provided with a plurality of inner and outer marginal prongs, each prong having a marginal section overlapping the marginal section of an adjacent prong, whereby to present a plurality of inner and outer overlapping prong sections having work engaging edges positioned on opposite sides of a median plane of the washer, each prong being substantially uniform in thickness.

2,001,957
PUMP
Walter Ferris, John P. Ferris, George H. Fobian, and Kiek K. Benedek, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 13, 1929, Serial No. 346,704
7 Claims. (Cl. 103—161)

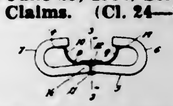
5. In a hydraulic pump or motor the combination of a pintle, liquid impelling means rotatable on said pintle and imposing a lateral thrust thereon, liquid conducting passages in said pintle, ports in said pintle for effecting communication between said passages and said impelling means, a pair of tapered grooves encircling said pintle at opposite sides of said ports and communicating with one of said passages, and a second pair of reversely tapered grooves encircling said pintle at opposite sides of said ports and communicating with the other of said passages.

2,001,958
BRAKE
Earl G. Gunn, Racine, Wis., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 14, 1929, Serial No. 370,802
14 Claims. (Cl. 188—78)



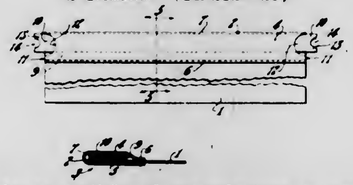
1. In a brake, a drum, an internal expanding brake member, applying means for said brake member, a fixed support disposed within the span of said brake member, and a swinging link extending from said support to the adjacent end of said brake member, and arranged substantially perpendicular to the drum radius extending through one end of the link, whereby the braking torque is transmitted to the anchor through said link without any substantial component of force tending to swing said link angularly.

2,001,959
HOOK
George W. Hall, Moodus, and Chauncey C. Barton, Wethersfield, Conn.
Application June 29, 1934, Serial No. 733,002
7 Claims. (Cl. 24—236)



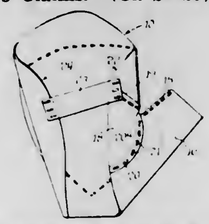
2. In combination with a hook of the character described comprising a shank portion; a longitudinally extending retaining member comprising a spring secured on said shank portion and having its end extending substantially perpendicularly towards and near the end of said hook, the free end of said spring being formed to provide a transverse flared passage between the same and the end of said hook whereby, upon movement of a member thru said passage, contact between said member and said free end will cause movement of said spring in a direction away from the end of said hook and towards said shank portion.

2,001,960
TRANSFER SHEET
Edward Hano, Holyoke, Mass.
Application November 14, 1934, Serial No. 752,930
2 Claims. (Cl. 282—29)



1. As an article of manufacture, a transfer sheet, a binding and reinforcing member of relatively thicker material than said transfer sheet loosely folded over an end of said sheet and having its edges secured together and to said transfer sheet to form a smooth rounded outer edge and an open-ended pocket between said sheet and one side of said binding and reinforcing member, a side of said binding and reinforcing member being provided with cut-outs at each end thereof, for the purpose described.

2,001,961
HAND PROTECTOR
Karl E. Jensen, Danville, Ill., assignor to Ervin F. Kemp, Washington, D. C.
Application May 26, 1934, Serial No. 727,659
5 Claims. (Cl. 2—20)



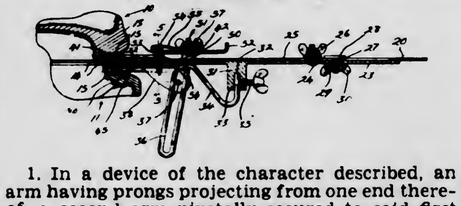
1. A hand protector comprising, in combination, a sheet of protecting material fashioned to provide a blank having a cut extending inwardly from one edge to separate the blank into hand and thumb sections, said thumb section being bent upon itself intermediate said cut and an edge of the blank paralleling said cut to bring said edge and the thumb section edge of the cut into registration, means for securing the registering edges together to form a thumb stall, a strap secured adjacent to the corner of the hand section formed by said cut and to an opposite edge portion of the hand section to provide folds adapted to extend around the wearer's index and little fingers, and an auxiliary piece secured to the cut edge of the hand section and to the marginal edge of the thumb section beyond said registering edges to close the gap therebetween, said piece having a tongue extending across the crotch between the thumb stall and said fold and secured near the palm side.

2,001,962
ORNAMENTAL MATERIAL AND METHOD OF MAKING THE SAME
Joseph W. Kantrow, Long Island City, N. Y.
Application June 30, 1934, Serial No. 733,339
7 Claims. (Cl. 41—34)



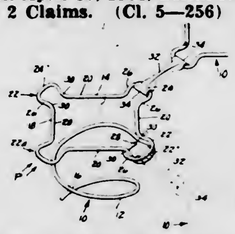
4. An ornamental fabric for use in the manufacture of shoes, handbags and the like, said fabric comprising a backing layer and a covering layer comprising a plurality of ornamental leather sections superposed on said backing layer with their edges in abutting relation, said sections being relatively small with respect to the area of the fabric and lines of flat overedge stitching passing across adjacent edge portions of said ornamental sections.

2,001,963
TRUE BITE ATTACHMENT
George J. Keller, Detroit, Mich.
Application October 10, 1932, Serial No. 637,154
3 Claims. (Cl. 32—19)



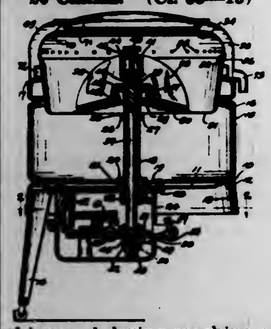
1. In a device of the character described, an arm having prongs projecting from one end thereof, a second arm pivotally secured to said first mentioned arm, a plate pivotally carried by said second arm for movement into parallelism with said first mentioned arm irrespective of the angular movement of said second mentioned arm with reference to said first mentioned arm, and prongs carried by said plate and projecting beyond the end thereof.

2,001,964
FURNITURE SPRING
Louis Kimbrig, Brooklyn, N. Y.
Application April 30, 1934, Serial No. 723,122
2 Claims. (Cl. 5—256)



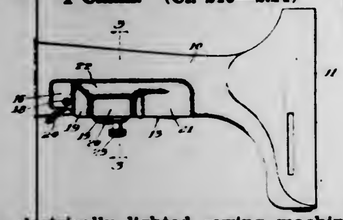
1. In a device of the character described, a closed outermost or end convolution comprising a length of wire in which is formed a number of U-bends, the endmost of which is disposed coincidentally on top of and in overlying relation to the first U-bend, and means integral with said endmost bend extending underneath the first U-bend for securing said endmost bend to the first thereof in the above-described relation.

2,001,965
LAUNDRY MACHINE
James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application September 8, 1930, Serial No. 480,424
20 Claims. (Cl. 68—15)



1. A washing and drying machine comprising: a rotatable container and an agitator therein, means operable at different times to rotate and oscillate said agitator, said means operating through the bottom of said container, the top of said container being open and free from obstructions, and means for driving said container through connection with said agitator when the latter is rotated.

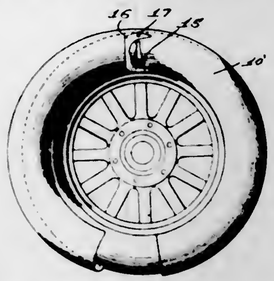
2,001,966
ELECTRICALLY LIGHTED SEWING MACHINE HEAD
Raymond F. List, Belvidere, Ill., assignor to National Sewing Machine Company, Belvidere, Ill., a corporation of Illinois
Application March 22, 1934, Serial No. 716,797
1 Claim. (Cl. 240—2.14)



An electrically lighted sewing machine head comprising an overhanging arm disposed horizontally between the conventional sewing head standard and the housing for needle operating mechanism, an elongated relatively shallow open bottom hood cast integrally with the arm wall, the longitudinal medium axis of the hood being substantially parallel with and closely adjacent the vertical plane of the outermost side surface of the arm, the bottom edges of the hood being in substantially the same horizontal plane as the lower surface of the arm, and an electric light socket and lamp bulb mounted between the side walls of the hood.

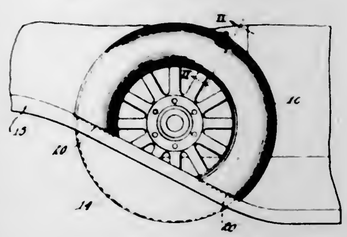
2,001,967
UNITARY TIRE COVER
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware
Application June 8, 1931, Serial No. 542,791
4 Claims. (Cl. 150—54)

1. A tire cover comprising a split ring including tire tread and side covering portions and in which a section thereof is pivotally movable with reference to the remainder of the cover to permit said cover to be applied to the tire, said pivotal movement being provided by so forming a part of the side covering portion of said ring between its ends as to increase the flexibility of the cover at said intermediate portion, said split ring being formed to extend about substantially more than one-



half of the outer periphery of the tire and said section comprising substantially one-half of the ring, the tread covering portion of the split ring being circumferentially continuous and extending laterally over the tread, the ends of the ring pivoting about an intermediate section of the tread covering portion by reason of the formation of said side portion.

2,001,968
SHOVE DOWN MOLDED TIRE COVER
George Albert Lyon, Allenhurst, N. J., assignor to Lyon, Incorporated, Asbury Park, N. J., a corporation of Delaware
Application December 2, 1931, Serial No. 578,424
3 Claims. (Cl. 150—54)



1. In combination with an automobile fenderwell carrying a spare tire, a cover for the tire comprising a member made of non-metallic flexible form retaining material such as rubber and being of an arcuate form corresponding with that of a tire, and of a circumferential extent in excess of 180° and substantially less than 360°, said member comprising a side portion and a rim portion for covering portions of a side wall and the tread of the tire, the free margin of the rim portion extending radially inward of the tire tread and being flexible whereby the same may be flexed outwardly to clear the tread and permit ready application and removal of the cover with a substantially transverse movement of the cover in each case, the ends of said member terminating at the mouth of the well, the rim portion being flexible and having a normal diameter which is less than the diameter of the tire at its tread, whereby said member holds itself on the tire when in proper tire protecting position.

2,001,969
ONE PIECE ARCUATE TIRE COVER
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware
Application January 2, 1932, Serial No. 584,557
11 Claims. (Cl. 150—54)



1. In combination with an automobile fender well carrying a spare tire, a cover for the tire comprising a single piece of sheet metal of arcuate form corresponding with that of a tire, and of a circumferential extent in excess of 180° and substantially less than 360°, said piece comprising a side portion and a rim portion for covering portions of a side wall and the tread of the tire, the free margin of the rim portion extending radially inward of the tire tread and being resilient whereby the same may be flexed outwardly to clear the tread and permit ready application and removal of the cover with a substantially transverse movement of the cover in each case, the ends of said piece terminating at the mouth of the well, the rim portion being resilient and having a normal diameter which is less than the diameter of the tire at its tread, whereby said piece holds itself firmly on the tire when in proper tire protecting position.

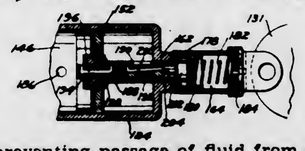
2,001,970
SOUND-ABSORBING UNIT AND METHOD OF MAKING THE SAME
Jacob Mazer, Stonehurst, Upper Darby Township, Delaware County, Pa.
Application October 25, 1930, Serial No. 491,151
6 Claims. (Cl. 154—28)



2. The method of forming sound-absorbing units which comprises making numerous slits in a block of material perpendicular to the plane thereof to form strands, and fluffing the outer ends of the strands thus formed to produce an exposed surface that has the appearance of being unperforated.

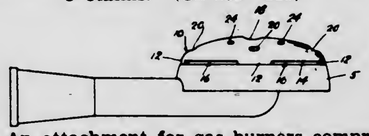
2,001,971
BRAKE
Montgomery W. McConkey, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 27, 1932, Serial No. 607,879
4 Claims. (Cl. 188—152)

2. In a fluid braking system; a cylinder; a piston in said cylinder, a tube secured to said piston and connected at times with the interior of said cylinder, a relief chamber associated with the outer end of said tube, and means for at



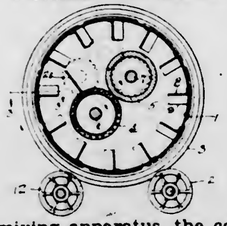
times preventing passage of fluid from said cylinder through said tube into said relief chamber.

2,001,972
GAS BURNER ATTACHMENT
Frank H. McFall, Alliance, Ohio, assignor of one-half to Alvah L. Baker, Alliance, Ohio
Application May 12, 1934, Serial No. 725,363
3 Claims. (Cl. 158—113)



1. An attachment for gas burners comprising a substantially inverted saucer shaped member having legs depending from its periphery and having orifices therein, and baffles depending from its under surface, each baffle having parts connected to a leg to form an enclosure, one of certain of said orifices being within each enclosure.

2,001,973
APPARATUS FOR BLENDING SAND AND LIKE MATERIALS
Herbert L. McKinnon and Mahlon E. First, Cleveland, Ohio, assignors to C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application December 5, 1931, Serial No. 579,250
8 Claims. (Cl. 259—84)

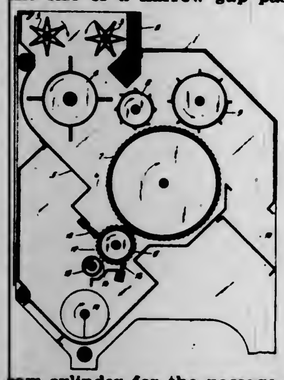


1. In a mixing apparatus, the combination of means having parallel axes and coacting continuous blending surfaces traveling at different speeds, one of said means bearing by gravity against the other.

2,001,974
COTTON CLEANING AND RECLAIMING MACHINE
John E. Mitchell, Dallas, Tex.
Application May 19, 1933, Serial No. 671,798
10 Claims. (Cl. 19—37)

1. In a machine of the class described, in combination with a main saw cylinder, a reclaiming saw cylinder positioned to receive hulls and cotton escaping past the main saw cylinder, a smooth roller of less diameter than the reclaiming saw cylinder and rotating, as to its upper portion, in a direction away from said reclaiming saw cylinder, whereby it is adapted to engage foreign

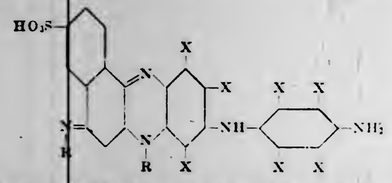
matter and carry it away from the gap between said roller and the reclaiming saw, said roller defining the size of a narrow gap past the re-



claiming saw cylinder for the passage of cotton engaged by the teeth of the reclaiming saws, and means for doffing cotton from said reclaiming saw cylinder.

2,001,975
DYESTUFFS OF THE NAPHTHOPHENAZINE SERIES
Theodor Nocken, deceased, late of Leverkusen-I. G.-Werk, Germany, by Elisabeth Nocken, Frankfort-on-the-Main, Germany, administratrix, and Wilhelm Neelmeier, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 23, 1933, Serial No. 653,176. In Germany February 3, 1932
5 Claims. (Cl. 260—29)

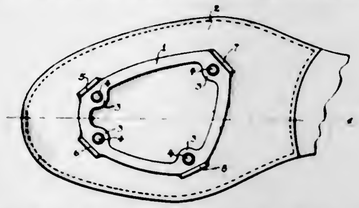
1. The naphthophenazine dyestuffs of the general formula



wherein one X stands for a sulphonic acid group and the other X's represent hydrogen atoms which may partially be replaced by alkyl groups, R standing for a radical of the benzene series, being in form of their alkali metal salts generally dark powders with a bronze lustre, soluble in water with a blue coloration, soluble in sulfuric acid with a green tint, dyeing wool from an acid bath generally intense greenish-blue shades.

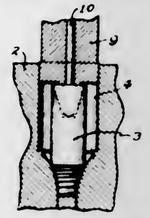
2,001,976
BASEBALL SHOE CLEAT
John T. Riddell, Evanston, Ill.
Application March 5, 1932, Serial No. 596,947
1 Claim. (Cl. 36—59)

A baseball cleat comprising a unitary ring-like body part having four spaced flat prongs integral thereon and extending at right angles therefrom, two of such prongs being disposed along the margin of the forward end of said body part in opposed angular relationship, one on each side of the center line of said body part, the plane of each of said prongs respectively extending backwardly and outwardly relative to the said center line, and two of such prongs being disposed one on each



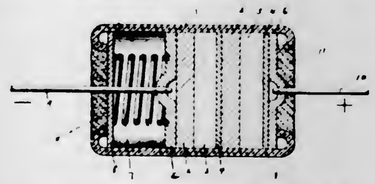
side of said center line along the margin of the rearward end of said body part with their planes converging rearwardly.

2,001,977
METHOD OF MAKING SHOE CLEATS OR SIMILAR ARTICLES
John T. Riddell, Chicago, Ill.
Application October 9, 1933, Serial No. 692,795
2 Claims. (Cl. 18—59)



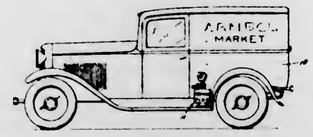
1. The method of making shoe cleats or similar articles, which consists in providing an axially tapered mold, forming a cylindrical roll of fabric impregnated with a resinous phenolic derivative and of substantially uniform diameter and of length greater than that of the mold and of quantity sufficient to fill the mold, seating the roll axially within the mold, pressing a metallic core axially into the roll and thereby projecting its central portion along the mold, applying heat and endwise pressure to the roll and core to force the core within the mold and to crush the roll and flow the phenolic material so as to completely fill the mold, and then allowing the phenolic material to set.

2,001,978
VOLTAIC COUPLE
Samuel Ruben, New Rochelle, N. Y.
Application August 31, 1933, Serial No. 687,632
6 Claims. (Cl. 136—83)



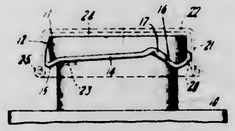
2. A voltaic couple comprising two electrodes in direct contact with each other, under pressure, one of said electrodes being formed from one of the electropositive metal elements and the other electrode being formed from dry, solid, chromium trioxide.

2,001,979
ADVERTISING DEVICE
John Francis Scanlon, Edgewood, R. I.
Application April 6, 1933, Serial No. 664,697
1 Claim. (Cl. 40—126)



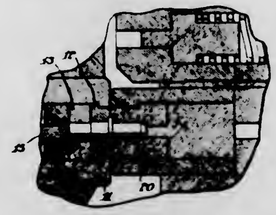
In combination, a vehicle having a body containing ownership indicia, and an advertising device mounted on said vehicle in spaced relation to the body and in visual juxtaposition to said ownership indicia, said advertising device illustrating a telephone and carrying a telephone indicia which corresponds to the ownership indicia.

2,001,980
CLOSURE
Isaac E. Sexton, Winchester, Mass.
Application October 7, 1931, Serial No. 567,391
3 Claims. (Cl. 220—40)



2. A metal container having a cylindrical wall with a depending skirt on the outside thereof designed to receive a skirted cap thereon with inwardly projecting lugs, said skirt having its entire lower edge curled, portions of said curled edge being shaped to form cam surfaces to be engaged by said lugs, other portions of said curled edge being flattened inwardly toward said wall.

2,001,981
METHOD OF COLD HEADING
Arthur T. Siviter, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 22, 1931, Serial No. 510,411
10 Claims. (Cl. 10—27)



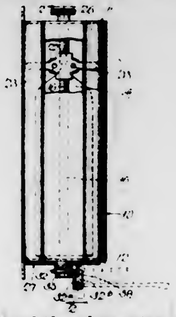
1. The method of cold heading a metal blank in successive steps which comprises upsetting plural portions of said blank within a female die in such a manner that said upset portions flare away from the mouth of the respective parts of said die and become jambed therein, and performing successive cold heading operations by the coaction of successive punches with said female die and extruding said upset blank outwardly of said die through the mouth thereof.

2,001,982
COMB ATTACHMENT FOR CARPET SWEEPERS
Earle R. Smith, Alhambra, Calif., assignor, by mesne assignments, to Earl F. Callan
Application May 24, 1933, Serial No. 672,606
7 Claims. (Cl. 15—48)



1. A carpet sweeper having a brush rotatable in either direction; a pair of combs; means for mounting said combs at opposite sides of said brush so that each comb is movable to occupy either a stripping or a non-stripping position with relation to the brush, and when in stripping position to be moved to non-stripping position by the bristles of said brush when the latter is rotated in one of its two directions; and a connection between the combs for transmitting the motion of that comb being moved to non-stripping position by the brush, to the other comb so as to simultaneously move the latter to stripping position.

2,001,983
PASTE DISPENSING DEVICE
Sam Spiros, Chicago, Ill.
Application February 20, 1933, Serial No. 657,525
5 Claims. (Cl. 221—60)

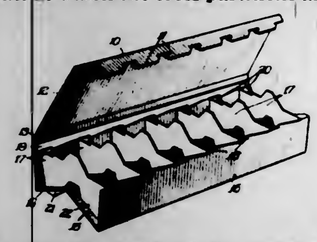


1. A dispenser of the character described, comprising a closed casing having a top and bottom wall and provided with an opening in the bottom wall, a cover having an arcuate slot opening therein to receive the neck end of a paste tube and mounted for swinging movement with respect to the bottom wall, a vertically extending threaded shaft journaled in the top and bottom walls, a yoke in threaded engagement with said threaded shaft, rollers, horizontally journaled in said yoke and geared to said threaded shaft, a cap member pivotally carried on the threaded shaft and closing the neck end of the paste tube, and means coacting with the cap member and said threaded shaft for causing a step by step downward movement of the yoke.

2,001,984
CARTON
Raymond Stone, New York, N. Y., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application May 6, 1933, Serial No. 669,652
8 Claims. (Cl. 229—29)

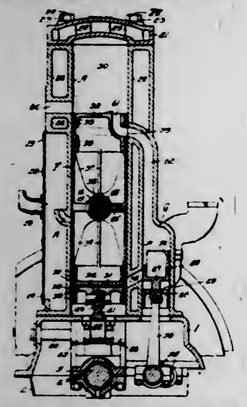
1. A cellular carton composed of a blank cut, scored and folded to form front and rear walls,

a cushion bottom of substantially V-shape, and cross partitions hinged to the front and rear walls, the height of one of the vertical walls below the point at which the cross partitions are hinged



thereto plus the width of the cross partitions being equal to the height of the other of said walls below the point at which said cross partitions are hinged thereto plus the width of said bottom section.

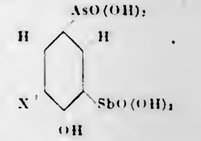
2,001,985
TWO STROKE CYCLE INTERNAL COMBUSTION ENGINE
George L. Strebler, St. Louis, Mo.
Application August 4, 1931, Serial No. 555,036
21 Claims. (Cl. 123—74)



4. In an intake manifold for internal combustion engines of the two cycle type, a cylinder, a double headed piston for reciprocatory movement in the cylinder and forming an initial fresh charge compression chamber at one end and a combustion chamber at the opposite end thereof, an inlet manifold member having a fresh charge passage, a piston valve for reciprocatory movement in the manifold passage, said valve having an annular groove providing a fresh charge passage communication from a source of fresh charge supply to an initial compression chamber, the upper end of said valve being tubular and having a cutaway wall portion to provide a compressed charge passage communication from the compression chamber to the intake manifold above the piston valve to be boosted by the piston valve into the combustion chamber of the engine wherein it is recompressed and then fired at the end of the upstroke of the piston of the engine and from which combustion chamber the burnt gases are discharged at the instroke of the piston approximately simultaneously with the boosting of an initially compressed fresh charge from the manifold.

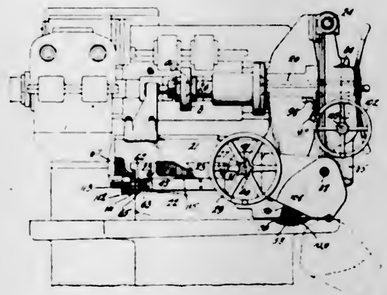
2,001,986
BISMUTHO-BENZENE-ARSONIC-STIBONIC ACID COMPOUNDS AND PROCESS OF MAKING THEM
Karl Streitwolf, Frankfort-on-the-Main, Alfred Fehrle, Bad Soden on Taunus, and Walter Herrmann, Paul Fritzsche, and Robert Schnitzer, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 6, 1931, Serial No. 514,065. In Germany February 15, 1930
16 Claims. (Cl. 260—14)

1. The process which comprises causing a solution of a benzene arsonic acid-stibonic acid of the general formula:



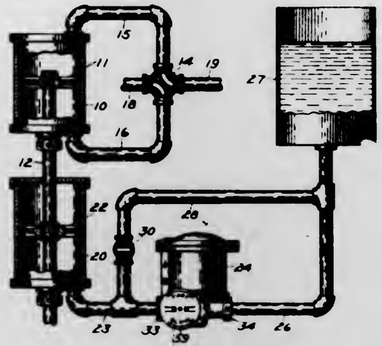
wherein X stands for H or $NHCOCH_3$, to act upon a solution of an inorganic bismuth salt in the presence of an alkali metal hydroxide.

2,001,987
FEED MECHANISM FOR METAL CUTTING MACHINES
William E. Sykes, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y., a corporation of Connecticut
Application July 22, 1932, Serial No. 623,989
27 Claims. (Cl. 90—9)



3. In a gear generating machine, a support for a gear blank, a rotary toothed cutter which cuts the blank by relative movement of the blank and cutter crosswise of the peripheral face of the blank, means for rotating the gear blank at the same peripheral speed as the cutter, and feed mechanism for producing relative feed movements between the gear blank and cutter, said mechanism comprising a single driven actuating device, a feed element which is engaged by said actuating device and moved thereby step by step to successive advance positions, means for effecting relative adjustments between said actuating device and feed element to automatically produce different total advance movements of the feed element and to divide the total movement into variable successive step component movements and mechanism which automatically separates the gear blank and the cutter and stops the machine after the completion of the advance movements of the feed element.

2,001,988
CONTROL MECHANISM
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Original application May 14, 1930, Serial No. 452,434. Divided and this application September 26, 1932, Serial No. 634,873
2 Claims. (Cl. 121—38)



1. The combination of a motor having a reciprocable element, means to apply fluid under pressure to the element to move the same in each direction, a cylinder, a piston slidable in the cylinder, means connecting the piston with the reciprocable element, the cylinder serving to confine a body of liquid which resists movement of the piston in one direction, a reservoir for liquid located at a higher elevation than said cylinder, a conduit connecting the cylinder with the reservoir, a valve in the conduit, means providing a restriction in the conduit to create a pressure differential which is a function of the rate of flow in the conduit, means responsive to changes in said pressure differential and arranged to actuate the valve and maintain said pressure differential substantially constant, a by-pass conduit around the valve, and a valve in the by-pass conduit.

2,001,989
APPARATUS AND METHOD OF TRANSPORTING LIVE FISHES
Friedrich Theuerkauf, Nowawes/Potsdam, Germany
Application February 25, 1932, Serial No. 595,211
In Germany February 26, 1931
2 Claims. (Cl. 119—5)



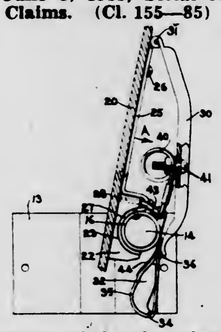
1. In devices for the transportation of live fishes in water and an enzym therein, an immersible vessel shaped to assume an inclined position and filled with watery hydrogenperoxid and a catalyzator, and a nozzle near one end of said vessel permitting the discharge of the watery hydrogenperoxid to form water and oxygen in small quantities to slowly charge the water therewith.

2,001,990
ATTACHMENT PLUG RECEPTACLE
William C. Tregoning, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 28, 1931, Serial No. 565,538
12 Claims. (Cl. 173—330)



1. The combination with a molded insulating body recessed from its lower face to provide contact chambers and having T-shaped slots penetrating the upper face of said body and communicating with said chambers, of a pair of one-piece sheet metal contact and wiring terminal members insertable within said chambers from the lower face of said body, with the terminal portions thereof exposed at opposite sides of said body, the contact portions of said members each comprising a single lug, said lugs having flared upper ends adapted to underlie the upper surface of said body, and separately formed resilient wire elements interposed between the interior walls of said body and the respective members to yieldably bias the contact lugs on the latter across the adjacent parallel head portions of said T-slots, whereby said single lugs are adapted for cooperation with plug caps having the jack blades thereof arranged in parallel or in tandem relation.

2,001,991
SELF-CLOSING DETACHABLE THEATER SEAT
Milford T. Vandervoort, Grand Rapids, Mich., assignor to Ernest A. Wedemeier, Grand Rapids, Mich.
Application June 5, 1933, Serial No. 674,321
5 Claims. (Cl. 155—85)



1. A construction of the class described, comprising, a standard having a journal extending therefrom, a seat, bearing means fastened to the underside of said seat, said bearing means having a recess therein, said recess receiving the said journal, an arm pivotally attached at one end to the said seat and extending downwardly at an angle thereto, a stop member located on the standard, the free end of the said arm abutting against the stop member when the seat is in substantially horizontal position to prevent downward movement of the said seat, spring means mounted upon the seat and tending to pull the free end of the arm toward the said journal, and cam means fixed to an element of said standards and engaging the free end of said arm for guiding the free end of the said arm whereby the seat is moved to substantially vertical position due to the action of the said spring means.

2,001,992

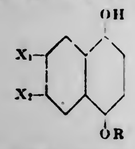
DYEING ANIMAL FIBERS

Heinrich Wagner, Hans Krzikalla, and Alfred Kirsch, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 19, 1933, Serial No. 681,216. In Germany July 26, 1932

10 Claims. (Cl. 8—5)

1. The process of dyeing animal fibers, which comprises treating the said fibers with a solution of a compound having the general structure



wherein R is an alkyl radicle, X_1 and X_2 are hydrogen atoms or members of a benzene ring, in the presence of an oxidizing agent.

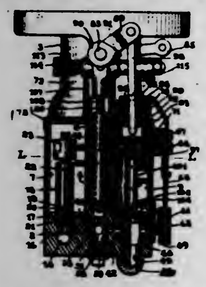
2,001,993

CARBURETOR

Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application April 6, 1929, Serial No. 352,968

31 Claims. (Cl. 261—34)



1. A carburetor of the character described, comprising a casing having a mixing chamber, an air inlet to said chamber, a mixture outlet from said chamber, a throttle controlling discharge from said outlet, a U-shaped conduit having one of the legs thereof operable to discharge fuel into said chamber, means to supply fuel to said one leg, the other leg of said conduit being open to the atmosphere, a normally open fuel jet, opening into said conduit, means to supply fuel to said jet, a valve controlling said jet, and means operable simultaneously with movement of said throttle to move said valve toward closed position to control the discharge of fuel into said chamber as said throttle is moved toward open position.

2,001,994

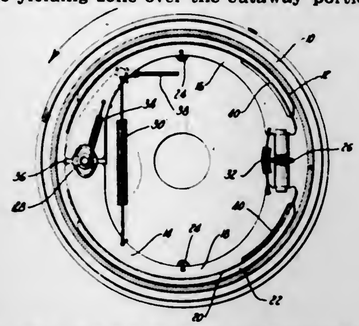
BRAKE

Franklin H. Wells, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Application July 23, 1931, Serial No. 552,694

4 Claims. (Cl. 188—78)

1. A brake shoe comprising a web having a portion cut away from its outer periphery adjacent one end of the shoe, and a rim assembled on the web and engaging said web throughout most of the length of the shoe and having a flexible yielding zone over the cutaway portion, said



rim being directly engaged and supported by the web on both sides of the yielding zone.

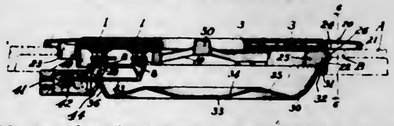
2,001,995

ELECTRIC RESISTANCE HEATING ELEMENT

Edwin L. Wiegand, Pittsburgh, Pa.

Application January 8, 1932, Serial No. 585,494

35 Claims. (Cl. 219—37)



10. An electrical device, comprising: an electric heating unit; supporting means, adapted to span a stove opening and be supported from the adjacent portion of the stove top, and to support said unit in alinement with said opening and of such size as to overlap said top a substantial distance, thereby to cooperate with openings of different sizes; and centering means, carried by said supporting means, engageable with the edge of said opening to hold said supporting means against lateral movement relative to said top, and adjustable, to hold said supporting means thus, in openings of different sizes.

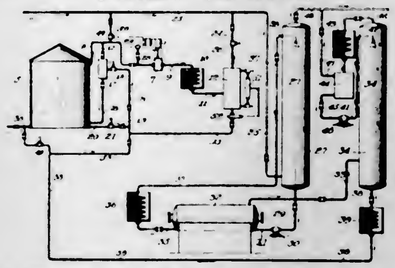
2,001,996

STORAGE OF VOLATILE HYDROCARBONS, PARTICULARLY BUTANES

Walter G. Whitman, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 23, 1931, Serial No. 576,712

9 Claims. (Cl. 196—8)



1. The method of storing a body of volatile, normally gaseous hydrocarbons at substantially atmospheric pressure which comprises maintaining in liquid form by refrigeration a body of such volatile hydrocarbons, withdrawing portions of said hydrocarbons which become volatilized during storage and compressing them, cooling and liquefying the compressed hydrocarbons, refrigerating the liquefied hydrocarbons to substantially the temperature prevailing in said body of hydrocarbons by evaporation of a portion thereof, withdrawing the evaporated portion, and thereafter returning the said refrigerated liquid to said liquid body.

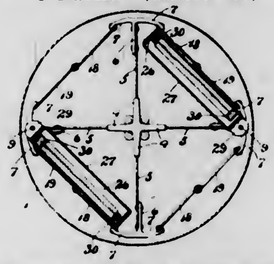
2,001,997

HONEY EXTRACTOR CONSTRUCTION

Albert G. Woodman, Grand Rapids, Mich.

Application April 3, 1933, Serial No. 664,090

5 Claims. (Cl. 210—65)



3. In a device of the class described, a holder comprising an upwardly extending U-shaped frame having a cover of foraminous material extending around the outer side of the arms of the U-shaped frame and leaving the top uncovered and terminating short of the bottom of the U-shaped member, said holder adapted to receive a frame of comb honey, the members of the frame of honey being free to extend outwardly at either end of the foraminous cover for the purpose described.

2,001,998

METHOD OF FORMING HIGH PRESSURE TANKS

Blasius Bart, East Orange, N. J.

Application February 2, 1931, Serial No. 512,990

2 Claims. (Cl. 204—6)



1. In the art of forming hollow metal articles lined with nickel by electrolytic deposition, the method which consists in assembling parts of a mold having smooth deposit receiving, exposed surfaces and with the parts in abutting relation forming joints, depositing a thin layer of copper on the mold, subjecting the mold thus prepared to the action of an electrolytic bath containing nickel, at a temperature not materially greater than 140° F. and not materially lower than 110° F. with a current density of approximately 25–30 amperes per square foot and until about twenty-five thousandths of an inch of nickel has been deposited to form the lining of the completed article as a one-piece layer of nickel on said copper coated smooth receiving surface of the mold, soldering any exposed joints between the parts of the mold to provide with the initial nickel layer a continuous, smooth, unbroken surface to receive the succeeding deposition and electrolytically depositing an additional layer of metal on the nickel lining and subjecting the mold with its thin layer of copper to the dissolving action of a reagent incapable of dissolving nickel or copper.

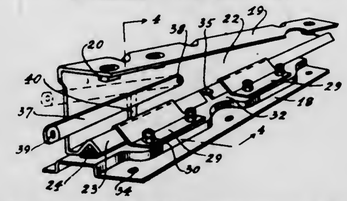
2,001,999

SEAT ADJUSTER

Stanley K. Bishop, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York

Application November 26, 1932, Serial No. 644,415

5 Claims. (Cl. 155—14)



1. An adjustable seat comprising a pair of spacedly mounted sole plate members each provided with an upturned face having a race slot sunk therein and which slots are respectively arranged in parallel relation, a rolling medium floatingly disposed in each such slot, complementary carrier members each provided with toe flange means that are respectively mounted to ride upon one of the aforesaid rolling media, a seat base mounted to bridge said carriers, a demountable keeper plate superimposed to slidably retain one of said toe flanges upon its underlying rolling medium and which plate is extended laterally into overlapping relation with its contiguous upturned sole plate face, and screw means mounted in an axially rectangular relation to the last named face serving to clamp the keeper plate in the direction of said face.

2,002,000

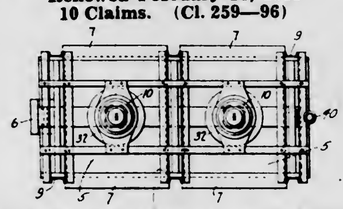
MIXING APPARATUS

Ernest A. Colburn, Jr., Congress, Ariz., assignor to Denver Patent Company, Denver, Colo.

Application March 26, 1927, Serial No. 178,624

Renewed February 11, 1935

10 Claims. (Cl. 259—96)



1. In flotation apparatus, a vessel adapted to be filled with liquid to a certain point, an agitating and suction element in the vessel below that point, a conduit for feeding material to the element, and having its mouth outside the vessel, the conduit being adjustable for placing its mouth inside the vessel for the removal of settled matter and means to admit air to the material.

2,002,001

CLOTHES HANGER

Earl C. Beard, Mishawaka, Ind., assignor of one-half to Anna M. Beard, Mishawaka, Ind.

Application March 14, 1934, Serial No. 715,398

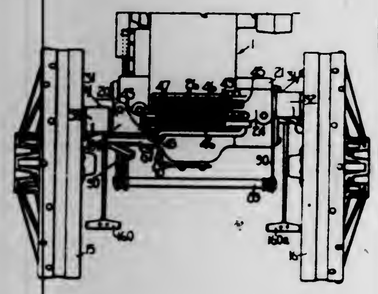
7 Claims. (Cl. 24—137)

1. A clothes hanger comprising, spaced flat metal spring portions, a rubber body covering said

spring portions, means connecting said spring portions exteriorly of said rubber body, and handles connected with said spring portions extending outwardly from said rubber body, said rubber body being slotted intermediate said spring portions to provide jaws to receive an article to be supported thereby.



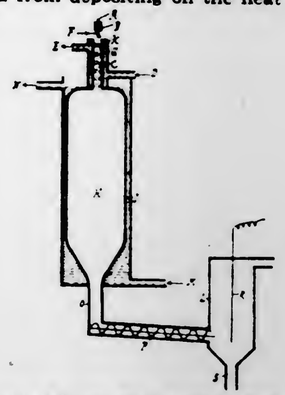
2,002,002
TRACTOR
Theophilus Brown and Linwood A. Murray, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 20, 1931, Serial No. 576,298
23 Claims. (Cl. 180—1)



1. In a tractor having a power lift including an oscillatory member, the combination of a laterally shiftable supporting wheel, reversible ratchet means for shifting said wheel in either direction at will, and means connecting said ratchet means and said oscillatory member for transmitting the movements of said member to said ratchet means to actuate the latter.

2,002,003
PRODUCTION OF ACETYLENE AND CARBON BLACK
Otto Eisenhut, Heidelberg, and Heinrich Schilling and Paul Baumann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application September 19, 1931, Serial No. 563,784
In Germany September 20, 1930
8 Claims. (Cl. 204—31)

1. In the conversion of a vaporized hydrocarbon into acetylene and carbon black by treatment in the electric arc the step which comprises passing the mixture of gas and carbon black issuing from the arc space in a whirling motion directly into a large cooled free space, whereby the carbon black is maintained in suspension in said gas and prevented from depositing on the heat conducting surfaces defining said cooled space and then separating the carbon black from the gas.

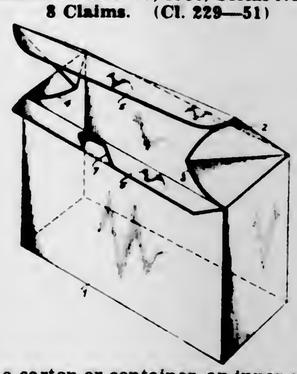


2,002,004
PROCESS FOR TREATING OIL
Earle W. Gard, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 7, 1933, Serial No. 684,123
18 Claims. (Cl. 196—13)

1. A process for the separation of asphalt from an asphalt containing oil comprising commingling said oil with an asphalt precipitating solvent and separating a portion of said asphalt, distilling said partially deasphaltized oil and producing an oil fraction containing the remaining asphalt and separating the asphalt from said oil fraction containing the remaining asphalt with an asphalt precipitating solvent.

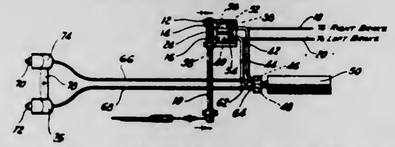
7. A plastic material produced from asphaltic oil comprising the plastic fractions recovered from the oil after a portion of the asphalt has been removed from said asphaltic oil with a solvent.

2,002,005
CARTON OR CONTAINER
Stella A. Gottlieb, New York, N. Y.
Application October 17, 1933, Serial No. 693,911
8 Claims. (Cl. 229—51)



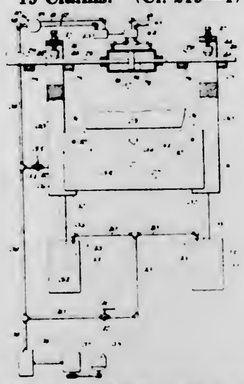
1. In a carton or container, an inner cover having side webs or folding partitions on the sides thereof; a lip on the front of said cover that rests when closed in a position parallel to the front wall of said carton; a supplementary cover passing over the inner cover aforesaid; said supplementary cover consisting of two integral sections one of which is glued or pasted to the top of the inner cover for the purpose of sealing said carton; a perforated or scored line impressed across said supplementary cover; said perforated line forming a flap contour at the approximate center of said supplementary cover; and a slit in the inside cover into which the sealing flap formed by the slitting of the perforated line is fitted.

2,002,006
BRAKE
Percy Edgar Hall, Birmingham, England, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 3, 1932, Serial No. 631,686
In Great Britain September 4, 1931
3 Claims. (Cl. 244—2)



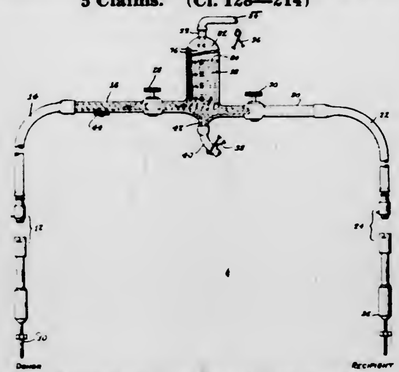
1. A control mechanism for airplanes comprising a rudder bar, a compressed air reservoir having a pair of valves, members connecting the respective ends of the rudder bar to the respective valves for actuation from the rudder bar, operating cylinders connected to the reservoir through the valves, a rock shaft, levers pivoted on the rock shaft and connected to the pistons of the operating cylinders, a pair of brakes, tension members connecting the levers to the brakes, and mechanical means for rocking the shaft to actuate the tension members to apply the brakes simultaneously.

2,002,007
SHEET FLASH WELDER
Arthur F. Hanson, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1932, Serial No. 608,880
19 Claims. (Cl. 219—4)



6. In a flash welding machine, the combination of relatively movable greatly elongated dies, a master wedge shaped cam to control the die movement and arranged for motion transversely to said relative die motion, and means adapted to co-act with the cam and transfer the movement thereof to the die.

2,002,008
APPARATUS FOR BLOOD TRANSFUSION
George S. Harris, Jr., Boston, Mass., assignor to Benjamin Howard Benson, Brookline, Mass.
Application May 25, 1933, Serial No. 672,740
5 Claims. (Cl. 128—214)



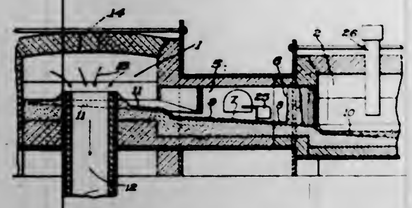
1. In apparatus for blood transfusion, the combination of a tube having terminals adapted for connection to the blood systems of donor and recipient, said tube affording a continuous flow passage for blood from donor to recipient; combined with a chamber, connected with the passage and rising above that part of the passage with which it is connected, and constituting an air trap; there being means for the temporary closing of the passage beyond the place of its connection to the chamber; the top and bottom of the chamber being adapted for connection of tubes additional to the first mentioned tube.

2,002,009
CONVEYER SYSTEM
Simeon T. Hart and Willard A. Marcy, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application December 30, 1930, Serial No. 505,576
22 Claims. (Cl. 198—20)



20. A vertical conveyer system having a well in which a car is adapted to travel upwardly in one path and downwardly in another path, unloading mechanism carried by the car and stations adjacent both the upward and downward paths of the car, each station including means for loading the car, and means for actuating the unloading mechanism carried by the car whereby the car receives loads at one station and delivers them to other stations on its upward travel and similarly on its downward travel.

2,002,010
METHOD OF AND APPARATUS FOR TREATING METALS
Glenn E. Hilliard, Brackenridge, Pa.
Application February 17, 1931, Serial No. 516,349
Renewed October 11, 1934
18 Claims. (Cl. 75—22.5)



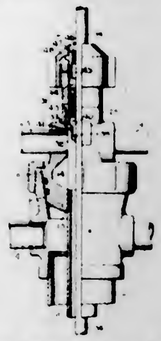
1. The method of melting steel scrap, which comprises maintaining a flow of intimately mixed steel scrap and fine carbon to a melting furnace, to form a gaseous envelope around the stream of scrap, and simultaneously maintaining an independent flow of comparatively coarser carbon which is made to mingle with the mixture and form an accumulation on the hearth of said furnace, consisting of a scrap-carbon conglomerate, thereby causing the melting scrap of said conglomerate to become alloyed with carbon.

2,002,011
WEB ROLL CONTROLLING MECHANISM
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee
Application October 3, 1930, Serial No. 486,090
11 Claims. (Cl. 242—75)



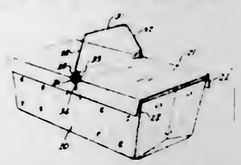
2. In a web roll controlling device for a printing machine, a support arranged to move rolls successively into running position, an endless belt supported to bear against the periphery of a web roll in running position and arranged to be driven by said roll, a controlling mechanism acting in response to variation in the pull of the running web, and a friction brake mechanically connected to said controlling mechanism and adapted to impede the motion of said belt to control the tension of the web and quickly check the rotation of the running roll when the machine is decelerated rapidly.

2,002,012
STUFFING BOX FOR POLISH RODS
James H. Howard, Houston, Tex., assignor to J. H. McEvoy & Company, a corporation
Application May 26, 1931, Serial No. 540,093
3 Claims. (Cl. 286—17)



1. In a tubing hanger and flow line cross, a polish rod stuffing box including a housing, a lower oil gland therein, means in said gland whereby the pumped oil will fill said gland, packing above said gland, and an upper oil gland with means therein to retain a supply of lubricant.

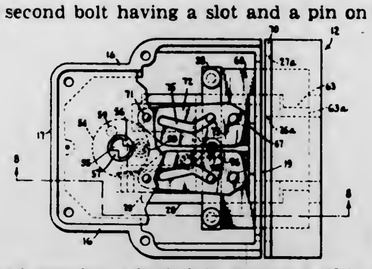
2,002,013
HANDLE CONSTRUCTION FOR BASKETS
Herbert M. Kieckhefer, Riverton, N. J., and Webster R. Dock, Milwaukee, Wis., assignors to Kieckhefer Container Company, Milwaukee, Wis., a corporation of Maine
Application December 8, 1933, Serial No. 701,436
9 Claims. (Cl. 229—52)



1. A receptacle comprising a body portion, handle-receiving ears secured to opposite sides of said body and having three-cornered loop portions projecting above the upper edges of said sides, and a handle having downwardly extending legs provided with oppositely disposed inwardly looped portions engageable from the outside between the uppermost corners of the loops of the ears and the upper edges of the receptacle to maintain the handle in upright position and being engageable between the other two corners of the loops of the ears to maintain the handle in a lowered position.

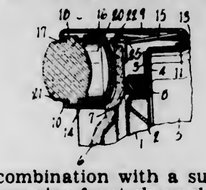
2,002,014
LOCK
Charles Kemp and Irving Kemp, New York, N. Y.
Application April 5, 1933, Serial No. 664,474
5 Claims. (Cl. 70—74)

5. A lock comprising a casing, a bolt slidably mounted therein, a second bolt slidably mounted on said first bolt for movement in a direction transverse to the movement of said first bolt, means for reciprocating said first bolt, a member pivoted with respect to said casing and having a pin and slot connection with said first bolt, said second bolt having a slot and a pin on said



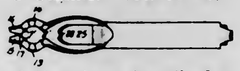
pivoted member adapted to engage within said slot and movable out of said slot.

2,002,015
REFLECTOR
Johannes Kosten and John J. Verwys, Grand Rapids, Mich.
Application June 19, 1933, Serial No. 676,444
21 Claims. (Cl. 88—81)



21. The combination with a support having a rearwardly opening front channel and a forwardly opening rear channel, the latter being relatively narrow compared to the former, the web of said front channel having a series of spaced openings therein, of reflector units seated in said front channel to project forwardly through the web openings thereof, and loop-like spring means seated in said rear channel and engaging said reflector units to hold the same in place.

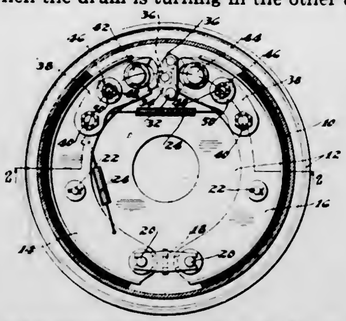
2,002,016
TOOL FOR INSERTING VALVE LOCK WASHERS OR KEEPERS
Smith Kyser, Philadelphia, Pa., assignor to Aircraft Specialties, Inc., a corporation of Delaware
Application May 4, 1932, Serial No. 609,129
5 Claims. (Cl. 81—3)



1. A tool of the class described comprising a body portion, a bar slidably mounted on said body portion, a pair of spring arms integrally formed with said body portion and projecting therefrom, and being adapted to grip the two complementary portions of a split valve washer between them and said bar being adapted to extend between the two complementary portions to maintain them in separated relation until the washers are snapped on to a valve stem, said bar being provided with a vertical pin and said body portion being provided with a spring tongue adapted to cooperate with said vertical pin to limit the rearward movement of the bar.

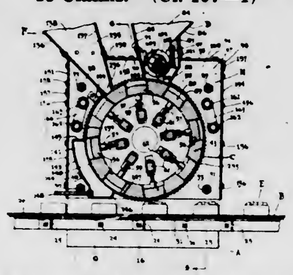
2,002,017
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application March 21, 1931, Serial No. 524,253
13 Claims. (Cl. 188—78)

1. A brake comprising a rotatable drum and friction means anchoring at one end when the drum is turning in one direction and at the other end when the drum is turning in the other direc-



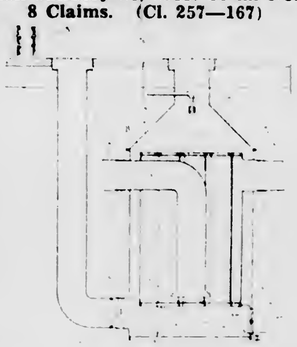
tion, and having at its opposite ends frictionally-pivoted anchor links.

2,002,018
METHOD OF AND APPARATUS FOR APPLYING NUTS TO CANDY BARS
Frank A. Martoccio, Minneapolis, Minn.
Application January 7, 1932, Serial No. 585,191
15 Claims. (Cl. 107—1)



2. The method of applying nuts to candy bars which consists in arranging the nuts in predetermined formation, in applying the coating to the arranged nuts and in transferring the coated nuts substantially in arranged formation to the candy bars and causing the formed nuts to adhere to the candy bars in such position.

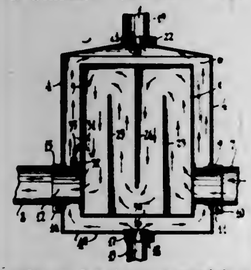
2,002,019
AIR CONDITIONING APPARATUS
George B. Marzolf, St. Paul, Minn., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn., a corporation of Minnesota
Application January 14, 1933, Serial No. 651,661
8 Claims. (Cl. 257—167)



6. In an apparatus of the character described, a casing having an opening at the lower portion

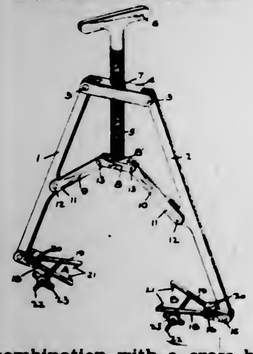
thereof for the ingress thereto of air to be conditioned and having an opening at the upper portion thereof for the egress of conditioned air, a drum within the casing spaced from the sides thereof, means for directing water into contact with the drum, an ingress conduit for admitting hot gases into the drum at the upper portion thereof, and a conduit for the egress of gases from the drum, said conduit extending upwardly from the lower portion of said drum and being subjected to the heat within the drum at its upper portion.

2,002,020
HEAT RETARDER
Marinus J. C. Nyborg, Columbia Heights, Minn., assignor of two-fifths to F. H. Hosmer, Minneapolis, Minn.
Application December 3, 1934, Serial No. 755,775
2 Claims. (Cl. 257—168)
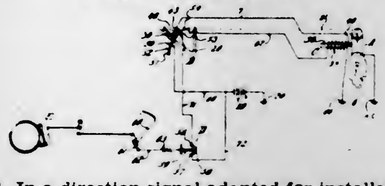


2. An auxiliary heater comprising inner and outer shells spaced to afford an air chamber, said outer shell having air intake and outlet pipes and said inner shell having smoke pipe connections leading thereto and therefrom through the walls of said outer shell, said inner shell having overlapping baffles for causing the products of combustion to take a tortuous course therethrough, in which said structure, the inner shell is provided with an opening normally closed by damper combined with a thermostat arranged to move said damper to an open position when the air in the air chamber is heated beyond a predetermined temperature.

2,002,021
SURGICAL FRACTURE EXTENSION APPLIANCE
Howard Rouse, Lewiston, Idaho
Application February 27, 1934, Serial No. 713,091
4 Claims. (Cl. 128—83)



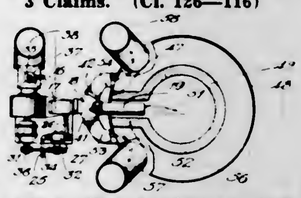
1. The combination with a cross head and a screw therein, a pair of arms pivoted to the cross head, a spreader-head in which the screw is journaled, and links pivotally connecting said spreader-head with the arms, of a pair of bracket-heads pivoted on the arms, and a pair of clamps swiveled in said bracket heads.

2,002,022
DIRECTION SIGNAL
Seely McCord Terwilliger and William Tell Sevener, Los Angeles, Calif., assignors of one-fourth to Clarence B. Foster, Glendale, Calif.
Application August 1, 1928, Serial No. 296,741
8 Claims. (Cl. 177—337)



2. In a direction signal adapted for installation on a vehicle having a brake system, the combination of: a pivoted signal arm movable outwardly from a neutral position to a stop signaling position and to different direction signaling positions beyond said stop signaling position; a first operating means for selectively moving said signal arm to said signaling positions; and a second operating means positioned to engage said signal arm and operable by the brake system to propel said signal arm from neutral position to said stop signaling position when the brakes are applied.

2,002,023
AIR CONDITIONING DEVICE
Adolph Thousand, Cedar Rapids, Iowa
Application July 28, 1933, Serial No. 682,622
3 Claims. (Cl. 126—116)



1. In an air conditioning device including a hot air furnace having a jacket, a conventional fluid fuel burner including a blower and a fuel pump for furnishing atomized fuel and air to the fire box of the furnace and driving means for driving the blower and fuel pump, a humidifying device for humidifying the air passing through the blower, means for controlling the admission of water to the humidifying device, means for disconnecting the fuel pump from the driving means of the fluid fuel burner, and conduits for directing air from the blower selectively into the combustion chamber and hot air jacket of the furnace.

2,002,024
SYRINGE
Frank L. Wood, Lynden, Wash.
Application February 5, 1932, Serial No. 591,070
1 Claim. (Cl. 128—215)

A syringe comprising a barrel having a nozzle end and a plunger end, a ledge projecting outwardly from the plunger end, a plunger having an annular boss at the outer portion thereof and means for supporting and maintaining the inner

end of the plunger out of contact with the nozzle end of the barrel in the normal lower most position of the plunger in the barrel when the barrel is empty, said means comprising a clip of resilient material having a barrel embracing portion seated beneath the ledge, an integral resilient extension engaging the upper portion of the ledge and comprising a resilient finger extending upwardly from the ledge and having a terminal cam face, the length of the plunger from its fluid-ejecting end to the under side of the boss being



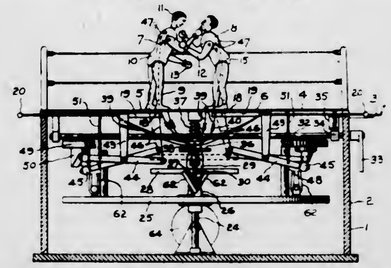
less than that of the inner extent of the barrel plus the height of the terminal cam face of the finger above the upper edge of the ledge whereby a surface of said cam face will be engaged by the boss on the plunger at the moment when the plunger is in a position close to but still out of contact with the inner face of the nozzle end of the barrel, said boss thereupon, on application of further pressure applied to the plunger, flexing the finger and thereby enabling the plunger to be moved to a position where it makes contact with the inner face of the nozzle-end of the barrel.

2,002,025
VEHICLE DOOR CONTROL
Charles A. Breit, Houston, Tex.
Application April 24, 1933, Serial No. 667,580
8 Claims. (Cl. 303—6.1)



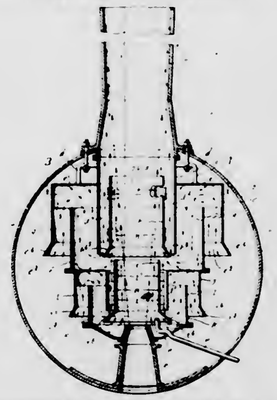
1. A vehicle door mounted to open and close, means for automatically closing the door, means movable to active position to lock the door in closed position and movable to inactive position to release the door to permit the door to be manually opened, means under the control of the operator of the vehicle and effective, when manipulated, to move said locking means to said inactive position and brake controlling means arranged to be controlled by the operator-controlled means and effective to admit a continuous pressure of fluid to the vehicle brake mechanism to maintain the vehicle brakes set while the door is unlocked.

2,002,026
FIGHTING TOY
Albert Deans Fairgrieve, Vancouver, British Columbia, Canada
Application October 2, 1933, Serial No. 691,779
21 Claims. (Cl. 46—40)



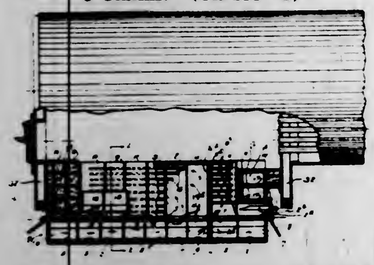
1. A fighting toy comprising a platform supporting a pair of boxers each having arms, legs and body, means for swinging the arms, and means operable by players for imparting movement to both legs of each boxer causing them to converge or diverge.

2,002,027
ENGINE SPARK EXTINGUISHER
Carl F. Gerlinger, Dallas, Oreg.
Application March 27, 1933, Serial No. 662,958
7 Claims. (Cl. 110—122)



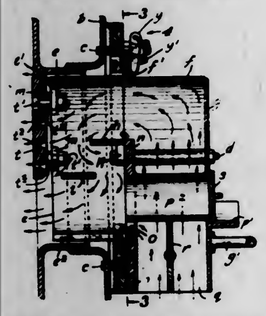
1. In combination with the stack and the exhaust nozzle of the smoke box of a locomotive engine, a spark reducing and extinguishing means comprising an extension of the lower end of the stack within the smoke box, an upper-header encompassing said stack extension, comprising a ceiling, an outer wall, a partition within said header arranged to constitute a reversing passageway connecting the smoke box with said stack extension, a lower-header coaxial with, but of lesser diameter than said upper-header, said lower header comprising an outer wall, an inner wall, a ceiling, and an inner partition arranged to constitute a reversing passageway connecting the smoke box with said stack extension, the ceiling of the lower header being connected to the lower end of the partition of said upper header and constituting the bottom of the inner end of said reversing passageway of the upper-header, a bottom closure for the space between the exhaust nozzle in the smoke box and said inner partition of the lower header.

2,002,028
FIRE BOX OF OIL BURNING LOCOMOTIVES
Carl F. Gerlinger, Dallas, Oreg.
Application July 3, 1933, Serial No. 678,772
6 Claims. (Cl. 158—3)



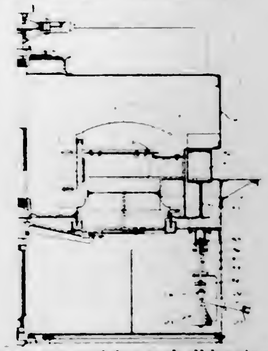
1. In an oil burning locomotive provided with a fire box, an oil burner located at the front of said fire box, and a flash wall located at the rear of said fire box, a fire box composed of interfitting hollow units, providing air heating passageways discharging into the fire box, certain of said hollow units having closed ends whereby the air passageways are separated into front and rear sections permitting the preheated air to enter the fire box at both the front and the rear ends simultaneously, the air passageways of the front sections having their outlets at the front of the fire box and the air passageways of the rear sections having their outlets close to the flash wall at the rear of the fire box.

2,002,029
DOOR FOR FIRE BOXES OF OIL BURNING LOCOMOTIVES
Carl F. Gerlinger, Dallas, Oreg.
Application June 23, 1934, Serial No. 732,111
6 Claims. (Cl. 110—175)



1. In combination with a locomotive firebox, a chambered door, comprising an anterior chamber provided with a damper controlled air inlet at the bottom, and an interior preheating chamber, a transverse slotted wall between such chambers, said wall being spaced from the top of said chambers and constructed to block communication between said chambers except at their upper portions and thru said slot, and a transverse perforated wall having the lower edge thereof spaced from the bottom of said preheating chamber and being located between the upper portion of said preheating chamber and the firebox, and horizontal staggered baffles in said preheating chamber, located between the top of said transverse slotted wall and the bottom of said transverse, perforated wall, whereby to retard and divide into courses the air passing into the firebox from the upper portion of the preheating chamber under the last mentioned wall, whereby to effect preheating of the air before entering the firebox.

2,002,030
FURNACE
Walter Grothe, Alameda, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Original application July 9, 1928, Serial No. 291,322. Divided and this application May 4, 1931, Serial No. 534,905
4 Claims. (Cl. 263—10)



1. A furnace comprising a shell having an opening therein and insulation projecting outwardly above said opening, a door vertically slidable across said opening and adapted to close the opening when the door is in an upper position with the top thereof adjacent said insulation, and means for moving said door from said upper position to a lower position, said top of the door being adapted to register with the bottom bounding said opening when the door is in the lower position.

2,002,031
THERMOSTAT
John M. Johnson, Kansas City, Mo.
Application December 7, 1933, Serial No. 701,312
8 Claims. (Cl. 200—142)



1. A thermostat comprising in combination a body member, a pair of conducting members carried thereby, means for connecting a pair of conductors to said conducting members, a second body member, a second pair of conducting members carried thereby, means for connecting a second pair of conductors to said second conducting members, fusible alloy holding the respective first and second conducting members together and means for placing said alloy under tension.

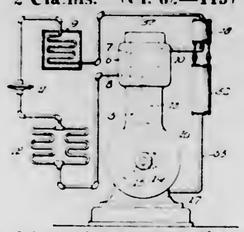
2,002,032
INKING MECHANISM FOR PRINTING PRESSES
Abel Kluge and Eneval Kluge, St. Paul, Minn., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application March 22, 1933, Serial No. 662,097
14 Claims. (Cl. 101—348)

1. In mechanism of the character described, saddle construction including a saddle block having spaced bearings for a pair of composition inking rollers and a mounting on said block for a vibrator roller, said mounting comprising a pair of bearing members individually slidably adjustable on said block, each member having



an inclined seat portion complementing that of the other, said seat portions forming a V-rest for the vibrator shaft, the adjustment of said members enabling said mounting to support the vibrator roller in contact with both of the composition rollers.

2,002,033
REFRIGERATING SYSTEM
Julius F. Kopsa, Chicago, Ill.
Application September 22, 1932, Serial No. 634,278
2 Claims. (Cl. 62—115)



1. In a refrigerating system, the combination with a motor-operated compressor for compressing the refrigerant for the system and an evaporating coil connected by a pipe line to receive compressed refrigerant from the compressor, of a separator device adapted to remove foreign liquid from the refrigerant prior to passage of the refrigerant to the coil and comprising a shell connected to the pipe line so that the refrigerant passes therethrough, a blade-equipped element mounted in the shell for rotation in response to flow of the refrigerant through said shell and operative during rotation to separate all foreign liquid from the refrigerant by flinging it outwardly, and means for catching the liquid flung outwardly by the blade-equipped element.

2,002,034
ELECTRICAL OUTLET AND CONNECTER FOR RAILWAY TRACKS
Glenn A. Laser, Mansfield, Ohio
Application September 7, 1934, Serial No. 743,132
1 Claim. (Cl. 247—1)

A combined outlet and connecter comprising a conduit containing a cable having oppositely disposed slits in one end thereof, a pair of semi-circular shaped contact blocks partially disposed in the slit end of said conduit, a band around the slit end thereof for securing said blocks in position, each of said contact blocks being provided with oppositely disposed semi-circular shaped bores therein for the reception of a cable, insulating members between the cable and the blocks comprising a longitudinally extending central portion semi-circular in transverse cross section having laterally extending integral side portions for disposition between the inner faces of the block, oppositely disposed bores in the sides of each of said blocks, and contact pins lon-



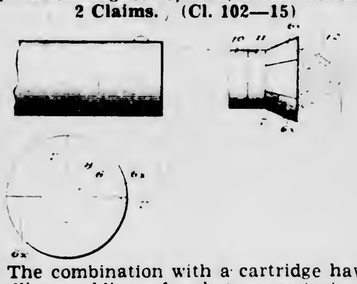
gitudinally disposed in said blocks extending from the upper faces thereof and having a portion terminating in the bores.

2,002,035
PACK OF PHOTOGRAPHIC PLATES
Bernhard Liebeskind, Berlin-Zehlendorf, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application March 19, 1931, Serial No. 523,857
In Germany April 2, 1930
10 Claims. (Cl. 206—62)



1. A pack comprising a pile of pairs of photographic plates, each pair being separately wrapped in a paper strip covering the pair of plates on four sides, the emulsion layers of each pair of plates facing each other and being separated at least at one narrow side by a part of said wrapping paper strip, said pile being wrapped in a paper strip closely embracing it at the upper and lower sides and at the two sides not covered by the separate wrappings of the pairs of plates.

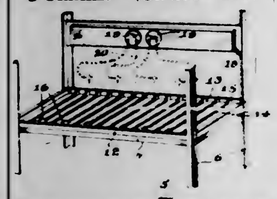
2,002,036
SHOT CONCENTRATOR
Ephraim McGavock, Max Meadows, Va.
Application August 11, 1933, Serial No. 684,731
2 Claims. (Cl. 102—15)



1. The combination with a cartridge having a propelling wadding, of a shot concentrator com-

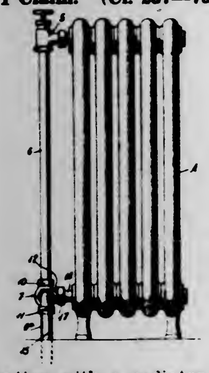
prising a cup-shaped member of thin tough flexible material, said cup-shaped member having a substantially circular disk portion, and integral segments radiating therefrom adapted to be folded together to form the entire side walls of the cup, a portion of a charge of shot disposed normally within the cup, another portion being disposed outside of the cup within the cartridge, and a wadding for retaining the shot, said wadding being spaced from the cup.

2,002,037
SUPPORT FOR ELECTRIC BATTERIES UNDERGOING CHARGING
Charles J. McKenna, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application April 29, 1932, Serial No. 608,338
3 Claims. (Cl. 136—173)



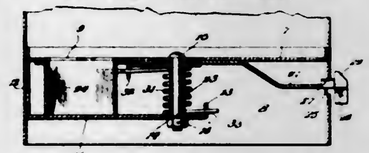
1. In a battery charging rack, a shallow battery supporting tray having a plane under surface formed of a material which is not affected by storage battery electrolyte, said tray having a low upstanding annular wall and battery supporting projections extending upwardly from the bottom of the tray and positioned within the boundary formed by the wall, said projections forming parallel ridges connecting opposite sides of the wall, and battery stop lugs projecting toward one another from opposite sides of the wall.

2,002,038
RADIATOR FITTING
Frank P. McKeon, Branford, Conn.
Application March 7, 1933, Serial No. 659,960
1 Claim. (Cl. 237—73)



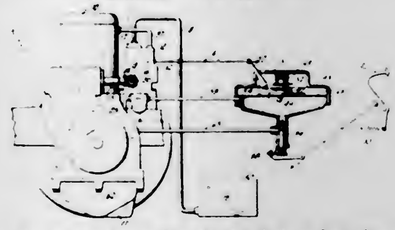
In combination with a radiator having duplicate end sections, each provided with an upper inlet and a lower outlet opening, of a reversible fitting adapted to be secured to the lower outlet opening of either end section of said radiator, said fitting being formed with a vertical passageway having top and bottom pipe connections establishing communication with the upper inlet portion of the radiator, and an elbow cast integrally with said fitting and having an entirely separate and continuous passageway therein disposed in a plane transverse to said first passageway and having a pipe connection establishing communication with the lower outlet end of the radiator, said latter pipe connection extending laterally of the radiator in the same direction when said fitting and pipe connection is secured to the opposite ends of said radiator.

2,002,039
CONDIMENT MEASURING AND DISPENSING DEVICE
Harold L. McPhee, Chicago, Ill.
Application April 23, 1934, Serial No. 721,996
4 Claims. (Cl. 221—109)



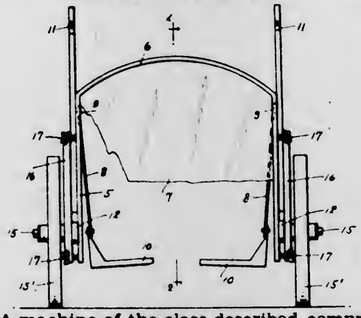
1. A dispensing device including a receptacle having a discharge opening in the bottom thereof, a reciprocating valve disposed beneath the bottom of the receptacle and provided with a plurality of measuring pockets, a stationary plate forming a closure for the lower ends of said pockets, a pivot bolt extending through the bottom of the receptacle and through the valve and the stationary plate, a spacing sleeve fitted about the bolt, a spring coiled around the spacing sleeve and having one end thereof connected with the stationary plate and the other with the valve, an operating handle extending laterally from the valve and projecting through a slot in the receptacle, and means carried by the handle and coacting with one wall of the slot for holding the operating handle in different positions of adjustment.

2,002,040
FUEL FEED CONTROL
Frank C. Mock, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 28, 1931, Serial No. 577,821
2 Claims. (Cl. 264—14)



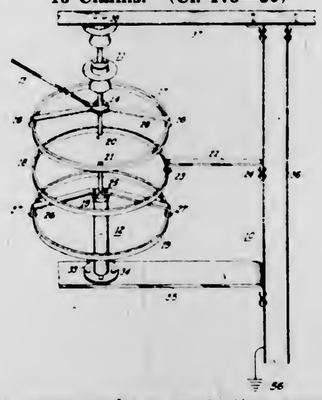
1. In a governor for an engine, a housing enclosing a chamber, a diaphragm forming a chamber wall, means for supplying fluid pressure to the chamber, a cap member secured to the housing above the chamber having an atmospheric opening, a member having spaced flanges contacting the diaphragm, a spring coacting between the cap member and the collar to press the same against the diaphragm, and a bell crank having arms inclined to each other at an angle other than a right angle, said bell crank being pivotally mounted interiorly of the cap member and having one arm arranged between the flanges and the other arm extending through said opening and adapted to be connected to an engine control, one of said arms being parallel to the face of the diaphragm.

2,002,041
FLEA BEETLE CATCHER
Nils T. A. Nilsson, Elma, Wash.
Application July 17, 1934, Serial No. 735,695
2 Claims. (Cl. 43—133)



1. A machine of the class described comprising a pair of upright side plates, a hood connecting the upper edges of the plates, a pair of spring arms fixed to each plate on the inner face thereof and diverging downwardly therefrom, oil pans mounted on the lower ends of the arms, and wheel means for supporting the plates.

2,002,042
EXCESS-VOLTAGE PROTECTIVE STRUCTURE
Ralph R. Pittman, Pine Bluff, Ark.
Application January 11, 1934, Serial No. 706,170
13 Claims. (Cl. 175—30)

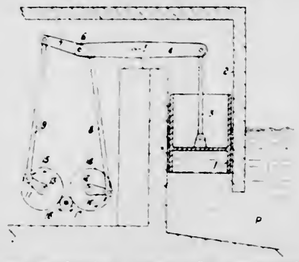


1. An excess-voltage protective arrangement adapted to be interposed between a conductor and ground, comprising a pair of conducting members rigidly supported in spaced-apart relation, one of said members being electrically connected to said conductor and the other of said members being electrically connected to ground, said pair of members forming a gap adapted to definitely limit the potential difference between conductor and ground, and means for preventing flashover between said members, said means including a plurality of normally insulated conducting electrodes supported in spaced relation to provide a plurality of spark gaps in series relation between said conductor and ground and capacity means including said conducting members associated with said electrodes for causing cascade flashover of said spark gaps.

3. In an excess-voltage protective structure subject to a voltage from a conductor to ground, insulating means supporting a plurality of normally insulated conducting electrodes to provide a first spark gap and a second spark gap in series relation from conductor to ground, a hollow insulator housing said second spark gap, and flux control means combined with said electrodes for simultaneously reducing the time lag of flashover of said gaps and impressing prior to breakdown of said gaps substantially all of said voltage on said first spark gap.

13. An arc extinguishing device comprising a first hollow insulator, a second hollow insulator contained by said first hollow insulator, normally insulated conducting electrodes associated with said second hollow insulator, said electrodes being so related that the weakest electrical path therebetween is in a space between the inner surface of said first hollow insulator and the outer surface of said second hollow insulator, and means including integral portions of said electrodes disposed respectively on the inner and outer surfaces of said second insulator for increasing the electrical capacity of the device.

2,002,043
MEANS FOR PRODUCING ARTIFICIAL WAVES
Owen Alfred Price, Kilmarnock, Scotland
Application January 30, 1935, Serial No. 4,013
In Great Britain November 16, 1933
8 Claims. (Cl. 272—26)



1. Wave-producing means for swimming pools and the like, comprising, in combination, a plurality of displacers, means for imparting to said displacers reciprocating movements in phase, the relation of the amplitudes of reciprocating movements of said displacers being varied during their reciprocation without varying the phase relation of said movements.

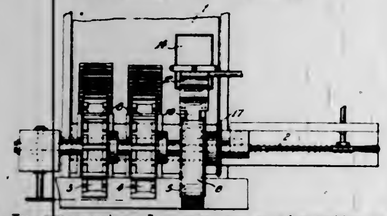
2,002,044
STRUCTURAL ELEMENT
Otto Rothenstein, Chicago, Ill.
Application January 16, 1930, Serial No. 421,189
2 Claims. (Cl. 189—37)



1. A structural element of rectangular form, consisting of two channel-like members facing

each other, and joined by welding along the meeting edges of the respective flanges, each member being severed longitudinally in a zigzag line along its web and the apices of the severed parts being connected by welding.

2,002,045
CIGARETTE MAKING MACHINERY
Felix Frederic Ruau, Deptford, London, England
Application June 12, 1934, Serial No. 730,326
In Great Britain June 21, 1933
11 Claims. (Cl. 131—39)



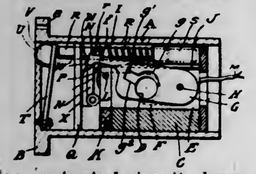
1. In apparatus for use on a cigarette making machine in which the cigarettes issue in axial alignment from a cut-off device on the machine, the combination with deflector elements for delivering the axially moving cigarettes laterally, of a weighing device, a scale pan for the weighing device, and an element movable in timed relationship with said deflecting elements to move an axially moving cigarette laterally into the scale pan.

2,002,046
POLYCYCLE PROPULSION MEANS
Albert J. Scholtes, Baltimore, Md.
Application July 13, 1934, Serial No. 735,035
11 Claims. (Cl. 208—37)



1. In a propelled vehicle, a body portion having a traction element, operating means, and connecting means operable to connect the operating means to the traction element upon a predetermined movement of the operating means and to release the operating means upon a different predetermined movement thereof.

2,002,047
LOCK SWITCH
John Delmore Taylor, Glasgow, Scotland
Application July 15, 1933, Serial No. 680,618
In Great Britain June 9, 1932
2 Claims. (Cl. 200—55)



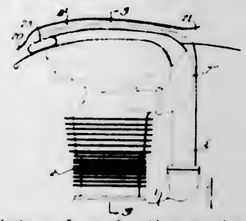
1. In a door actuated circuit closer comprising a casing, a lever loosely connected to said casing and having a lug to move therewith, a frame secured within said casing, a spring pressed bolt slidable in said frame to normally force said lug outwardly from said casing, a forked lever pivotally mounted in said frame to straddle said bolt and to permit movement either of the bolt or the lever and the bolt, a contact lever pivotally mounted to swing in said frame, a contact bar secured in the frame in spaced relation to the contact lever and positioned to permit the same to register, the said forked lever engaging said spring pressed bolt and having a shouldered portion movable therewith into and out of engagement with the contact lever, a control lever pivotally mounted to swing upwardly and downwardly in said frame, and spring means to hold said lever in either position, the said control lever having a clawed end portion to engage said shouldered portion of the forked lever in downward position, and to release the same in upward position to permit the contact bar and lever to register upon the opening of the door, the said frame and casing provided with a keyhole to insert and operate a key whereby the desired position of the control lever is attained.

2,002,048
EXTENSIBLE TEMPORARY BRIDGE
Cecil A. Thomas, Lawrenceville, Va.
Application October 15, 1932, Serial No. 637,998
7 Claims. (Cl. 32—5)



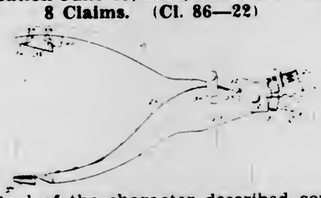
7. An adjustable removable bridge frame comprising complementary Y-shaped members adapted to be arranged with their bifurcated ends oppositely directed and in embracing relation to teeth at the ends of the gap to be filled, the shanks of said Y-shaped members slidably overlapping, said shanks being provided with a pin and slot connection for effecting length adjustment of said shanks.

2,002,049
INTERNAL COMBUSTION ENGINE
Charles Raymond Waseige, Rueil, France, assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 6, 1931, Serial No. 513,971
9 Claims. (Cl. 123—55)



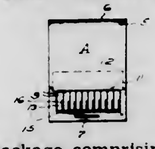
1. In an internal combustion engine of the radial type employing a supercharger for compressing the combustion supporting fluid and having a surrounding cowl for directing air toward the engine, the combination with said supercharger of a plurality of generally radially extending intake conduits leading from said supercharger to the combustion chambers of said engine, said cowl including an air conduit surrounding said first named conduits and open at one end for the entrance of atmospheric air and at the other end for the discharge thereof, and means associated with said last named conduit for increasing the velocity of the atmospheric air flowing through said conduit.

2,002,050
MINER'S FUSE CUTTER
Hallis Baker, Golden, Idaho, assignor to John F. Vanderpool and William H. Baker, Golden, Idaho
Application June 19, 1934, Serial No. 731,356
8 Claims. (Cl. 86—22)



1. A tool of the character described comprising a pair of pivotally connected levers disposed in crossed relation to each other, jaws formed on the respective levers, another jaw arranged between the jaws on said levers and supported by the pivot connecting said levers, one of the jaws on the levers and the said other jaw having companion spaced parallel grooves transversely thereof, and cutting blades on one lever jaw and operating crosswise of the grooves and longitudinally of a pair of opposed grooves and centrally of the same.

2,002,051
MATCH PACKAGE
Edward F. Boutillon, Woodside, N. Y.
Application August 9, 1934, Serial No. 739,165
5 Claims. (Cl. 206—29)



1. A match package comprising a cover bent to bowed formation, means for binding the free ends of the cover together, a group of paper matches comprising a portion bound to the cover and stems attached to said portion by weakened members, said stems comprising finger-grasp portions adjacent to said weakened members, and said cover having a side opening through which said finger-grasp portions may be projected and through which the matches may be withdrawn, and said cover being provided with friction surfaces upon its inner face, adapted to be engaged by the heads of the matches to ignite the same as the matches are being pulled through said side openings.

2,002,052
BUSK FASTENING MEANS FOR CORSETS AND SIMILAR GARMENTS
John Edward Broome, Market Harborough, Leicester, England, assignor to Ormond James Taylor, Dundee, Scotland
Application September 18, 1934, Serial No. 744,590
In Great Britain October 6, 1933
2 Claims. (Cl. 2—257)

1. A corset having a pair of marginal busks, studs projecting inwardly from one busk, cooperative slotted tabs projecting laterally from the other busk of the pair, a tab projecting laterally from said other busk and so arranged, when the garment is fastened, as to project over the face of the said first-mentioned busk, and an internal flap secured to the corset behind said



second mentioned busk and so arranged as to be within or behind the inwardly projecting studs when the garment is fastened, said flap thus serving to protect the wearer from discomfort from said studs.

2,002,053
CORN PRODUCT AND METHOD OF MAKING THE SAME
Charles Elmer Doolin, San Antonio, Tex.
No Drawing. Application August 24, 1934, Serial No. 741,335
2 Claims. (Cl. 99—11)

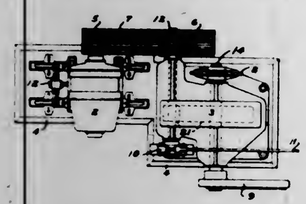
1. A method of making a product of the character described comprising taking shelled corn, grinding the shelled corn while adding water thereto thereby forming a dough, then extruding and cutting the undried dough into strips or chips, and dropping the chips or strips into hot oil so as to fry the same to a crisp condition.

2,002,054
ORCHARD HEATER
Lester L. English, Spring Hill, Ala., assignor to Alabama Polytechnic Institute, Auburn, Ala.
Application February 17, 1934, Serial No. 711,799
9 Claims. (Cl. 126—59.5)



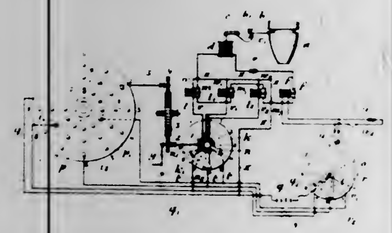
1. An orchard heater comprising means forming a combustion chamber open at the top, having an opening in its front, and having an imperforate bottom sloping upward from the lower portion of the opening in the front, said opening serving as the draft inlet for the combustion chamber, and means for tiltably mounting said combustion chamber for directing the radiant heat beam emanating from said open front in any desired direction and fuel retaining grate means across said opening providing for radiation of heat therefrom.

2,002,055
POWER TRANSMITTING MECHANISM
Walter Geist, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 19, 1930, Serial No. 453,440
10 Claims. (Cl. 74—389)



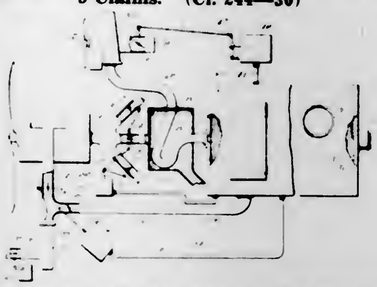
1. In combination, a speed-reducing mechanism, comprising substantially parallel driving and driven shafts, cooperative power transmitting elements carried by intermediate portions of said shafts, a housing for said cooperative power elements, the bearings for said driven shaft being carried by said housing, a crank carried by an end portion of said driven shaft extending from said housing and movable past the corresponding end of said driving shaft, a source of mechanical power, a driving connection between said power source and said driving shaft comprising a rotary element carried by a portion of said driving shaft extending beyond said housing at the end opposite to said crank and disposed at a point axially outside of the corresponding end of said driven shaft, the end of said driven shaft and a power take-off device carried by an end portion of said driven shaft opposite to that carrying said crank being disposed outside of said housing.

2,002,056
AUTOMATIC FUZE SETTING APPARATUS
Anton Gietmann, Dusseldorf, Germany, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany, a corporation of Germany
Application January 5, 1934, Serial No. 705,443
In Germany June 26, 1931
9 Claims. (Cl. 86—23)



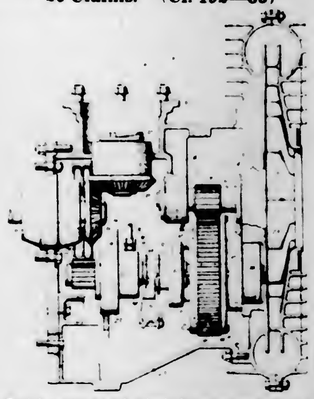
3. An automatic fuze setting apparatus for projectiles comprising a lock adapted to engage and retain the projectile in the apparatus while the fuze is being set, a device for operating the lock, a fire order transmitting system, a system for signalling fuze setting sequences comprising a receiver and a transmitter, and means rendered effective to operate the lock to release the projectile only on transmission of a fire order when the received signals agree with the transmitted signals.

2,002,057
AIRCRAFT
David Gregg, Caldwell, N. J., assignor to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application May 19, 1931, Serial No. 538,567
5 Claims. (Cl. 244—30)



1. In an aircraft having a propelling engine and an engine supercharger, a closed personnel-compartment, and means controlled by compartment-pressure for diverting supercharger-air to the compartment to maintain a substantial air-pressure therein, said means comprising a branch air conduit leading from the main supercharger discharge conduit to the compartment, and interconnected valves in the conduits.

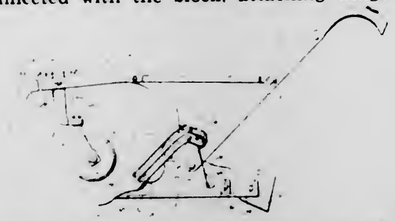
2,002,058
FLUID CLUTCH
David Gregg, Caldwell, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 30, 1932, Serial No. 589,909
26 Claims. (Cl. 192—85)



1. A fluid actuated clutch comprising a driving member, a driven member, pressure actuated means including an expansible fluid chamber for engaging the clutch, means forming an opening in the periphery of the chamber for releasing the clutch, and inertia operated means for controlling the opening.

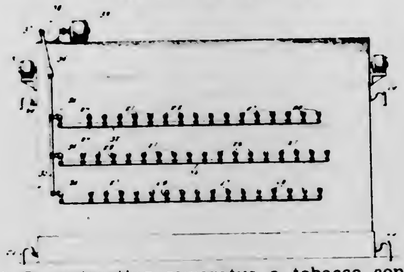
2,002,059
PLOW
Robert L. Gurley, Oakfield, Tenn., assignor of one-half to Charlie M. Dees, Oakfield, Tenn.
Application February 13, 1934, Serial No. 711,041
3 Claims. (Cl. 97—123)

1. A plow comprising a block having a slotted extension at the rear thereof and provided in its lower face with a longitudinal seat and a groove rising from the seat, a runner plate fitted in the seat, said plate having a rib fitting into the groove and adjacent its rear end having upwardly extending slotted ears fitting against side faces of the block, a fastener passing through the block and slots of the ears to secure the runner and permit vertical adjustment thereof, a plow beam connected with the block, attaching wings ex-



tending laterally from the front end of the block, a plow point secured to the attaching wings, spaced fingers extending rearwardly from the attaching wings and defining intermediate air passages, a cutter blade fitted in the slot of the extension and extending rearwardly from the block, and a fastening device extending through the extension and cutter blade for holding the blade in a vertically adjusted position.

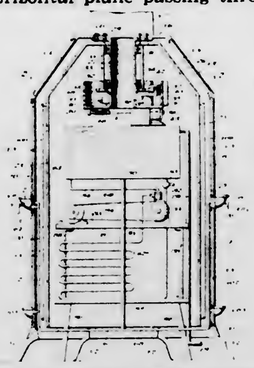
2,002,060
TREATMENT OF TOBACCO AND SIMILAR MATERIALS
Gordon D. Harris, Sound Beach, Conn., assignor to The Industrial Dryer Corporation, Stamford, Conn., a corporation of Connecticut
Application November 2, 1929, Serial No. 404,388
3 Claims. (Cl. 131—55)



1. In a treating apparatus a tobacco conditioning chamber a plurality of tobacco-carrying sticks rockably mounted in the walls thereof, means for agitating said sticks to agitate the tobacco carried thereby and means adjacent the tobacco-conditioning chamber for conditioning a gas and means for circulating the gas through the conditioning chamber and the chamber containing tobacco.

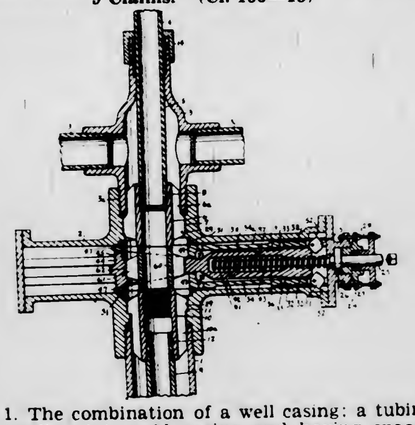
2,002,061
COMBINED REFRIGERATING AND ADVERTISING DISPLAY DEVICE
Samuel G. House and Alfred B. Small, Miami, Fla.
Application September 20, 1933, Serial No. 690,264
9 Claims. (Cl. 40—33)

1. A combined refrigerating and advertising display device comprising a housing formed of a framework and transparent panels, a cylinder within the housing, spaced from the inner walls of said housing and extending substantially the full length of said housing, means for supporting the cylinder, said cylinder having sections of advertising matter thereon appearing through the panels, means for rotating the cylinder step by step for causing each section of the advertising matter to appear at all of the panels disposed in the same horizontal plane passing through said



section, and a refrigerating unit for cooling water from a hydrant and enclosed in a protective manner by said cylinder and housing.

2,002,062
WELL PRODUCTION APPARATUS
James H. Howard, Houston, Tex., assignor to J. H. McEvoy & Company, Houston, Tex., a corporation of Texas
Application January 23, 1932, Serial No. 588,254
9 Claims. (Cl. 166—15)



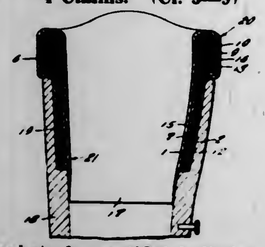
1. The combination of a well casing; a tubing extending into said casing and having spaced upper and lower sections; a valve on said casing; a housing above said valve, about said upper tubing section, and having an outlet; and an anchor to hold said lower tubing section beneath said valve, said anchor having a fluid passageway therethrough; said valve being movable transversely of said casing to close said casing, and to open said casing and connect said tubing sections.

2,002,063
MANUFACTURE OF FIBROIN SOLUTIONS
Wilhelm Irion and Herbert Mahn, Dessau-in-Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 2, 1932, Serial No. 590,507. In Germany February 2, 1931
7 Claims. (Cl. 134—1)

1. In the manufacture of aqueous fibroin solutions the steps which comprise adding to the di-

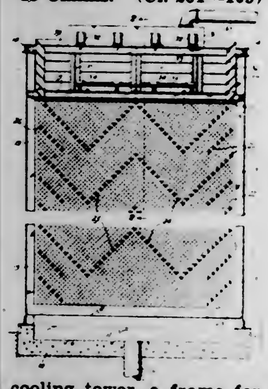
lute fibroin solution a compound having the capacity of reducing the surface tension of this solution and subjecting the mixture to a concentrating operation.

2,002,064
SOCKET FOR ARTIFICIAL LIMBS
Thomas Kohl, Wilkes-Barre, Pa.
Application June 15, 1934, Serial No. 730,803
4 Claims. (Cl. 3—9)



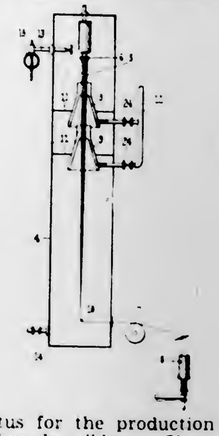
1. A socket for artificial limbs comprising inner and outer layers of rubber having their upper and lower portions secured together, the secured upper portions of the rubber layers being folded upon themselves and secured to the outer layer, an inner layer of leather secured to the inner rubber layer and having its upper portion folded downwardly over the rubber fold and secured thereto, an outer layer of leather secured to the outer rubber layer and having its upper portion extending over the downwardly folded portion of the inner leather layer and secured thereto, and a lining of comparatively soft leather secured to the inner leather layer and having its upper portion folded downwardly over the upper portion of the outer leather layer and secured thereto.

2,002,065
COOLING TOWER
Stanley Walter Kryszewski, Carteret, and Ernest Linwood Cahoon, Westfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application May 20, 1931, Serial No. 538,746
19 Claims. (Cl. 261—109)



1. In a cooling tower, a frame for the tower, wire mesh members supported by said frame, splash pieces and louver pieces supported by said wire mesh members, additional wire mesh members extending at right angles to said first mentioned wire mesh members and supported by the frame and louver pieces supported by said last mentioned wire mesh members.

2,002,066
PRODUCTION OF ARTIFICIAL FILAMENTS, THREADS, RIBBONS, FILMS, AND SIMILAR MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application February 4, 1932, Serial No. 590,828
In Great Britain March 27, 1931
9 Claims. (Cl. 18—8)



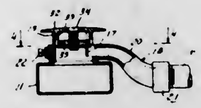
5. Apparatus for the production of artificial filaments, threads, ribbons, films and similar products, comprising a spinning cell, a spinning jet in the cell, and means at a point spaced apart from said spinning jet for applying a gaseous stream to the extruded products in such a manner and at such a speed as to exert a drag opposing the travel of the products sufficient to stretch the products.

2,002,067
COLD VULCANIZATION OF RUBBER
Douglas Frank Twiss, Wylde Green, Albert Edward Toney Neale, Ward End, and John Alexander Wilson, Erdington, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y., a corporation of New York
No Drawing. Application December 13, 1933, Serial No. 702,198. In Great Britain December 22, 1932
4 Claims. (Cl. 18—53)

1. A method of cold vulcanizing rubber compositions which comprises treating the rubber composition with a relatively small quantity of sulphur chloride in the presence of a member of the group of nitrogen containing hydrocarbon compounds consisting of the following compounds-diphenyl guanidine polysulfide, thiourea, thiocarbanilide, mercaptobenzothiazole, piperidyl pentamethylene dithiocarbamate, sodium pentamethylene dithiocarbamate, zinc diethyl dithiocarbamate, tetramethyl thiuram monosulfide, tetramethyl thiuram disulfide.

2,002,068
UNDER FLOOR DUCT SYSTEM
Hervey S. Walker, Ardmore, Pa.
Application January 4, 1934, Serial No. 705,212
5 Claims. (Cl. 247—28)

4. In an underfloor duct system, a duct embedded in the floor below the floor surface and having an outlet in the top wall thereof extending upward to the floor surface, and a hollow fitting within the floor and connected to said outlet between the top of the duct and the floor surface

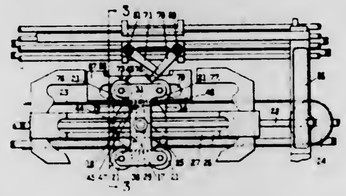


and communicating with the interior of the outlet, said fitting being formed for connection of a tubular member thereto.

2,002,069
SOLVENT FOR ACETYL CELLULOSE
James F. Walsh, East Orange, and Amerigo F. Caprio, Newark, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application July 13, 1928, Serial No. 292,588
2 Claims. (Cl. 106—40)

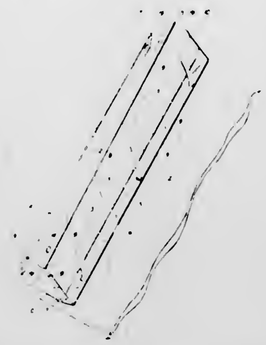
1. Process for the manufacture of plastic material, which comprises forming a stiff mass of a composition comprising cellulose acetate and an alkyl ester of alpha-oxy-iso-butyric acid, the said alkyl ester of alpha-oxy-iso-butyric acid being present in an amount equal to 20% based upon the weight of the cellulose acetate whereby the rolling characteristics of the mass are improved, and then drying and hardening the mass by rolling the same with the aid of heat.

2,002,070
KNITTING MACHINE
Sidney Arthur Welch, Albert Fairholme Guyler, William Henry Boaler, and John Thomas Ashby, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application December 12, 1931, Serial No. 580,596
In Great Britain January 26, 1931
5 Claims. (Cl. 66—126)



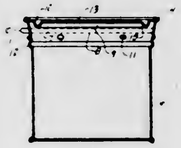
1. Flat knitting machine comprising sliding means for effecting a knitting traverse, sliding means for carrying a yarn guide, a pair of links pivotally mounted on said yarn guide carrying means, said links being adapted to swing in a plane parallel to the direction of traversing, a pair of ramps on said traversing means adapted to engage in turn with the ends of said links to traverse the yarn guide in lead of the knitting traverse, and a stop at each end of the knitting traverse adapted to engage the end of the driving link to prevent further traversing motion thereof and to cause the link to swing so that the said end rides up the ramp and becomes disengaged therefrom, whereby the other link may engage with the other ramp after the yarn guide has been at rest long enough to reverse its lead over the knitting traverse preparatory to traversing in the opposite direction.

2,002,071
LOOSE LEAF BINDER
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Application June 16, 1933, Serial No. 676,052
6 Claims. (Cl. 129—8)



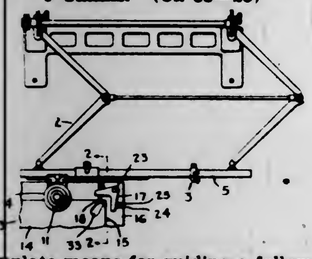
3. In a binder for loose leaves, a cover, a metal back L shaped in cross section secured to said cover, there being an aperture adjacent each end of the shorter portion of said L, a hinge on one edge of said back, a bar hinged thereto, a plurality of impaling pins fixedly secured to said bar, there being perforations in said bar intermediate said pins, a detachable bar having perforations therein which register with said pins, pins on said detachable bar which register with the perforations in the hinged bar, a lock on each end of said detachable bar adapted to enter the respective apertures in the shorter portion of said L.

2,002,072
CAN
John M. Abrams, New York, N. Y.
Application October 22, 1932, Serial No. 639,010
14 Claims. (Cl. 220—54)



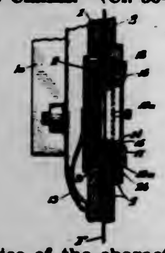
1. A can comprising a body portion having score lines beneath the top in its sidewall defining a rip strip, a top end having an annular wall extending in an up and down direction, and a row of spaced protuberances upon the sidewall located below the score lines, the outer face of said annular wall being set back from the outer edge of the top end to be substantially on line with the back of said protuberances, said sidewall flaring outwardly from the lower to the upper score line so that the portion of the sidewall remaining on the top end after the rip strip is removed is of suitable diameter to engage frictionally for reclosure the outside of said protuberances, said annular wall being of sufficient depth to reach the protuberances when the can is reclosed.

2,002,073
TEMPLATE
James L. Anderson, Chester, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1932, Serial No. 628,662
9 Claims. (Cl. 33—25)



1. Template means for guiding a follower having upper and lower magnet rollers driven in opposite directions, said means having, in addition to a template of magnetic material to cooperate with one of the rollers, an internal template device, also of magnetic material, to cooperate with the other roller to effect a desired change in direction, and means for supporting said internal template device so that it can be shifted slightly by the magnetic attraction between the rollers and the guiding portions, to insure transfer of the control of the follower from one template element to the other without jog or stoppage.

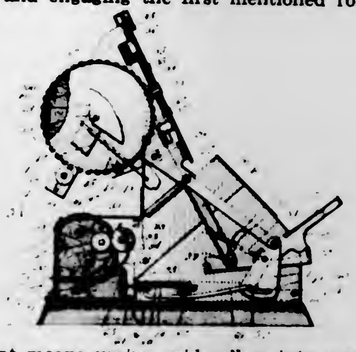
2,002,074
FILM GUIDING MECHANISM
Joseph D. Basseen, Brooklyn, N. Y.
Application January 14, 1931, Serial No. 508,583
8 Claims. (Cl. 88—17)



1. In a device of the character described, the combination with an objective lens, of passage-forming mechanism for guiding a film along a path intersecting a light beam traversing said objective lens, and means carried by said mechanism for obliquely relating said film to the optical axis of said objective lens, said means being movable with respect to said mechanism and co-acting directly with said film.

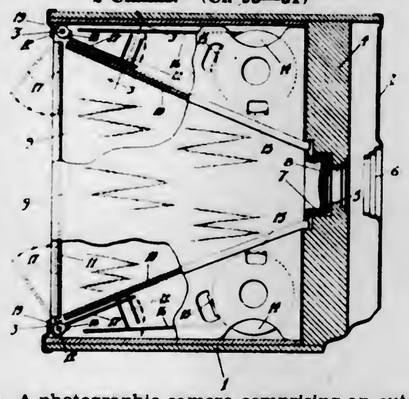
2,002,075
TYPEWRITING MACHINE
Samuel I. Berger, Newark, N. J.
Application September 14, 1932, Serial No. 633,105
4 Claims. (Cl. 197—47)

3. In a typewriting machine, a wheel having type arranged about its periphery, a plate rotatably mounted at right angles to the plate of the wheel and having symbols arranged thereon corresponding to the symbols of type on the wheel, gear means connecting the wheel and plate so that a movement of the plate will be transmitted to the wheel, a carriage, an arcuate strip mounted on the carriage and having spaced apertures therein, bearings on one side of said member, a shaft journalled in said bearings, rollers fixed to the shaft and projecting partially through the apertures, a second shaft supported on the other side of the strip, rollers mounted on the second shaft and engaging the first mentioned rollers,



resilient means urging said rollers into engagement, a platen mounted on the carriage and positioned in a plane at right angles to the plane of the wheel, and means to move the type wheel into contact with the platen.

2,002,076
PHOTOGRAPHIC CAMERA
Carl Bornmann and Bruno C. Rochri, Binghamton, N. Y., assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application January 18, 1934, Serial No. 707,145
2 Claims. (Cl. 95—31)



1. A photographic camera comprising an outer casing and an inner casing, means between said casings for journaling film spools, one side of said inner casing being open and comprising the exposure area past which a film may be moved from one spool to the other, and flaps pivoted adjacent said open side and selectively adjustable to a position partially closing said opening and to a position between said casings and wholly outside said exposure area.

2,002,077
MAGNETIC PUZZLE
Thomas H. Darling and William Maccabee, Rockville Centre, N. Y.
Application March 24, 1933, Serial No. 662,514
4 Claims. (Cl. 273—157)

4. In a puzzle device employing a game plate magnetized throughout the entire area thereof, a plurality of interfitting game pieces of irregular contour adapted to be assembled and retained on said plate in the production of a predetermined picture, each of said pieces comprising magnetically influenced material, and a facing of non-magnetic material.



2,002,078
TEXTILE APPARATUS
William Alexander Dickie and Ernest Leslie Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 30, 1932, Serial No. 631,058
In Great Britain September 24, 1931
4 Claims. (Cl. 242—157)



1. Yarn guide in which the surface of the guide over which the yarn is to pass has very fine scores or furrows in a direction transverse to the direction of movement of the yarn over such surface.

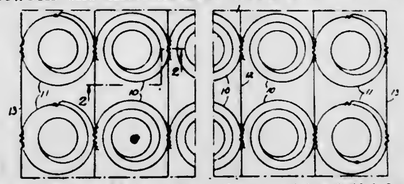
2,002,079
CARD CLOTHING FOR TEXTILE MACHINERY
William Alexander Dickie, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application September 24, 1932, Serial No. 634,731
In Great Britain October 1, 1931
9 Claims. (Cl. 19—114)



1. Card clothing comprising metallic bristles mounted in a non-rigid support containing filamentary material and a substance selected from the group of esters, ethers and ether-esters of polyhydroxy compounds whereby the product is resistant to the destructive action of steam.

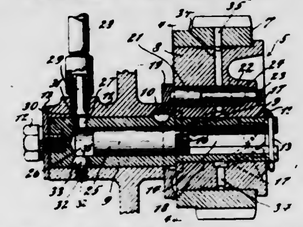
2,002,080
METHOD OF AND MEANS FOR FASTENING SPRINGS TOGETHER
Charles Dietrich, Cleveland, Ohio, assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn., a corporation of Connecticut
Application August 13, 1932, Serial No. 628,635
7 Claims. (Cl. 140—3)

1. A tie for connecting coil springs, comprising a pair of outer open hooks in which a wire section of one of the springs may be seated, and an opposed intermediate open hook in which a wire section of the other of the springs may be seated, the hooks being integrally connected and relatively spaced to hold the two wire sections in snug tangential engagement and the spacing between the intermediate hook and each outer



hook being greater than the combined thickness of the two wire sections.

2,002,081
HYDRAULIC SLACK TAKE-UP DEVICE
Richard F. Dow, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a corporation of Connecticut
Application May 6, 1932, Serial No. 609,600
8 Claims. (Cl. 74—242.11)



1. A slack take-up device comprising an idler adapted to engage a chain, a bearing on which said idler is rotatably mounted, a pivot supporting said bearing and disposed eccentrically to its axis, a pin movable lengthwise of said pivot, a connection between said pin and bearing adapted to cause rotation of said bearing by said lengthwise movement of the pin, a piston operatively connected to said pin, a cylinder within which said piston is movably received, means to supply liquid under pressure to said cylinder to move said piston in one direction, and means to prevent backward flow of said liquid from said cylinder, thereby preventing movement of said piston in the opposite direction.

2,002,082
ULTRA-VIOLET LIGHT TRANSPARENT GLASS AND METHOD OF MAKING THE SAME
Camille Dreyfus, New York, N. Y.
No Drawing. Application February 18, 1928, Serial No. 255,508
8 Claims. (Cl. 49—81)

1. Method of making laminated glass that is at least partially pervious to ultra-violet light comprising interposing a layer of finely divided powder of a plastic composition containing a derivative of cellulose between sheets of glass of high quartz content and pressing at elevated temperatures to cause the powder to coalesce.

2,002,083
TREATMENT OF FABRICS
Henry Dreyfus, London, England
Application July 23, 1930, Serial No. 470,232
In Great Britain August 2, 1929
12 Claims. (Cl. 41—41)

12. Process for the production of effects upon fabrics which consists in subjecting mixed mate-

rials containing fibres comprising cellulose acetate at least in selected areas to the action of a reagent which will saponify the cellulose acetate,



then treating the materials in a hot bath containing ferric chloride until the cellulosic fibres are rendered removable by the action of said bath and mechanically removing the same.

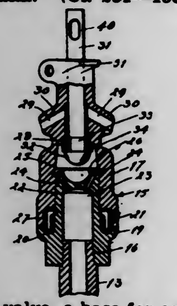
2,002,084
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application October 28, 1932, Serial No. 640,903. In Great Britain December 31, 1931
14 Claims. (Cl. 260—123)

1. Process for the manufacture of aliphatic anhydrides, which comprises thermally decomposing aliphatic acids in the presence of a catalyst comprising a phosphoric acid in combination with a plurality of metals at least one of which is at least as electronegative as barium and another of which is at least as electropositive as magnesium.

2,002,085
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application February 8, 1933, Serial No. 655,775. In Great Britain February 22, 1932
13 Claims. (Cl. 260—123)

1. Process for the manufacture of the anhydride of a lower fatty acid which comprises subjecting the lower fatty acid to thermal decomposition in presence of a metal oxy-salt selected from the group which consists of molybdates and vanadates.

2,002,086
AUTOMATIC BALL COCK VALVE
Wladyslaw Dylewski, Camden, N. J.
Application July 29, 1932, Serial No. 625,599
1 Claim. (Cl. 251—156)



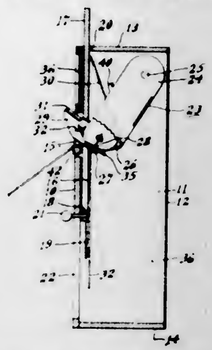
In a ball cock valve, a base for connection to a water supply pipe, a central extension formed integral with said base and providing a chamber open at its lower end to receive the supply of water, said chamber being practically closed at its upper end by the top wall of said extension, said top wall having holes passing therethrough in divergent directions at the perimeter thereof, a rest formed in said top wall, a body having a passageway through it and mounted directly on the extension, a valve seat in said body in opposed spaced relation to the rest, and a valve within said body for coaction with said seat and rest without interfering with the passage of water through the holes.

2,002,087
SHOE HEEL
Jack F. Esterson, Baltimore, Md.
Application July 17, 1931, Serial No. 551,459
2 Claims. (Cl. 36—36)



1. A heel for footwear comprising a main body portion and a detachable portion having a depression therein, a plate permanently secured to each of said portions, said plates occupying relatively small portions of the surface of said portions, one of said plates having side flanges adapted to engage the respective side edges of the other plate, said other plate having end flanges adapted to engage the respective end edges of the said first mentioned plate, the plate on the detachable portion being mounted in said depression and said depression being equal to the combined thicknesses of said plates.

2,002,088
TOWEL CABINET
Edward T. Halls, Montgomery, Ala.
Refiled for abandoned application Serial No. 448,109, April 28, 1930. This application June 19, 1934, Serial No. 731,309
8 Claims. (Cl. 312—37)



1. In a towel cabinet, a substantially entirely enclosed compartment for towels having access means thereto, and a swinging support for a plurality of towels secured together in a pack and reciprocable toward said access means to position a towel at the access means upon each reciprocation of the support, and from the access means to prevent access to the towels.

3. In a towel cabinet having a front door, means to support a pack of towels therein free to be moved toward said door, and means responsive to

the opening of the door and actuated thereby to move the towels forwardly and to present the foremost clean towel at the door opening.

2,002,089
VALVE ORGANIZATION FOR GAS RANGES
Edward E. Hodgkin, William W. Wodell, and Henry Lange, Quincy, Ill., assignors to Quincy Stove Manufacturing Co., Quincy, Ill.
Application July 18, 1932, Serial No. 623,162
2 Claims. (Cl. 277—19)



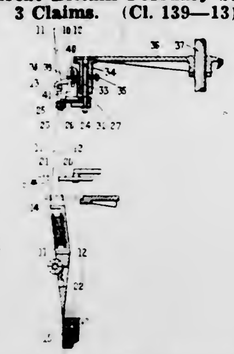
1. In a gas range having a control valve housing defining a gas receiving chamber, a partition wall, and a plurality of integral gas distributing channels, and the partition wall provided with a plurality of concentrically disposed gas releasing holes arranged in predetermined spaced relation; a gas control valve organization comprising a plurality of pivoted valve disks pivotally secured to said partition wall adjacent corresponding holes therein and each of said disks provided with a gas releasing aperture pivotally movable selectively into coregistry with said adjacent corresponding gas releasing hole respectively in the partition wall of said housing, a peripheral recess in each of said disks for rotatably receiving the end of a control pin adapted to actuate the disks, respectively, a control shaft for the support of the pin and a hand dial supported thereby, a disengaging spring for automatically releasing said control shaft when pressure is released therefrom and an individual spring for each of said valve disk members holding said members flatly against the adjacent surface of said partition wall.

2,002,090
MAKING PARALLAX PANORAMAGRAMS
Herbert E. Ives, Montclair, N. J., assignor to The Perser Corporation, New York, N. Y., a corporation of New York
Application December 20, 1930, Serial No. 503,731
12 Claims. (Cl. 88—16.6)



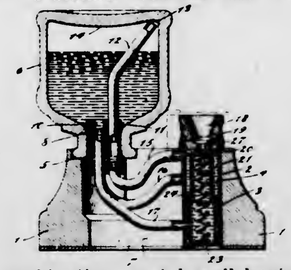
1. The method of producing parallax panoramagrams comprising the following steps; exposing in a moving picture camera a sensitized surface and at the same time causing relative lateral movement between the moving picture camera and the object being photographed, projecting from a moving picture projector the pictures thus made onto an unexposed emulsion coated ridged sheet, and at the same time causing relative lateral movement between the projector and said ridged sheet.

2,002,091
GUIDING OR SPACING OF YARNS IN WARP FORM
Joanny Jabouley, London, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application February 8, 1933, Serial No. 655,697
In Great Britain February 20, 1932
3 Claims. (Cl. 139—13)



1. In a circular loom, warp spacing means comprising a coil spring extending round the loom, so arranged that the coils are spaced apart at a distance appropriate to the density of the threads in the warp, a supporting rod extending round the loom concentric with said spring, means connecting the spring to said supporting rod, and supporting means adapted to nip into the space between said rod and said spring to hold said spring in position in the loom.

2,002,092
INKWELL
Louis H. Juster, St. Lambert, Quebec, Canada, assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application August 9, 1934, Serial No. 739,063
9 Claims. (Cl. 120—59)

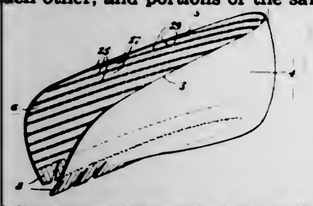


1. In combination, an ink well having a vertically extending chamber, a plurality of tubes communicating with said chamber at vertically spaced apart points, an ink reservoir normally having an air space adjacent the top thereof, all of said tubes communicating with said reservoir and the uppermost one of said tubes communicating only with said air space therein, and a valve vertically movable in said chamber and adapted in its lowermost position to uncover one of the other tubes.

2,002,093
SHOE COUNTER
Arthur C. Engel, Haverhill, Mass.
Application March 16, 1935, Serial No. 11,464
8 Claims. (Cl. 36—68)

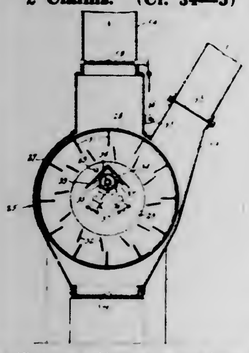
1. A counter of deformed sheet material of U-shape for use in a shoe and having a back and

two oppositely disposed sides, the sheet material being of a nature that has a tendency to become restored toward its undeformed condition, the counter having both its said sides exteriorly convexedly curved so that their upper edges extend toward each other, and portions of the said sides



substantially removed from the said back of the counter being of less rigidity in regions spaced between the upper and lower edges of the said sides than in the regions between the spaced regions to facilitate their holding the said sides deformed, curved shape.

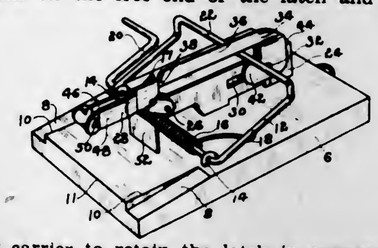
2,002,094
APPARATUS FOR ROASTING COFFEE
Leland S. Maede, Brooklyn, N. Y.
Original application November 25, 1930, Serial No. 498,064. Divided and this application November 7, 1932, Serial No. 641,622
2 Claims. (Cl. 34—5)



1. In a coffee roasting apparatus, the combination of a housing, a rotatable cylinder within said housing, a plurality of downwardly directed burners positioned within said cylinder, a fuel supply conduit leading to said burners, a valve in said fuel supply conduit, a port in said housing adjacent a longitudinal side of said cylinder, a conduit leading into said port, suction means operably connected to said conduit, a valve in said conduit, and means for operating both the fuel supply valve and suction conduit valve simultaneously whereby said fuel supply valve is closed and said suction valve is opened to rapidly pass a current of air directly through the walls of said cylinder.

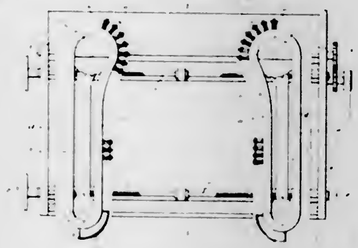
2,002,095
ANIMAL TRAP
William R. McCabe, Seattle, Wash., assignor to Ora A. McCabe, Seattle, Wash.
Application March 9, 1934, Serial No. 714,858
7 Claims. (Cl. 43—81)

1. The combination in a trap with a base, a support on the base having a slot therein, an L-shaped latch located over the support, and a pivotal support for the latch having a slidable bearing in the slot, of a spring-operated bail hinged on the base and retained between the latch and the support, a bait-carrier pivoted on the base below the free end of the latch, and co-acting means on the free end of the latch and said



bait-carrier to retain the latch in engagement with the bait-carrier, whereby the latch may be moved to set the trap.

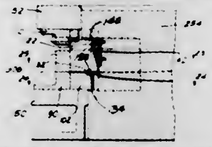
2,002,096
FABRIC EXPANDER FOR TEXTILE INDUSTRY
John J. McCann, Jr., Lowell, Mass.
Application January 28, 1932, Serial No. 589,521
3 Claims. (Cl. 26—61)



1. In a tentering device, a pair of endless conveyors having two sides thereof in opposed and relatively spaced relation and in substantially the same plane along a path therebetween, a plurality of elements carried by the conveyors for gripping the edges of a strip of fabric located in said path, means for driving the conveyors to move said opposed sides thereof from the fabric entering end to the exit end of the path, and means supporting and guiding the conveyors in ways causing the said two sides thereof to approach each other at said fabric entering end of the path and to diverge outwardly therefrom in curvilinear lines toward the exit end of the path, the said fabric gripping elements of each conveyor being in outwardly diverging relation to each other when at said curvilinear portion of the path and coming into closer relation as they leave such portion of the path whereby fabric gripped by the opposed elements is stretched widthwise by the said opposed sides of the conveyors at said outwardly diverging portion thereof and permitted by said approaching movement of the elements to reduce in length a proportional amount.

2,002,097
METHOD AND APPARATUS FOR MAKING SHEET METAL ARTICLES
Peter Peterson, Toledo, Ohio, assignor to The City Auto Stamping Company, Toledo, Ohio, a corporation of Ohio
Application December 21, 1931, Serial No. 582,397
31 Claims. (Cl. 113—46)

1. In a machine for forming sheet metal, the combination of a device for forming sheet metal, with a pair of clamping members surrounding a portion of said forming device for clamping a portion of the periphery of the blank, a second pair of clamping members, said second pair of clamping members being movably mounted, said second pair of clamping members gripping another portion of the periphery of the blank, and driving means responsive to the movement of the forming device for actuating said second pair of clamping members during the forming operation so as to cause said second clamping members to have a movement relative to said forming device.



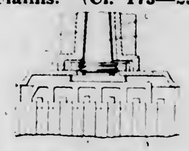
5. The method of making an article from a sheet metal blank, including holding a portion of the periphery of the blank, forming the blank thus held and shifting another portion of the periphery of the sheet metal during the forming operation so as to form an article having a smooth surface.

2,002,098
EYE SHIELD
William K. Price, Yakima, Wash.
Application December 21, 1933, Serial No. 703,332
5 Claims. (Cl. 2—12)



1. Eye shield structure comprising a frame having vision openings, a strip-like shield device disposed forwardly of each opening, with its ends secured to the frame, and its mid-portion spaced forwardly of the frame, to permit sidewise vision between said portion and the frame, the shield device being bent through approximately 180°, and being disposed to one side of the axial line of vision.

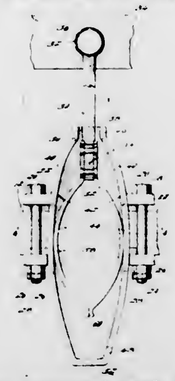
2,002,099
BATTERY TERMINAL
Edward Schilke, Middletown, Conn.
Application February 25, 1932, Serial No. 595,094
2 Claims. (Cl. 173—259)



1. In combination with a battery cell including a post projecting from within the cell to the top thereof, a bushing surrounding said post and having an enlarged base with a chamber therein, said base being seated snugly against the top of the cell and the bushing when finally secured in place having a lengthwise passage communicating with said chamber and extending the full length of the bushing and out at the top thereof for free and unobstructed outflow of fumes from between said post and bushing.

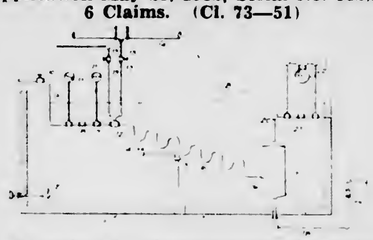
2,002,100
SHOCK ABSORBER
Sheffield Smith, North Providence, R. I.
Application June 27, 1932, Serial No. 619,408
2 Claims. (Cl. 267—9)

2. In a shock absorber, a casing adapted to be mounted on a vehicle supporting part having end walls having the inner surfaces thereof vertically concaved to form an elliptical concavity in said casing, a plunger having an upper end adapted to be attached to a vehicle part movable relative to said vehicle supporting part extending through the top wall of said casing and having two oppositely disposed hemi-elliptical spring leaves secured to each side of the lower end there-



of concave side outermost, each having an outwardly bent lower end and having the lower end of the elliptical portion thereof contacting the opposite hemi-elliptical spring portion to form a complete elliptical spring of slightly greater width than the distance between the elliptical casing end walls, reciprocatable within said casing against said oppositely disposed elliptical casing end walls.

2,002,101
METHOD AND APPARATUS FOR CONTINUOUSLY DETERMINING VAPOR PRESSURE
Edgar P. Valby and Marion L. Arnold, Long Beach, Calif.
Application May 23, 1932, Serial No. 612,980
6 Claims. (Cl. 73—51)



1. A method for the continuous determination of the vapor pressure of a liquid which comprises: passing a substantially constant stream of gas at a predetermined temperature through an orifice; measuring the pressure differential of the gas as it passes through the orifice; introducing a stream of said liquid into said stream of gas; bringing the gas and the vapor of said liquid to equilibrium at said predetermined temperature; separating the liquid from the mixture of gas and vapor; passing the gas and vapor mixture through said orifice to measure the pressure differential thereof as an index of the change of density and volume; and determining the vapor pressure from a comparison of the initial and final pressure readings.

4. An apparatus for obtaining vapor pressure measurements embodying: an equilibrium chamber; means for delivering a substantially constant stream of gas into said equilibrium cham-

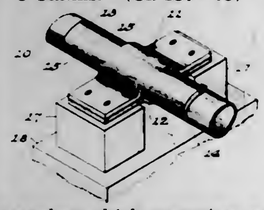
ber; means at the inlet of said equilibrium chamber for admitting a liquid whose vapor pressure is to be measured; a separating chamber at the outlet of said equilibrium chamber for separating the liquid from the gas and vapor mixture; a gas and vapor outlet from said separating chamber; an orifice in said gas and vapor outlet; and means for measuring a pressure differential across said orifice.

2,002,102
APPLE BOX
William M. Veaux, Seattle, Wash.
Application October 12, 1931, Serial No. 568,358
5 Claims. (Cl. 217—36)



5. An article of manufacture comprising an apple box of the character described having a thin bulging removable top, and a pair of spacing cleats secured to the ends of one side only of the box and at right angles to the bulging top.

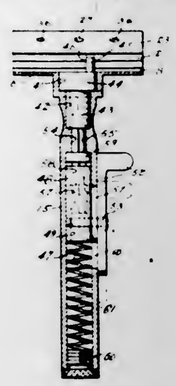
2,002,103
PIPE ANCHOR
Russell C. Wheeler, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1932, Serial No. 620,113
3 Claims. (Cl. 137—75)



1. A pipe anchor which comprises a body portion, means for securing said body portion to a support, a tongue extending longitudinally of the pipe to be anchored and adapted for welding along its longitudinally extending edges to the pipe to be anchored, and an offset portion between said tongue and said body portion.

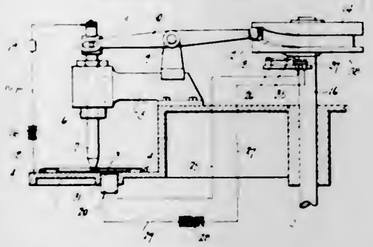
2,002,104
SAFETY RAZOR
Jean R. Yotts, Los Angeles, Calif.
Application July 21, 1934, Serial No. 736,354
2 Claims. (Cl. 30—12)

1. In a safety razor, the combination of a hollow handle having a removable closure for the lower end thereof and a transversely extending head on the upper end thereof and longitudinally extending guideways in the upper face of said head, a blade carrying block slidably mounted in said guideways and having blade securing means, and means mounted within said handle for manually causing said blade carrying block to slide in said guideways, said means comprising a disc rotatably mounted in the upper end of said handle, an eccentrically mounted pin projecting from the upper face of said disc, a transverse slot in said blade carrying block into which said pin projects, a rectangular stem rigidly secured at its upper end to said disc and extending axially therefrom concentrically of the handle, the lower portion of said stem being twisted axially to form a spiral, a sleeve slidably but non-rotatably mounted in said handle having a passage therethrough, said passage being of a configuration to coincide with the configuration of said stem



whereby relative lengthwise movement of said sleeve and stem will cause said stem to rotate, a finger piece slidably mounted against the outer wall of said handle and connected to said sleeve for moving said sleeve lengthwise of the handle, and a coil spring mounted in said handle between the bottom end of said sleeve and the lower end of said handle adapted to maintain said sleeve in its uppermost position.

2,002,105
KEY ATTACHING MECHANISM
George A. Bardet and George V. Bardet, Berkeley, Calif., assignors to M. J. B. Company, a corporation of Delaware
Application March 27, 1933, Serial No. 663,026
1 Claim. (Cl. 219—12)

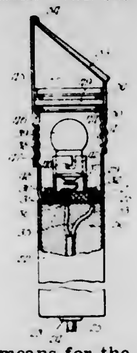


A key attaching mechanism comprising a support for a can end having a solder bearing key loosely located thereon, an electric contact, means for moving the contact from a raised position to a lowered position for momentarily contacting and closing an electric circuit through the key to fuse the solder for attaching the key to the can end and for exerting pressure against the key to press it tightly against the can end, and a magnet disposed below the support and adapted to be energized to draw the key against the can end and the end against the support to hold the end and key from movement during the solder setting period after the contact is lifted.

2,002,106
PROCESS FOR TREATING VEGETABLE FIBERS
Albert Bodmer and Ernst Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 10, 1932, Serial No. 628,184. In Germany March 17, 1932
8 Claims. (Cl. 8—20)

1. A method of producing permanent finish effects on vegetable cellulose material which comprises preparing a bath containing cuprammonium and a free alkali metal hydroxide in which the percentage of free alkali does not exceed 1.5% of the weight of the solution, swelling the vegetable cellulose material by subjecting it to the bath and subjecting the so-treated material to an agent for interrupting the swelling action of said solution.
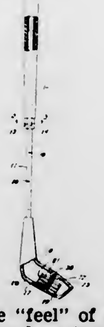
2,002,107
ILLUMINATED HOSE NOZZLE
Clyde E. Bourret, Morrisonville, Wis., assignor of one-half to Roman A. Heilman, Madison, Wis.
Application March 29, 1930, Serial No. 717,942
14 Claims. (Cl. 240—2)



1. Illumination means for the nozzle of a discharge hose for a fluid fuel dispensing unit comprising a first housing, a light socket secured therein, a bulb member mounted in said socket, electrical conductors connected to said socket, sealing means in said housing preventing entrance of moisture and vapors along said conductors, a second housing secured in sealing engagement over said first housing and having lens means sealed therein, and a weighted closure member pivoted to said second housing and having a light reflecting surface, said closure member being freely swingable out of closing position upon tilting of said nozzle to direct light rays along said nozzle.

2,002,108
EXERCISING DEVICE
Hal G. Child, Oswego, Oreg.
Application December 24, 1931, Serial No. 582,904
2 Claims. (Cl. 273—77)

1. A club for use in restricted space for training golfers to "groove" or render automatic the swing of their clubs, comprising a handle, a shaft, a head, and means for varying the weight of the head, the overall length of the device being less than 34 inches, and the total weight of the device without the means being greater than 18 ounces, said handle and shaft being relatively movable so as to alter the overall length to chosen figures below 34 inches when the means is varied to increase the weight whereby to im-



part to the user the "feel" of a usual club, the handle of which is too long to use for practice in said restricted space.

2,002,109
PHOTOGRAPHIC SHUTTER
George L. Coursen, East Orange, N. J., assignor of one-half to H. Theodore Sorg, Newark, N. J.
Application March 16, 1934, Serial No. 715,850
6 Claims. (Cl. 95—63)

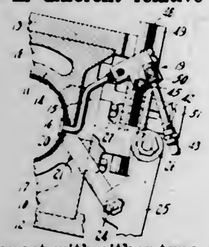


1. In a photographic shutter, a supporting means having an aperture, shutter leaf sets arranged around and cooperative with said aperture, means for actuating said leaf sets, each leaf set comprising a pair of superimposed leaves independently pivoted upon a common fulcrum means, and driving pin and cam slot connections between the actuating means and the leaves of each set adapted to produce simultaneous differential movement phases of said leaves whereby the sets operate with an accelerated opening movement, a relatively retarded aperture exposing movement and a final accelerated closing movement.

2,002,110
VULCANIZING MOLD FOR INNER TUBES AND THE LIKE
Peter De Mattia, Passaic, N. J., assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Original application August 29, 1928, Serial No. 302,711. Divided and this application April 4, 1934, Serial No. 718,925
6 Claims. (Cl. 18—43)

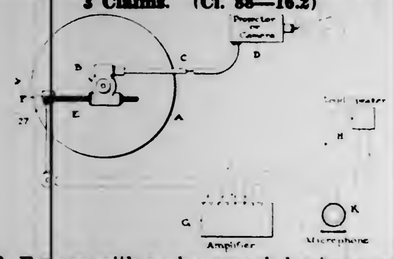
6. In combination with an annular mold for vulcanizing inner tubes and the like, said mold having an apertured wall for the reception of a straight valve stem or a bent valve stem, as desired, a clamping member for holding the valve stem in place in said apertured wall and to complete the mold cavity, a pressure fluid supply pipe coupling supported in a fixed position with ref-

erence to the mold, and means for setting the pipe coupling in different relative positions to



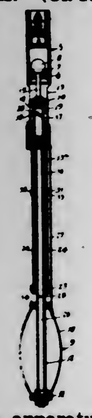
adapt it to connect with either type of valve stem as required.

2,002,111
SYSTEM FOR SYNCHRONIZING SOUND WITH MOTION PICTURES
Edmund H. Hansen, Los Angeles, Calif.
Application August 25, 1933, Serial No. 686,794
3 Claims. (Cl. 88—16.2)
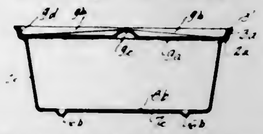


3. For use with a phonograph having a rotatable record centering pin, a unitary device adapted to be detachably mounted upon said pin, said device having members actuated by said pin for synchronously driving a motion picture camera and controlling the travel of the sound head of the phonograph.

2,002,112
DUMPING APPARATUS FOR OIL WELLS
Leonard E. Harrington, Long Beach, Calif., assignor to Perkins Cementing, Inc., Los Angeles, Calif., a corporation of California
Application June 13, 1934, Serial No. 730,400
10 Claims. (Cl. 166—19)



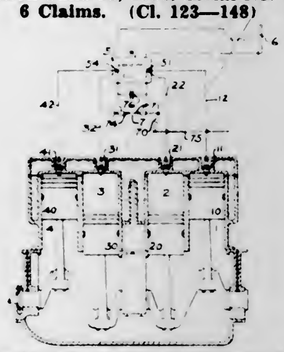
1. In a dumping apparatus for use in deep wells, the combination of a holder for the material to be dumped having a bottom opening, a valve seating on said bottom opening from above, a friction device located below the holder, with a lost-motion connection between the same and the holder, movable means carried on the holder for effecting the opening of the valve, and means for operating said last-named movable means by an upward movement of the holder relative to the friction device.

2,002,113
GARBAGE DISPOSAL RECEPTACLE
Roland E. Hunt, Cincinnati, Ohio
Application January 23, 1933, Serial No. 652,988
8 Claims. (Cl. 4—290)



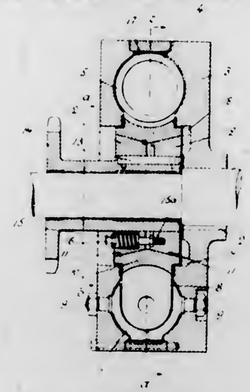
8. A garbage receptacle to be discarded with the contents, comprising a paper bottom and wall unit having its walls provided with a cover retaining rim of continuous extent around their tops, with portions of its extent therearound substantially straight, and a paper cover to fit inside said rim, with arcuate edges to distend said substantially straight rim portions when fitted inside said rim, said cover having its complete contour of such shape relative to the shape of extent of said rim around said tops of the walls, that intimate contact of its edges with all portions of the inner side of the rim is effected under the pressure due to the resistance of said distended rim portions to said arcuate edges of the cover.

2,002,114
IGNITION SYSTEM
Ralph S. June, Seattle, Wash., assignor of one-half to George A. Anderson, Seattle, Wash.
Application June 25, 1934, Serial No. 732,288
6 Claims. (Cl. 123—148)



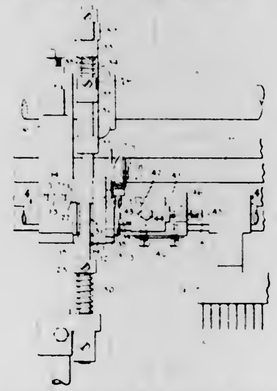
1. In combination with a multi-cylinder engine and pistons reciprocable in the several cylinders, an ignition system therefor comprising a high tension current source, a one-electrode spark plug disposed in each cylinder to fire across to the piston therein substantially at top center of such piston, and leads from opposite terminals of said source to the spark plugs in those cylinders the pistons whereof are simultaneously at top center, but a half cycle opposite in phase, whereby the time of firing is controlled entirely by the approach of such pistons to their corresponding spark plugs.

2,002,115
RESILIENT COUPLING
Viggo Axel Kjær, Copenhagen, Denmark
Application July 10, 1931, Serial No. 549,996
In Denmark July 26, 1930
10 Claims. (Cl. 64—100)



1. In a resilient coupling for connecting two shafts, a casing 3 keyed to one shaft 1, coacting thrust members 7 and 8, said casing 3 having attached thereto a part 7 of said thrust members, a coil spring 5 in the casing with one end acting against said part 7 of the thrust members and with its other end against the other part 8 of the thrust members, said other part 8 being attached to a clutch part 10 having conical clutch surfaces 11 coacting with corresponding surfaces on another clutch part 12 connected to the second shaft, said two coupling parts 10 and 12 constituting together a frictional coupling.

2,002,116
KNITTING MACHINERY
Fritz Lambach, Weehawken, N. J., assignor to Robert Reiner, Inc., Weehawken, N. J., a corporation of New Jersey
Application December 28, 1931, Serial No. 583,581
5 Claims. (Cl. 66—96)



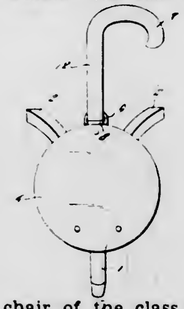
1. A flat full-fashioned knitting machine having, in combination with a series of needles, a cam shaft for the machine, a picot rod, picot bars supported thereon, a supporting frame for the picot rod arranged to swing about a fixed pivot to impart substantially vertical movements to said picot bars to cooperate with the needles, and a pattern mechanism for shifting said picot bars with relation to the needle series comprising a picot rod shifting cam supported on said frame for rotation to effect endwise movement of said picot rod, a ratchet secured to turn with said cam, a pawl mechanism supported on said frame for rotating the ratchet, a cam on the cam shaft, a cam follower, and an operating connection between said pawl mechanism and said cam follower rendered operative by the correlated vertical movements of the frame and of the follower toward and away from each other during a loop transfer operation to impart resetting and indexing movements to said pawl mechanism and ratchet.

2,002,117
ARTIFICIAL BAIT
James E. Lavitt, Everett, Wash., assignor to J. Bruce Watson, Everett, Wash.
Application August 7, 1934, Serial No. 738,853
3 Claims. (Cl. 43—45)



1. An artificial bait of the class described comprising an outer spoon having an opening therein, bearings on the outer spoon extending transversely into the opening, an inner spoon rotatably mounted in the opening, trunnions on the inner spoon journaled in the bearings, and means for rotating the outer and inner spoons as the bait is drawn through the water.

2,002,118
CHAIR
Albin Johnson, Belding, Mich.
Application August 1, 1934, Serial No. 737,980
1 Claim. (Cl. 155—143)



A folding chair of the class described comprising a straight leg, a pair of oppositely bowed legs pivotally mounted at an intermediate point on opposite sides of the first named leg, a circular seat, a substantially U-shaped bracket having the bight portion thereof anchored beneath the forward section of the circular seat, the second named legs being pivotally connected at their upper ends to the depending legs of the bracket, the first named leg extending above the seat and terminating at its upper end in a handle, a loop pivotally mounted on the rear of the seat and slidably encircling the upper portion of the first named straight leg, a stop on said first named leg engageable with the loop for supporting the seat in a substantially horizontal position when the chair is unfolded, and a spring clip mounted on the bracket intermediate the

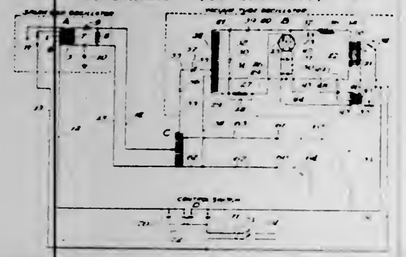
legs thereof and engageable with the first named leg for releasably securing the chair in folded position.

2,002,119

ELECTROSURGICAL APPARATUS

Rolland H. Maxson, Milton, Wis., assignor to The Burdick Corporation, Milton, Wis., a corporation of Delaware

Application April 15, 1933, Serial No. 666,297
15 Claims. (Cl. 174—177)



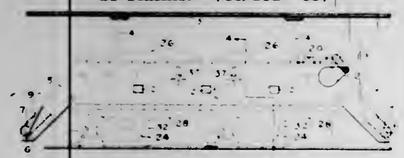
7. An electro-surgical apparatus comprising a vacuum tube oscillator, a spark gap oscillator, each said oscillator having an output circuit, said output circuits including a common applicator branch electrically connected with respect to each oscillator in parallel with the other oscillator.

2,002,120

METHOD OF AND APPARATUS FOR CONDITIONING CIGAR WRAPPER LEAF TOBACCO

Charles G. Maxwell, Louisville, Ky., assignor, by mesne assignments, to The American Tobacco Company, a corporation of New Jersey

Application January 27, 1931, Serial No. 511,631
15 Claims. (Cl. 131—55)



1. The herein-described continuous method of conditioning tobacco leaf wrappers to render them soft and pliant, which consists in continuously passing a succession of suspended hands of leaves into, through and out of a chamber slowly and in direct contact with a current of warm humid air moving thru the chamber, the said air having a moisture content of approximately 96 per cent and in so regulating the conditions of operation that the moving tobacco will be maintained in the presence of the humid atmosphere until it absorbs naturally all the moisture it can assimilate by absorption in such an atmosphere, the temperature of the said atmosphere being such as to substantially retard the formation of water globules such as would tend to spot the leaves.

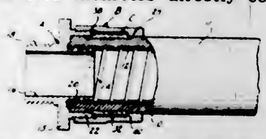
2,002,121

HOSE COUPLING

Carlos L. McMaster, Cleveland Heights, Ohio

Application November 25, 1933, Serial No. 699,723
4 Claims. (Cl. 29—148.5)

1. In the method of making a hose coupling having a coupling member and a hose gripping member, the step of making said members in one piece with said members directly connected to



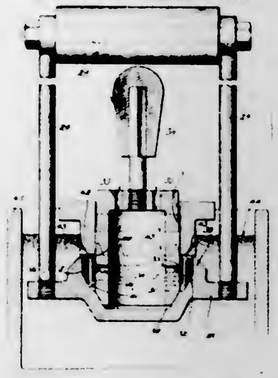
each other end to end, and the subsequent step of separating said members.

2,002,122

METHOD OF FORMING METAL FORTIFIED PACKER GASKETS

James R. McWane, Birmingham, Ala.; A. T. McWane, William McWane and Jelks H. Cabaniss, executors of said James R. McWane, deceased, assignors to McWane Cast Iron Pipe Co., Birmingham, Ala.

Application May 25, 1933, Serial No. 672,886
2 Claims. (Cl. 22—202)



2. The method of forming a pipe joint gasket having soft metal ends and an intermediate body of compressible sealing material which consists in forming an annulus of the compressible material with chambering in the annulus body thereof opening communication therethrough from end to end, confining the annulus with its axis disposed vertically in an annular cavity affording clearance above and below the annulus to the extent of the desired proportions of soft metal ends and defined by bottom and lateral confining walls one of which lateral walls terminates at a height for determining the extent of the above clearance, administering molten metal into said clearances and chambering to be allowed to thereafter harden and be removed from the confinement in the annular cavity as an integral gasket structure, and permitting said molten metal to overflow said upper clearance extent determining wall for fixing the length of the gasket without resort to trimming of excess metal.

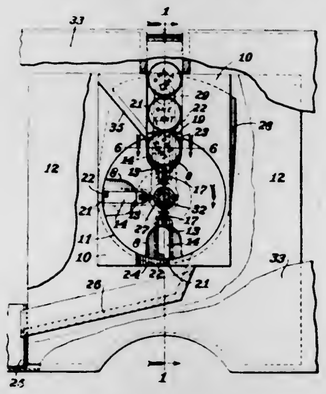
2,002,123

COIN CONTROLLED MECHANISM

John G. Miller, Baltimore, Md.

Application March 14, 1934, Serial No. 715,517
5 Claims. (Cl. 194—70)

1. In a coin controlled mechanism, a supporting frame, a member rotatably mounted in the frame and having a coin receiving recess opening radially and an undercut guideway opening into the recess, said guideway extending radially of the rotatable member and opening across the center of the coin recess to the periphery of the rotatable member, means for rotating said member, a locking element having reciprocatory motion within the guideway and being retained therein by the undercut formation of the guideway, said locking element having a lug projecting into the coin recess and providing a coin seat on which a coin may rest, said locking element being



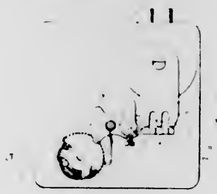
movable outwardly from the rotatable member into locking engagement with the frame, means for urging said element outwardly relative to the rotatable member and said frame providing a presser surface against which a coin carried on said coin seat may ride as the member is rotated to force the coin and thereby the locking element inwardly to disengage the locking element from the frame.

2,002,124

ELECTRIC DRIVING DEVICE

Otto Neuenschwander, Kilchberg, Switzerland

Application August 14, 1933, Serial No. 685,143
In Switzerland August 27, 1932
1 Claim. (Cl. 172—126)



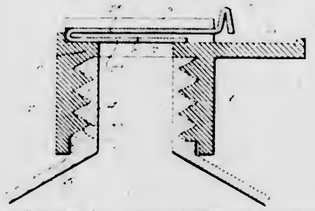
An electric driving apparatus of the class described, comprising an electro-magnet having oppositely disposed pole pieces forming oppositely disposed widened portions arranged in a common plane and having slots extending to and open at their opposing ends, and an armature arranged for movement across the common plane of the pole pieces toward and from the intermediate portion of the electro-magnet in a path substantially at right angles to said common plane and having extensions at its opposite sides adapted to enter the slots of the pole pieces when the armature and pole pieces are in substantially the same plane and thereby reduce the electro-magnetic pulling force of the apparatus to approximately zero when the armature is in such position.

2,002,125

CONTAINER CLOSURE

Paul Norris, Ardmore, Pa., assignor of forty-five one hundredths to Ralph McKittrick, Villanova, Pa.

Application November 10, 1933, Serial No. 697,490
2 Claims. (Cl. 221—60)



1. A closure for containers comprising an integral sleeve element adapted to be threaded on to the discharge neck of a container, said sleeve including a top portion provided with an opening therein aligned with the discharge port of the container, side walls extending from opposite sides of said top portion, flanges extending inwardly from said side walls in spaced relation with respect to the top portion to form parallel undercut grooves, a projection extending laterally of said sleeve beyond the ends of said side walls in the plane of the top portion, a resilient closure element slidable on said top portion in the grooves formed by the flanges, said flanges engaging the upper surface of said resilient closure element and compressing the same firmly against the top portion, and means at the extremity of said projection to prevent displacement of said closure from the sleeve element.

2,002,126

FRICTION DRIVE

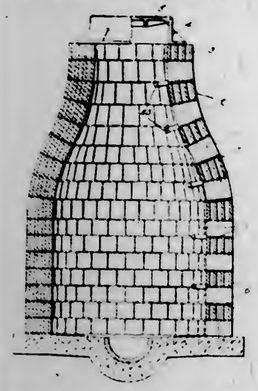
Otto Ohnesorge, Bochum, Germany

Original application April 8, 1929, Serial No. 353,626. Divided and this application July 2, 1934, Serial No. 733,401. In Germany June 8, 1928
12 Claims. (Cl. 74—224)



8. Friction drive for ropes, chains and similar pulling means, consisting of a drum, an endless band of chain links laid around said drum in several convolutions, said chain links having a groove at their circumference for receiving the pulling means, so that it also surrounds the drum in more than one convolution, and shifting elements by which the chain windings are gradually shifted for the width of the chain during each revolution, said shifting elements being mounted in the drum, and control elements by which the operation of the shifting elements is effected, said control elements being fixedly arranged near the shaft of the drum.

2,002,127
MANHOLE AND CISTERN CONSTRUCTION
Nathaniel Paul O'Neal, Hope, Ark.
Application August 13, 1934, Serial No. 739,701
3 Claims. (Cl. 72—9)



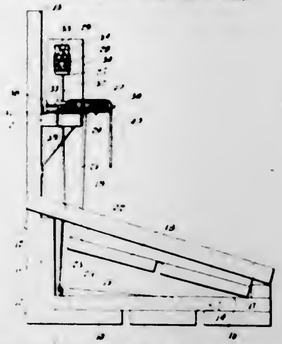
1. In a manhole construction, a plurality of bricks arranged in courses, said bricks having parallel upper and lower surfaces and inclined side surfaces, the side surfaces of the bricks of the several courses being arranged adjacent to each other forming a circular lower portion, upper courses of bricks, the bricks of the last mentioned courses having their upper and lower surfaces and side surfaces converging towards one end thereof providing bricks having wide ends and narrow ends, certain of the courses of bricks being arranged whereby the narrow ends are disposed inwardly, and certain other courses being arranged with the wide ends of the bricks disposed inwardly, shaping the manhole.

2,002,128
DISPLAY RACK
Ray A. Reidenbaugh, Marion, Ohio
Application February 19, 1934, Serial No. 712,023
1 Claim. (Cl. 211—1)



A display rack comprising upwardly converging frames, means for pivotally connecting the upper ends of the frames, releasable means for holding the lower ends of the frames spread apart, triangular plates hung upon the pivotal connections of the frames with their side edges following the frames, and vertically spaced pockets on said plates.

2,002,129
RODENT TRAP
Emil F. Schroeder, Weyauwega, Wis.
Application February 21, 1934, Serial No. 712,388
2 Claims. (Cl. 43—62)

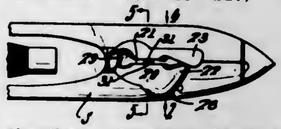


1. A trap of the class described having a base, a standard rising therefrom, a shelf on said standard, a trigger lever, means pivoting said lever on said shelf, a trip member on the base, means flexibly connecting the trip member and trigger lever, a capturing member supported on the base and coacting with the trip member, link means extending from the capturing member having a hook engageable with said shelf in set position, a detent member for said trigger lever, a lever carrying said detent member, a contractile spring connected to the last mentioned lever and to actuate the same when the trigger lever is released, and means connected to the last mentioned lever engageable with said hook to release said link means when the trap is sprung.

2,002,130
FLUORANTHENE DYESTUFF AND PROCESS OF MAKING SAME
Robert Sedlmayr and Erich Kruta, Aussig, Czechoslovakia
No Drawing. Application March 7, 1932, Serial No. 597,404. In England March 9, 1931
13 Claims. (Cl. 260—64)

1. An article of manufacture utilizable as a vat dyestuff essentially comprising a condensation product of fluoranthene with an anhydride of an aromatic ortho dicarboxylic acid.

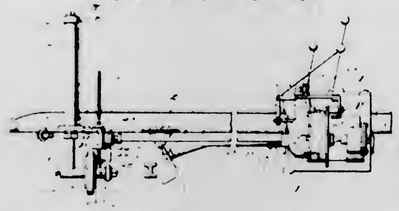
2,002,131
SHUTTLE EYE
Philip L. Spencer, Millbury, Mass., assignor to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application May 27, 1933, Serial No. 673,164
5 Claims. (Cl. 139—217)



1. In a shuttle, a threading block having a longitudinal thread passage therein and having a recess extending upward from the bottom of said block in said passage and closed in part at its upper end, a pair of vertically disposed tension members, a tubular retainer for said tension members slidably insertable in said recess from below, and means to secure said tension members

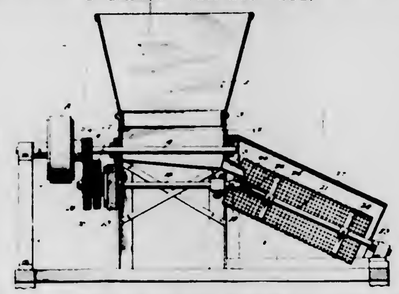
in said retainer and said retainer in said recess, said retainer being formed of thin sheet metal and having elongated thread slots extending downward from the upper edges of opposed wall portions thereof.

2,002,132
PARKING OR DEPARKING MECHANISM
Homer H. Wolfe, Little Rock, Ark., assignor to Automobile Side-Drive Corporation, Little Rock, Ark., a corporation of Arkansas
Application November 19, 1932, Serial No. 643,494
6 Claims. (Cl. 180—1)



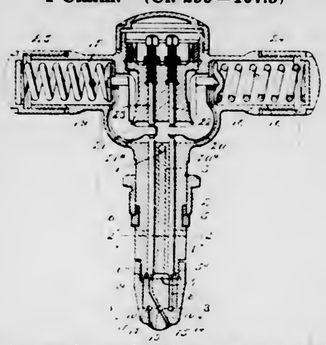
1. In combination with the chassis and front axle of a vehicle, a jacking member carried by the forward portion of the vehicle including a ground engaging dolly wheel, a drive member, driven means operatively engaged with the dolly wheel, means including a manually operated rock lever for connecting or disconnecting the drive member and the driven means, a rock arm carried by the lever, a holding clip pivotally supported by the chassis at a point above the front axle, said clip when in one position engaging beneath the axle to hold the chassis and axle against separating movement, an elongated rod in operative connection between an end portion of the rod and the clip, the opposite end portion of the rod being freely disposed through the rock arm of the lever, retaining members carried by the rod at opposite sides of the rock arm, a coil spring surrounding said rod and interposed between the rock arm and the retaining member on the rod in advance of said rock arm, the operation of the rock arm through the rod making the clip effective when the drive member and driven means are connected and to make said clip ineffective when the drive member and the driven means are disconnected.

2,002,133
APPARATUS FOR SEPARATING OATS FROM HULLS
Louis B. Baumhover, Carroll, Iowa
Application September 8, 1932, Serial No. 632,259
1 Claim. (Cl. 209—284)



An apparatus of the character described comprising a supporting frame, a hopper carried by said frame and having its bottom inclined downwardly and terminating in a discharge spout at one end, a downwardly inclined reticulated separating drum arranged at one side of and below the hopper to receive material discharged through said spout, a driving shaft rotatably mounted and extending through the lower portion of said hopper above said spout, a shaft disposed axially through said drum and carrying the drum, a horizontal shaft disposed below the hopper and having at one end a universal connection with the upper end of the shaft in the drum, and means disposed at the other side of the hopper for transmitting rotary motion from the driving shaft to said horizontal shaft.

2,002,134
FUEL SPRAY INJECTION FOR INTERNAL COMBUSTION ENGINES
Alessandro Baj, Milan, Italy
Application December 8, 1932, Serial No. 646,225
In Italy December 9, 1931
1 Claim. (Cl. 299—107.5)



For internal combustion engines fuel spray injection apparatus of the kind comprising injection needle valves each normally closed by resilient or spring pressure but each adapted to be opened by increase of the liquid pressure of the fuel upon the valve and each delivering to the engine, by one or more spray orifices; said injection apparatus characterized by a plurality of such injection valves consisting of separate needle rods spaced apart from each other to slide independently along spaced-apart ways to operate with independent actions, all of such valve needles being subject at all times to the same fuel pressure, but having their resilient closing means constructed differently to allow successive independent opening of the several valves as the fluid-fuel pressure increases, and the several spaced-apart valve needles having separate stop means limiting the successive openings of each of the valve needles to a very short movement adequate for injection purposes when open and thereby affording independent instantaneous closing of the respective valves upon decrease of fuel pressure, and means for finely and independently adjusting the stop means for each of the valve needles to limit minutely and accurately the extent of opening of each of the valves.

2,002,135
ELECTRIC FISHING LURE
Raymond L. Barton, San Diego, Calif.
Application July 22, 1930, Serial No. 469,759½
20 Claims. (Cl. 43—44)

19. In an electric fishing lure having an electric lamp and a battery arranged therewithin, a

spring tending to normally keep the battery and lamp out of circuit conducting relation with each



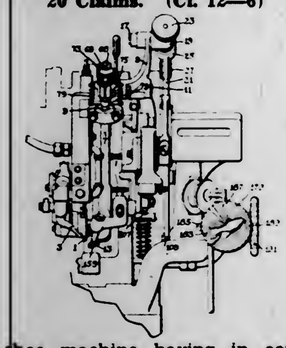
other, and means to manually bob the lure whereby to close the circuit to the lamp against the opposition of said spring.

2,002,136

SHOE SEWING MACHINE

Arthur Bates and Frank Coleman Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application September 12, 1933, Serial No. 689,097
In Great Britain October 21, 1932
20 Claims. (Cl. 12—6)



1. A shoe machine having in combination, mechanism for progressively securing successive portions of a shoe upper and a sole together, an upper tensioning gripper acting in time with the securing mechanism to seize successive portions of the shoe upper preparatory to each securing operation and means driven by the securing mechanism to prevent the gripper from seizing the upper during a predetermined number of successive operations of the securing mechanism adjacent the heel end of shoe and to cause the gripper to be rendered operative along other portions of the shoe.

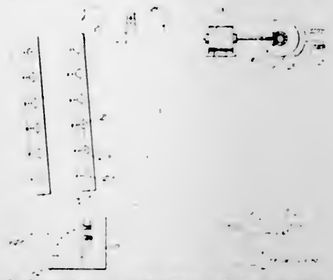
2,002,137

WARPING CREEL THREAD STOP

Alexander Bruenn, New York, N. Y.

Application February 2, 1933, Serial No. 654,939
4 Claims. (Cl. 28—51)

1. An automatic stopping mechanism for warping machines, comprising creel spools, a winding beam, separate electro-magnetic brakes for each spool and for the beam, a bridge supported on each thread being wound under tension from the creel spools onto the beam, a normally closed electric circuit, a normally open magnetizing circuit connected to the electro-magnetic brakes, short-circuiting terminals connected across the



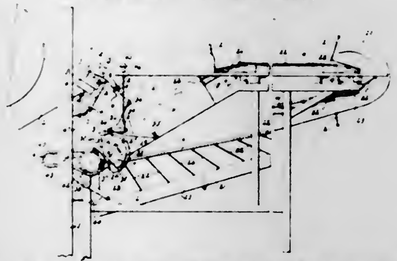
closed circuit and disposed adjacent to the bridge, whereby, when a bridge is released by the breaking of a thread, the short-circuiting terminals are bridged, the normally closed electric circuit is opened and the magnetizing circuit is closed to apply the brakes to the spools and the beam.

2,002,138

LOT OR BUNDLE ASSORTER FOR IRONING MACHINES

Forrest J. Couch, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Original application November 3, 1930, Serial No. 493,050. Divided and this application April 5, 1933, Serial No. 664,581
4 Claims. (Cl. 198—158)



1. A conveyor, comprising an endless belt having pivoted plate members thereon arranged to form a conveyor bottom for the upper lap of the belt but not for the return lap thereof, some of said pivoted plate members being angular in form to provide compartment forming partitions, and other of said plate members being solely bottom-forming members.

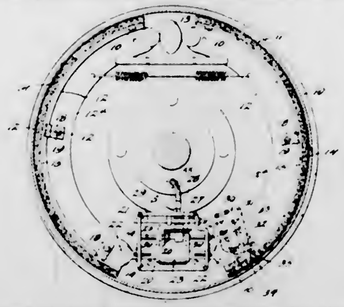
2,002,139

AUTOMATIC BRAKE ADJUSTING AND INDICATING MECHANISM

John B. Des Rosiers, Providence, R. I.

Application January 27, 1933, Serial No. 653,874
21 Claims. (Cl. 188—79.5)

1. In brake mechanism of the kind described, a brake drum, a brake shoe therein provided with a lining, means for moving the brake shoe toward the drum to apply the brakes, a control lever pivotally connected to said shoe and having one end arranged to engage the drum and cause gradual movement of the lever about its pivot as the brake shoe is moved against the drum and as the brake lining gradually wears away, and mechanism controlled by the movement of said lever about its pivot for gradually adjusting the brake



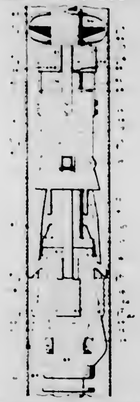
shoe toward the drum to compensate for the wear on the lining.

2,002,140

WELL EQUIPMENT

Stephen V. Dillon, Tulsa, Okla.

Application August 19, 1932, Serial No. 629,542
20 Claims. (Cl. 103—219)



2. An anchoring device for use in securing an elongated internal member to the surface of a bore, comprising a sleeve and a wedge block mounted on the internal member, said member being movable relatively to the sleeve and wedge block, slips carried by the sleeve and cooperating with the wedge block for interlocking the latter with the surface of said bore, and means interlocking the sleeve and wedge block to the internal member for preventing movement of the wedge block in either direction axially of said bore and for preventing the internal member from rotating a complete revolution relatively to said wedge block.

2,002,141

CLAMP

William C. Dumke, Chicago, Ill.

Application December 15, 1933, Serial No. 702,628
17 Claims. (Cl. 24—19)

1. A clamp comprising a band, a bearing at one end portion thereof, a screw directed through the bearing toward the other end portion, a shoe receiving the other end portion of the band, means to anchor such other end portion to the shoe, a nut opposite the shoe and receiving the screw, the bearing comprising a doubled formation of the affected end portion, an arched reinforcement fitted over the formation, the latter and the reinforcement being transversely perforated



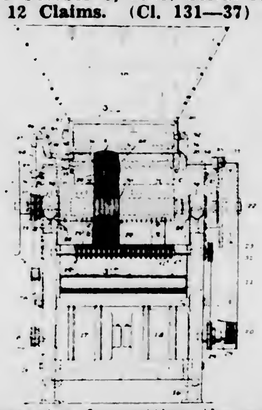
for the free passage of the screw shank, and foot portions extended outwardly from the reinforcement and longitudinally of the band.

2,002,142

CIGARETTE WRAPPER CUTTING MACHINE

Charles H. Gibson, Laurence E. Downs, and Christian J. Fuse, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y., a corporation of New Jersey

Application October 6, 1933, Serial No. 692,542
12 Claims. (Cl. 131—37)



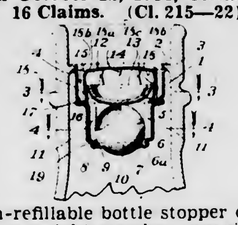
1. In apparatus for cutting the wrappers of cigarettes, a cutter, a rotary member having a guide to receive and advance cigarettes to said cutter, and means adjacent said guide to bend the cigarettes therein to cause the portions of the wrappers to be cut to be under tension when they reach the cutter.

2,002,143

NONREFILLABLE BOTTLE STOPPER

Joseph Harry Gruver, Catonsville, Md., and James H. Baldwin, New Milford, Conn., assignors to Container Fitments Inc., New York, N. Y., a corporation of Maryland

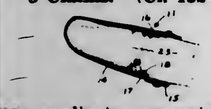
Application October 12, 1934, Serial No. 748,142
16 Claims. (Cl. 215—22)



1. A non-refillable bottle stopper comprising a float valve, a weight member engaging the float, said weight member being adapted to pivot on its edge, and guide means flaring outwardly towards the mouth of the bottle and upon which the edge of the weight member bears, said out-

wardly flaring guide means insuring that the portion of the edge of said weight upon which it pivots shall tend to move further away from the float which is engaged by the weight than any other portion of the weight, when the bottle is in substantially horizontal position, thereby keeping the force of the weight against the float.

2,002,144
APPLICATOR
Wilma O. Heaton, Oakland, Calif.
Application March 8, 1934, Serial No. 714,550
8 Claims. (Cl. 132—1)



1. A rouge applicator comprising a finger cot of flexible and elastic material for mounting in stretched condition on the outer end portion of a person's finger; the cot wall being imperforate and smooth and relatively thin at its rounded end portion whereby the sense of touch of a finger tip therein is arranged to be operative therethrough with a minimized degree of interference therewith.

2,002,145
METHOD OF CLEARING THE CONTENTS OF FERMENTATION AND STORAGE CONTAINERS
Gottfried Jakob, Perlach, near Munich, Germany, assignor to Chemische Werke Marienfelde Aktiengesellschaft, Berlin-Marienfelde, Germany
No Drawing. Application April 19, 1932, Serial No. 606,285. In Germany April 23, 1930
1 Claim. (Cl. 210—1)

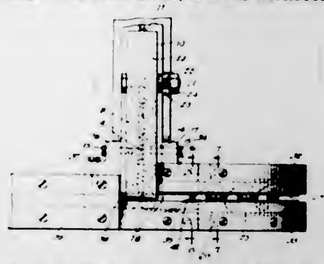
The method of clarifying liquids by binding matter which may be suspended in the liquid, or be precipitated from the liquid and thus become suspended therein, comprising comminuting wood whose specific gravity is so related to that of pitch that a particle of the wood, when coated with pitch, descends slowly in the liquid to be clarified, coating the particles with pitch, and throwing them into the liquid from above.

2,002,146
MEAT TREATING METHOD
Lloyd B. Jensen, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 13, 1933, Serial No. 651,627
11 Claims. (Cl. 99—11)

1. In the curing of meat the steps of adding to the meat a compound which is to be converted to a reducing agent by the action of certain enzymes present in said meat and subjecting the meat to the action of a color fixing curing agent.

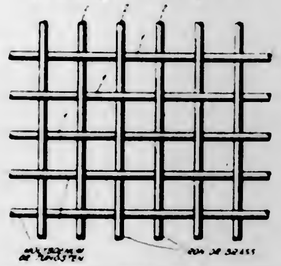
2,002,147
APPARATUS FOR ARRANGING AND FEEDING IRREGULAR SHAPED ARTICLES
Daniel L. Jordan, Bridgeport, Conn., assignor to Clark Metal Products, Inc., Bridgeport, Conn., a corporation of Connecticut
Application May 21, 1934, Serial No. 726,761
5 Claims. (Cl. 193—43)

1. A feeding apparatus for irregular shaped articles including a base and a non-centralized projection on said base, comprising a slideway having a slot in which said projection is adapted to move, a second slideway having a slot in which said projection is adapted to move, feed means between said slideways having a passage communicating with said slots, a feed member mov-



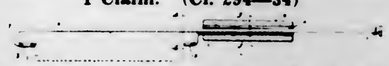
able in said passage, adapted to feed said articles to said second slideway, and camming means in relation to said passage adapted to contact the base of said articles as they are moved in said passage to turn said articles into a predetermined position.

2,002,148
METHOD OF MAKING GRID ELECTRODES
Leonard Klinkert, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1934, Serial No. 716,367
In the Netherlands March 22, 1933
3 Claims. (Cl. 140—71)



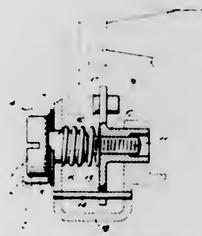
1. The method of making grid-like electrodes for thermionic tubes which consists in winding a series of substantially parallel suitably spaced grid wires about a plurality of vertical support rods, interweaving said grid wires with a plurality of wires arranged in parallel relation to the support rods in order to maintain the grid wires in fixed spaced relation during manufacture, and then removing said spacing wires by chemical means.

2,002,149
DISH OR PAN LIFTER
Herbert De L. Kneeland, Dundalk, Md.
Application May 28, 1934, Serial No. 728,022
1 Claim. (Cl. 294—34)



A dish lifter comprising a main flat shank bar having an end portion bent downwardly and inwardly and bifurcated to form a dish engaging jaw and having a plurality of rows of notches on its under side, a hollow handle mounted and slidable along said shank bar, a liner in the handle having a dish-engaging jaw depending therefrom to align opposite the first mentioned jaw, said liner being resiliently spaced from the shank bar adjacent the portion depending therefrom and having a plurality of points adapted to engage in the rows of notches and lock therein when the shank bar is weighted or depressed substantially as described.

2,002,150
SPEED REGULATOR
Iner J. Larson, Oaklyn, and John J. Hoehn, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 9, 1932, Serial No. 646,512
3 Claims. (Cl. 188—187)



1. Adjusting means for speed control apparatus comprising an adjusting knob, a spindle mounted upon said adjusting knob, a stop member loosely mounted upon said spindle and rotatable therewith, the adjacent faces of said knob and stop member having inter-engaging teeth and means for yieldably retaining said teeth in engagement.

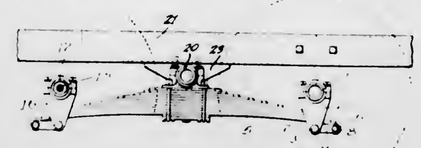
2,002,151
PHOTOGRAPHIC PRINTING APPARATUS AND METHOD FOR ENDLESS SOUND FILMS
John A. Maurer, Jr., New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 19, 1932, Serial No. 593,970
5 Claims. (Cl. 95—75)



1. The method of making sound records in the form of an endless loop having a helical sound-track for film phonographs comprising printing a multiplicity of sequential positives upon a considerable length of film stock, developing the images, separating the individual prints and then joining the two ends of each print by a butt splice.

2,002,152
AXLE MOUNTING
Axel R. Le Moon, Chicago, Ill., assignor to Nelson-Le Moon Truck Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1933, Serial No. 694,793
7 Claims. (Cl. 267—41)

1. In a vehicle, an axle having depending elements constructed to afford a rest or fulcrum for a load carrying spring, a frame structure, a spring extending from said frame structure over said



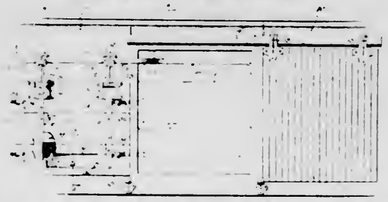
fulcrum, and a shackle connecting the end of the spring with said depending element.

2,002,153
ARTIFICIAL FILAMENT AND METHOD FOR ITS PRODUCTION
William Mendel, Beverly, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application April 13, 1933, Serial No. 665,864
10 Claims. (Cl. 18—8)



7. An improved spinneret for artificial filaments comprising a body portion provided with a relatively large central orifice and relatively narrow slot-shaped orifices extending radially from said central orifice, said slot-shaped orifice having lengths at least equal to the diameter of the central orifice.

2,002,154
GRAIN DOOR
Bowen B. Morse, Manitowoc, Wis.
Application January 18, 1934, Serial No. 707,079
6 Claims. (Cl. 20—23)

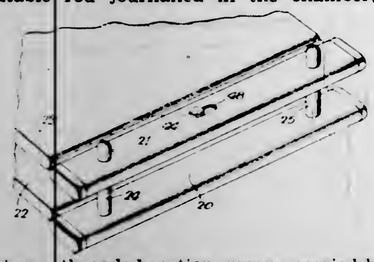


1. In a device of the class described, a body having an opening, a door for said opening, a track secured to the body having a portion extending through the door opening and portions arranged exteriorly and interiorly of the door opening, and means connecting the door with the track for sliding movement in a vertical and horizontal plane through the door opening and swinging movement in vertical planes toward and away from the inner faces of the walls of the opening for contact therewith.

2,002,155
POST BINDER
George W. Newman, St. Louis, Mo., assignor to Loose Leaf Metals Company, a corporation of Missouri
Application March 30, 1934, Serial No. 718,112
5 Claims. (Cl. 129—12)

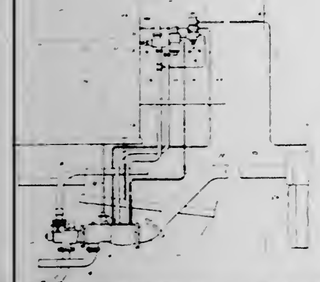
5. A binder, having a bar having sheet-holding posts arising therefrom, a chambered bar

apertured to slide upon the posts, locking means within the chamber for engaging the posts, a rotatable rod journalled in the chamber, and



having a threaded section, means carried by the rod for controlling the locking means, a slidable nut engaging the threaded section, and manually actuated means for moving the nut.

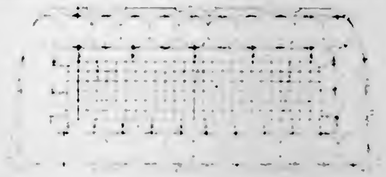
2,002,156
EXHAUST STEAM INJECTOR
Emanuel Rawson, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y.
Application March 7, 1934, Serial No. 714,384
19 Claims. (Cl. 103—265)



1. In a feed water system including an exhaust steam injector for supplying water to a steam generator which supplies steam to a steam consumer, said injector being of the type adapted to be operated by auxiliary live steam when exhaust steam from said consumer is not available, a control system for changing from exhaust steam to auxiliary live steam operation including a valve for controlling admission of auxiliary live steam to the injector, a connection providing a path for flow of pressure fluid from a source of relatively high pressure to a zone of relatively low pressure, means responsive to variations of pressure in said connection for controlling the position of said valve, valve means for controlling flow through said connection for varying the pressure therein, and means responsive to variations in the pressure of steam supplied to said consumer for operating said valve means.

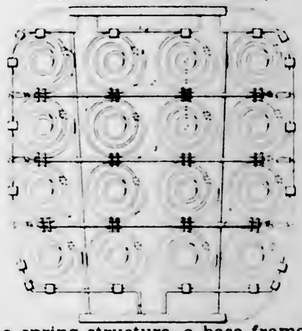
2,002,157
SPRING STRUCTURE
Clair S. Reed, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application November 3, 1932, Serial No. 640,996
10 Claims. (Cl. 155—179)

1. In a spring construction, the combination with a flexible upper border frame of wire, of a marginal row of spring coils clipped to and spaced along the inside of said frame, a central supporting surface having sufficient rigidity to maintain substantially a preformed contour during ordinary use, said surface supporting the entire load placed upon the central portion of the construction during use and being suspended from



and in substantially the plane of the top portion of said coils, and resilient means for suspending said central surfaces, said means being spaced along the edges of said surface and being operatively connected to substantially all of said marginal row of coils, whereby the load supported by said surface is distributed uniformly along said upper frame.

2,002,158
SPRING STRUCTURE
Clair S. Reed, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application November 2, 1933, Serial No. 696,348
3 Claims. (Cl. 155—179)

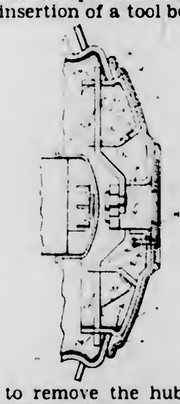


3. In a spring structure, a base frame, an upper frame, rows of springs arranged within and between said frames, strips of fabric of less height than the normal expansion of said springs arranged between adjacent rows of springs, wire members reinforcing the longitudinal edges of said strips of which at least the upper members are flexible, the upper members being terminated short of said upper frame, fastening means piercing said strips and embracing said members securing said strips to said springs to place the same under compression, said means fixedly engaging said strips and slidably embracing said members, and longitudinally extensible resilient members connecting the ends of the upper reinforcing members of said frame.

2,002,159
HUB CAP
Creighton W. Ryerson, Jackson, Mich., assignor to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application February 24, 1934, Serial No. 712,734
4 Claims. (Cl. 301—108)

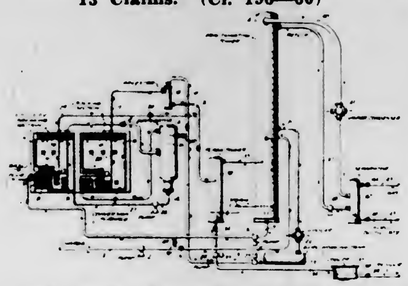
1. In a hub cap of the push-on type, a strong sheet metal body portion partially insertable into

the aperture of the wheel hub and having a face portion for shielding said aperture, a portion of said portion being slightly larger than said aperture to prevent complete insertion of said body into said aperture, a relatively weaker sheet metal face plate overlying said face portion and being attached thereto, the periphery of said plate overlapping said face portion to provide a flange to permit the insertion of a tool between the same



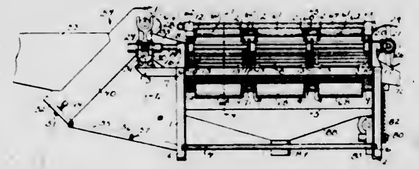
and the hub to remove the hub cap from said aperture, locking mechanism mounted in said body for locking the latter within said hub, the construction of said face plate and attachment with said body being characterized by the fact that attempted removal of the cap through force directed against said face plate while said cap is locked to said hub will only result in the removal or distortion of said plate.

2,002,160
PROCESS AND APPARATUS FOR CONVERTING HYDROCARBON OILS
John Wyckliffe Throckmorton, New York, N. Y., assignor to Gyro Process Company, Detroit, Mich., a corporation of Michigan
Application September 2, 1933, Serial No. 687,986
13 Claims. (Cl. 196—60)



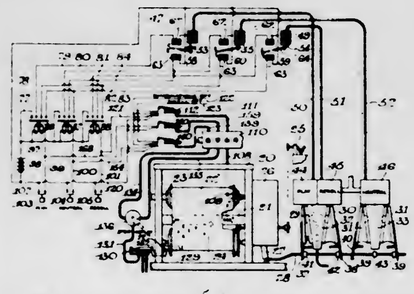
1. The process of converting hydrocarbon oils comprising the steps of charging a mixture of relatively heavy oil and light oil to a primary heating zone and there heating it to a distillation temperature, separating by evaporation the vaporizable and unvaporizable materials in an evaporating zone, cracking the vapors in a secondary heating or cracking zone, and immediately thereafter reducing the temperature of the cracked vapors to below active vapor phase cracking temperature by quenching them with a cooler hydrocarbon, heating in an elongated confined stream the unvaporized oil recovered from the initial separating zone to temperatures sufficiently high to increase the percentage of vaporizable material therein in a tertiary heating or viscosity breaking zone, combining the quenched products discharged from the secondary vapor cracking stage and the bottoms discharged from the tertiary heating stage and flashing the mixture at reduced pressure in a flash zone, diverting the unvaporized oil from the system, subjecting the vapors separated in the flash zone to fractionation in a fractionating zone and condensing the vapors.

2,002,161
CHERRY STEMMER
William E. Urschel, Valparaiso, Ind.
Application March 18, 1932, Serial No. 599,765
10 Claims. (Cl. 146—55)



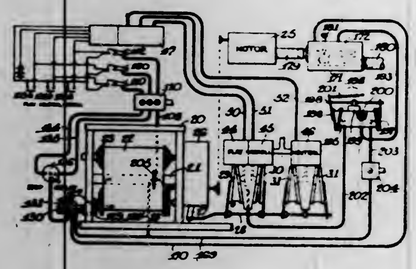
1. A stemming device comprising a drum of rollers between which the stems of fruit project, bearings at spaced intervals about said drum and engaging said rollers to cause them to rotate, and other rollers in juxtaposition to the first mentioned rollers and rotating at a lower speed than said first mentioned rollers, the space between the different rollers being such that the stems of fruit are engaged between said different rollers to assist in the severance of the stems.

2,002,162
MUSICAL INSTRUMENT CONTROLLING MEANS
Edmond Verlinden, Milwaukee, Wis.
Application May 13, 1933, Serial No. 670,821
7 Claims. (Cl. 84—123)



1. The combination of a tracker-box transmission, pneumatically operated devices for shifting said transmission to playing and rerolling positions, a control valve for each of said devices, a pair of electromagnets for each valve to move the valve to alternative positions, and electric circuit means for selectively energizing the electromagnets of one valve and for simultaneously energizing the opposed electromagnet of the other valve, said means including circuit-closing devices for the respective valves, each circuit-closing device having a circuit connection with one electromagnet of the respective valve and with the opposed electromagnet of the other valve.

2,002,163
REBOLLING SPEED CONTROL FOR MUSICAL INSTRUMENTS
Edmond Verlinden, Milwaukee, Wis.
Application May 13, 1933, Serial No. 670,822
10 Claims. (Cl. 84—133)



1. In an automatic musical instrument using a music sheet, the combination of a pneumatic motor for effecting the travel of the music sheet, a throttle valve for said motor having a plurality of air openings through which the air flow divides, a valve member for at least one of said openings, and means controlled by the music sheet for actuating said valve member to vary the speed of the motor.

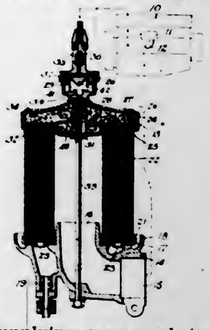
2,002,164
METHOD OF DEVELOPING ORNAMENTAL PLANTS FROM ORDINARY VEGETABLE PLANTS
Miyesaku Uyematsu, Montebello, Calif.
Application January 2, 1934, Serial No. 704,953
3 Claims. (Cl. 47—58)



1. The method of developing ornamental plants from a vegetable plant, which consists in dividing a stalk having a leaf bloom thereon, which stalk is cut from a live vegetable plant, into a plurality of sections one of which includes the bloom, then separately planting each section in moist soil or in water, including the step of treating the center portions only of the planted ends of the divisions of the stalk by applying pieces of material to said portions before the planting thereof.

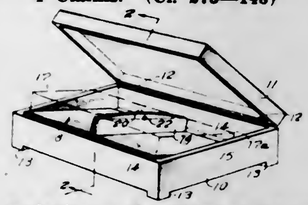
2,002,165
AIR CLEANER
Charles A. Winslow, Oakland, Calif.
Application July 8, 1933, Serial No. 679,593
12 Claims. (Cl. 123—198)

12. In combination, an internal combustion engine having a force feed lubricating system, an air filter for said engine, said filter comprising a filter element, an oil reservoir, means controlled by the operation of the engine for conducting liquid fuel from said system to said reservoir, and



means for supplying measured, isolated quantities of said oil from said reservoir to said filter.

2,002,166
PLAYING CARD CABINET
Julius Bandes and Joseph Bandes, Brooklyn, N. Y.
Application March 30, 1932, Serial No. 601,924
4 Claims. (Cl. 273—148)

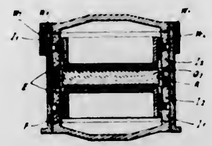


1. In a playing card cabinet of the character described, comprising a main bottom member and a lid therefor, the bottom member being arranged to hold a pair of stacked cards snugly in side by side relation, a removable tray including a partitioning member upon which said independent stacks are arranged to be disposed, said tray and partitioning member cooperating with the confining walls of said bottom member to hold said stacks segregated, said partitioning member of said tray being extended beyond the normal depth of a stack of playing cards to permit facile removal or positioning thereof bodily to a tilted position on one of the side walls of the bottom member, a cross member arranged to be disposed over said cards, and means formed on said partitioning member for removably holding said cross member over stacked decks of cards to either side of said partitioning member, said extended portion of said partition serving as engaging means for removal of the tray and mounting for said cross member.

2,002,167
QUARTZ CRYSTAL OSCILLATOR
Rudolf Bechmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 8, 1933, Serial No. 679,504
In Germany July 22, 1932
16 Claims. (Cl. 171—327)

10. A quartz oscillator comprising a housing completely enclosing a quartz crystal, a central holding ring secured within said housing, a quartz crystal interposed between an upper and lower

electrode, insulating rings spacing said crystal and said holding ring from said electrodes, means for flexibly securing said crystal within said housing,

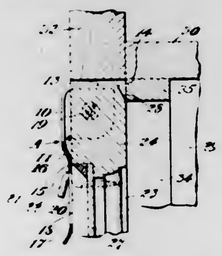


said flexible securing means comprising a plurality of springs having pointed members touching the periphery of said crystal.

2,002,168
STABILIZING CARBON TETRACHLORIDE
Paul S. Brallier, Niagara Falls, N. Y., assignor to Niagara Smelting Corporation, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application April 5, 1933, Serial No. 664,671
2 Claims. (Cl. 23—239)

2. Carbon tetrachloride containing ethyl acetate.

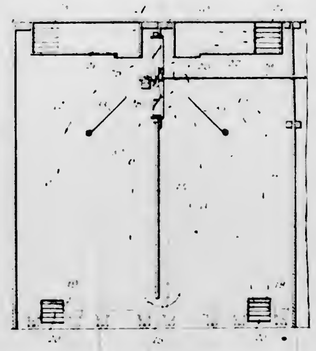
2,002,169
HANGER DEVICE FOR STORM WINDOWS
Peter Vanden Brande, Freeport, N. Y.
Application January 31, 1934, Serial No. 709,100
14 Claims. (Cl. 16—172)



10. An equipment device for storm windows and the like comprising a bell-crank lever forming a hanger member having an attaching portion by means of which it is adapted to be pivotally mounted upon a window frame with an outer bell-crank hanger arm extending downwardly and with an upper bell-crank arm extending within the window frame, and disconnectible connecting means between the lower end portion of said outer hanger arm and a storm window sash adapted for removably and replaceably supporting said sash on said hanger member.

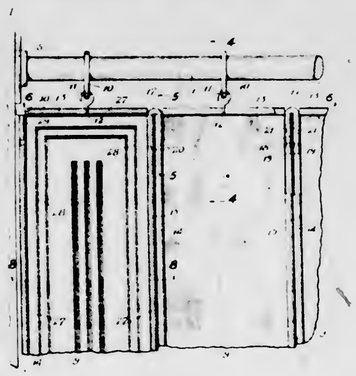
2,002,170
DRYING APPARATUS
Guido E. Barozzi, Woodcliff, N. J.
Application October 27, 1933, Serial No. 695,475
3 Claims. (Cl. 34—19)

1. A drying apparatus comprising a pair of chambers divided by a central wall having openings at opposite ends so that said chambers communicate with each other at each end, reversible means for producing a current of air mounted in one of said openings, means allowing admission of air but preventing expulsion of air from the chambers mounted in each chamber at the end adjacent said current producing means, other means allowing admission of air but preventing expulsion of air from the chambers mounted in



each chamber adjacent the other end, said chambers each having an opening allowing passage of air in either direction at the end of the chamber remote from said current producing means.

2,002,171
WINDOW CURTAIN
Thomas F. Byron, Cleveland, Ohio
Application February 26, 1934, Serial No. 712,926
20 Claims. (Cl. 156—16)

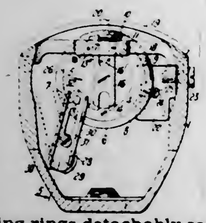


1. A hinge for relatively pivoted curtain panels comprising laterally-opposed tubular members, and a U-shaped bearing whose respective legs are disposed within said members with a turning fit.

2,002,172
LOCK-STITCH SEWING MACHINE
Herbert Corrall, Helensburgh, and James Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 25, 1933, Serial No. 686,666
In Great Britain September 12, 1932
10 Claims. (Cl. 112—181)

1. In rotary hook mechanism for lock-stitch sewing machines, a rotary hook and a bobbin-case journaled therein, said hook and bobbin-

case comprising body members and complementary bearing rings detachably secured each to a respective one of said body members.



2,002,173
CAN PUNCH
Bernard E. Dougherty, Seattle, Wash.
Application February 6, 1934, Serial No. 710,037
11 Claims. (Cl. 164—120)



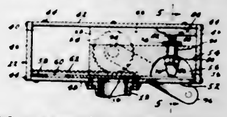
1. A can punch comprising a rotatable member having a puncture point at the end thereof, and a bracket having a fulcrum thereon for the rotatable member, the bracket having a tooth for engaging the flange of a can to be punctured, the puncture point lying in advance of the tooth and fulcrum and the distance from the fulcrum to the tooth being great enough that the fulcrum will lie above the top of the flange of a can to be punctured when the tooth has engaged the flange, and the bracket being freely pivoted at the fulcrum so that the parts will assume such position upon application to a can, and thus the reaction of the member on the fulcrum acts to draw the tooth into engagement with the flange of a can being punctured.

2,002,174
COLORED RUBBER PRODUCT AND PROCESS OF PREPARING IT
Heinz Eichwede, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 21, 1933, Serial No. 703,488. In Germany December 23, 1932
6 Claims. (Cl. 18—50)

6. Colored rubber products containing a water-insoluble disazo-dyestuff derived from 3.3'-dichloro-4.4'-diamino-diphenyl and 1-phenyl-5-pyrazolone-3-carboxylic acid-ethyl-ester.

2,002,175
FLUID PRESSURE DISPENSING MACHINE
Jack I. Gantz, Los Angeles, Calif.
Application June 8, 1934, Serial No. 729,599
8 Claims. (Cl. 107—8)

2. In a dispensing machine, a measuring device comprising a casing provided with a material inlet and with a material discharge opening, a measuring member provided with a material measuring cavity mounted in said casing to reciprocate for bringing said cavity alternately into alignment with said inlet opening and with said discharge opening, a cut-off device and means for simultaneously reciprocating said cut-off device and said measuring member in opposite directions whereby the cut-off device closes the inlet opening as said cavity moves from alignment therewith and uncovering the discharge opening as said cavity comes into registration therewith.



2,002,176
GYPSUM PLASTER AND METHOD OF MANUFACTURING SAME
Joseph G. Gustafson, Midland, Calif., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 3, 1934, Serial No. 709,594
3 Claims. (Cl. 106—34)

1. The method of manufacturing calcined gypsum of high consistency, which comprises calcining a mass of ground raw gypsum mixed with 0.00048% to 0.096% of paraffin.

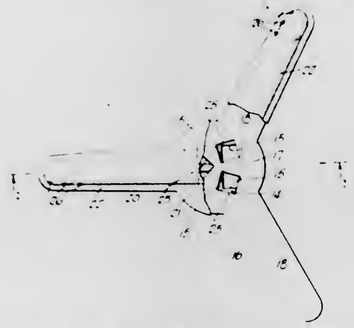
2,002,177
ELECTRIC PLUG AND SOCKET
Harold P. Hastings, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application June 7, 1930, Serial No. 459,657
9 Claims. (Cl. 173—328)



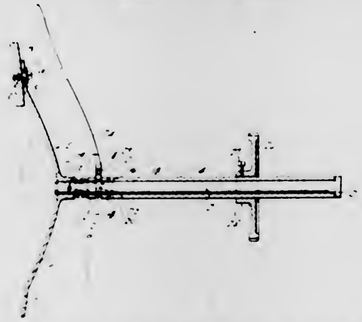
1. In an electric plug and socket, the combination of a socket member having terminals therein, and a plug member movable into and out of the socket and having terminals for coacting with the former terminals, a stop member for preventing the withdrawal of the plug member from the socket member when the terminals are separated, and before the plug and socket members are separated, the stop member being movable about its axis for releasing the plug member from the stop member to permit complete withdrawal of the plug member, and means for preventing turning of the plug member relative to the socket member during the insertion and withdrawal of the plug member and during the turning of the stop member.

2,002,178
SPRINKLER
Henry L. Henry, Piru, Calif., assignor of one-half to Floyd S. Warring, Piru, Calif.
Application January 16, 1933, Serial No. 652,069
1 Claim. (Cl. 299—18)

A sprinkler comprising a tubular body having a portion formed for connection with a water inlet pipe and having a circular enlarged portion providing an external annular shoulder, said circular enlarged portion being terminated by a transversely disposed wall, said wall having a series of substantially square apertures, a plate mounted for rotary movement on said wall and having a series of substantially square apertures so arranged with respect to said wall apertures that during rotation of the plate each of the plate apertures will overlap one of the wall apertures from a minimum to a maximum and then vice versa, a plurality of distributing arms carried by the plate, there being one thereof for each plate aperture, a hub rotatably fitted over said circular enlarged portion of said tubular body and attached to said plate, and means cooperating with said annular shoulder and with the hub for maintaining the parts in operating relationship.



2,002,179
TRACTOR ATTACHMENT FOR BROADCAST SEEDERS
Charles A. Hitchcock, Pana, Ill.
Application July 28, 1933, Serial No. 682,647
1 Claim. (Cl. 74—15)



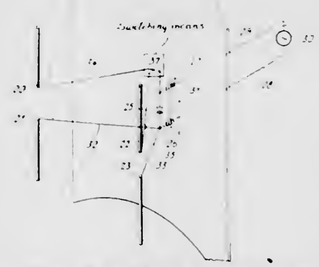
In a device of the kind described, a wheel spider including arms radially extended from a central hub and having means for adjustable attachment to the predetermined outer side of a tractor wheel having a hub, the arms being formed arcuately towards their hub so as to support that hub outwardly of and in axial alignment with the hub of the tractor wheel, a shaft rigidly and axially extended from the hub of the spider the same having a diametrically enlarged head at its outer end, a sleeve journaled freely on the shaft and having a rotative bearing at its outer end against the shaft head, the inner end of the sleeve being spaced somewhat from the spider hub and formed with clutch teeth therearound, a clutch collar slidably keyed on the inner end of the shaft between the sleeve and the spider hub the collar having teeth adapted to mesh with the teeth of the sleeve and having an annular race formed exteriorly thereof, an expansion coil spring on the inner end of the shaft between the clutch collar and spider hub for normally urging the clutch collar into engagement with the said sleeve, and a shifter fork engaged by the said race of the clutch collar as means for releasing the clutch from the sleeve.

2,002,180
CASE HARDENING COMPOSITION
Artemas F. Holden, New Haven, Conn.
No Drawing. Application December 15, 1932, Serial No. 647,413
4 Claims. (Cl. 148—15)

2. A case hardening composition comprising the fusion of nine parts sodium cyanide, six parts barium chloride, eight parts barium carbonate, two parts calcium fluoride, said parts being designated by weight.

4. A fused salt bath for case hardening consisting of a mixture of alkali metal cyanide in an amount sufficient to impart case hardening characteristics to the bath, calcium fluoride, and a barium salt in an amount sufficient to render the bath fluid at relatively low temperatures.

2,002,181
TRANSMITTER
Waldemar Ilberg, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 7, 1931, Serial No. 549,193
In Germany October 29, 1930
3 Claims. (Cl. 250—11)

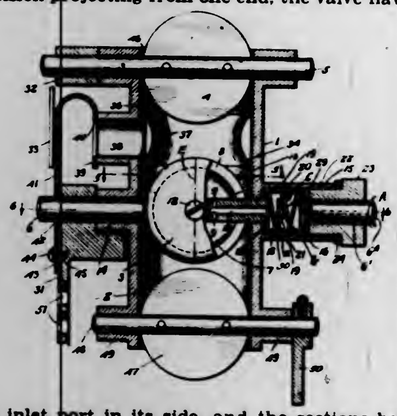


3. An ultra short wave transmitting system having, in combination, two antenna systems, a single reflector surrounding at least partially said systems for causing said systems to radiate in different directions, each of said antenna systems being located out of the focal line of said reflector, and means for alternately energizing said two systems.

2,002,182
VALVE
Guy L. Kennedy, New York, N. Y., assignor to Ken-Crip Corporation, New York, N. Y., a corporation of New York
Original application January 5, 1925, Serial No. 687. Divided and this application August 13, 1925, Serial No. 49,964. Renewed February 17, 1933
5 Claims. (Cl. 251—102)

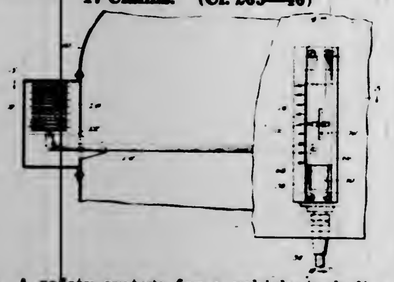
4. A rotary regulating valve, comprising separate sections, each section having an axial ex-

tension projecting from one end, the valve having



an inlet port in its side, and the sections being longitudinally adjustable.

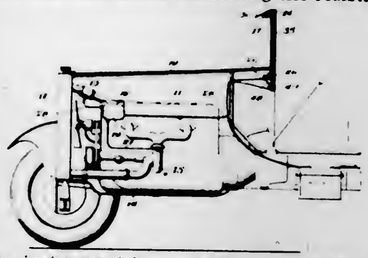
2,002,183
COMBINATION THERMOMETER AND HYDROMETER
George H. Lecarpentier, Chicago, Ill., assignor, by direct and mesne assignments, to Albert G. McCaleb, Evanston, Ill.
Application February 6, 1930, Serial No. 426,210
17 Claims. (Cl. 265—46)



1. A safety system for a vehicle including an engine having a circulating cooling system, an auxiliary circulating system, a chamber in said system, a hydrometer in said chamber, a vertically slidable panel mounted in front of said hydrometer chamber, said panel having a reading aperture, a thermostatic unit mounted on the outside of the vehicle, and an operating lever for said panel actuated by said thermostatic unit.

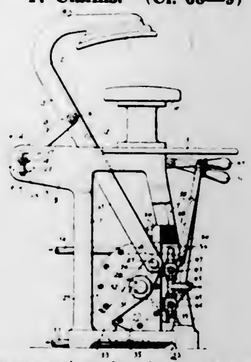
2,002,184
ANTIFREEZE INDICATOR
George H. Lecarpentier, Chicago, Ill., assignor, by direct and mesne assignments, to Albert G. McCaleb, Evanston, Ill.
Application January 2, 1931, Serial No. 506,190
8 Claims. (Cl. 177—311)

1. A freezing hazard indicator comprising, in combination, a hydrostat exposed to, and moving in response to variations in the specific gravity of, liquid in a circulating system, a thermostat exposed to, and moving in response to variations in, prevailing atmospheric temperature, a pair of independent circuit controlling resistances, operating means connecting the hydrostat with one of said resistances for varying the resistance in response to changes in specific gravity of the liquid, operating means connecting the thermostat with the other resistance for varying the resistance in response to changes in atmospheric temperature, an electrical indicating instrument, a source of current, and means including conductors connecting the source, instrument, and circuit controlling resistances in circuit, the conductors connecting the resistances



to the instrument in opposed circuit relationship as regards the control of the instrument by the hydrostatically controlled resistance and the thermostatically controlled resistance in response to increase of specific gravity and increase in temperature, respectively.

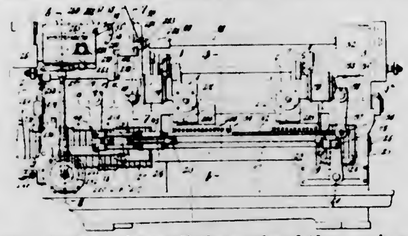
2,002,185
GARMENT OR IRONING PRESS
James Camrod Ledbetter, Jackson Heights, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 26, 1930, Serial No. 463,850
17 Claims. (Cl. 68—9)



1. In a garment or ironing press, a frame and coacting press jaws thereon, operating means therefor including an upright one end of which is attached to one jaw, a crank having one end thereof attached to the other end of the upright, motor means connected with the crank, means disposed intermediate the upright ends and above the motor means and swingably mounting the upright in the frame for bodily shiftable motion therein to actuate the attached jaw vertically and laterally in relation to the other jaw, said crank including a balancing arm extending out from the motor means, and a counter weight carried on the outer end of the balancing arm beyond the crank to equalize the weight of the upright and the movable press jaw.

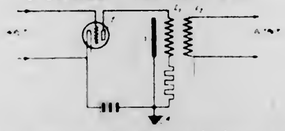
2,002,186
END FACING AND CENTERING MACHINE
John E. Lovely, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application March 24, 1933, Serial No. 662,482
14 Claims. (Cl. 29—27)

1. A machine for preparing work to be turned between centers, comprising a pair of spaced rotary end facing tools, a pair of oppositely disposed center drills in fixed transverse relation to said tools, a movable work carriage, means on said carriage to grip work, means for moving said carriage to pass work thereon between said



facing tools to face off the ends of the work and reduce it to a predetermined length and then to present the work between said drills, means for then actuating said drills to center drill the work, and mechanism for automatically actuating said means in timed relation.

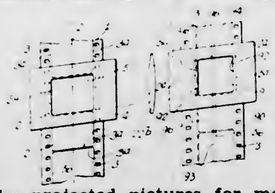
2,002,187
HIGH FREQUENCY COUPLING TRANSFORMER
Klaas Posthumus, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1930, Serial No. 482,196
In the Netherlands October 25, 1929
6 Claims. (Cl. 178—44)



1. In an electrical transmission system, a source of high frequency energy, a load circuit, and a transformer coupling said source and load, a resistor in series with the primary winding of the transformer, said resistor having a value equal to the surge impedance of the primary winding regarded as a transmission line, and the secondary winding of the transformer being constructed to be resonant at a relatively small natural wave-length, said transformer thereby being adapted to transmit with relatively great current intensity all frequencies below a frequency at which said primary winding has an electrical length of one wave length, and a resistor having a valve equal to the surge impedance of the secondary winding connected in series with said secondary winding at each end thereof.

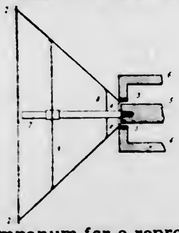
2,002,188
METHOD AND APPARATUS FOR FORMING SOUND MOTION PICTURE RECORDS
Oscar A. Ross, New York, N. Y.
Application August 17, 1929, Serial No. 386,663
6 Claims. (Cl. 88—24)

1. The method of printing sound picture films from printing picture films having the printing pictures substantially equally spaced between the perforations which involves, advancing a printing picture film and a perforated light sensitive sound picture film in printing relation, optically projecting pictures of the printing film as pictures of the same size at the light sensitive film as the films advance, off-setting the longitudinal axis of the projected pictures with respect to the axis of the light sensitive film whereby one longitudinal edge portion thereof overlap one row of the perforations of the film and also provides a sound track space between the printed pictures and the other row of perforations, masking off the overlapping por-



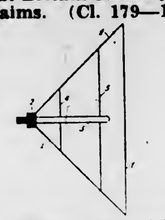
tion of the projected pictures for moving the margin of the printed pictures inwardly of the perforations, and utilizing the sound track space for recording records corresponding to sound thereonto.

2,002,189
ACOUSTIC DEVICE
Henry Joseph Round, London, and Noël Meyer Rust, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 17, 1928, Serial No. 270,683
In Great Britain April 22, 1927
16 Claims. (Cl. 179—115.5)



9. A cone tympanum for a reproducer comprising a cone, a support for the cone near the apex end thereof, and means for supporting the cone near the base from the inside of the cone.

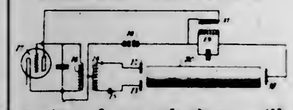
2,002,190
ACOUSTIC DEVICE
Henry Joseph Round, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1928, Serial No. 329,467
In Great Britain January 7, 1928
9 Claims. (Cl. 179—115.5)



1. An acoustic device comprising a large area conical diaphragm, a plurality of spiders having substantially spiral arms for supporting said diaphragm.

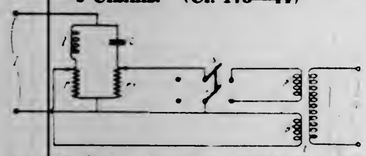
7. A spider member for supporting a diaphragm from a supporting structure comprising a flexible sheet metal member provided with an inner portion for engaging said supporting structure, an outer portion for engaging said diaphragm, and a plurality of arms interconnecting said portions.

2,002,191
OSCILLATION GENERATOR
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 28, 1929, Serial No. 402,962
In Germany November 2, 1928
5 Claims. (Cl. 250—36)



1. In a system for producing oscillations, an electron discharge device having input and output circuits, said device acting to amplify electrical oscillations applied to the input circuit thereof, a condenser arrangement comprising two capacities, one capacity being connected across said input circuit and the other capacity being inductively coupled across at least a portion of said output circuit, and a common vibratory body between the armatures of said two capacities, a constant source of potential across the armatures of said two capacities for creating an electric field across said armatures and through said vibratory body, said vibratory body being arranged when in a state of oscillation to produce a variation in potential across the armatures of that capacity which is connected across said input circuit for varying the potential of said input circuit, said variation in potential being amplified by said device to cause a variation in potential across said other capacity.

2,002,192
ELECTRICAL CIRCUIT ARRANGEMENT
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application December 18, 1931, Serial No. 581,930
In Great Britain December 24, 1930
9 Claims. (Cl. 178—44)



8. An equalizer circuit comprising a substantially constant impedance overall non-reactive network to which input voltages of different frequencies are applied, said network comprising a series branch including inductance and capacity in series, and a parallel branch including inductance and capacity in parallel, said branches being designed to be resonant at a frequency within a predetermined range of applied frequencies, and means for combining the resultant voltages set up in said branches.

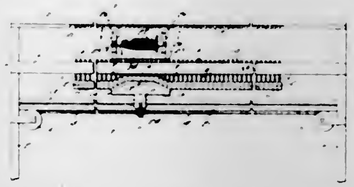
2,002,193
HIGH FREQUENCY NETWORK
Bernardus Dominicus Herbertus Tellegen, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1931, Serial No. 571,510
In the Netherlands April 25, 1931
3 Claims. (Cl. 178—44)

1. A high frequency coupling network, adapted for coupling a preceding source of high frequency signal energy to a following high frequency load circuit, said network comprising a pair of resonant circuits each including a coil and a variable tuning condenser, one of said coils being magnetically coupled to the source and the other being magnetically coupled to said load circuit, said variable condensers being adapted for simultaneously and similarly tuning said resonant circuits to a desired signal frequency, and means, providing a purely capacitative coupling between



the resonant circuits which is independent of the tuning of the latter, comprising a fixed condenser, considerably larger than said variable condensers, connected in shunt with the coil and variable condenser in one of said resonant circuits, and a fixed condenser, considerably smaller than said variable condensers, connected between points of the same high frequency potential of the variable condenser, of the other resonant circuit, and the said shunt fixed condenser.

2,002,194
SHUTTLE MOTION FOR LOOMS
Journey F. Timberlake, Charlottesville, Va., assignor of twelve and one-fourth per cent to De Leon A. Prosser, Petersburg, Va., and twelve and one-fourth per cent to John H. Ryalls, twelve and one-fourth per cent to L. G. Wolff, and twelve and one-fourth per cent to R. Winston Dabney, all of Richmond, Va.
Application October 4, 1933, Serial No. 692,172
4 Claims. (Cl. 139—133)



1. A shuttle motion for looms comprising spaced rails, a wheeled shuttle operable between the rails, pins mounted for vertical reciprocation on one of the rails and operatively engageable with certain of the wheels of the shuttle for actuating said shuttle, heads on one end of the pins engageable with the shuttle wheels, weights on the other ends of the pins for returning the said pins to inoperative position by gravity, and means for successively elevating the pins, said means including a track mounted beneath one of the rails, a cam slidable on the track and operatively engageable with the weights, said cam including a substantially channel-shaped face plate engageable with the weights, and means for actuating the cam.

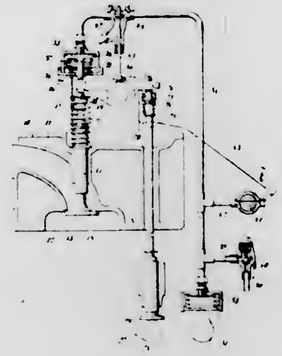
2,002,195
SCARF PIN AND HOLDER
Charles L. Trout, New York, N. Y., assignor to Charles L. Trout as trustee
Application October 18, 1934, Serial No. 748,799
11 Claims. (Cl. 24—49)

10. A cravat holder comprising a pin adapted to be inserted in a cravat, a fastening member for engaging a portion of a garment and a flexible member connecting the head of the pin and the fastening member, said flexible member being in two portions adapted to pass around opposite



sides of a cravat and being connected to the fastening member at a single point thereof.

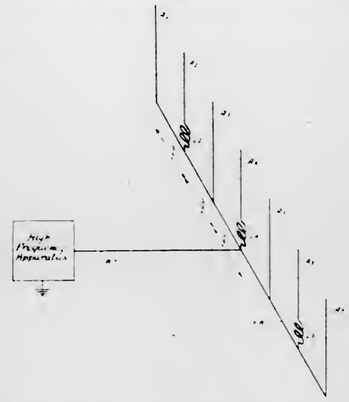
2,002,196
ENGINE BRAKE
Bernard Ucko, North Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application March 9, 1931, Serial No. 521,144
9 Claims. (Cl. 123—90)



1. In combination with an engine having an exhaust valve and a rocker arm for actuating the valve, means to vary the position of the rocker arm to render it ineffective to actuate the valve, a pump, a motor actuated by the pump, and means to cause the motor to open the exhaust valve.

2,002,197
DIRECTIONAL AERIAL SYSTEM
Norman Wells, Sheen, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1931, Serial No. 552,611
In Great Britain August 16, 1930
4 Claims. (Cl. 250—11)

2. An aerial system having, in combination a plurality of parallel vertical spaced aerials, a substantially horizontal feeder system individually connected to said aerials, a single transmission line connected to said feeder system, and reactance means inserted between said horizontal feeder system and alternate ones of said radiating wires whereby a desired phase relationship is ob-



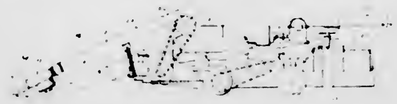
tained, by virtue of their spacing from one another and the value of said reactances.

2,002,198
SURFACE HARDENING METAL ARTICLES
William A. Wissler, Flushing, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application November 19, 1931, Serial No. 576,202
18 Claims. (Cl. 219—10)

1. Process of hard facing a metal article which comprises applying high temperature heat to a surface of said article to superficially fuse the same; melting the more readily fusible matrix portion of a composite welding rod having granular particles of wear-resistant material substantially uniformly distributed in and surface-alloyed to the more readily fusible matrix material; and depositing such molten material and the particles therein onto such superficially fused surface.

9. A composite welding rod comprising particles of wear-resistant material substantially uniformly distributed in and surface-alloyed to a more readily fusible matrix material.

2,002,199
LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1932, Serial No. 592,909
Renewed September 8, 1934
18 Claims. (Cl. 198—9)



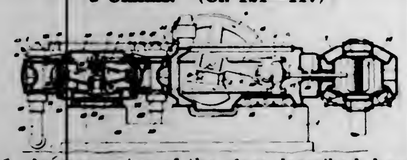
1. In a loading machine, gathering and loading mechanism therefor comprising an apron, a drum carried by said apron for rotation with respect thereto, and a gathering arm pivotally mounted for movement in a plane parallel to the plane of said apron about a fixed axis within the limits of said drum and eccentric of the axis of rotation of said drum.

2,002,200

ENGINE COMPRESSOR ASSEMBLY

Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio

Application October 3, 1931, Serial No. 566,631
3 Claims. (Cl. 121—117)



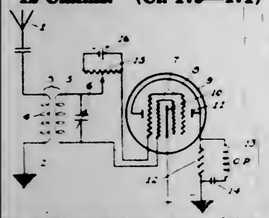
1. An apparatus of the class described, having opposed engine cylinders, pistons for said cylinders, a crosshead interposed between said cylinders, means connecting said crosshead to reciprocate with said pistons, a second crosshead located beyond one of said cylinders, means connecting said crossheads to drive the second from the first, a connecting rod extending from said last mentioned crosshead toward said cylinders, a driven element connected to the end of the connecting rod which is so extended toward the cylinders, and a driven rod extending from said last mentioned crosshead in a direction opposed to said connecting rod.

2,002,201

REGENERATIVE SYSTEM AND METHOD OF OPERATING THE SAME

John Allen Heany and Herbert St. Laurent, New Haven, Conn., assignors, by direct and mesne assignments, to Radio Research Laboratories Inc., a corporation of Delaware

Application August 25, 1931, Serial No. 559,214
12 Claims. (Cl. 179—171)



1. A regenerative system comprising cathanode, cathode grid and anode electrodes immersed in a conductive gaseous medium, input and output circuits for said electrodes, said input circuit comprising a conductive connection from the grid to the cathanode, and said output circuit comprising a conductive connection from the anode to the cathode whereby energy in the output circuit is fed back conductively through the gas filling to the input circuit, and means to provide a positive control for varying the amount of regeneration.

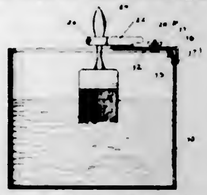
2,002,202

BRUSH HOLDER

John Hein, Ridgewood, N. Y.

Application October 16, 1933, Serial No. 693,788
2 Claims. (Cl. 248—49)

1. In a device of the class described, a brush-holder, comprising two clamping members adapted to engage the vertical wall of a receptacle, the lower one of said clamping members having a horizontal body portion made with two rectangular openings therein, and being at one end formed with an extension bent in a stair-way-like manner and adapted to engage the edge portion of said receptacle, the upper one of said clamping members having also a horizontal body portion, the latter terminating in a rectangular bent end portion adapted for co-operation with said lower member in securing said two members to the edge portion of a receptacle, said upper clamping member being at its forward end portion formed with an opening therein, and at its center portion with an oblong rectangular slot adapted to co-operate with one of the rectangular openings



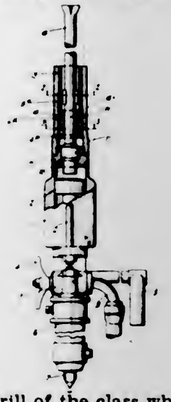
in the lower member, when said members are adjusted, relative to one another, screws mounted in the respective recesses for securing the clamping members together and to the container, co-operating fingers pivotally mounted on top of the upper clamping member and being formed at their forward end portions with curvatures adapted to receive the handle of a brush, a bolt for securing said fingers to the clamping members, and a spring for actuating said fingers during operation.

2,002,203

ROCK DRILL CHUCK

Charles A. Hultquist, Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware

Application August 20, 1930, Serial No. 476,554
4 Claims. (Cl. 308—4)



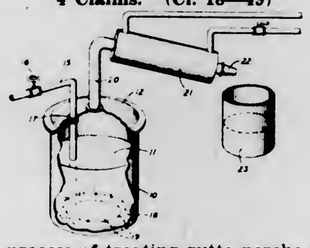
1. In a rock drill of the class wherein there is, a cylinder, an anvil block reciprocally mounted at one end thereof, the combination with said cylinder and anvil block of a cylindrical head extended from said end of the cylinder and secured relative thereto, said head having a tapered bore in substantial alignment with the longitudinal axis of said anvil block and diverging inwardly from its outer end toward the anvil block, and a pair of tapered sleeve members positioned end to end and in abutted relation in the tapered bore and both removable from the inner end of the head, the inner sleeve member being adapted to receive the inner end of a drill steel shank and forming a bearing therefor and the outer sleeve having a special bore and groove portion shaped and arranged to receive a key portion of the shank of the drill steel, the inner end of the inner sleeve having a beveled seat around the drill steel shank adapted to be engaged by the anvil block.

2,002,204

PROCESS OF TREATING GUTTA PERCHA

John H. Ingmanson, Rahway, N. J., and George S. Mueller, Richmond Hill, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 29, 1933, Serial No. 691,510
4 Claims. (Cl. 18—49)



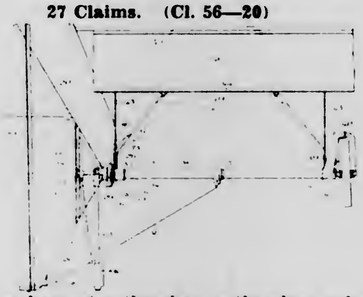
3. A process of treating gutta percha comprising cold leaching the resins from the gutta-hydrocarbon by petroleum naptha, heating the resinous naphtha solution to temperatures not substantially exceeding 100° C. to expel the naphtha, retaining the resulting resinous derivative at about room temperature until a desired amount of albane has precipitated out.

2,002,205

HARVESTER THRESHER

Edward A. Johnston, Chicago, Clemma R. Raney, Riverside, and Arnold E. W. Johnson, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a corporation of New Jersey

Original application October 14, 1926, Serial No. 141,449. Divided and this application June 8, 1933, Serial No. 674,916. Renewed August 13, 1934
27 Claims. (Cl. 56—20)



1. In a harvester thresher, a thresher, a harvester connected thereto and normally extending laterally thereof, means adapting the harvester for folding backwardly in a horizontal plane alongside the thresher, and means for then elevating the harvester upwardly to a position above its cutting range.

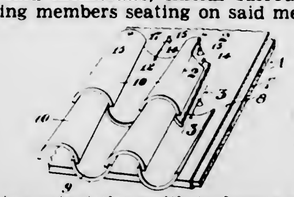
2,002,206

ROOFING TILE FASTENER

Thomas Richard Kobe, Los Angeles, Calif.

Application February 21, 1933, Serial No. 657,750
7 Claims. (Cl. 108—10)

1. In a roof construction including an inclined sub-structure, a water shedding membrane covering said sub-structure, and roofing tile overlying said membrane; fastening members penetrating said membrane and engaging said sub-structure having upper end portions protruding above said membrane, shields surrounding said fastening members seating on said membrane in



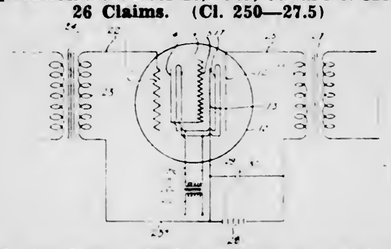
intimate contact therewith to form a water-tight seal around the point of penetration of said membrane by fastening members, means cooperating between said fastening members and shields for retaining the latter in place, and connections between said tile and the protruding upper end portions of said fastening members.

2,002,207

ELECTRON DEVICE

Fred. B. MacLaren, Clifton, N. J., assignor, by mesne assignments, to Revelation Patents Holding Company, a corporation of Delaware

Application December 16, 1929, Serial No. 414,287
26 Claims. (Cl. 250—27.5)



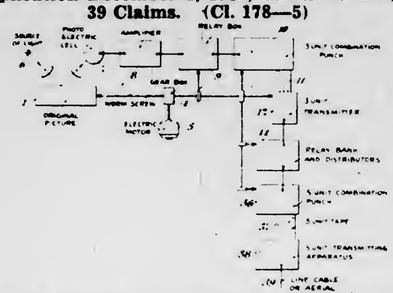
17. An electron discharge device comprising an envelope containing a plurality of triode units, each unit consisting of an electron emission element, a grid element and a plate element, the grid element of one unit being connected to the electron emission element of another unit.

2,002,208

METHOD AND APPARATUS FOR TRANSMISSION OF PICTURES

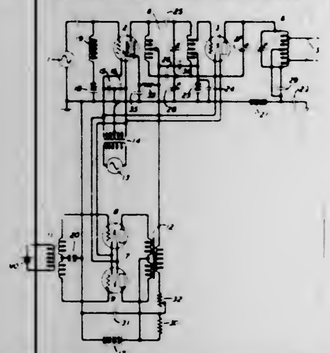
Maynard D. McFarlane, New York, N. Y.

Application December 1, 1931, Serial No. 578,281
39 Claims. (Cl. 178—5)



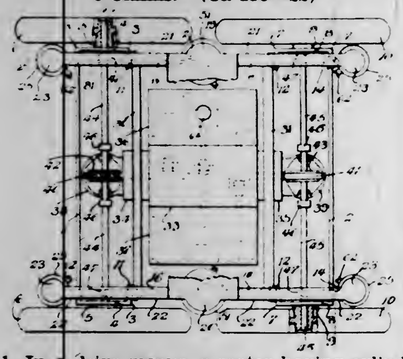
1. The method of transmitting a picture which comprises scanning the picture to obtain signals as to light and shade in one code, and rearranging and transmitting the same said signals as a part of a different code.

2,002,209
MODULATING SYSTEM
John G. Nordahl, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1933, Serial No. 664,292
10 Claims. (Cl. 179—171)



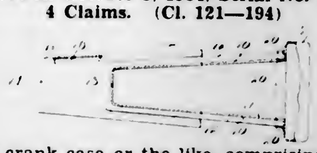
1. A modulating system comprising an electric discharge device, means for impressing a carrier wave upon said device, a transformer, means for impressing a signal wave upon the primary winding of said transformer, a source of direct current, a series circuit including said source of direct current and the secondary winding of said transformer connected between the anode and cathode of said device, and means included in said series circuit for simultaneously varying at different rates the direct current voltage from said source and the signal frequency voltage from said transformer impressed upon said device.

2,002,210
DRIVE AND SUSPENSION MEANS
Adolphe C. Peterson, Minneapolis, Minn.
Application May 1, 1929, Serial No. 359,679
Renewed October 17, 1934
6 Claims. (Cl. 180—22)



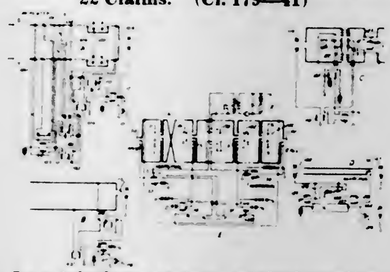
1. In a drive means, a motor having cylinders placed in a horizontal plane and having rigid suspension in a frame and having geared drive means at each end of the motor, a pair of wheels at each end of the frame yieldably mounted relative thereto, a pair of Cardan shafts at one end of the frame having driving connection between one pair of wheels and one geared drive means, and a pair of Cardan shafts at the other end of the frame having driving connection with the other pair of wheels.

2,002,211
MOTOR CRANK CASE OR THE LIKE
Franklin L. Torney, Quincy, Mass.
Application October 5, 1934, Serial No. 747,029
4 Claims. (Cl. 121—194)



1. A crank case or the like, comprising a casing having a base flange including side portions inclined relatively to each other, a closure having a complemental flange including tapering side portions, one of said flanges having a channel for receiving the other flange in sliding relation, packing material located in said channel, the closure being removably engageable with the casing by a sliding movement thereby to wedge the packing in said channel and seal the joint against oil leakage, and fastening means for holding the closure in sealing position.

2,002,212
TELEPHONE SYSTEM
John F. Toomey, New York, N. Y., and Walter E. Hogan, South Boston, Mass., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1933, Serial No. 662,428
22 Claims. (Cl. 179—41)



1. In a telephone system, a telephone line circuit, a cord circuit adapted to be connected thereto, said cord circuit having its talking conductors reversed between its respective ends thereof, and means to connect a simplex circuit over said line circuit comprising a pair of simplex bridges, one of said bridges being connected across said line circuit, the other said bridge being connected between the tip talking conductor at one end of the cord circuit and the tip talking conductor at the opposite end of said cord circuit.

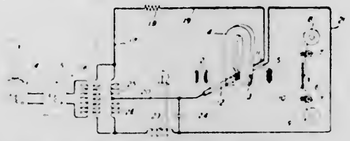
2,002,213
CUP DROPPING MACHINE
Charles F. Adams, New York, N. Y.
Application December 26, 1933, Serial No. 703,873
11 Claims. (Cl. 214—8.5)

1. In a machine the combination of a pair of side frames, a pair of vertical guides extending from the inner face of each of said frames, a rack bar slidably supported in each pair of guides, a main driving shaft journaled in the machine between said frames, a motor supported in the machine, connections between the motor and said driving shaft, a yoke having an elongated opening straddling said driving shaft, means to reciprocate the yoke during the rotations of said driving shaft, a slide block guided in the machine adjacent to its upper end, connecting means between said slide block and yoke, a bracket fastened to each of said rack bars, a segmental lever pivoted to one of said brackets, means at one end of segmental lever coacting with said slide block to swing said segmental lever with reciprocations of said slide



block, a tubular suction head shaft having its end portions journaled in said brackets, a spur gear fastened to said tubular shaft in mesh with the teeth of said segmental lever and suction heads fastened to said tubular shaft.

2,002,214
MODULATING SYSTEM
Walter J. Albersheim, New York, N. Y., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application June 21, 1933, Serial No. 676,889
In Great Britain October 19, 1932
17 Claims. (Cl. 179—100.3)



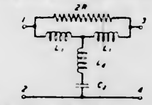
1. In a modulating system, means for projecting a beam of light to a receiving surface, means for producing relative movement between said beam and said surface, means for modulating said beam including a plurality of elements executing reversely symmetrical oscillations having a component of motion in the direction of said relative movement, a source of power for actuating all said elements, and means in the supply circuit of one of said elements to cause said element to oscillate out of phase with another of said elements.

2,002,215
FOLDING CONTAINER
Otto Blitz, Oakland, Calif.
Application June 28, 1933, Serial No. 677,986
14 Claims. (Cl. 229—1.5)



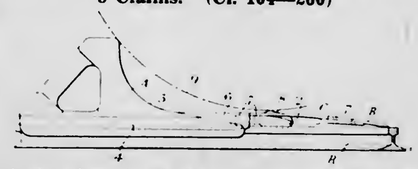
1. A folding container having side wings, said wings being adapted to fold backwardly to positions adjacent one side of the container and bend outwardly at their sides to provide a handle for the container.

2,002,216
WAVE FILTER
Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1933, Serial No. 674,619
7 Claims. (Cl. 178—44)



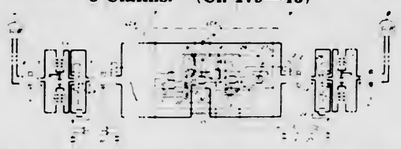
1. A wave filter network comprising three impedance branches disposed in series-shunt relation between a pair of input terminals and a pair of output terminals, said branch impedances consisting of reactance elements proportioned with respect to each other to provide a broad transmission band, and one of said branches including an inductance coil and a capacity adapted by their resonance characteristic to produce an attenuation peak at a frequency close to the edge of said transmission band, and a resistance included in a fourth branch of the network proportioned to compensate the resistance of said inductance coil at the frequency of the attenuation peak whereby the attenuation is made substantially infinite at the peak frequency.

2,002,217
RAILWAY TRACK SKATE
Herbert L. Bone, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 10, 1932, Serial No. 646,644
5 Claims. (Cl. 104—260)



1. A railway track skate comprising a body portion having a stub end, a spring steel tail having one end attached to the upper surface of the stub end of said body portion and its other end resting on the track rail, and a filler block attached to the under surface of said tail and normally spaced from the track rail for supporting the tail while a car wheel is rolling upwardly thereon.

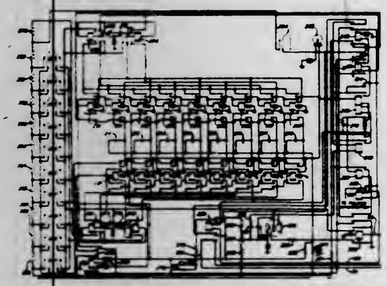
2,002,218
TIE TRUNK LINE
Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1934, Serial No. 740,889
5 Claims. (Cl. 179—43)



2. In a two-way ring-down trunk line having one conductor normally open at one end, means responsive to the establishment of a connection with the line at said one end for closing said open conductor, introducing a condenser in the other

line conductor and connecting a direct current bridge across the line on the switchboard side of said condenser and said point of closure, and discriminating means responsive to the application of ringing current at the distant end of the line for reopening said line conductor, shunting said condenser and removing said bridge and responsive to application of ringing current at the near end of the line for shunting said condenser and removing said bridge only.

2,002,219
TELEPHONE SYSTEM
Thomas L. Dimond, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1934, Serial No. 707,472
18 Claims. (Cl. 179—16)



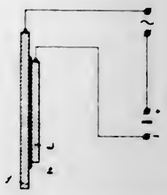
1. In combination, two condensers, means for placing a variable initial charge on the first of said condensers, a circuit for the second condenser, and means for altering the charge on the first condenser by connecting said second condenser alternately in parallel with said first condenser and into said circuit.

2,002,220
SWAGING MEANS
Harry A. Douglas, Bronson, Mich.
Application December 29, 1932, Serial No. 649,285
13 Claims. (Cl. 78—21)



1. In a mechanism of the class described, the combination of radially movable complementary jaws directed toward a common center and in a common plane; a fixed cylinder concentric with said center; slots in the cylinder slidingly receiving said jaws; a guide plate fixed to said cylinder and having portions spaced apart therefrom, said jaws sliding between said cylinder and guide plate; an aperture in said guide plate concentric with said center; an annular cam rotatable on said cylinder and having its inner periphery engageable with the outer ends of said jaws; cam surfaces on said periphery engageable with said outer ends to move the jaws inwardly upon rotation of the cam in one direction; a spring individual to each jaw for urging the jaw to outermost position upon rotation of the cam in the opposite direction; means for rotating the cam; a rotatable arm; a plunger articulated with said arm; a sleeve closed at one end and open at the other, said plunger passing slidingly through the closed end of the sleeve; a head on the plunger within said sleeve; a coil spring surrounding said plunger between said head and said closed end; a block threadedly received in said open end; a rod fixed to said block; a fixed spring barrel receiving said rod therethrough; another coil spring between said block and said spring barrel for urging the rod in one direction; and a treadle articulated with the rod for urging it in the opposite direction.

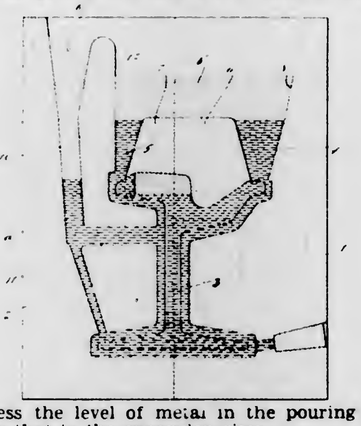
2,002,221
DRY RECTIFIER
Willem Christiaan van Geel and Hendrik Emmens, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application May 1, 1931, Serial No. 534,358
In the Netherlands May 15, 1930
10 Claims. (Cl. 175—366)



1. A dry rectifier comprising a cell consisting of two layers of substances having different electron emissivities, and a very thin non-conductive solid layer interposed between the first-mentioned layers, said solid layer being substantially cold and non-ionized during the operation of the rectifier, said intermediate layer being formed independently of the substance of the outside layers.

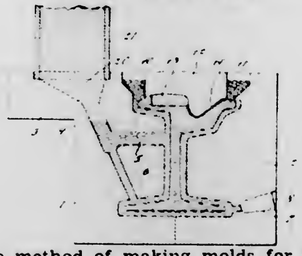
2,002,222
METHOD OF WELDING METAL PARTS
Francis Earle, Montclair, N. J., assignor to Metal & Thermit Corporation, Carteret, N. J., a corporation of New Jersey
Application February 11, 1933, Serial No. 656,231
2 Claims. (Cl. 22—206)

1. The method of welding metal parts, such as the ends of rails, by means of superheated steels produced by the alumino-thermic process, comprising assembling about the parts to be welded a mold having at least one expansion riser and a pouring gate with an outlet into the lower part of the mold cavity and an inlet substantially above the top of the riser, accurately gauging a charge of alumino-thermic material with respect to the mold cavity and riser to produce only enough molten steel to satisfactorily complete the weld desired, igniting the charge, pouring the resulting molten charge into the mold through the pouring gate, and confining in the pouring gate a sufficient static head of slag to



depress the level of metal in the pouring gate below that in the expansion riser.

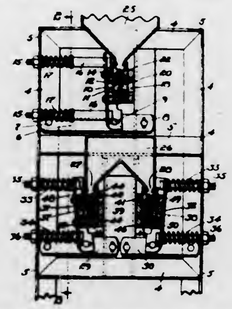
2,002,223
METHOD OF WELDING RAIL JOINTS
Francis Earle, Montclair, N. J., assignor to Metal & Thermit Corporation, Carteret, N. J., a corporation of New Jersey
Application February 11, 1933, Serial No. 656,232
2 Claims. (Cl. 22—206)



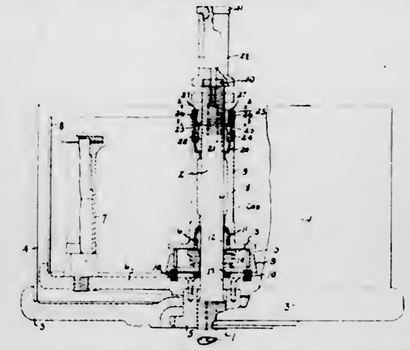
1. The method of making molds for welding rails by superheated molten metal and with minimum interruption to rail traffic, which comprises separately forming complementary lower mold sections to a shape designed to enclose the rail ends and having an open top and cut-out end walls providing an open-ended passage above and lengthwise of the rails to provide clearance for the wheels of traffic thereover, assembling the sections about the ends of the rails, placing vent defining patterns in said open top adjacent the rail heads, compacting readily removable molding material into the open top and in contact with the tops of the rails, and removing said patterns thus completing the mold.

2,002,224
GRINDING MACHINE
David S. Eastwood, Los Angeles, Calif.
Application January 15, 1934, Serial No. 706,638
5 Claims. (Cl. 83—10)

2. In a grinding machine, two jaw members horizontally disposed and having on their adjacent faces, spaced longitudinally thereof, tiers of teeth projecting from said adjacent faces, said teeth being in overlapping relationship to each other as said jaw members are brought together face to face, and means for reciprocating one of said jaw members longitudinally, whereby the teeth in the tiers on one jaw member move laterally back and forth between the teeth of the tiers of the other jaw member.



2,002,225
SERVING HEAD
Charles B. Fantone, Lyndhurst, and Reuben M. Jameson, Teaneck, N. J., assignors to Syncro Machine Company, Arlington, N. J., a corporation of New Jersey
Application July 10, 1934, Serial No. 734,454
17 Claims. (Cl. 117—42)



1. In a serving head as described, a rotatable shaft, a cop spindle rotatably mounted on the shaft and spring pressed means acting on the cop spindle in opposition to subject it to substantially constant resistance to rotation on the shaft as the cop decreases in weight and diameter.

2,002,226
TRIPLICATE MANIFOLDING BOOK
Albert R. Lawson, Hamilton, Ontario, Canada, assignor, by mesne assignments, to American Sales Book Company, Limited, Toronto, Ontario, Canada, a corporation of Canada
Application April 19, 1930, Serial No. 445,610
4 Claims. (Cl. 282—22)



1. A manifolding book comprising a plurality of manifolding units each comprising a sheet normally folded to provide two relatively superposed

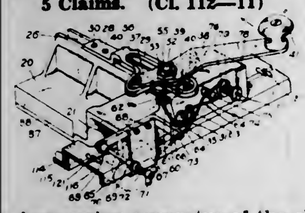
record leaves, a carbon sheet folded parallel to the fold in the record sheet to provide two carbon leaves between said record leaves and having a clean, free margin underlying the free margin of the folded record sheet, and a third record sheet disposed between said carbon leaves, one of said record sheets being bound in the book and the other record sheet being detachable with the two carbon leaves, as a unit, from the book, independently of said bound sheet.

2,002,227

BAG-SEWING APPARATUS

Alexander McAlister, Darlinghurst, near Sydney, New South Wales, Australia

Application December 7, 1932, Serial No. 646,038
In Australia December 24, 1931
5 Claims. (Cl. 112—11)



1. In a bag-sewing apparatus of the character described, a needle, a looper, a needle-carrying block, a slotted cross-shaped member attached thereto, a one-way rotatable crank-like handle cooperating with said member to reciprocate said needle and block and positively to actuate said looper in operative relation with said needle, means for maintaining said needle stationary during the looping of twine thereabout, bag-mouth clamping means comprising a toothed rack, and means for operating said sewing apparatus step by step with respect to said rack.

2,002,228

CORNER CONSTRUCTION FOR FURNITURE OR THE LIKE

George R. Meyercord, Chicago, Ill., and Frank M. Curran, Grand Rapids, Mich., assignors, by mesne assignments, to Reconstruction Finance Corporation, a Federal corporation

Application August 31, 1933, Serial No. 687,546
2 Claims. (Cl. 144—309)



1. The method of producing a panel comprising two backing members arranged at an angle to each other and having a continuous facing member extending over both, which comprises constructing a flat panel composed of a facing sheet and backing members glued thereto and having their adjacent ends spaced apart and undercut to form between them a slot or gap narrower at the top than at some lower point, placing in the slot two strips shaped to fit the edge contours of the backing members, and bending the panel to close the gap and cause the strips to be pressed together and the panel faces at the sides and the bottom of the slot to be brought into intimate contact with the strips, sufficient adhesive material being applied between some or all of the faces that are caused to meet to hold the parts together.

2,002,229

PROCESS OF MANUFACTURING COMPOSITE METAL ARTICLES

Max R. Trembour, Beaver, and Harry Wilson, Jr., Washington, Pa., assignors, by direct and mesne assignments, to Jessop Steel Company Washington, Pa., a corporation of Pennsylvania

Application April 11, 1932, Serial No. 604,646
3 Claims. (Cl. 29—188)



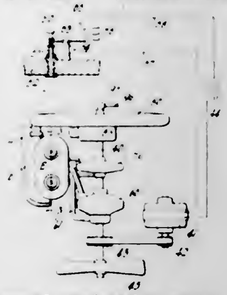
1. The process of making bimetallic tool stock and the like having an edge of tool steel welded to and backed by a body of mild steel, comprising supporting an insert of tool steel symmetrically in an ingot mold of flat section with two of its opposed sides adjacent to but out of contact with the wide sides of the mold, casting mild steel around said insert to completely envelop it and form a composite ingot in which said insert sides are covered by a light section, and the other two faces of the insert with a heavy section, of mild steel, hot-rolling the ingot to weld said insert to said mild steel and to form a square billet, rolling further to convert said billet to a plate whose wide face is approximately twice that of the stock desired, the sides of the billet corresponding to said lightly covered insert sides becoming the wide faces of the plate, and cutting the plate longitudinally through the center of the insert.

2,002,230

INTERNAL COMBUSTION MOTOR

Gilbert Wright, Granville Center, Mass., assignor of one-half to Holland N. Stevenson, Pelham, N. Y.

Application January 4, 1930, Serial No. 418,624
2 Claims. (Cl. 123—198)



1. An internal combustion motor having cylinder, piston, and valve mechanism, motive means operable at a speed independent of that of the motor, a pump for gaseous fuel actuated by said motive means, and a pump for cooling fluid actuated by said motive means.

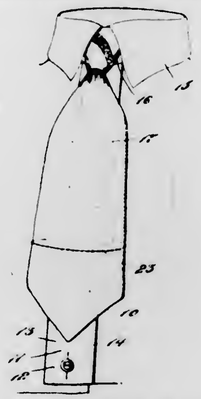
2,002,231

NECKTIE HOLDER

Lawrence E. Baer, Attleboro, Mass., assignor to The Baer & Wilde Company, a corporation of Massachusetts

Application April 24, 1934, Serial No. 722,076
6 Claims. (Cl. 2—115)

1. In combination, a shirt, a necktie holder having separate members attachable to the shirt at selected spaced points a desired distance apart, means flexibly connecting said members together



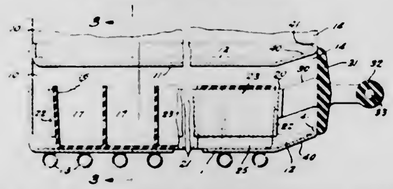
and together with the portion of the shirt between said spaced points encircling the tie.

2,002,232

REFRIGERATOR FREEZING TRAY

Ralph H. Chilton, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 6, 1933, Serial No. 655,311
8 Claims. (Cl. 62—108.5)



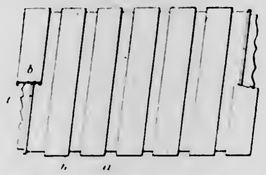
1. In a refrigerator, in combination, a series of portable freezing trays, a series of stationary superposed individual refrigerated compartments for said trays, said compartments each having a relatively shallow liquid retaining bottom wall and mercury retained thereupon so as to directly contact the bottom of said tray when it is in its freezing position thereon.

2,002,233

BAND ELEMENT FOR ORNAMENTAL AND USEFUL PURPOSES

Robert Einsele, Pforzheim, Germany, assignor to Gemex Company, Newark, N. J.

Application March 29, 1934, Serial No. 717,936
1 Claim. (Cl. 63—3)



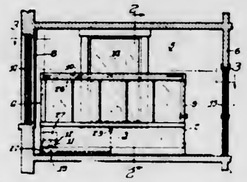
A band for ornamental and useful purposes, comprising in combination a band-shaped carrier composed of links, having overlapping and interlocking edges extending transversely to the longitudinal direction of the carrier, an ornamental element placed on said carrier and bent over ends on said links forming the longitudinal edges of the carrier, and firmly holding said ornamental element on said carrier.

2,002,234

AIR COOLING AND CIRCULATING DEVICE AND PROCESS

Willard L. Morrison, Lake Forest, Ill.

Application March 5, 1934, Serial No. 713,993
10 Claims. (Cl. 62—176)



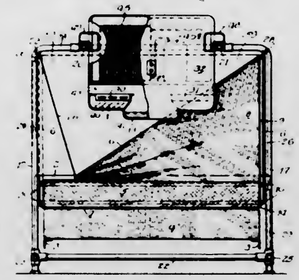
6. The process of cooling and circulating air, which consists in isolating a portion of air in a defined area open at the top and confining the bottom portion of said air against downward and sidewise movement out of said defined area, cooling air and causing it to drop by gravity into the bottom of said defined area and to displace warmer air, and causing said warmer air to rise and pass out at the open top of said defined area.

2,002,235

AIR COOLING AND CIRCULATING DEVICE

Willard L. Morrison, Lake Forest, Ill.

Application July 26, 1934, Serial No. 737,018
19 Claims. (Cl. 62—129)



1. An air cooling and circulating device comprising a receptacle, a cooling device suspended at the upper part of said receptacle, the receptacle being made of flexible material, with means for holding it in its operative position.

2,002,236

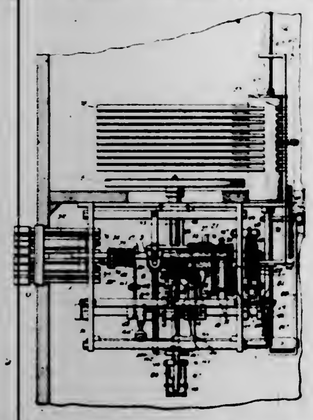
AUTOMATIC PHONOGRAPH

Russell I. Wilcox, Bellwood, Ill., assignor, by mesne assignments, to Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y., a corporation of New York

Application December 11, 1931, Serial No. 580,315
53 Claims. (Cl. 274—10)

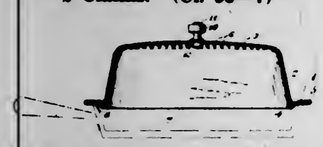
23. In an automatic phonograph, a plurality of selective record carriers, a turntable, means for controlling the selection of records in operative relation with the turntable comprising a

selector shaft, means for rotating said shaft, means governed by said shaft for actuating the record carriers to a selective position, means for stopping the rotation of said shaft at certain points corresponding to the records selected, a plurality of members disposed radially about the



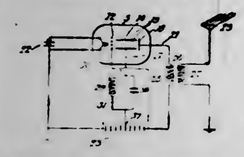
axis of the selector shaft and each movable to a position in the path of said means for stopping the rotation of said shaft, and automatically acting means for returning each of said members to normal position after it has engaged said means rotatable with said shaft.

2,002,237
FRYING PAN COVER
Esten U. Roland, Shiloh, Ohio
Application June 7, 1933, Serial No. 674,666
2 Claims. (Cl. 53—7)



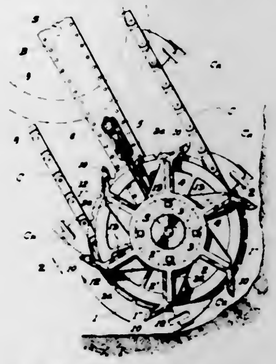
2. A sheet metal cover for pans and the like comprising a perforated substantially flat dome portion, a frusto-conical side portion of substantial height joining the dome portion and supported on a generally horizontal flange portion, and comprising a downwardly extending bead on the flange portion intermediate the flange periphery and the frusto-conical side portion.

2,002,238
NEGATIVE RESISTANCE
Edward H. Yonkers, Jr., Chicago, Ill.
Application July 22, 1930, Serial No. 469,809
2 Claims. (Cl. 250—36)



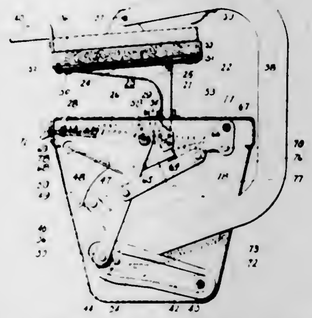
2. In a device of the character described, in combination, a thermionic device comprising a highly evacuated envelop, an electron emitting cathode in said envelop, a grid adjacent to said cathode, and an anode in said envelop, a negative resistance element interposed between the grid and said anode and comprising a plurality of substantially parallel inter-connected spaced metal plates lying parallel to the electron stream from said cathode to said anode, and means for impressing positive potentials on said grid, anode and element with respect to said cathode such that the portion of the electron stream intercepted by said parallel plates varies inversely with the potential applied thereto over the working range of the device.

2,002,239
TRENCH EXCAVATOR
William A. Davis, Milwaukee, Wis.
Application October 6, 1932, Serial No. 636,451
4 Claims. (Cl. 37—87)



1. A trench digger having, a boom point shaft axially centering and rotative with bucket chain tumblers and reversible hub members, reversible digging spiders attached to said members, and means arranged by the attaching together of member and spider elements whereby the latter are rotatable in planes beyond the length of said shaft.

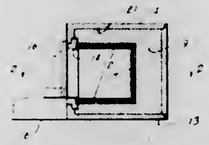
2,002,240
IRONING PRESS
William M. Emery, Lansdowne, Pa.
Application June 21, 1934, Serial No. 731,616
23 Claims. (Cl. 68—9)



2. In a press, the combination of a substantially stationary pressing element and a pressing element mounted for movement from a position

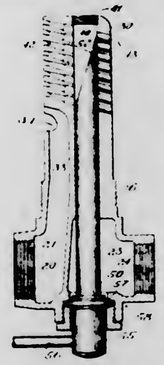
separated from the other to a position contacting with the other under pressure, mounting means for both elements slightly resilient under said pressure, means to store forces to effectuate substantially the entire movement of the movable element and to effect pressure therebetween, means to conserve the potential energy stored incidental to the flexure of the resilient parts under pressure by restoring it in said means to store forces to effectuate the movement, a control to release the forces stored to effectuate the movement and means to apply forces to separate the elements and also to store forces later to effectuate the described movement of the movable element.

2,002,241
ELECTRIC FURNACE MUFFLE CONSTRUCTION
Thomas H. Forde, San Francisco, Calif., assignor to Diascope Corporation Ltd., San Francisco, Calif., a corporation of California
Application October 30, 1931, Serial No. 572,110
1 Claim. (Cl. 219—36)



In a muffle of the character described, a heated muffle casing, an outer casing surrounding said muffle casing, fibrous heat insulation material mounted between said outer casing and muffle casing, and an intermediate casing of plastic composition immediately surrounding said muffle casing and spacing therefrom said insulation material, the inner side of said intermediate casing facing said muffle casing being spaced therefrom and glazed to reflect back to said muffle casing radiant heat from said muffle casing.

2,002,242
FLUID NOZZLE
Otto W. Greene, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application August 22, 1933, Serial No. 686,267
9 Claims. (Cl. 257—64)

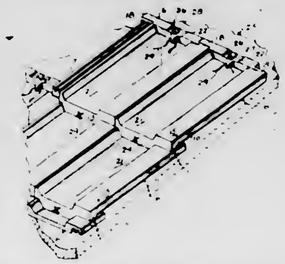


1. A fluid nozzle for immersion in a body of liquid, comprising a body having a stream-line shaped cross section rounded at one side and with a relatively thin edge at another side and having a fluid supply passageway extending through said body and a series of outlet orifices leading from said passageway and opening substantially at said thin edge, a controlling member movable within said passageway, said member having a portion for selectively covering or uncovering one or more of said orifices, and means for shifting said controlling member to control selectively the number of said orifices through which fluid may flow.

2,002,243
FORMALDEHYDE SOLUTION
Wilbie Scott Hinegardner, Prince Bay, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1932, Serial No. 639,300
10 Claims. (Cl. 23—250)

1. A method of preventing polymer precipitation in an aqueous formaldehyde solution which comprises adding to said aqueous formaldehyde solution hydrogen sulfide in an amount insufficient to cause precipitation therein.

2,002,244
ROOFING TILE
Julius Kremper, Oakland, Calif.
Application August 28, 1931, Serial No. 559,889
3 Claims. (Cl. 108—10)

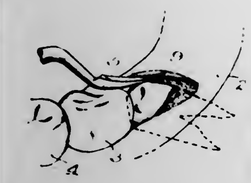


1. In a roofing tile, a generally rectangular body formed to have a longitudinal drainage channel intermediate the side edges thereof, a cross-wall closing the rearward end of said channel and provided with a transverse keyhole slot for removably receiving therethrough a headed nail extending from a roof element, an apron depending from the forward portion of said tile to extend into the corresponding said channel of a longitudinally overlapped and similar tile, a lug extending into the channel space from said cross-wall, and a pliable tying element carried by the lug of the underlying tile for tying engagement solely with said apron, said element arranged for tying at the front face of said apron whereby the element is replaceable from the weather side of the roof.

2,002,245
DENTAL INSTRUMENT FOR REMOVING IMPACTED TEETH
Donald J. McDaniel, Chicago, Ill.
Application November 10, 1932, Serial No. 641,971
10 Claims. (Cl. 32—46)

1. A dental instrument for cutting away the jaw-bone from an impacted tooth comprising a handle portion and a blade portion, said blade portion having a pointed end and a thickened curved rear edge, a transversely convex bottom

face and a transversely concaved top face, said top and bottom faces meeting to provide a thin front cutting edge, the axis of which lies at an angle to the axis of said thickened rear edge, whereby the convexed lower face and the thickened rear edge provide bearing portions for the blade in such manner as to rotatively support it upon the jaw-bone during the operations of said cutting edge.



7. The method of preparing an impacted tooth for extraction which consists in cutting away portions of the jaw bone adjacent to the impacted tooth by undermining rotational cuts which are continued until sufficient jaw bone has been removed from around the tooth to permit lifting and extraction of said tooth.

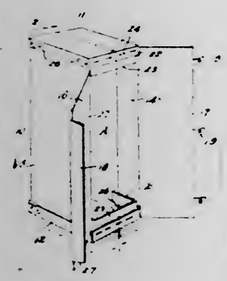
2,002,246

CLOTHING CONTAINER

Elliot A. Miller, New York, N. Y.

Application August 15, 1934, Serial No. 739,844

2 Claims. (Cl. 312—144)



1. A storage container for clothing, including a body section and flanged end sections telescopically fitted over the opposite ends of the body section, said body section having a rear wall, a pair of opposed side walls defining an open front and inner and outer closures hingedly connected to the forward edges of the side walls with the outer closure of a size to overlie the end edges of the inner closure and for engagement against the forward flanged edges of the end sections for closing and sealing the open front of the container, an abutment strip extending across and protruding inwardly beyond the inner edges of each of the flanged end sections at the open front to provide a sealing surface with which the inner closure engages, the said abutment strips each having angularly disposed terminals engaging against the inner surfaces of the side walls, and means securing the said terminals thereto and to the flanges of the end sections.

2,002,247

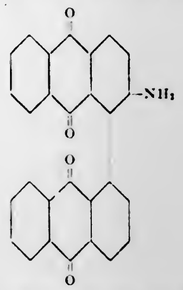
ANTHRAQUINONE DERIVATIVE AND PROCESS OF MAKING THE SAME

Wilhelm Moser, Riehen, near Basel, and Walter Fioroni, Binningen, near Basel, Switzerland, assignors to firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 25, 1935, Serial No. 8,216. In Switzerland February 27, 1934

2 Claims. (Cl. 260—60)

2. The 2-amino-1,1'-dianthraquinonyl of the formula



which forms orange colored crystals insoluble in water, but soluble in sulfuric acid to an orange solution and in alkaline hydrosulfite solution to a red-brown solution.

2,002,248

TRAFFIC SIGN

George H. Muehleisen, Canton, Ohio

Application December 6, 1934, Serial No. 756,301

10 Claims. (Cl. 40—126)



1. A traffic sign including a portable base having a central socket, an upright having its lower end secured in said socket, a flat figure comprising a body portion secured to said upright, and interchangeable arms adapted to be arranged in different signalling positions detachably secured to said body portion.

2,002,249

APPARATUS FOR CONTROLLING EXCESSIVE MOVEMENTS IN SPRUNG BODIES ON MOTOR DRIVEN ROAD VEHICLES

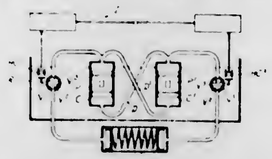
William Robert Oyston, Melbourne, Victoria, Australia

Application December 21, 1933, Serial No. 703,482

In Australia January 24, 1933

10 Claims. (Cl. 280—112)

10. In spring supported motor vehicle bodies, a device for controlling oscillatory motion of the body about a transverse axis, comprising means actuated by said motion for generating energy, means for storing said energy, and means serv-



ing to control the application of said stored energy to dampen said motion, any excess or reactionary energy so applied being released or transferred to the source of stored energy.

2,002,250

PROCESS OF REFINING GASOLINE PRODUCED BY CRACKING

Claron R. Payne and Donald B. Stevens, Pittsburgh, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a corporation of Texas

No Drawing. Application September 19, 1931, Serial No. 563,886

11 Claims. (Cl. 196—44)

1. In the manufacture of a motor fuel from a cracked gasoline distillate, the refining process which comprises mixing approximately from one-half of one per cent to three per cent by weight of anhydrous aluminum chlorid with the distillate and heating this mixture to approximately 400° C., and maintaining it at that temperature under a pressure of the order of one thousand to two thousand pounds per square inch for a period not substantially greater than twenty minutes; the said distillate being of such type that substantially no conversion takes place during the treatment specified.

2,002,251

DEFECTIVE LIGHT SIGNAL

Frederick Harrison Sensiba and Claude Warner Sensiba, Crystal Falls, Mich., assignors of one-third to John B. O'Hora, Green Bay, Wis.

Original application December 17, 1931, Serial No. 581,759. Divided and this application September 8, 1932, Serial No. 632,258

2 Claims. (Cl. 177—329)



1. A signal apparatus comprising a signal box having a plurality of cells and provided with a sight opening in one side of each cell, a swinging back plate hinge at the lower edge to the box, a latch carried by the top of the plate and engageable over the top of the box to hold the back plate closed, fixed lamp supports carried by the inner face of said back plate and movable as a unit therewith when the back plate is opened or closed, lamps mounted in the several supports with their longitudinal axes in a plane parallel to the plane of the hinged back plate and movable therewith, end cleats secured to the bottom of the box, an insulated plate resting on said end cleats and spaced from the bottom of the box to form an intermediate chamber, resilient contacts, means for mounting the contacts on said insulated plate in position to engage the terminals of the lamps when the back plate is swung to closed position, and electric conductors extending through an opening in the bottom of the box and within said chamber for engagement with said contacts.

2,002,252

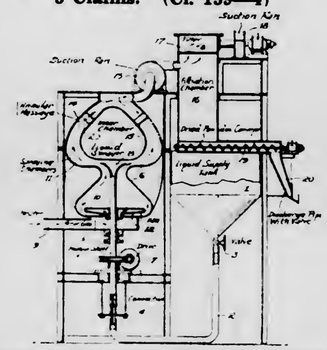
APPARATUS FOR THE CONVERTING OF MILKY LIQUIDS, SOLUTIONS, DISPERSIONS, AND EMULSIONS INTO POWDER FORM BY DRYING

Martinus Joännes Stam, The Hague, Netherlands

Application October 17, 1932, Serial No. 638,264

In the Netherlands January 23, 1931

3 Claims. (Cl. 159—4)



1. Apparatus for converting milky liquids, solutions, dispersions and emulsions into powder form by drying aided by centrifugal force, comprising a barrel, having a constricted middle portion dividing the barrel into an upper and a lower chamber, a baffle body within the upper chamber having a substantially flat bottom and having its sides substantially parallel to the sides of the upper chamber, thus providing a narrow annular passage around said body terminating in an outlet opening at the top of the upper chamber, means conveying a heated stream of gas through said constricted portion and through said passages, a centrifugal spraying element in said upper chamber beneath the bottom of the baffle adapted to spray the liquid into the gas and mingle therewith, thereby gradually carrying off the resultant powdered articles and drying them.

2,002,253

SEPARATOR FOR LIQUIDS HAVING DIFFERENT SPECIFIC GRAVITIES

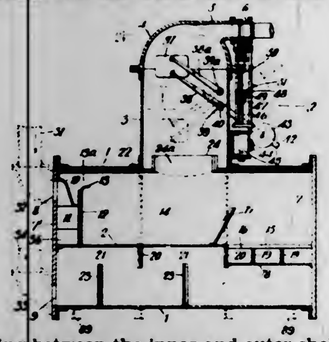
Herbert Alexander Thompson, Benton, Northumberland, England

Application February 24, 1932, Serial No. 594,959½. In Great Britain January 25, 1932

16 Claims. (Cl. 210—43)

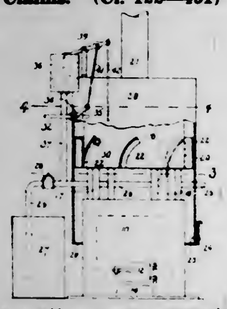
1. Apparatus for the separation of liquids of different specific gravities comprising an outer shell of ovate form in vertical cross-section with its sides converging downwardly, a smaller inner shell also of ovate form in vertical cross-section similarly arranged inside the outer shell at the top thereof and constituting a first-stage quiescence chamber, a collecting dome or chamber, for the liquid of lower specific gravity, secured to the top side of said outer shell and centrally thereof, an opening in said inner shell beneath the collecting dome by which the inner shell is in com-

munication therewith, an inlet opening at one end of said inner shell, a vertical baffle plate adjacent the inlet and dividing off part of the inner shell to form a swirl chamber, an opening in the bottom of the inner shell, at the opposite end to the inlet, by which the inner shell is in communication with the outer shell, division plates



extending between the inner and outer shells and dividing the space therebetween into a number of lower quiescence chambers communicating with the collecting dome, an outlet opening at the bottom of said outer shell, and means for drawing off the lighter separated liquid from the collecting dome.

2,002,254
STEAM GENERATOR
James Treloar, Hamilton, New Zealand
Application March 13, 1934, Serial No. 715,358
In New Zealand March 30, 1933
6 Claims. (Cl. 122—451)



1. Steam generating means, comprising in combination, a boiler chamber having an internal furnace space and an exit passage therefrom through the chamber top, an enclosed water receiving chamber arranged above the boiler chamber, at a distance therefrom, and having a number of heat tubes extending vertically through its full length, water circulating tube connections between the two chambers, and a casing enclosing the upper chamber and the space between the two chambers, made to leave a clear space between it and the sides and top of the upper chamber and provided with an outlet flue leading from its top.

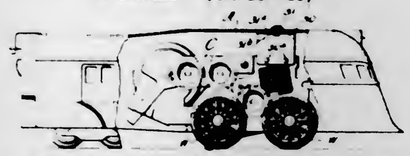
2,002,255
HARROW
Alister Stewart Bevin, Whangarei, New Zealand
Application February 13, 1934, Serial No. 711,038
In New Zealand November 1, 1933
3 Claims. (Cl. 55—149)

1. In a harrow having a draught frame embodying a main cross bar and a number of tines, said tines being formed of metallic bar lengths disposed to extend in parallel lines from the rear of the draught frame and each of which tines is independently pivoted at its forward end upon the cross bar and is shaped with its rear end



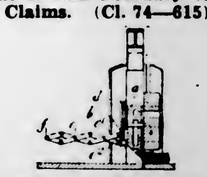
doubled round and upwardly and then to extend forwardly in tooth form, the forward edge of which inclines downwardly and forwardly from a distance above to a point positioned a distance below, the level of the main portion of the tine forming bar.

2,002,256
MOTOR MOUNTING FOR TOY LOCOMOTIVES
Earl D. Boisselier, Glen Ellyn, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application August 2, 1934, Serial No. 738,144. Divided and this application November 16, 1934, Serial No. 753,378
5 Claims. (Cl. 46—48)



1. A toy locomotive including in combination, a casing simulating a locomotive body and including a roof portion, a propelling unit concealed within the casing, means arranged between the propelling unit and the under side of the roof of the casing for supporting and spacing the latter with reference to the propelling unit proper, and means for connecting said last named means and the roof of the casing.

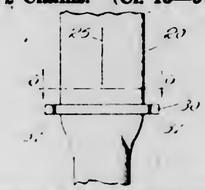
2,002,257
SAFETY GUARD FOR SHEARING PRESSES
Harold Alan Boyce, London, England, assignor of one-half to Jas. Truscott & Son Limited, London, England
Application May 11, 1933, Serial No. 670,563
In Great Britain February 25, 1933
3 Claims. (Cl. 74—615)



1. A shearing press or like machine having a reciprocable member in combination with a safety guard comprising a rigid guard member extending across the front of the press and substantially parallel to said reciprocable member, a bar operatively connected to said reciprocable member, means for guiding said bar in a straight

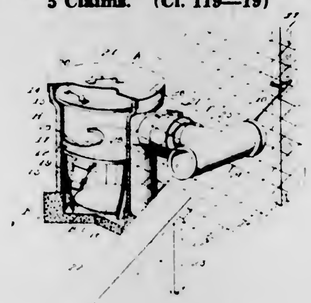
restricted path and extensible means pivotally connecting each end of the guard member to the corresponding end of the bar and to the frame of the machine.

2,002,258
METHOD OF PRODUCING TUBING
Sylvester F. Clement, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application April 9, 1934, Serial No. 719,783
2 Claims. (Cl. 18—57)



1. A method of making cellulose tubing which comprises: extruding viscose through an annular orifice into a coagulating bath, thereby forming a seamless tube; carrying the tube on rollers through a subsequent regenerating bath, or baths; and making slits in the tube at intervals and flattening and clamping the tube in flattened condition sufficiently close to the slits to prevent the tube from gaping open or wrinkling at the slit, the slits being left in open condition.

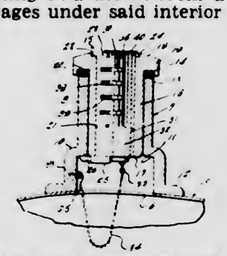
2,002,259
ANIMAL DEN
Florent S. Cole, Omro, Wis.
Application August 7, 1934, Serial No. 738,860
5 Claims. (Cl. 119—19)



1. An animal kennel comprising a base, a tile housing having an outwardly flared upper edge mounted on the base, a removable cover within the housing resting on the flared portion of the edge, a second removable cover resting on and covering the edge, a nest within the housing, and a pipe system connected to the housing to permit entrance to the kennel.

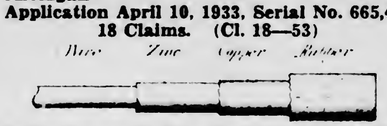
2,002,260
LOCKING CAP
Charles C. Curl, Helena, Ark.
Application December 12, 1932, Serial No. 646,888
Renewed October 23, 1934
2 Claims. (Cl. 70—90)

2. A locking cap for a filling neck having an interior shoulder, said locking cap comprising a cylindrical body having at one end a lateral flange for engaging the outer end of said filling neck and closing the same, said body having an axial bore in which is rotatably fitted a second cylindrical body having a second lateral flange at its outer end engaging a portion of the outer end of the first cylindrical body, a detent guide fixed to the inner end of said second body and slidably engaging the inner end of said first body, a sliding detent in said guide, a spring in said guide normally retracting said detent from a position in which it engages under said interior shoulder of



the filling neck, the engagement of said second lateral flange with the outer end of the first body and the engagement of said guide with the inner end of said first body operating to prevent relative axial movement but not relative rotation of said first and second cylindrical bodies, said second body being provided with a longitudinal bore, a key operated cylinder lock in said longitudinal bore having a cam engageable with the inner end of said sliding detent for projecting the same to locking position.

2,002,261
RUBBER COATED STEEL OBJECT AND METHOD OF MAKING THE SAME
Elgin Carlton Domm, Niles, Mich., assignor to National Standard Company, a corporation of Michigan
Application April 10, 1933, Serial No. 665,425
18 Claims. (Cl. 18—53)



1. In the production of brass coated ferrous base articles, the step of producing a brass coating by separately coating said article with a thin layer of zinc, and a layer of copper having a thickness less than approximately 1/60,000 inch, and of a thickness to alloy throughout with the zinc at atmospheric temperature or at the temperature of vulcanization and produce a thin layer of brass thereon, and vulcanizing a coating of rubber thereon.

7. A rubber coated article comprising a ferrous metal base, a zinc coating over said base, a thin copper coating thereon having a thickness less than approximately 1/60,000 inch and of a thickness to alloy throughout with the zinc at atmospheric temperature or at the temperature of vulcanization, and produce a thin layer of brass thereon, and a coating of rubber vulcanized thereon.

2,002,262
RUBBER COATED OBJECT
Elgin Carleton Domm, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application April 16, 1934, Serial No. 720,890
17 Claims. (Cl. 18—53)

1. In the production of rubber coated ferrous base articles, the step of producing a cadmium

brass coating by separately coating said article with a thin coating of cadmium, and a layer of copper having a thickness less than approximately 1/66,000 inch and of a thickness to alloy throughout with the cadmium at atmospheric temperature or at the temperature of vulcanization and produce a thin layer of cadmium brass thereon, and vulcanizing a coating of rubber thereon.



7. A rubber coated article comprising a ferrous metal base, a cadmium coating over said base, a thin copper coating thereon having a thickness less than approximately 1/66,000 inch and of a thickness to alloy throughout with the cadmium at atmospheric temperature or at the temperature of vulcanization, and produce a thin layer of cadmium brass thereon, and a coating of rubber vulcanized thereon.

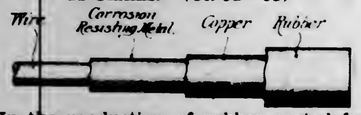
2,002,263

RUBBER COATED STEEL OBJECT

Elgin Carleton Domm, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application July 30, 1934, Serial No. 737,666

11 Claims. (Cl. 91—68)



1. In the production of rubber coated ferrous base articles, the step of producing a rubber adherent coating by separately coating said article with a thin layer of corrosion resistant metal of the class consisting of zinc, cadmium, lead, tin and a layer of copper having a thickness less than approximately 1/60,000 inch, and of a thickness to alloy throughout with the corrosion resistant metal at atmospheric temperature or the temperature of vulcanization and produce a thin layer of rubber adherent alloy on the surface thereof, and vulcanizing a coating of rubber thereto.

2,002,264

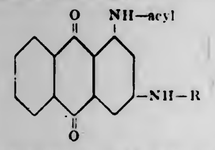
ANTHRAQUINONE DERIVATIVE AND PROCESS OF MAKING SAME

Hermann Hauser, Basel, and Max Bommer, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application May 31, 1932, Serial No. 614,610. In Switzerland June 29, 1931

5 Claims. (Cl. 260—60)

1. As new products the anthraquinone derivatives of the general formula



in which R represents hydrogen, alkyl, phenyl, naphthyl or the radical of a higher condensed ring system, which products form yellow to orange to brown to red to violet to green powders which dissolve in concentrated sulfuric acid to yellow to red to blue solutions and dye cotton from the vat yellow to red to blue to green to black tints of very good fastness properties.

2,002,265

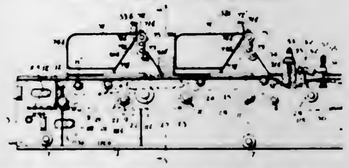
APPARATUS FOR ATTACHING METAL STRIPS TO SHEETS OF WOOD, COMPOSITION BOARDING, OR THE LIKE

Andrew Mathis Kamper, Surbiton, England, assignor to No-Nail Cases Proprietary Limited, London, England, a company incorporated with limited-liability of Victoria, Australia

Application March 23, 1933, Serial No. 662,400

In Great Britain April 2, 1932

18 Claims. (Cl. 1—12)



1. Apparatus of the kind set forth comprising a device for securing a metal strip to a sheet by the application of pressure, a hopper adapted to contain a supply of sheets of one size, a runway leading from said hopper to said pressure device, a band conveyor for transferring sheets along said runway, a second hopper adapted to contain sheets of another size and disposed above said runway, a second band conveyor disposed parallel to said first-mentioned conveyor for transferring sheets from said second-mentioned hopper to said pressure device, and means which serve automatically to raise the sheets contained in said second-mentioned hopper so as to allow the passage thereunder of a sheet from said first-mentioned hopper.

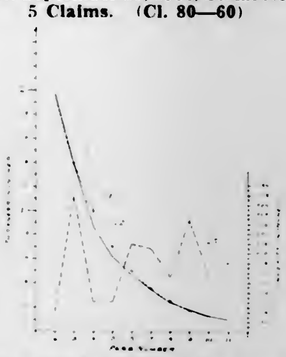
2,002,266

METHOD OF ROLLING STRIP MATERIAL

Charles A. Kral, Steubenville, Ohio

Application September 29, 1934, Serial No. 746,221

5 Claims. (Cl. 80—60)



1. In the method of rolling wide thin strip in a continuous mill having a plurality of stands of reducing rolls, the steps consisting in passing a work piece through the stands in a continuous manner, reducing the thickness of the work piece by single ply passes in each such stand, and in at least two successive passes, which passes are prior to the last reducing pass, drastically reducing the thickness to less than the thickness at that stage of the reduction which would result if a uniform percentage of reduction were taken in each stand to obtain the same total reduction.

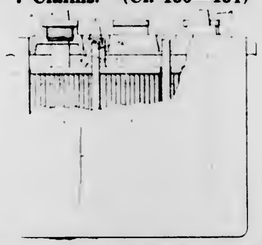
2,002,267

STORAGE BATTERY CONSTRUCTION

George L. Kyle, Niagara Falls, N. Y., assignor to U S L Battery Corporation, Niagara Falls, N. Y., a corporation of New York

Application November 25, 1927, Serial No. 235,601

7 Claims. (Cl. 136—134)



1. A multi-cell storage battery comprising, in combination, a container structure, plate groups, individual cell covers having depressed marginal portions defining sealing grooves, plastic sealing material in the grooves, and inter-cell conductors having U-portions within said grooves, embedded in the sealing material.

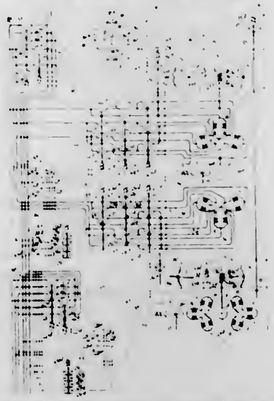
2,002,268

ELECTRIC MOTOR CONTROL SYSTEM

Eivind U. Lassen, West Allis, and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 15, 1933, Serial No. 680,536

17 Claims. (Cl. 156—46)



14. In an electric motor control system, in combination, a plurality of reversible electric driving motors, means individual to each of the respective motors for controlling the direction, rate, and degree of operation thereof, said individual control means each comprising a sending rheostat, a receiving rheostat and a polarized relay coil arranged in the form of a Wheatstone bridge, adjustable contactors associated with the respective rheostats, a plurality of pairs of electromagnetically operable switches each pair being controllable by one of said polarized relays for determining the direction and degree of operation of the motor respectively controlled thereby in accordance with the relative positions of said contactors, means associated with each of said individual control means to provide for preselection of a motor speed substantially proportional to the degree of operation preselected therefor, and means comprising a common control instrumentality for simultaneously initiating operation of all active motors.

2,002,269

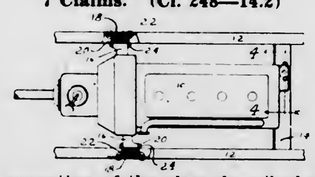
MOTOR MOUNTING

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application February 24, 1930, Serial No. 430,631

Renewed March 20, 1933

7 Claims. (Cl. 248—14.2)



1. A mounting of the class described comprising, an internal combustion engine, a support including side frame members and a cross member, a front engine connection between said engine and said cross member, and lateral connections at the rear of said engine between said engine and said side frame members, one of said lateral connections being in advance of the other of said lateral connections.

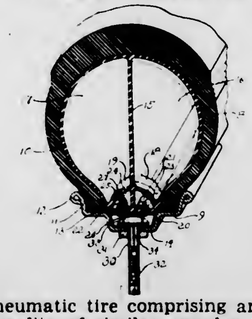
2,002,270

VALVE MECHANISM

Frederick A. Lind, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application July 3, 1933, Serial No. 678,918

18 Claims. (Cl. 152—22)



2. A pneumatic tire comprising an outer casing, a plurality of similar annular independent air containing cells disposed within said casing in side-by-side relationship, and means for admitting air to the several cells from a common source and for equalizing the volumes of air contained in the several cells.

2,002,271

KNITTED FABRIC

Vincent Lombardi, Garden City, N. Y.

Application October 18, 1933, Serial No. 694,042

8 Claims. (Cl. 66—169)

1. A knitted fabric comprising yarn knitted into loops in a plurality of wales and rows, one section

of said fabric comprising a first yarn group knitted into regular front loops in more than two successive wales, a second yarn group knitted into regular front loops in more than two successive wales in a second section of the fabric, a third yarn group knitted into regular front loops in more than two successive wales in a third section of the fabric, where any mentioned group may comprise only one yarn knitted in one row in a given section, said sections being disposed across the fabric parallel to a wale, said first yarn group lying loosely behind the loops in said second and third sections at least for a plurality of adjacent wales without forming any front loops in said



second and third sections, said second yarn group lying loosely behind the loops in said first and third sections at least for a plurality of adjacent wales without forming any front loops in said first and third sections, said third yarn group lying loosely behind the loops in said first and second sections at least for a plurality of adjacent wales without forming any front loops in said first and second sections, a loose yarn of said first yarn group in the rear of said second section being caught in the fabric in at least one wale of said second section and being caught in the fabric in at least one wale of said third section.

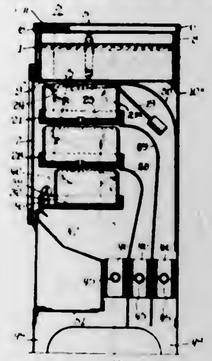
2,002,272
DISK HARROW
Edward Mowry, Rock Falls, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 12, 1934, Serial No. 715,045
8 Claims. (Cl. 55—81)



1. A field implement comprising a pair of transversely positioned inner frame structures, a pair of transversely positioned outer frame structures, soil engaging means carried by said structures, draft means connected to said frame structures, the draft means for the outer frame structures being disconnectible for folding the implement for transport, means for pivotally connecting the inner and outer frame structures together at the adjacent ends and near the rear sides of the frame structures whereby the outer frame structures may be swung around to positions parallel to and behind the inner frame structures, and means for securing said outer frame structures in said parallel position for transport.

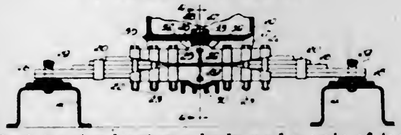
2,002,273
HUMIDIFIER
William H. Parker and Harry Jaffe, Chicago, Ill., assignors, by mesne assignments, to Sears, Roebuck and Co.
Application July 5, 1934, Serial No. 733,827
5 Claims. (Cl. 261—104)

1. A humidifier comprising a cabinet, a water tank in the upper portion of said cabinet, a shallow pan adapted to contain water below the water tank, a water-absorbing unit in said pan, the lower portion of said unit being arranged to extend into the water contained in said pan, an overflow outlet from said pan, a substantially similar pan below the first-mentioned pan and arranged to receive water flowing from said over-



flow, a water-absorbing unit in the second pan, the lower portion of said unit being arranged to be submerged in water contained in the second pan, a float in the last-mentioned pan arranged to control the flow of water from the water tank, and partitions in the cabinet to direct air to each of said water-absorbing units.

2,002,274
TRACK TYPE TRACTOR
Norman O. Pansegrau, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 23, 1934, Serial No. 712,504
6 Claims. (Cl. 305—9)

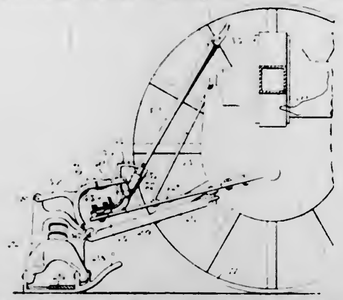


3. A tractor having a body and a pair of track frames pivotally connected at their rear ends to support the body thereon at two points, an equalizer spring carried transversely across the track frames and under the body, upper and lower saddle blocks clamped around the spring, said blocks having rounded portions which are formed as surfaces of a common cylinder, an upper pad member between the body and the upper saddle block, said upper pad member having a rounded portion to receive the rounded portion on the upper saddle block, said upper pad having an upward extension slidably fitted into the body, a lower pad member having a rounded portion complementary to and receiving the rounded portion of the lower saddle block, and means to secure the lower pad member to the body to hold the equalizer in pivotal weight carrying relationship to the body.

2,002,275
TILTING MECHANISM FOR MOWERS
Charles Pearson, Waverly, Fla., assignor to International Harvester Company, a corporation of New Jersey
Application February 14, 1934, Serial No. 711,215
8 Claims. (Cl. 56—25)

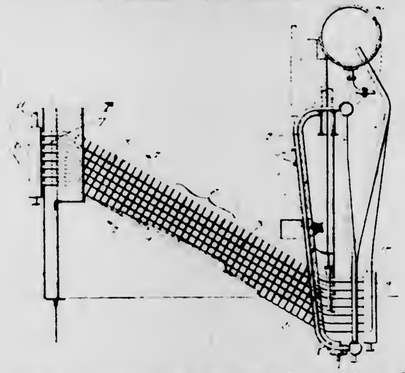
1. A mower comprising a frame, a coupling arm pivotally carried by the frame, a cutter bar

tiltably carried by the arm, a normally locked but releasable lever having connections to tilt



the bar, and means engaging said connections to enable the bar to tilt independently of the lever when the bar drops below the normal ground line.

2,002,276
FURNACE WALL
Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 6, 1931, Serial No. 555,548
3 Claims. (Cl. 122—6)

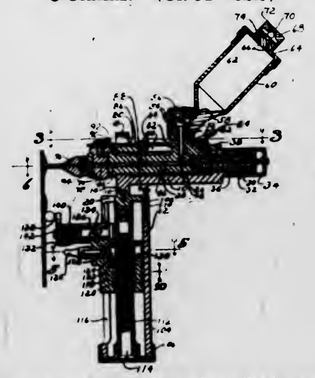


1. In a furnace, the combination with a fuel supporting structure, of a plurality of liquid conducting tubes provided at one side of said structure, and a plurality of rows of protective elements detachably secured against the tubes and providing a wall surface bounding the fuel bed, one of said rows of protective elements projecting inwardly from said wall surface to form a ledge overhanging the fuel bed whereby any slag flowing down the wall is diverted away from the wall surface therebelow, and into the fuel bed, and the inner surfaces of said last mentioned elements inclining downwardly and inwardly.

2,002,277
METHOD OF MAKING PHOSPHORUS OXYCHLORIDE
Harold P. Roberts, Nitro, W. Va., assignor, by mesne assignments, to Herbert S. Kreighbaum, Akron, Ohio
No Drawing. Application March 6, 1933, Serial No. 659,836
19 Claims. (Cl. 23—203)

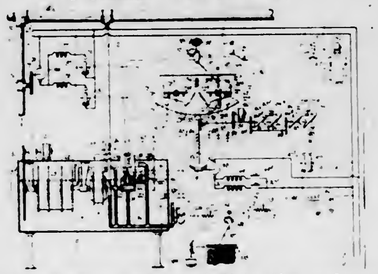
1. A method of the character described, which comprises, reacting phosphoric acid, phosphorus trichloride and chlorine in the presence of water to form phosphorus oxychloride.

2,002,278
STRIPING DEVICE
Frank P. Ryan, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1929, Serial No. 346,833
8 Claims. (Cl. 91—62.6)



1. A device of the class described comprising, a handle portion, a body portion angularly movable on said handle portion, an axially movable member in said body portion, a fluid container carried by said member, a nozzle at the end of said axially movable member, said member being provided with a passage connecting the fluid container and the nozzle, and an angularly movable valve in said member to control the flow of fluid through said nozzle.

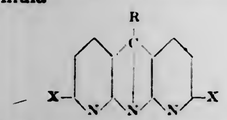
2,002,279
CALORIMETRIC METHOD AND APPARATUS ADAPTED FOR GAS MIXING CONTROL
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 29, 1931, Serial No. 540,863
9 Claims. (Cl. 48—180)



1. The method of regulating the volumetric proportionality of a plurality of flows of gaseous fluids to provide a gaseous mixture of substantially constant total heating value per unit volume which consists in effecting a flowing mixture of said fluids, continuously withdrawing and burning a volumetrically constant sample of said mixture to determine the instantaneous total heating value per unit volume thereof, automatically regulating the volumetric proportionality of said flows of fluids relatively to each other in accordance with the determinations so effected, and automatically discontinuing such regulation and giving an audible signal when the total heating value per unit volume of said mixture varies to a given degree with respect to a preselected value.

2,002,280
AMINO ANTHYRIDINES AND PROCESS OF MAKING SAME
Walter Schoeller, Berlin-Westend, and Otto von Schickh, Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application April 30, 1932, Serial No. 608,558. In Germany May 13, 1931
9 Claims. (Cl. 260—40)

1. The compounds being constituted according to the formula



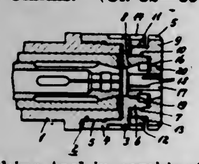
wherein X is an acylated or non-acylated amino group, while R is an alkyl group or hydrogen, these products being yellow colored, having vigorously bactericidal properties and dissolving in cold and better still in warm water with magnificent green fluorescence.

2,002,281
ELECTRONIC CURRENT REGULATOR
Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 24, 1930, Serial No. 455,444
15 Claims. (Cl. 175—363)



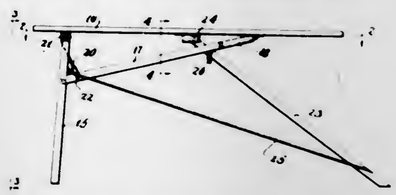
2. The method of regulating the flow of current through an electronic tube subjected to an alternating potential and having a controlling electrode which consists in storing energy in a circuit during alternate half cycles of such alternating potential, effecting and regulating discharge of such stored energy during the other half cycles to produce a transient voltage and subjecting said controlling electrode to the influence of such cyclic transient voltage.

2,002,282
WORKPIECE GUIDE FOR MACHINE TOOLS
Karl Tesaky, Esslingen-on-the-Neckar, Germany
Application March 31, 1934, Serial No. 718,337
In Germany May 4, 1933
8 Claims. (Cl. 82—39)



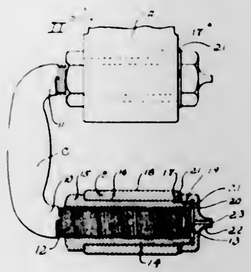
1. In a machine tool in combination a tubular spindle, a spindle head mounted on said spindle, a short workpiece guide and means for adjusting said guide to the diameter of the workpiece, both said guide and said adjusting means being accommodated within the front portion of said spindle head.

2,002,283
FOLDING IRONING TABLE
Samuel J. Bailey, Nicholson, Pa.
Application November 1, 1932, Serial No. 640,601
2 Claims. (Cl. 68—10)



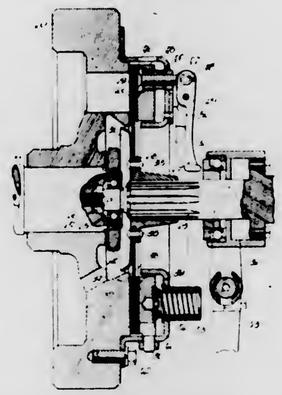
1. In a folding ironing table, a board, a transverse frame pivoted on the bottom thereof, a pair of legs pivoted on said frame for swinging together and apart and which upon turning of the frame moves to a position flat against the bottom of the board or to a depending position, a pair of braces pivotally mounted at one of their ends intermediate the ends of said legs, a pair of links pivotally mounted intermediate the ends of said braces and on the bottom of said board so that the legs are limited to substantially the vertical position or to a position flat against the bottom of said board, and a pair of cross braces pivotally mounted at one of their ends upon said legs and at their other ends upon said braces at points intermediate the pivot points of the braces with the legs and with said links, said cross braces having intermediate twists so that the pivoted ends are at right angles to each other.

2,002,284
OSCILLATORY CONNECTION
George D. Banta, Ypsilanti, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1934, Serial No. 708,199
4 Claims. (Cl. 267—54)



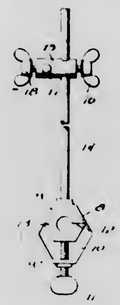
1. In a device of the character described, a member having an opening, a bushing fitting within said opening and having a shoulder at one end thereof engaging said member, said bushing having an exteriorly threaded portion at the other end thereof and being provided with an opening extending within the opening of said member, a shaft threadedly fitting within said bushing opening, and a nut engaging said threaded bushing portion and forcing said member against said shoulder, and means carried by said nut for passing lubricant to the threads of said shaft and bushing opening.

2,002,285
DRIVING DISK FOR CLUTCHES
William Otto Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 18, 1931, Serial No. 581,848
4 Claims. (Cl. 192—107)



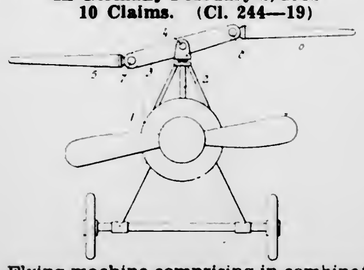
1. A clutch assembly comprising two resilient disks secured in fixed position relative to each other with their peripheral portions in spaced relationship, each of said disks being formed with spaced radial slots extending inwardly from the periphery, the slots in one disk alternating with the slots in the other disk, the edge portions of one of the disks being turned inwardly adjacent the slots toward the adjacent disk, and contact elements secured to the outer sides of said disks.

2,002,286
BRAKE ADJUSTING GAUGE
George H. Crane, Muskegon, Mich.
Application July 21, 1934, Serial No. 736,319
6 Claims. (Cl. 33—180)



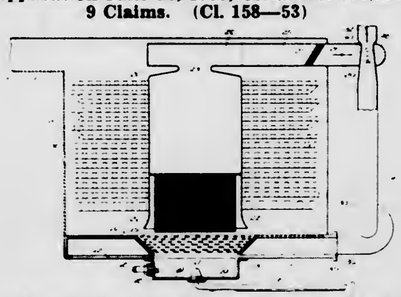
1. A brake adjusting gauge comprising a ring, a split threaded bushing mounted in said ring, a thumb screw holding the bushing in position and for adjusting the same, a rod extending outwardly from the ring, a slide mounted on said rod, a thumb screw for holding the slide in adjusted position, a finger slidably mounted in the slide at substantially right angles to the rod, and a thumb screw for holding the finger in adjusted position.

2,002,287
FLYING MACHINE
Anton Flettner, Berlin, Germany
Application January 27, 1933, Serial No. 653,768
In Germany February 2, 1932
10 Claims. (Cl. 244—19)



1. Flying machine comprising in combination a fuselage, a balance member mounted on said fuselage for rotatory and free rocking motion and wings articulated to said balance member for free oscillatory movement relative to said member.

2,002,288
LIQUID FUEL BURNER
Charles A. French, Riverside, Ill.
Application June 15, 1933, Serial No. 675,931
9 Claims. (Cl. 158—53)

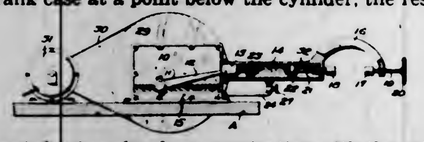


1. A liquid fuel vaporizer and burner comprising a combustion chamber, a burner grating positioned over one end of said chamber, a supply chamber in communication with said grating, a fuel nozzle positioned to deliver fuel at the combustion chamber side of said grating, means for supplying fuel to said nozzle, means for igniting fuel discharged from the nozzle, a receiving chamber positioned in the combustion chamber over the nozzle and spaced from the grating, gas moving means, means for delivering air and the gaseous products from the receiving chamber to said means, and means for delivering the mixture from said means to the supply chamber for the grating.

2,002,289
NUT CRACKING MACHINE
William H. Hancock, Okmulgee, Okla.
Application March 19, 1934, Serial No. 716,403
1 Claim. (Cl. 146—12)

A machine of the character described comprising a piston cylinder open at one end and closed at its other end and having a horn at the closed end, the free end of the horn being in the same plane with the cylinder, an anvil adjustably connected with the free end of the horn which constitutes an arbor, oppositely arranged pistons within the cylinder, a crank case connected with the open end of the cylinder, a crank shaft journalled in said case, a connecting rod operated by the crank shaft and working through the open end of the cylinder and having connec-

tion with the piston next thereto, an adjustable piston head on the last-named piston, a reservoir formed with the cylinder midway thereof, a by-pass connected with the reservoir and said crank case at a point below the cylinder, the res-



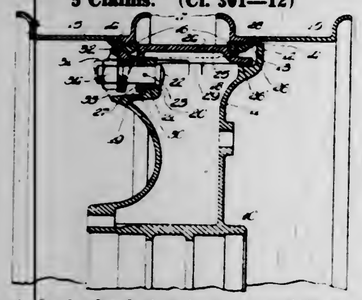
ervoir having plural communication with the cylinder, a cushioning element coactive with the other piston, an anvil connected with said other piston, a valve in said by-pass, and a power medium connected with said crank shaft.

2,002,290

DUAL WHEEL MOUNTING

Alfred Krieg and James A. Bundy, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey

Application December 23, 1933, Serial No. 703,796
5 Claims. (Cl. 301—12)



1. A dual wheel structure comprising a wheel body having spaced spokes extending therefrom, a shoulder formed on each spoke end, two rims mounted on the spoke ends, a spacer element mounted over each spoke end between the rims, and means for clamping the rims in position against the spacing elements and against the shoulders, said spacing elements having tongues projecting under one rim for centering the rim during assembly, and a lug at the other end engageable with a portion of the wheel structure to hold that end in position during assembling of the rims, inwardly projecting lugs being formed at the spoke end to support the spacing elements.

2,002,291

CONNECTER ELEMENT

Eugene R. Kulka, New York, N. Y., assignor to C. D. Wood Electric Co. Inc., New York, N. Y., a corporation of New York

Application November 26, 1929, Serial No. 409,830
2 Claims. (Cl. 173—361)

1. A connecter device having a body which comprises a pair of body members each of which is made of insulating material, one of said body members having a recess whose internal wall is threaded and into which an externally threaded wall of the other body member extends, one of said body members also having openings which are laterally spaced throughout from said internal threaded wall when said body members are assembled, said openings communicating with said recess, removable prongs located in said openings and having heads which extend laterally into said recess, the body members being held together and being movable towards each other by reason of their cooperating threads, said body members having inner lateral clamping wall portions between which said heads are clamped in position, one of said body members having an opening through which insulated conducting wires having bared ends can pass to the interior of the device to contact with said heads, the assembled body members having their outer



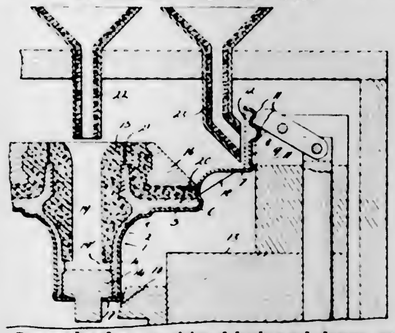
longitudinal peripheries exposed so that said outer longitudinal peripheries can be gripped, one of said body members being non-turnable relative to said removable prongs, so that said removable prongs can be turned in unison with the assembled body members.

2,002,292

WHEEL

Frank H. Le Jeune, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application April 25, 1932, Serial No. 607,479
10 Claims. (Cl. 22—203)



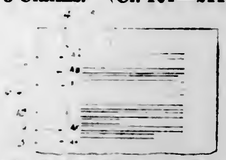
1. In a wheel, a combined hub and drum, comprising a one-piece sheet metal member having annular portions of different diameter and integrally connecting axially offset radially extending portions, and a member cast within the annular portion of smaller diameter and having a radially extending portion at the side of one of said radially extending portions, said cast member forming with said sheet metal member a wheel hub having a radially extending flange.

2,002,293

METHOD OF MAKING PROOFS

Rose Lowensohn, New York, N. Y.

Application March 6, 1934, Serial No. 714,218
8 Claims. (Cl. 101—211)



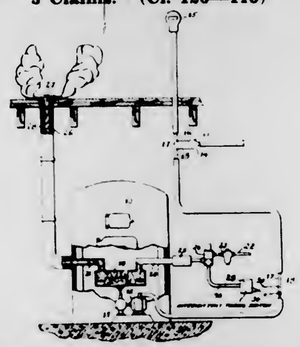
3. The method of making proofs, including providing a main type set up, and an auxiliary type set up for changes or insertions in the main type set up, inking the auxiliary type set up with a tacky relatively slow drying ink, arranging the different type set ups to produce a final single type set up, inking all the type of the final type set up with a less tacky relatively quick drying ink, the inks being coordinated so that indicia printed by the type of the original auxiliary set up shall have a different color than that of the remaining indicia, and finally printing with the type of the said final type set up to produce said indicia, as set forth.

2,002,294

HUMIDIFYING APPARATUS OR THE LIKE

Robert R. McMath, Detroit, Mich.

Application July 29, 1932, Serial No. 626,038
3 Claims. (Cl. 126—113)



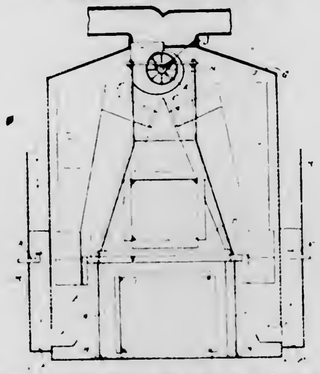
1. The combination with a furnace having a burner and a thermostatic control therefor, of a humidifying apparatus comprising a vaporizing drum located within said furnace in juxtaposition to said burner to be subjected to the direct heat thereof, means for supplying water to said drum to be converted therein, into steam, said means including a water valve, electric means for intermittently opening said valve at predetermined intervals, and a means for leading steam from said vaporizer to the atmosphere to be humidified and diffusing it into said atmosphere, said electric means being in circuit with and primarily under the control of said thermostatic control.

2,002,295

HOT AIR HEATING FURNACE

Charles I. Murdock, Ann Arbor, and Charles C. Cobb, Lansing, Mich., assignors to Dail Steel Products Company, Lansing, Mich., a corporation of Michigan

Application July 20, 1931, Serial No. 552,008
7 Claims. (Cl. 126—105)



1. The combination of a base a hot air heating furnace mounted on said base a jacket for enclosing said furnace a skeleton frame mounted on said base separate from the furnace and arranged within said jacket and an air impeller mounted on said frame within the upper portion of said jacket.

2,002,296

SUPPORT FOR AWNINGS OR SUNSHADES

Arthur Joseph Pope, New York, N. Y.

Application March 14, 1935, Serial No. 11,053
20 Claims. (Cl. 135—5)



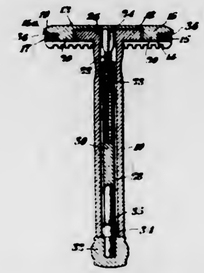
1. An awning support having a fixed horizontal tubular member, a revolvable shaft therein, an awning cover supporting frame carried by the ends of the shaft so that the frame may be tilted to various angles relative to the horizontal, and means to secure the frame in adjusted position.

2,002,297

SAFETY RAZOR AND BLADE

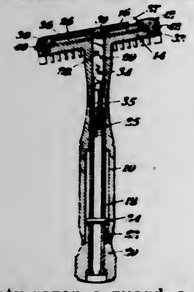
Hyman R. Segal, New York, N. Y.

Application October 3, 1931, Serial No. 566,619
4 Claims. (Cl. 30—12)



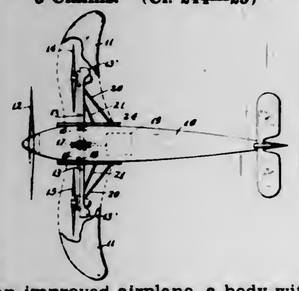
2. In a safety razor, a body part formed with a hollow handle, a clamping plate, an attachment shank thereon and means for attaching said plate to said body part comprising a finger-piece, an attachment stem carried thereby and rotatable within the handle and having a detachable threaded engagement with said shank, a bushing sleeve at the inner end of the handle abutting at its outer end against the finger-piece and forming an annular bearing member in which the said attachment stem is freely rotatable, the peripheral portion of said bushing having a friction fit within said handle adapting it to maintain its position therein while being withdrawable under a strong pull, and a retaining member within the hollow handle passing through the stem and engaging the end of the bushing and forming a coupling connection between the stem and bushing whereby the latter may be withdrawn from the handle by a pull upon the stem.

2,002,298
SAFETY RAZOR AND BLADE
Hyman R. Segal, New York, N. Y.
Application October 31, 1931, Serial No. 572,268
6 Claims. (Cl. 30—12)



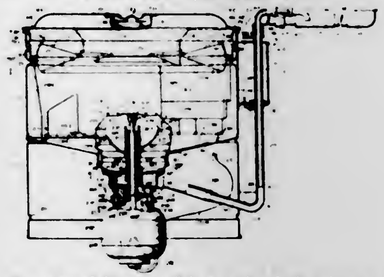
1. In a safety razor, a guard, a hollow handle, the guard having a central non-circular opening extending therethrough and communicating with the handle, a clamping plate provided with an attachment shank having a portion of non-circular cross-section slidably engaging the opening in the guard and extending into the handle, anchoring means on the opposed faces of the guard and plate for anchoring a blade therebetween against relative longitudinal and lateral movements, said anchoring means comprising elongated interengaging recesses in the plate and projections on the guard arranged in axial alinement with and on opposite sides of the shank and opening, positioning means on the guard and plate comprising a pilot pin carried by one of said projections and a pin receiving opening in the plate intersecting one of the recesses therein, a rotary stem extending into the handle and having a threaded engagement at its inner end with the shank, a finger piece mounted upon the outer end of the stem and having a shoulder bearing against the inner end of the handle, a fastening pin extending diametrically through the stem within the hollow handle adjacent to the finger piece, and a bearing ring arranged upon the stem between the shoulder of the finger piece and said fastening pin, the stem being journaled for rotation in said ring and the ring being fitted with a press fit within the handle so as to be frictionally held from rotation therein while being longitudinally withdrawable from the handle with the stem under pressure thereon in the withdrawal movement of the stem.

2,002,299
AIRPLANE
Samuel Sera and John Hatala, Erie, Pa.
Application January 2, 1935, Serial No. 6
6 Claims. (Cl. 244—25)



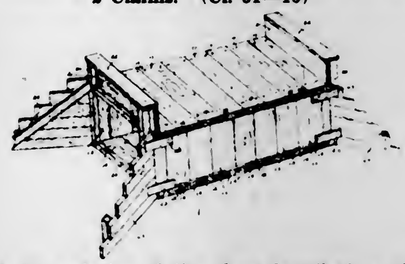
1. In an improved airplane, a body with wings at the sides set back from the front, a motor driven propeller on the front of said body, a transverse shaft through the sides of the body and beneath said wings, motor driven propellers mounted upon the ends of said transverse shaft, means for turning said shaft for changing the direction of the propellers, grooved rings attached upon the sides of said body, and reinforcement struts rigidly connected with said shaft and slidably supported in said grooves.

2,002,300
DISHWASHING MACHINE
Edgar S. Stoddard, Berwyn, Ill., assignor to The Conover Company, Chicago, Ill., a corporation of Illinois
Application March 5, 1929, Serial No. 344,112
6 Claims. (Cl. 141—9)



2. In a washing machine, a tank having a centrally draining bottom, a rotatable upright unenclosed impeller mounted above the lower portion of said draining bottom and spaced therefrom, a plurality of baffles secured to said draining bottom and spaced between said impeller and the wall of said tank, said baffles being spaced from said draining bottom and adapted to retard rotation of liquid; and a well chamber communicating centrally with the bottom beneath said impeller.

2,002,301
CULVERT
Mark C. Storms, Fort Madison, Iowa
Application April 24, 1933, Serial No. 667,621
2 Claims. (Cl. 61—16)



1. In a device of the class described, a plurality of four-sided box units each having a flat bottom portion, two spaced apart dove-tailed grooves in the upper surface of said bottom portion, a flat upper portion, two spaced apart dove-tailed grooves in the under surface of said upper portion, a side portion having a dove-tailed tongue at one end to engage one of the dove-tailed grooves in the bottom portion, and a dove-tailed tongue at its other end to engage one of the dove-tailed grooves in the upper portion, a second side portion having a dove-tailed tongue at one end to engage the other dove-tailed groove in the said bottom portion, and a dove-tailed tongue at its other end to engage the other dove-tailed groove in the upper portion; said upper portion and said lower portion over-lapping said side portions, a tongue and groove means for fitting and securing each of said units to each other to form an elongated conduit, and end portions secured to each end of the assembled units designed to form wings.

2,002,302
ELECTRIC CONNECTER PLUG
Herman L. Strongson, New York, N. Y., assignor to Beaver Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application February 26, 1932, Serial No. 595,292
5 Claims. (Cl. 173—361)



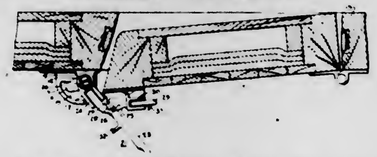
5. An attachment plug comprising a body member of elastic material recessed at its upper portion, provided with an annular groove in the walls of the recessed portion, an insulating disc of thin stiff material adapted to peripherally engage the walls of said annular groove, contacts comprising upwardly extending prongs and base members seated in the recessed portion, terminal screws threaded into apertures in said base members, said disc being apertured to permit insertion of the prongs and being apertured to permit access to said terminal screws, said contacts being held in substantially rigid position solely by pressure exerted on the base members by the insulating disc, and without the use of permanent fastening devices.

2,002,303
WALL AND CEILING CONSTRUCTION
Gordon R. Walper, Detroit, Mich., assignor to Curry Ora Walper, Royal Oak, Mich.
Application May 25, 1929, Serial No. 365,951
7 Claims. (Cl. 72—115)



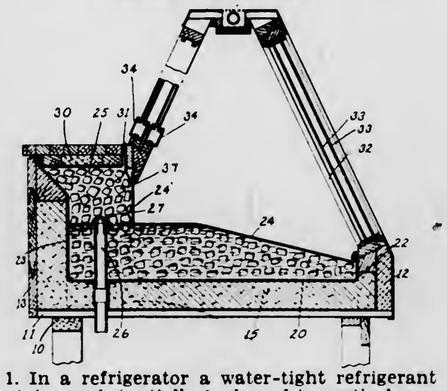
6. A reenforced stud for composition board, comprising a member I-shaped in cross section, having parallel flanges and a base section being provided with plaster retaining loops stretched from the metal.

2,002,304
REFRIGERATOR CAR DOORLOCK
Axel Wasberg, Chicago, Ill., assignor to Allen E. Ostrander, Larchmont, N. Y.
Application August 7, 1933, Serial No. 683,957
11 Claims. (Cl. 268—72)



1. Operating and locking mechanism for double doors hinged in a frame comprising, in combination, a keeper carried by the frame, a latch carried by one door for engaging the keeper, the latch and keeper being disposed to cooperate to apply pressure to the door on which said latch is carried, means for actuating the latch including a shaft journalled on said door for rotation on a vertical axis, a keeper provided on the other door and disposed to be engaged by the actuating means as the first door is being closed to exert a continued pressure on the second door to effect its full closure.

2,002,305
REFRIGERATOR
Charles F. Belshaw, Indianapolis, Ind.
Application April 29, 1931, Serial No. 533,693
3 Claims. (Cl. 62—37.3)



1. In a refrigerator a water-tight refrigerant container substantially L-shaped in vertical section having a horizontally-extended article supporting top of high heat conductivity upwardly inclined toward the vertical arm of said container and supplemented by a vertical extension forming one side of the vertical arm of said container, and the ends of the inclined top wall projecting beyond the end walls of said container, heat insulation imbedding the bottom, sides and ends of said container and the projected ends of the top plate, and a drainage passage leading from said container approximately at the level of the junction between the inclined top wall and its vertical extension, the vertical arm of the container extending substantially above the level of the drainage outlet.

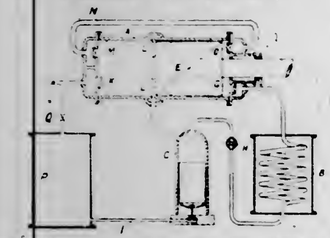
2,002,306
CONCEALED GARMENT FASTENER
Benjamin Berlin and Isidor Herman, New York, N. Y.
Application August 3, 1934, Serial No. 738,343
2 Claims. (Cl. 2—234)



1. In a garment, an invisible fastening means for said garment, the latter having overlapping and underlapping flaps defining an opening, a strip of garment material secured to said overlapping flap, said last mentioned flap overlying the front of the fastening means, said fastening means including a fastener of the continuous type utilizing a pair of stringers, a series of metallic elements secured to each of said stringers, a slider means for connecting and disconnecting said series of metallic elements, one of said stringers secured to said strip of gar-
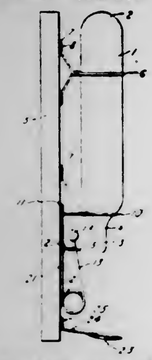
ment material, the second stringer secured to the other flap, and a covering flap secured to said second stringer and overlying the back of the fastener, an edge of the underlapping flap and an edge of said strip being substantially in abutting relationship, whereby to provide a garment capable of receiving a neat pressing with the stringers lying in a single plane and the overlying flap lying flat closely adjacent thereto without bulging.

2,002,307
COMPRESSION REFRIGERATING SYSTEM FOR LOW TEMPERATURE PURPOSES
Henry Brier and John Hornsby Brier, Dartford, England
Application November 10, 1932, Serial No. 641,956
In Great Britain January 9, 1932
3 Claims. (Cl. 62—121)



1. The improvement in the compression-refrigerating method of attaining unusually low temperatures by a refrigerant, comprising first subjecting the refrigerant to a primary evaporation to pre-cool same, then drawing the working gas or vapor from the main evaporator into a single container and adding the gaseous refrigerant from the primary evaporator, and effecting a first stage compression of the working gas from the main evaporator in the single container, thus raising its pressure to substantially that occurring in the primary evaporation zone, subjecting both charges to a second compression in said single container, and subjecting same therein to a third compression and into a condenser.

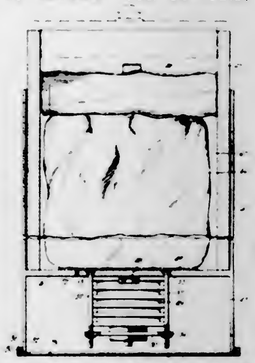
2,002,308
AUTOMATIC FIRE EXTINGUISHER
Leslie B. Burchfield, Houston, Tex.
Application September 6, 1932, Serial No. 631,759
4 Claims. (Cl. 169—26)



2. A fire extinguisher comprising a container, a base, upper and lower brackets of wire on said base having loops therein to receive and support said container, the wire of said lower bracket being extended downwardly therefrom, a spring arm formed as a continuation of said lower loop, a hammer on said arm, means to hold said arm retracted including a link restraining said spring arm, said link comprising two plates laterally recessed to engage said arm and said bracket, and easily fusible means securing said plates together, said hammer acting when released by said link to engage and break said container.

3. A fire extinguisher including a base, a container supported thereon having a reduced lower end forming a frangible seal, a spring arm on said base adjacent said seal, a link, secured to said base and engaging said spring arm, said link including two overlapping plates and a bond of easily fusible metal securing said plates together, and releasable at a predetermined temperature to allow said arm to strike and break said seal from said container and provide a small outlet for a stream of fluid and means below said container constructed and arranged to be engaged by said stream and to splash said stream laterally and atomize the same.

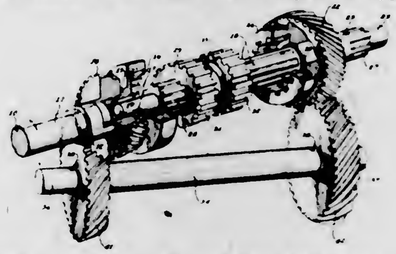
2,002,309
REFRIGERATING APPARATUS AND METHOD
Walter E. Carpenter, Belmar, N. J., assignor to McCabe Maier Corporation, Brooklyn, N. Y., a corporation of New Jersey
Application March 28, 1932, Serial No. 601,504
13 Claims. (Cl. 62—91.5)



1. In a refrigerating apparatus of the character described, a refrigerant container insulated at its top, bottom and sides, and having a heat conductive bottom, a platform constituting a vertically movable part of said bottom, and upon which a mass of solid refrigerant is adapted to rest, and thermostatically controlled means arranged exteriorly of the container operable to raise the platform and shift the solid refrigerant out of direct heat exchange relationship with the bottom of the chamber.

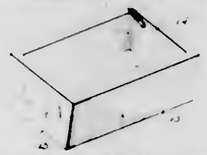
2,002,310
TRANSMISSION MECHANISM
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1931, Serial No. 577,913
8 Claims. (Cl. 74—370)

2. In a motor vehicle transmission having aligned drive and driven shafts, a gearing that comprises a rotatable shaft non co-planar with the axis of the drive and driven shafts, a pair of hypoid gears connecting the drive shaft with the rotatable shaft and a second pair of hypoid



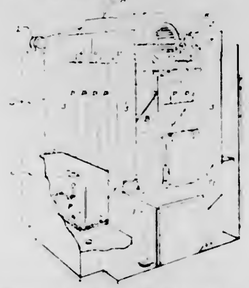
gears connecting the rotatable shaft and the driven shaft.

2,002,311
HOLLOW CEMENT BLOCK
David Stanley Corwin, Greenport, N. Y.
Application June 4, 1934, Serial No. 728,930
5 Claims. (Cl. 72—42)



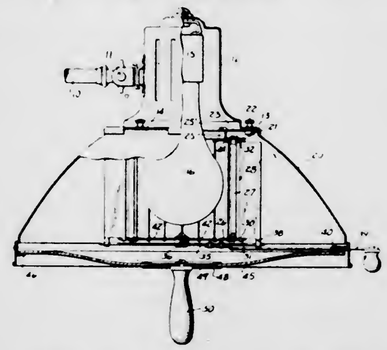
1. A hollow cement block, comprising open mesh reinforcement consisting of mesh material having a bottom and side walls in the form of a box with an open top, a glass plate extending across the top edges of said side walls, and cement covering the inner and outer sides of said open mesh material and said plate and binding these parts together into a hollow unit.

2,002,312
FURNACE AND AIR CONDITIONER
Ernest I. Dail, Lansing, Mich., assignor to Dail Steel Products Company, Lansing, Mich., a corporation of Michigan
Application July 30, 1932, Serial No. 626,362
4 Claims. (Cl. 126—113)



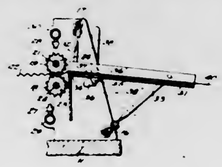
1. The combination of a warm air heating furnace, a jacket surrounding the same, a downwardly extending cold air conduit in heat conducting relation to said furnace to receive heat therefrom, said conduit communicating with the interior of said jacket at the lower end thereof, a water spray within the portion of said conduit preheated by said furnace and a self-washing filter in said conduit between said water spray and the communication of the conduit with said jacket.

2,002,313
LIGHTING APPLIANCE
Leroy C. Doane, Meriden, Conn., assignor to Earl L. Canfield, Hillside, N. J.
Application December 24, 1934, Serial No. 758,896
20 Claims. (Cl. 240—1)



1. In a lighting appliance, the combination with a fixed light source of constant intensity and an outwardly flaring reflector for producing a beam of reflected light of fixed pattern from said source, and a screen for preventing admixture of direct light, of a light intercepting means between the light source and reflector for varying the intensity of the light in said beam without changing the light pattern from the reflector.

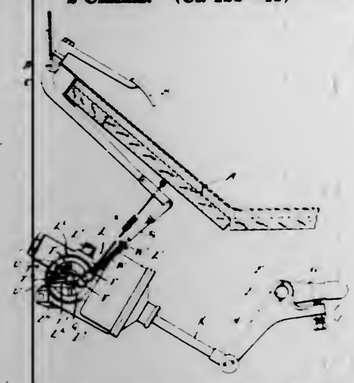
2,002,314
METHOD AND APPARATUS FOR PRODUCING CURLED OR CRIMPED GLASS WOOL
Paul O. E. Friedrich, Millville, N. J., assignor to firm Friedrich & Dimmock, New York, N. Y., a firm composed of Paul O. E. Friedrich and Frank L. Dimmock
Application January 26, 1934, Serial No. 708,529
5 Claims. (Cl. 49—7)



1. In a method of producing curled or crimped strands of glass wool, the steps of longitudinally dividing a flat sheet of glass wool into a plurality of strands, and of imparting a permanent wave formation to the divided strands.

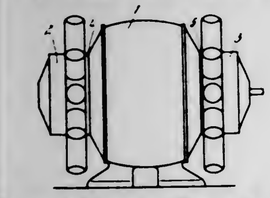
3. An apparatus for producing curled or crimped glass wool, comprising a pair of interweaved corrugated rolls, means for rotating said corrugated rolls, means for heating said corrugating rolls as said rolls are being rotated, a frame for supporting said corrugating rolls, said heating means and said rotating means, a table for feeding a flat sheet of glass thread through said corrugating roll, one edge of said table being adjacent the interweaving lines of contact between said roll, said table being supported on said frame, and means cooperating with said table adjacent and preceding said interweaving lines of contact, dividing the flat sheet of glass thread into a plurality of strands.

2,002,315
HYDRAULIC CLUTCH RELEASE
Claude E. Furgason, Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich., a corporation of Michigan
Application August 29, 1932, Serial No. 630,932
2 Claims. (Cl. 121—41)



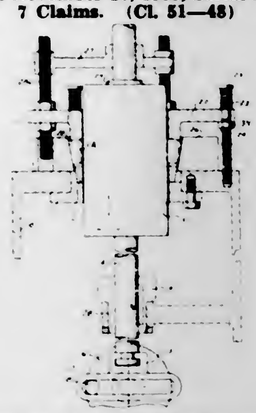
1. An hydraulic unit comprising a cylinder, a piston in said cylinder, a hollow stem for said piston extending therethrough and on opposite sides thereof being provided with ports on opposite sides of said piston, a connection between one end of said stem and the actuated member, an extension of said cylinder on the opposite side of said piston forming an oil pressure chamber surrounding said hollow stem and in communication with the interior thereof, a piston pilot valve within said hollow stem, and actuating means for said pilot valve in a direction axially of said hollow stem comprising a pin projecting from said valve extending through a slot in said hollow stem, a rockable lever engaging said pin to actuate the same, a fluid tight chamber in which said rockable lever is located, a rock shaft for said rockable lever extending out from said fluid tight chamber, and a manually operable control member for rocking said rock shaft.

2,002,316
MACHINE SET COMPOSED OF TWO ENGINES AND A DRIVEN MACHINE
Fritz Gosslau, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 29, 1931, Serial No. 565,805
In Germany October 3, 1930
3 Claims. (Cl. 123—2)



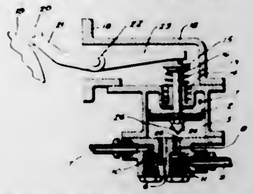
1. A machine set composed of a driven machine, and of two internal combustion engines of the radial type located at the two ends of the driven machine, and having their casings attached directly to the casing of the driven machine, the two ends of the shaft of the driven machine being coupled to the shafts of the internal combustion engines whereby the driven machine serves as a support for the internal combustion engines.

2,002,317
TAPER ROLLER LAPPING DEVICE AND METHOD
William E. Hoke, Baltimore, Md.
Application November 17, 1933, Serial No. 698,395
7 Claims. (Cl. 51—48)



1. A finishing device for taper rollers comprising in combination, a support, a work holder thereon for an annular series of rollers to be finished, an operating cylinder reciprocating and rotating while engaging and finishing said rollers, and a floating ring member freely movable on said support for retaining said rollers against said operative cylinder during the finishing operation.

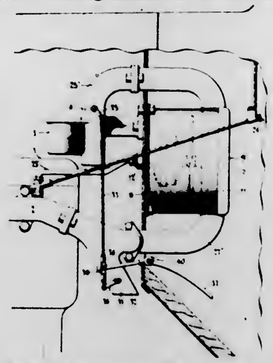
2,002,318
VACUUM STABILIZER
Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application September 26, 1929, Serial No. 395,443
10 Claims. (Cl. 60—60)



1. A suction operated pump for automobile accessories comprising a power drive, a cylinder, a piston operable in the cylinder, means detachably connecting the drive to the piston and adapted for being rendered inoperative upon excessive manifold suction, said pump having an inlet opening and an outlet opening, and a throttle valve carried by the piston and operable upon the breaking of said connection for restricting one of the openings of said pump.

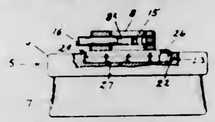
2,002,319
MOTOR VEHICLE COOLING SYSTEM
Henry Hueber, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 30, 1932, Serial No. 627,076
3 Claims. (Cl. 62—152)

1. In a motor vehicle having a passenger compartment, a cooling system for the passenger compartment comprising, in combination with the intake manifold and the carburetor of the internal combustion engine of the motor vehicle power plant, a cooling member having an inlet connected to the carburetor and an outlet connected to the intake side of the engine, means for admitting air to the carburetor to partially form a combustible mixture, such mixture passing through said cooling member on its way to the



engine to effect a cooling of said cooling member by the evaporative action of the mixture as it passes through said member, means for admitting an additional quantity of air to such mixture between the cooling member and the intake manifold to complete the formation of the combustible mixture, and means for directing an air stream over the cooling member for discharge into the passenger compartment.

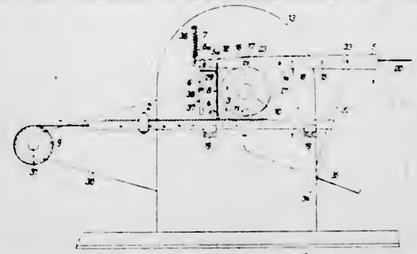
2,002,320
TOOTHBRUSH
Fred A. Jones, Los Angeles, Calif.
Application May 5, 1934, Serial No. 724,134
3 Claims. (Cl. 15—172)



1. In combination, a handle member having a bearing aperture or recess therein, a brush head having a cylindrical grooved portion which turnably engages said aperture or recess, and a spring pressed plunger carried by said handle to operatively engage said groove of said head and thereby releasably secure said head to said handle member, said groove having seats therein to cooperate with said plunger.

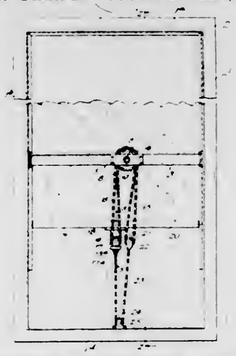
2,002,321
ROTARY DUPLICATOR
Leo Kluitmann, Dusseldorf, Germany
Application January 17, 1935, Serial No. 2,185
In Germany August 10, 1931
5 Claims. (Cl. 101—132)

1. In a rotary duplicator for printing on sheets a device for controlling the change of the form after a predetermined number of copies, comprising a rotatable printing drum, means for automatically changing the form, a movable rack, a rider adjustable on said rack, a stop lever operatively connected with the means for changing the form, and a control projection connected with said drum and being capable to rotate with the same, the said control projection being arranged so as to displace said rack step by step at each rotation of said drum until the rider



adjustable on the rack releases by means of said stop lever the means for automatically changing the form.

2,002,322
WINDOW REGULATOR MECHANISM
Waldo L. Kraemer, Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc., a corporation of New York
Application December 22, 1932, Serial No. 648,359
2 Claims. (Cl. 268—130)

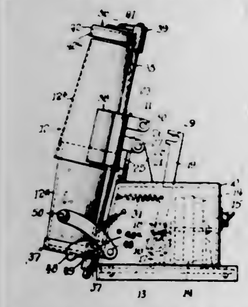


1. In a window construction having a frame and a window-pane slidably mounted in the frame, a regulator for the window-pane comprising a waist rail mounted at substantially the longitudinal center of the frame, a pair of differential circular drive members rotatably mounted on the waist rail, an endles flexible motion-transmitting member engaging the drive members on the upper side thereof and forming two depending loops, an idler engaging the motion-transmitting member at each of said loops, another idler rotatably mounted on the lower cross member of the frame, a tension member connected between the idlers engaging the motion-transmitting member and engaging the idler mounted on the lower cross member, a connector for connecting the motion-transmitting member to the window-pane, and means for rotating the drive members to move the window-pane.

2,002,323
MIXING DEVICE
Arthur L. Kurz, Chicago, Ill., assignor to Kurz Company, Chicago, Ill., a copartnership comprised of N. W. Kurz, W. C. Kurz, and A. L. Kurz
Application April 14, 1934, Serial No. 720,604
10 Claims. (Cl. 259—75)

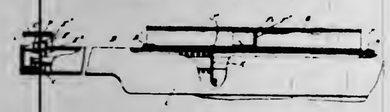
1. A device of the character described comprising, in combination, an elongated carriage, means

for clamping a shaker on said carriage, means supporting said carriage for limited oscillating movement back and forth about an axis extending transversely of said carriage for the purpose of



mixing materials in such a shaker, and for other movement to a substantially vertical position wherein such a shaker may be loaded thereon, and means for imparting such oscillating movement to said carriage.

2,002,324
GUN SIGHT
Charles F. Lefever, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application September 12, 1932, Serial No. 632,856
2 Claims. (Cl. 33—47)



1. The combination with a gun barrel provided with a spring abutment therein, the end of said abutment extending upward through a slot in the barrel and fashioned to form a saddle, of a rear sight formed of a tube mounted above said barrel and provided with a centrally perforated disk arranged therein intermediate the ends thereof, said tube being secured to said barrel and resting upon the saddle at the upper end of said spring abutment.

2,002,325
FINGER HAIR WAVE PINCER
Ragnvald G. Leland, New York, N. Y.
Application October 11, 1934, Serial No. 747,957
4 Claims. (Cl. 132—31)



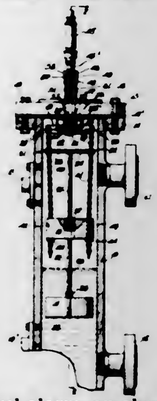
1. Finger wave hair pincers comprising a pair of angle bars, each angle bar of the pair having a finger holding portion integrally extending therefrom.

2,002,326
DOLL EYE MECHANISM
William Lorenz and Lazarus W. Pollack, New York, N. Y.; said Pollack assignor to said Lorenz
Application July 10, 1933, Serial No. 679,604
16 Claims. (Cl. 46—40)



16. An eye mechanism for dolls and the like, comprising a pair of hemi-spherical eyes developed from sheet material and each having opposed bridge pieces of the same stock slidably associated with each other, a gravity member attached upon one of said bridge pieces, and means for horizontally pivotally mounting said eyes in a doll's head, said bridge pieces being in face contact with each other, said gravity member including a vertical strip in contact with the free side of one of said bridge pieces, and lugs on the other of said bridge pieces engageable with the edges of said bridge piece and engaging through openings in said strip for mounting the eyes upon the gravity member and simultaneously holding the bridge pieces in slidable association with each other, said lugs being arranged upon the edge of the bridge piece.

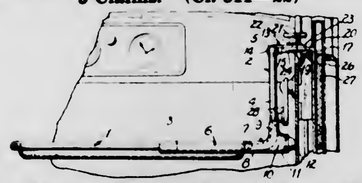
2,002,327
ALARM WATER COLUMN
Frank W. Miller, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1933, Serial No. 686,108
1 Claim. (Cl. 137—102)



In a liquid level alarm, an alarm body having a cap and having spaced integral lugs extending below the cap, a knife edge support held by the lugs and extending between them, a pair of balance levers centrally pivoted side by side on the knife edge support, high and low weights spaced respectively above and below the intended normal level of liquid within the body depending from opposite arms of the balance levers, a valve operating axially vertically above the knife edge axis, indicating means controlled by the valve and a mechanical connection between the valve and the balance levers for operating the valve, said mechanical connection including a yoke pivoting to the respective balance levers on opposite sides thereof at points thereof equidistant form the

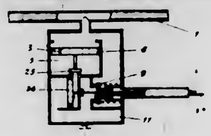
knife edge, the weights, yoke and valve being dimensioned so that, with the high weight above and the low weight below the liquid level within the body, the greater downward force of the high weight as compared to that of the low weight will be adapted to hold the valve closed, while, with partial emersion or immersion respectively of the low or high weight, will be adapted to respectively so increase the opposing downward pull of the low weight or diminish the downward pull of the high weight as to angularly move the levers to open the valve.

2,002,328
SERVING TRAY
Orville Mitchell, Dallas, Tex., assignor to Inside Tray Company, Dallas, Tex., a corporation of Texas
Application March 10, 1934, Serial No. 714,956
3 Claims. (Cl. 311—22)



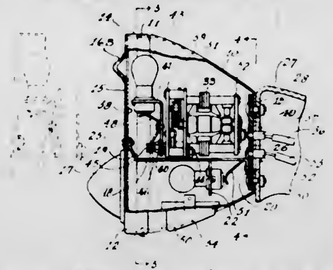
1. A serving tray adapted to be supported from the window sill of an automobile comprising, in combination, a tray, an integral supporting structure therefor consisting of a one-piece metal bar having parallel portions extending along opposite sides of the tray, side portions extending at right angles to said parallel portions and converging upwardly therefrom and a horizontal portion connecting the upper ends of said side portions, flanges on the sides of the tray inclosing and securing said parallel portions to the tray, metal clips secured to said supporting structure at the junctures of said side and parallel portions and projecting rearwardly therefrom, a bumper mounted on the projecting portion of each of said clips for resting against the inside of the door below its sill, and a suspension member secured on the upper end of said supporting structure and including a hook for engaging over the sill of the window, said hook and supporting structure being relatively adjustable.

2,002,329
PRESSURE MEDIUM CONDUIT
Ernst Möller, Karlshorst, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Berlin, Germany, a corporation of Germany
Application October 12, 1932, Serial No. 637,378
In Germany October 15, 1931
3 Claims. (Cl. 303—82)



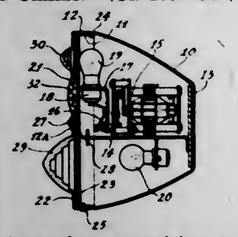
1. In connection with a pressure medium conduit and particularly a compressed air brake pipe extending the length of a railway car, a pair of valve housings connected to said brake pipe and spaced apart so that one housing is disposed at each end of said car, a control piston movably disposed in one of said housings and having a draw wire secured thereto connecting said piston with an outlet valve in a valve housing fixedly associated with the other housing at the other end of the car, a second control piston movably disposed in said other housing also having a draw wire secured thereto and connecting said second piston to a second outlet valve in a valve housing which is fixedly associated with the first one of said housings, means resiliently tending to close said outlet valves, each of which outlet valves when open, admits air from said brake pipe into a chamber provided with means for releasing air therefrom at a predetermined rate of flow, a pressure medium storage chamber formed in each of said first pair of housings, a pair of additional valves individually disposed in said first pair of housings and interposed between said control pistons and the storage chambers in said pair of housings so as to individually control transmission of air from said storage chambers to the control pistons; and a pressure responsive piston both interposed between the storage chamber in each of said pair of housings and the supply thereto of pressure medium from said brake pipe and effective to open the one of said additional valves respectively associated with and controlling transmission of air from said latter storage chamber in each case.

2,002,330
WIGWAG SIGNAL
William E. Signor, Gettysburg, Pa., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa., a corporation of Pennsylvania
Application December 9, 1932, Serial No. 646,502
12 Claims. (Cl. 177—329)



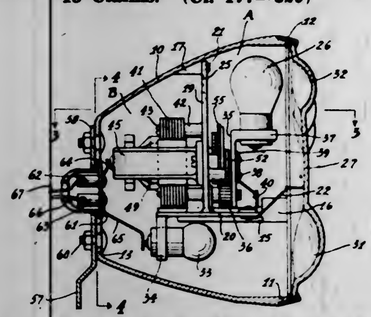
1. A signal assembly comprising a tubular casing wall of which one end region is provided with an inturned rear flange and the opposite front casing end comprises an open mouth region, a bridging member removably mounted to interiorly overlie said flange, a cover for the casing mouth and which cover is provided with a course of transparencies in arcuate formation, a platelike carrier member mounted transversely of the inturned flange and secured to the bridging member, an arm pivot supported by said carrier member in approximate coaxial relation to the center of curvature of the aforesaid arcuate formation, a rocker arm mounted to turn about said pivot, a lamp bulb carried by the rocker arm to swing along the course of said transparencies into successive registration therewith, motive means supported by the carrier member in a forwardly spaced relation to the inturned flange and which means includes a movable actuating element, and a transmission gear also supported by the carrier member and which gear operatively interconnects said rocker arm with the movable actuating element, the aforesaid motive means, transmission gear and rocker arm together with the bridging member and its attached carrier member being assembled as a self-contained operative unit.

2,002,331
SIGNAL LENS MEANS
William E. Signor, Gettysburg, Pa., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa., a corporation of Pennsylvania
Application August 10, 1933, Serial No. 684,488
9 Claims. (Cl. 177—329)



4. A signal member comprising a plurality of flashable lenses arranged abreast with their respective perimeters set apart and having interposed opaque spacings therebetween, each such lens being given a hollow substantially conical cross-sectional profile of which one lens surface is prismatically corrugated in stepped formation, movable flash lamp means, and means moving said lamp means into successive cooperative registration with the aforesaid lenses and their respective prismatic corrugations to produce a combined flash and simulated light whirling effect.

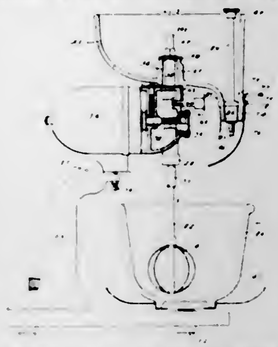
2,002,332
SIGNAL STRUCTURE
William E. Signor, Gettysburg, Pa., assignor, by mesne assignments, to Seco Manufacturing Company, Gettysburg, Pa., a corporation of Pennsylvania
Application August 10, 1933, Serial No. 684,489
15 Claims. (Cl. 177—329)



15. An article of manufacture comprising a die-cast motor mounting member including a foot flange having an apertured wall erected upon one side face of said flange and which flange has a lamp socket depending from its opposite side face, a resilient extension plate carried by the foot flange, and a dead axis entered into the wall aperture and extending axially lengthwise of the aforesaid one side face.

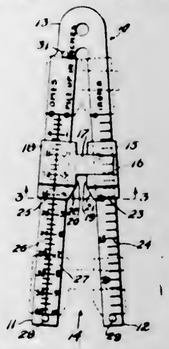
2,002,333
PORTABLE HOUSEHOLD MIXER AND JUICE EXTRACTOR
Hermann M. Alfred Strauss, Western Springs, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1931, Serial No. 561,578
9 Claims. (Cl. 259—84)

1. A household mixer and juice extractor having a motor and reduction gearing assembly, a vertical drive spindle permanently mounted in said assembly and driven by said reduction gearing, a beater shaft coaxial beneath and an extractor shaft coaxial above said drive spindle, each of said shafts having detachable engagement with said drive spindle, a juice extractor bowl having a central upstanding flange on its base provided with a vertical opening through



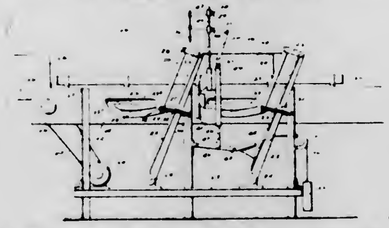
which the extractor cone shaft extends, a plate interposed between the extractor bowl and said assembly attached to the extractor bowl and serving to locate the extractor bowl with respect to said assembly, and means providing detachable engagement between said plate and said assembly serving to prevent accidental displacement of the extractor bowl from its operative position.

2,002,334
CALIPERING DEVICE
Alfred H. Avery, Malden, Mass., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application January 11, 1934, Serial No. 706,182
4 Claims. (Cl. 33—143)



1. A calipering device for measuring the thickness grades of blanks used in the manufacture of shoes comprising a body member having two rigidly connected legs disposed side by side and extending divergently from their connected ends to receive between them a blank inserted edgewise, a measuring gauge including two jaw members, one mounted to slide on one of the legs and the other mounted to slide on the other leg, said jaw members being connected to slide in unison and having parallel blank engaging surfaces adapted to engage against opposite marginal surfaces of the blanks when the jaw members approach each other as they are slid inwardly on the body member toward the connected ends of the legs, and a transverse abutment on the gauge immediately adjacent the inner ends of the blank engaging surfaces of the jaw members to confine the measuring action of the blank engaging surfaces to the margin of the blank.

2,002,335
STENCILING OR DECORATING APPARATUS
Randolph H. Barnard, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 29, 1933, Serial No. 704,435
12 Claims. (Cl. 101—124)



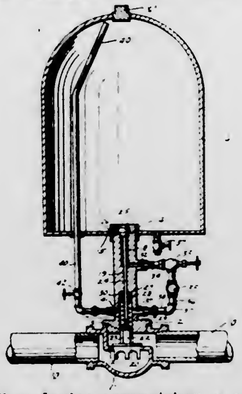
1. A marking device, means for carrying articles in succession through a marking zone, means carried on said marking device in the path of said articles and providing with each article, a driving connection from said carrying means through the article to the marking device and causing the marking device to travel with each article through said zone, means for causing the marking device to mark each article, and means for returning the marking device.

2,002,336
WINDSHIELD CLEANER
Barton A. Bean, Jr., Williamsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application October 17, 1929, Serial No. 400,342
12 Claims. (Cl. 15—252)



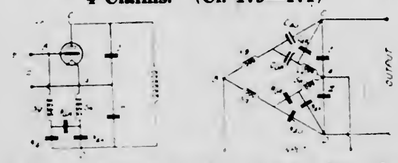
1. A windshield cleaner comprising an endless actuator, spaced supports about which the actuator operates, means for reciprocating the actuator, an exterior wiper, an interior wiper, said wipers being disposed for acting respectively on the outer and inner surfaces of a windshield glass, means securing one of said wipers to the actuator for being moved thereby back and forth on one side of the windshield glass, and means detachably coupling the companion wiper to the actuator for being moved by the latter back and forth on the opposite side of the windshield glass, said coupling means comprising a position determining member fixed to said actuator at a point spaced from said one of said wipers and movable back and forth with the latter, and a coacting member connected to said companion wiper and automatically engageable with said position determining member in definitely spaced relation to said secured wiper, whereby said companion wiper will always be coupled to the actuator definitely spaced from said secured wiper to insure said wipers cooperating to clean predetermined surface portions of the windshield glass.

2,002,337
FEEDING DEVICE
Stephen Bullum, Overton, Tex., assignor of one-half to Jon R. Long, Fort Worth, Tex., and one-half to Wallace Davis, Houston, Tex.
Application March 27, 1933, Serial No. 662,992
9 Claims. (Cl. 137—165)



1. A feeding device comprising, a container for a liquid to be fed, a valve case, a valve in said case, a liquid feeding conductor extending from the container to the valve case, a second valve for controlling the flow of liquid from the container to the feeding conductor connected with the first valve and operated thereby, and a stuffing box between the valves and through which the connection between said valves passes to prevent the liquid or the fluid from by-passing the liquid feeding conductor.

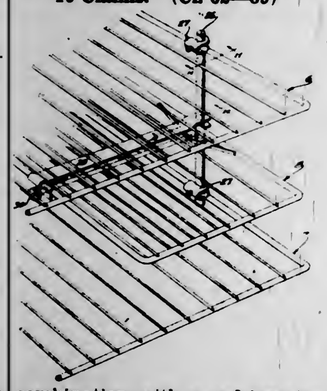
2,002,338
BRIDGE ARRANGEMENT
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 31, 1933, Serial No. 696,067
In Germany August 20, 1932
4 Claims. (Cl. 179—171)



1. A neutralizing circuit of bridge form for an electron discharge device having an anode, cathode, and grid, and a condenser in the output circuit of said devices connected between said anode and cathode, comprising a first inductance of a value substantially equal to the self-inductance of the lead in the device connected to the grid, a second inductance of a value equal to the self-inductance of the lead in the device which is connected to the cathode, a direct connection from one terminal of said first inductance to said grid lead, and a direct connection from one terminal of said second inductance to said cathode, the other terminals of said two inductances being connected together through a condenser whose value is equal to the value of the internal capacity between said grid and cathode electrodes, and two serially connected condensers arranged in parallel with respect to said first condenser,

one of said two serially arranged condensers having a value substantially equal to the value of the internal capacity between said anode and grid, and the other of said two condensers having a value substantially equal to the internal capacity between said anode and cathode, and a connection between the junction point of said two condensers and said output circuit.

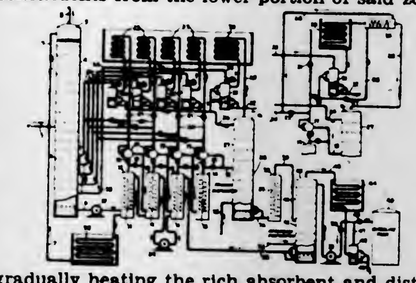
2,002,339
REFRIGERATOR STRUCTURE
Lloyd G. Copeman, Flint, Mich.
Application December 23, 1933, Serial No. 703,744
10 Claims. (Cl. 62—89)



1. In combination with a refrigerator of the type having a food compartment, a perforate fixedly mounted shelf extending across the food compartment and spaced from the bottom of the main food compartment to form an auxiliary food compartment to receive articles of fairly large size, a cooling unit positioned in the food compartment for setting up a positive circulation of air in the compartment and through said shelf, a vertically adjustable perforate half shelf positioned beneath said fixedly positioned shelf, said half shelf being substantially flat and including micro-adjustment means for moving said half shelf from a point where said half shelf substantially merges with said fixed shelf to a point where said shelf substantially merges with the horizontal bottom of the food compartment whereby said entire space below the fixed shelf may be filled with large articles all the way across or said half shelf may be selectively adjusted to any position above smaller articles supported by the bottom of the food compartment and below the half shelf and thus permit the storing of food between the lowered half shelf and the fixedly mounted shelf to thereby permit filling at all times the entire vertical space between the fixedly positioned shelf, said half shelf increasing the mass of hold-over material within the food compartment without taking up any usable space and so connected with a wall of the food compartment as to accelerate the transfer of heat from foodstuffs placed thereon by heat conduction through the shelf and food compartment walls.
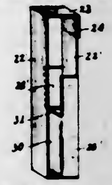
2,002,340
RECOVERY OF STABLE GASOLINE FROM NATURAL GAS
Edwin R. Cox, Los Angeles, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 30, 1930, Serial No. 485,361
10 Claims. (Cl. 196—8)

1. In the recovery of gasoline from natural gas, the process that comprises charging a liquid absorbent downwardly through a zone of absorption, introducing a rich gas into an intermediate portion of said zone, withdrawing a substantially dry gas from the upper portion and rich absorbent containing the desired gasoline and other lighter constituents from the lower portion of said zone,



gradually heating the rich absorbent and distilling therefrom a plurality of fractions of different volatility containing substantially all of said other constituents and returning the latter, at different elevations, to the lower portion of said absorption zone and finally recovering a stable gasoline from the rich absorbent.

2,002,341
CORN CURE PACKAGE
Bertie Ellis, New York, N. Y.
Application April 3, 1934, Serial No. 718,751
3 Claims. (Cl. 206—47)

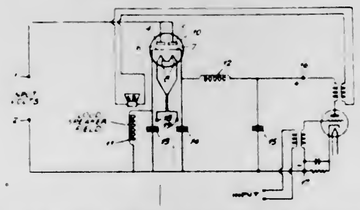


1. A corn cure package, comprising a bottle for liquid corn cure for initial application on corns, calluses, warts and the like, mole skin adhesive pads located around the sides of said bottle for subsequent application to the areas treated to destroy the root of the corn, etc., by protecting the tissues or underskin, means for securing said pads detachably in position to arrange for the use of the liquid of the bottle without disturbing the pads, and a "cellophane" or other similar wrapping around the bottle and holding the parts as a unit, said means for securing the pads comprising a sheet strip bent and secured to form sides, top and bottom for receiving and holding the bottle, but open at the front and back and front and rear portions partially extending across the open front and rear sides.

2,002,342
PROCESS FOR THE PRODUCTION OF CAUSTIC POTASH AND OXALIC ACID
Max Enderli, Oestrich, Germany, assignor to firm Rudolph Koepp & Co. Chemische Fabrik A. G., Oestrich, Germany, a corporation of Germany
No Drawing. Application July 5, 1933, Serial No. 679,080. In Germany July 9, 1932
2 Claims. (Cl. 260—115)

1. A process for the production of caustic potash and oxalic acid comprising the steps of producing potassium formate from potassium sulphate and an alkaline earth metal formate, converting the potassium formate by heating into potassium oxalate, converting the potassium oxalate with an alkaline earth metal hydroxide into potassium hydroxide and the corresponding alkaline earth metal oxalate, separating the resulting caustic potash solution from the alkaline earth metal oxalate and working up the alkaline earth metal oxalate with sulphuric acid into oxalic acid.

2,002,343
POWER CIRCUITS
Francis H. Engel, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1933, Serial No. 665,641
3 Claims. (Cl. 250—27)



1. In a power supply circuit for energizing amplifying apparatus from either alternating current or direct current power mains, said amplifying apparatus including at least one space discharge device having an anode circuit and a reproducer provided with a field winding, an electronic tube having two anodes and two indirectly heated cathodes, a heating circuit for said cathodes, a connection from one terminal of the power mains to both said anodes, a connection from the other terminal of the mains to one of the rectifier cathodes, said last named connection including said field winding, a filter condenser shunted across said field winding, a connection from the other cathode to the last named terminal of the power mains including the anode circuit of the space discharge device and a filter condenser shunted across said anode circuit.

2,002,344
COMMUNICATION CABLE WITH REDUCED MAGNETIC COUPLING
Ernst Fischer, Berlin-Lichterfelde/West, and Hans Gantzckow, Berlin-Weissensee, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application December 8, 1932, Serial No. 646,282
In Germany December 12, 1931
6 Claims. (Cl. 179—79)

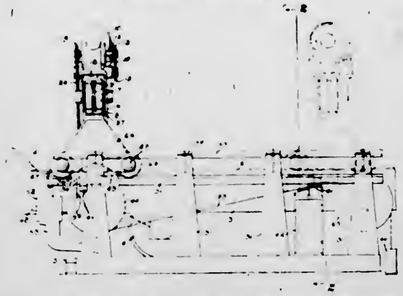


1. A cross-talk proof communication cable having twin cores, at least one of said twin cores forming only one single communication channel of the cable installation, and having each of its component core elements divided into a plurality of divisional conductors and twisted with the divisional conductors of the component core element to form a magnetically closed conductor system for preventing magnetic lines of force from straying from one communication channel into an adjacent channel.

2,002,345
PROCESS OF MAKING CHEESE
Carl Frehner, Evansville, Wis.
No Drawing. Application May 4, 1933, Serial No. 669,372
7 Claims. (Cl. 99—11)

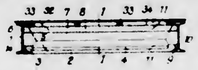
1. The process of making loaf-type cheese, which includes the use of comminuted natural cheese, heating said cheese, adding to said cheese a predetermined quantity of solid calcium sulphite, by weight up to approximately seventy-five one hundredths of one per centum of the weight of said cheese, mixing said calcium sulphite with said cheese, and thereafter putting said mixture into containers.

2,002,346
CUT-OFF MECHANISM FOR SHEET MATERIAL
David H. Goodwillie and Emmett L. Walters, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 12, 1928, Serial No. 277,115
14 Claims. (Cl. 49—14)



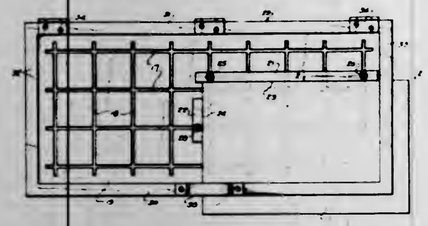
1. In a device of the character described, a series of traveling tables for supporting material to be cut, the adjacent ends of said tables being spaced, a cutter carriage, means for periodically moving the carriage forwardly in synchronism with the tables, a rotary transverse cutter supported by said carriage, and means for moving the carriage transversely across the material during its synchronous travel, said rotary cutter including a blade traveling in a plane substantially midway between the adjacent table ends and a pair of blades coaxial with the first blade but having a smaller diameter, said last mentioned blades, during their transverse travel, being in shearing relation to the adjacent table ends.

2,002,347
STRUCTURE FOR BUILDINGS
Heinrich Griesel, Berlin, Germany
Application September 30, 1931, Serial No. 566,023
In Germany October 3, 1930
24 Claims. (Cl. 72—66)



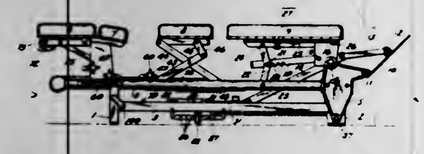
4. Means for producing a flexible and stress-proof connection of a lateral girder with a ceiling plate comprising flexible iron mountings which are inserted by one end into the ceiling plate and by the other end into the lateral girders, and thus spacedly interconnect the ceiling plate and the lateral girders.

2,002,348
CUTTING TABLE
Raoul J. Louviaux, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 7, 1931, Serial No. 573,544
8 Claims. (Cl. 33—80)



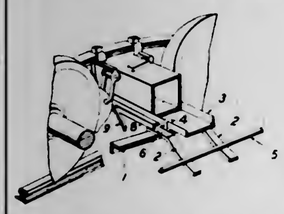
3. A cutting table for sheet material, including a substantially horizontal top upon which the sheet to be cut is adapted to rest, means secured to said top and engageable by said sheet to effect proper positioning of the latter, and a frame adapted to rest upon the sheet and acting as a guide for the cutting tool; said frame being composed of a plurality of members adjustable relative to one another and independently of said positioning means to vary the contour thereof.

2,002,349
ADJUSTABLE TABLE
Edward F. Lundeen, Rock Island, Ill.
Application June 22, 1934, Serial No. 731,906
18 Claims. (Cl. 128—72)



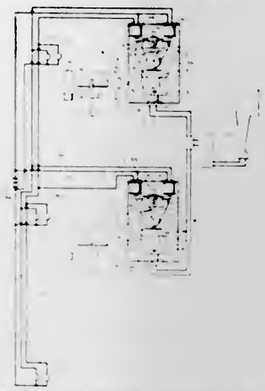
13. In a table of the character indicated, a cushion supporting frame, a cushion support rising therefrom and having a cushion pivotally connected thereto, a rack and pinion mechanism connecting said cushion and said support for adjusting the angular relation of the cushion with respect to the frame.

2,002,350
RAILWAY BRAKE BEAM AND BOTTOM ROD EMERGENCY SUPPORT
Errell C. Lunsford, Shreveport, La.
Application April 10, 1933, Serial No. 665,399
5 Claims. (Cl. 188—210)



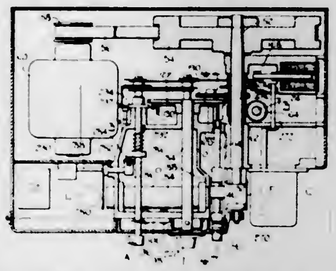
1. A structure of the character described having angle bars, each having two holes and two slots therein, two tieing straps adapted to be bolted on said angle bars in a manner to prevent said J bolts from sliding in the slots when attached to the spring plank of trucks of railway equipment.

2,002,351
SOUND FILM APPARATUS
Freeman H. Owens, New York, N. Y.
Application June 24, 1932, Serial No. 619,065
20 Claims. (Cl. 179—100.3)



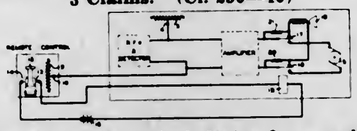
1. Sound film apparatus comprising a photo-electric cell, an illumination system therefor, means to guide a film between the illumination system and the photo-electric cell, a perfectly opaque shutter so mounted as to be movable gradually into the path of illumination, and means to adjust and to hold the same fixedly in position of adjustment in order to provide optical means for determining the normal volume of the sound produced by said apparatus, and thereby to obviate the disadvantages attendant upon volume control by changes in the electrical circuits.

2,002,352
SOUND FILM APPARATUS
Freeman H. Owens, New York, N. Y.
Application March 21, 1933, Serial No. 661,901
41 Claims. (Cl. 179—100.3)



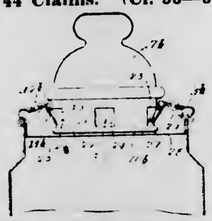
1. Sound film apparatus comprising a lamp, an optical system including a first lens system, a mechanical slit, and a second lens system, a light-sensitive cell, means to guide a film between the second lens system and the cell, and means to move the second lens system alone transversely of the axis of the optical system in order to shift the light beam transversely of the optical system to direct it upon a sound track on the film.

2,002,353
REMOTE CONTROL DEVICE
Louis W. Reinken, Brooklyn, N. Y., assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J., a corporation of California
Application February 27, 1932, Serial No. 595,560
3 Claims. (Cl. 250—40)



1. In a remote control device for a radio receiver, the combination of a radio receiver having an amplifying stage influenced by incoming signals, an energy supply circuit, an electrically balanced circuit by which said energy supply circuit is connected to the input of said amplifying stage, said electrically balanced circuit including a balancing resistance as a part thereof and when balanced preventing the supply of energy to said amplifying stage input and when unbalanced causing energy to be supplied thereto, means remote from said radio receiver for unbalancing said electrically balanced circuit, a motor having its field winding connected to said supply circuit and its armature connected to the output of said amplifying stage, a tuning element for the radio receiver connected to the armature shaft of the motor so as to be operated thereby, and a contact arm for said balancing resistance connected to the armature shaft of said motor and moved thereby over said balancing resistance until said connecting circuit is restored to balanced condition.

2,002,354
TOP FOR PERCOLATORS AND THE LIKE
Emiel P. Seghers, Chicago, Ill.
Application July 12, 1928, Serial No. 292,278
44 Claims. (Cl. 53—3)



4. A percolator cover comprising a lid having an opening therein, and a plurality of spaced resilient perforated clips adapted to engage a glass top having a lateral projection forming a retaining shoulder, when said top is in said opening, said clips having portions projecting toward the center of said opening in position to have their lower ends engage said projection on said top.

20. In a percolator cover, the combination with a lid having an opening therein, of an annular ring arranged within said opening and having a portion adapted to receive the edge of said lid surrounding said opening to hold said lid and ring in fixed relation to each other, a glass top having a flange fitting within said ring, said flange having a recess therein, and means on said ring arranged within said recess.

29. A percolator top having an apron and a bead thereabove for limiting movement of said apron into an opening in a percolator cover, said apron being provided with a circular abutment spaced from said limiting means, thus forming an annular depression between the limiting means and said abutment surface, a separate ring on said apron adapted to fit in said annular depression and also contacting the limiting bead, said ring having fingers thereon adapted to hold the top and cover together.

37. In combination, a coffee pot lid having a central opening, a percolator top having a circular bead and a depending apron provided with an enlargement and a separate continuous resilient ring encircling the apron above said enlargement for retaining the lid and top in locked relation.

2,002,355
PERCOLATOR TOP
Emiel P. Seghers, Chicago, Ill.
Application December 8, 1930, Serial No. 500,712
44 Claims. (Cl. 53—3)



1. In a percolator cover, the combination with a lid having an opening therein, of a glass top for said lid having a portion adapted to be arranged within said opening, a projection on said top for engaging the edge of said opening to resist withdrawal of said top from said lid, a second projection on said top spaced from said first projection in a direction away from the edge of said opening, and a spring co-operating with said lid and said top and resiliently engaging said second projection to hold said top firmly within said opening and thereby prevent rattling thereof while permitting unequal expansion and contraction of said top and lid.

21. A glass top for percolators comprising a bead on said top for limiting the movement of said top into the opening provided in the lid of a percolator, and a flange adapted to be arranged within said opening, of a peripheral projection on said flange and spaced from said bead, and a conical projection having the apex thereof extending toward the spherical projection and substantially in alignment therewith in a direction parallel with the axis of said top.

31. A container lid having an opening therein, a glass top having a portion fitting into said opening, means for limiting the movement of said top into said opening, a projection on said top portion spaced from said limiting means and adjacent said lid, a second projection of wedge shape on said portion with the face thereof opposed to said limiting means, and resilient means co-acting with said face and said lid to hold said top connected to said lid.

40. A container lid having an opening therein, a glass top having an apron portion fitting into said opening, means for limiting the movement of said apron into said opening, two spaced projections on said apron one above the other in a direction away from the said limiting means, and a ring having spring fingers contacting only the lower one of said projections.

2,002,356
VEHICLE
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 16, 1932, Serial No. 622,927
28 Claims. (Cl. 105—364)

1. A vehicle floor forming web having a portion recessed upwardly to provide a housing for

the upper part of a brake hanger and its supporting element, said housing including end walls adjacent to and extending alongside of said parts.

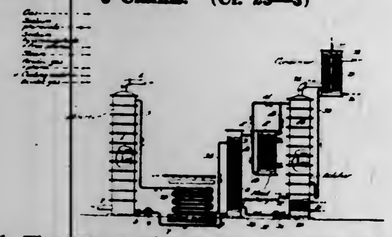


2,002,357

PROCESS FOR THE PURIFICATION AND SEPARATION OF GASEOUS MIXTURES

Mark Shield, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware

Application October 31, 1931, Serial No. 572,271
6 Claims. (Cl. 23—3)



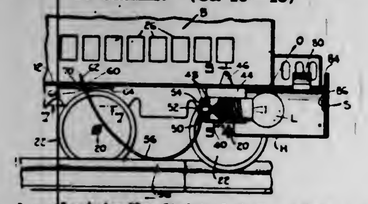
1. The process of removing an acidic gas such as hydrogen sulphide, carbon dioxide or the like from a gaseous mixture containing the same, which comprises recirculating an absorbent liquid comprising a solution of an alkali-forming metal and a phenol in proportions to form an immiscible phase thereof in the absorbent liquid at the absorption temperature in the absorption stage through a cycle comprising an absorption stage located in the path of the gas and thereby removing acidic gas aforesaid therefrom and an actification stage in which it is caused to pass in counter-current to a flow of steam and thereby be freed from the absorbed acidic gas and be regenerated for further absorption as aforesaid, cooling vapors issuing from said actification stage to cause the condensation of phenol therefrom, and transferring the thereby condensed phenol to said actification stage at a point in said stage intermediate the points of introduction thereto of the absorbent liquid and steam, respectively which is closer to the point of introduction of steam than to the point of introduction of the liquid and thereby maintaining an additional recirculating load of phenol into and out of the recirculating absorbent liquid in the actification stage.

2,002,358

ELECTRICALLY LIGHTED TOY

Anthony N. Smith, Girard, Pa., assignor to The Girard Model Works, Inc., Girard, Pa., a corporation of Pennsylvania

Application August 18, 1933, Serial No. 685,699
17 Claims. (Cl. 46—48)



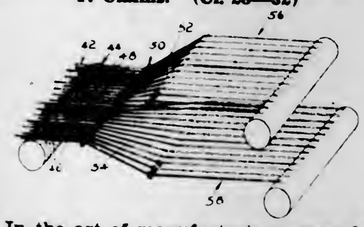
17. An electrically lighted toy railway coach comprising an enclosed small size toy body having a top, windowed side walls, and a bottom, a flanged wheel and axle assembly therebeneath, and lighting means for illuminating said toy body including a relatively small lamp housing detachably mounted beneath the bottom of the toy body, a lamp socket supporting a lamp in said housing, whereby said lamp is not directly visible when looking through said windows in normal manner, said socket being mounted and grounded on the toy body, and means connecting the insulated center contact of the lamp socket to a source of energization, the bottom of said toy body being cut away above said housing to permit the light from the lamp to shine upwardly into the toy body.

2,002,359

PRINTED FABRIC

Albert W. Baylis, Scarsdale, N. Y.

Application April 25, 1933, Serial No. 667,772
17 Claims. (Cl. 28—32)



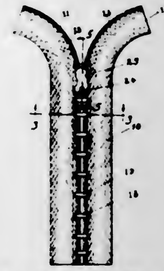
1. In the art of manufacturing woven fabrics having predetermined designs depicted thereon, in which the design, at least in part, is produced by a process of printing, which comprises: arranging a plurality of threads to produce a warp for the weaving of a fabric, printing on the warp so formed a predetermined design, and then separating the printed warp threads into a plurality of individual warps no one of which includes the original warp threads in the original relationship to each other, but the threads of each such individual warp maintaining the same succession as in the original relationship.

2,002,360

FASTENING AND BUTTONING MEANS FOR GARMENTS, AND THE LIKE

Arthur Berkner, Passaic, N. J.

Application June 24, 1933, Serial No. 677,363
2 Claims. (Cl. 24—207)



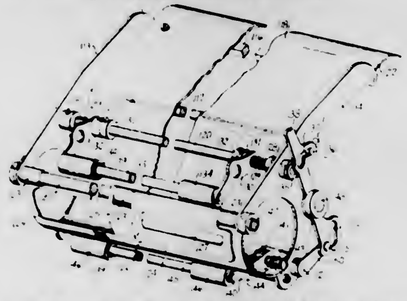
1. A device of the class described, comprising, in combination, a pair of flap-members to be fastened together, seams upon the edges of the latter, a strip of pliable material arranged beneath the said flap-members and having its lower end integrally connected thereto, fasteners secured to the said strip at intervals, each of the said fasteners having an integral body portion comprising a bottom piece and a downwardly curved top portion, a wall securing said bottom piece and top portion together, and having both sides formed with concave portions adapted to receive said seams therein, the said bottom piece being made with grooves and apertures therein to receive sew-on-threads, whereby to connect the fasteners to said strip of pliable material, the sew-on-threads passing through said apertures formed at the bottom of the grooves arranged in said fasteners, and a manipulating key mounted upon the other end of said strip, said key being formed with a body and a tongue pivotally secured thereto for gripping the flap members so as to arrest the movement of the strip, relative to the flap-members.

2,002,361

CARRIAGE FOR ACCOUNTING MACHINES

Raymond A. Christian, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application January 2, 1932, Serial No. 584,438. Divided and this application October 28, 1933, Serial No. 695,661
4 Claims. (Cl. 197—127)



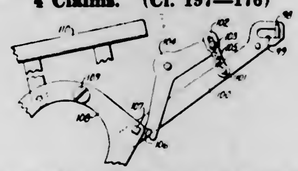
1. In a machine of the class described having printing means and a traveling carriage carrying a platen roll; the combination of a slip chute adapted to laterally locate slips having a plurality of vertical columns in proper relation to the printing means; means on the slip chute for concealing the printing in a particular column of the slip; and means for causing only the printing line to be exposed to view in other particular columns of the slip.

2,002,362

TABULATING MECHANISM FOR ACCOUNTING MACHINES

Raymond A. Christian, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application February 2, 1932, Serial No. 584,438. Divided and this application October 28, 1933, Serial No. 695,662
4 Claims. (Cl. 197—176)



1. In a machine of the class described, having a traveling carriage and means for releasing the machine for operation; the combination of tabulating means for the traveling carriage; means for disabling the tabulating means; and means operated by the tabulating means when disabled for locking the machine releasing means.

2,002,363

DISPENSING CONTAINER AND METHOD OF MAKING THE SAME

Adrian O. Daller, Dennis Port, Mass., assignor to Daller Carton Company, Inc., New York, N. Y., a corporation of New York

Application May 6, 1933, Serial No. 669,664
7 Claims. (Cl. 229—17)



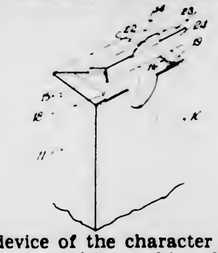
1. In a device of the character described, the combination comprising a wall having a plurality of layers and areas in registry in said layers adapted to be independently removed, a cover movably overlying said areas, and means adapted to hold said cover in closed position after said cover has once been movably opened.

2,002,364

CONTAINER

Adrian O. Daller, Dennis Port, Mass., assignor to Daller Carton Co., Inc., New York, N. Y., a corporation of New York

Application March 16, 1934, Serial No. 715,866
11 Claims. (Cl. 229—51)



1. In a device of the character described, the combination comprising a hinged cover section and a second section integrally extending from and severable from a third section and secured in part to said cover section and having a free portion lying parallel with and adjacent said cover and adapted to be bent back on itself to serve as a tucking-in flap against said third section.

2,002,365

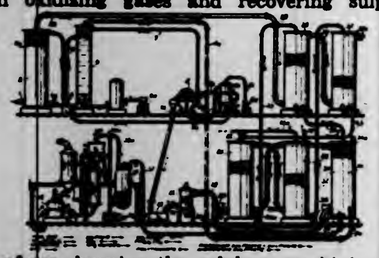
PROCESS FOR REMOVING HYDROGEN SULPHIDE FROM GASES CONTAINING AMMONIA AND HYDROGEN SULPHIDE

Constanz Eymann, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware

Application February 23, 1932, Serial No. 594,430
In Germany February 23, 1931
12 Claims. (Cl. 23—225)

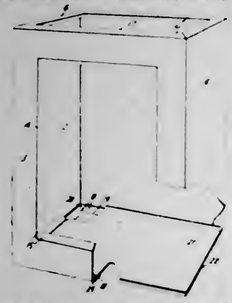
1. The process for removing hydrogen sulphide from coal distillation gases or the like with recovery of useful substances, comprising treating the gas to be purified in one stage with a solution of alkali sulphur arsenic compounds capable of absorbing hydrogen sulphide and thereby removing such quantity of hydrogen sulphide from the gas as to leave therein substantially just that

quantity of hydrogen sulphide required for subsequent substantially complete hydrogen sulphide purification by the reaction between four molecules ammonium bisulphite with each molecule of hydrogen sulphide with the production of a residual liquor that is primarily polythionate, regenerating the used washing liquid by treating with oxidising gases and recovering sulphur



therefrom, burning the sulphur, combining the sulphur dioxide thus formed with ammonia from the gas to form a solution of ammonium sulphite and ammonium bisulphite, and treating the gas to be purified in another stage with the said ammonium sulphite ammonium bisulphite solution so as to remove the residual hydrogen sulphide with discharge of the solution as a principally polythionate liquor.

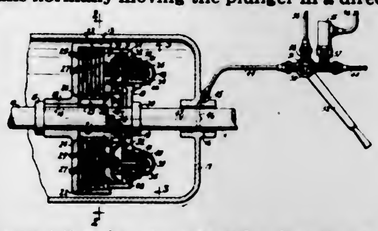
2,002,366
METALLIC CABINET STRUCTURE
Hiroshi Ete, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application June 14, 1933, Serial No. 675,682
In Japan November 18, 1932
6 Claims. (Cl. 220—81)



1. A cabinet structure including a plurality of sheet metal walls, one of said walls having an opening therein, a metal plate welded to said one wall within said structure and closing the opening in said wall, said plate having a peripheral flange spaced from the others of said walls, and means including resilient material between said flange and said walls for hermetically sealing said plate and said walls.

2,002,367
HYDRAULIC CLUTCH
Emery H. Fahrney, Oak Park, Ill.
Application March 20, 1933, Serial No. 661,723
3 Claims. (Cl. 192—85)

1. An hydraulic clutch comprising a driving and a driven shaft, a housing secured to each of the shafts and each having an open side, the open sides of the housing being disposed adjacent each other and one telescoping into the other for a short distance, a series of laterally spaced friction discs secured to one of the shafts, a series of friction discs secured to the other shaft and alternately arranged with respect to the first said series, said discs being laterally shiftable, a plunger in one of said housings encompassing the shaft and contacting one of the discs, resilient means normally moving the plunger in a direction



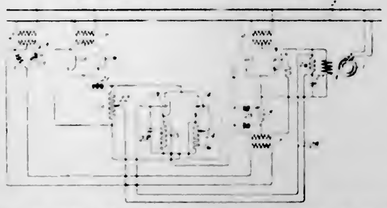
to retract the plunger, means for directing a fluid under pressure into one of the housings to act upon the plunger to move it against the stress of the said resilient means to force the discs into frictional engagement, a channel in one face of the plunger and encompassing the shaft in said chamber, and a packing fitting in said channel and contacting the wall of the housing.

2,002,368
DIAPER PAD
Charles L. Fancher, Cleveland, Ohio
Application June 28, 1934, Serial No. 732,906
2 Claims. (Cl. 128—284)



1. A sanitary diaper pad comprising a sheet of waterproof material, a layer of cellulose absorbent material characterized by its ability to disintegrate when wet, and fastening means for securing the layer and sheet together at intervals but permitting said layer when wet to become detached from the sheet for disposal.

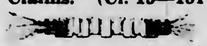
2,002,369
ELECTRIC CONTROL MEANS
Claus Frohmer, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application November 18, 1932, Serial No. 643,248. Renewed October 27, 1934. In Germany November 25, 1931
9 Claims. (Cl. 171—119)



1. In combination, a control device comprising two pairs of impedances connected in the form of an electric bridge, two of said impedances comprising electric valves connected in electrically adjacent arms of said bridge and provided with a control grid, an electric circuit connected to control the potential of the control grid of one of said valves in accordance with a condition to be controlled, and an electric circuit connection to control the potential of the control grid of the other of said valves in accordance with the anode current of said other valve.

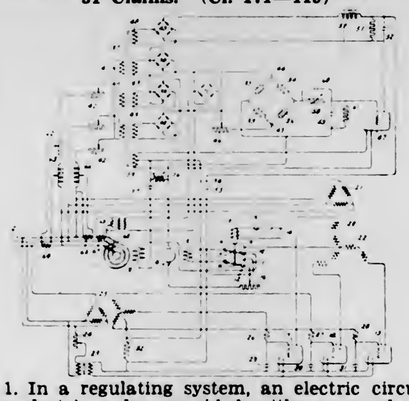
CARNEGIE LIBRARY OF ATLANTA

2,002,370
BRUSH
Clinton E. Frost, Youngstown, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 14, 1930, Serial No. 488,586
4 Claims. (Cl. 15—181)



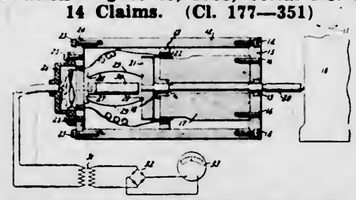
3. In a rotary brush, an annular bristle body, and mounting means for the body comprising a pair of side plates, at least one of said plates being annular in form and having a series of circumferentially spaced tongues extending from its inner peripheral edge, said tongues having a portion thereof normal to the plane of the plate to form a support for the bristles, and the ends of said tongues being bent outwardly upon the other plate to hold the plates together, and portions of the other plate lying between the tongues, whereby relative rotation between the two plates is prevented.

2,002,371
REGULATING SYSTEM
George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1930, Serial No. 499,380
31 Claims. (Cl. 171—119)



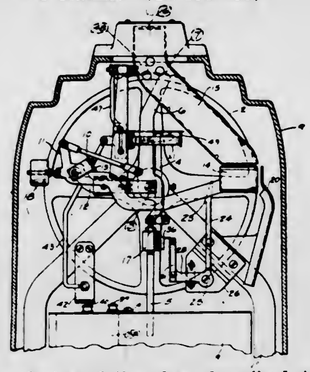
1. In a regulating system, an electric circuit, an electric valve provided with an anode, a cathode and a control electrode for controlling an electrical condition of said circuit, a source of alternating potential connected to energize the anode of said valve, means for impressing on said control electrode an alternating potential of substantially constant value and fixed phase relation with respect to said anode potential, and means for superimposing a unidirectional potential varying in accordance with the electrical condition to be regulated on the alternating potential of said control electrode in a manner to vary the conductivity of said valve in proportion to the deviation from a predetermined value of the electrical condition to be regulated.

2,002,372
VIBRATION VELOCITY MEASURING DEVICE
Charles D. Greentree and Milton S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 23, 1933, Serial No. 686,404
14 Claims. (Cl. 177—351)



5. In a device for converting vibration energy into electrical energy and vice versa, the combination of a movable structure arranged to receive or deliver said vibration energy, another structure, one of said structures comprising a magnetic field system having an air gap as a part of its magnetic circuit and the other of said structures comprising a coil disposed in said air gap to cut the magnetic flux passing thereacross in response to a relative movement of said structures, at least one column spring interposed between said structures for producing an elastic restoring force therebetween, said column spring having two critical deflection values between which its stiffness is considerably lower than that prevailing from its free state to the lower of its two critical deflection values, said spring stiffness changing almost abruptly at the lower of the two critical deflection values, and means for limiting the relative motion of said structures to confine the deflections of said spring between its critical deflection values, the relationship between the mass of the second-mentioned structure and the stiffness of said spring between its critical deflection values being such that the natural frequency of vibration of the second-mentioned structure is appreciably below the lowest frequency of said vibration energy, whereby only a negligible vibration force is transmitted by the first-mentioned structure to the second-mentioned structure during the frequency range of said vibration energy.

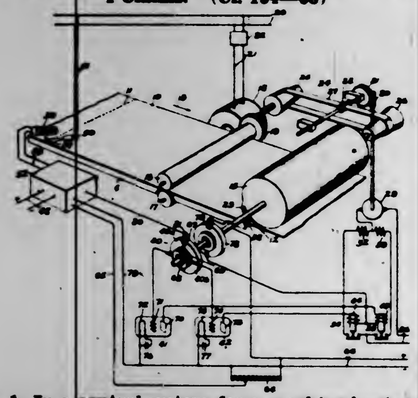
2,002,373
COIN CONTROLLED INDICATING DEVICE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application July 6, 1932, Serial No. 621,051
6 Claims. (Cl. 194—95)



1. In a device of the class described, in combination, weighing mechanism, an indicator,

means for connecting said weighing mechanism to said indicator, a shutter for revealing or concealing said indicator, coin controlled means for opening said shutter, latch means for holding said shutter open, and means for releasing said latch means, said releasing means comprising a relatively movable pawl and a series of teeth mounted respectively on said connecting means and said latch means.

2,002,374
CONTROL SYSTEM
William R. King, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 30, 1930, Serial No. 457,589
4 Claims. (Cl. 164—68)



1. In a control system for a machine having an element operating upon a moving strip of material in predetermined relationship with respect to markings thereon, means for driving said strip and said element at predetermined speeds, a light-sensitive device arranged to be responsive to the passage of said markings and a switching device cooperating with said light sensitive device to produce controlling impulses in response to variation of said strip from a predetermined relationship with respect to said elements, means responding to said impulses comprising an electric discharge device containing an ionizable medium and provided with an input circuit, and an output circuit connected to a direct current source so that said discharge device remains energized after the termination of an impulse, means for interrupting said output circuit to deenergize said discharge device after a predetermined interval of time, and means responsive to energization of said discharge device for reestablishing said predetermined relationship between said strip and said element.

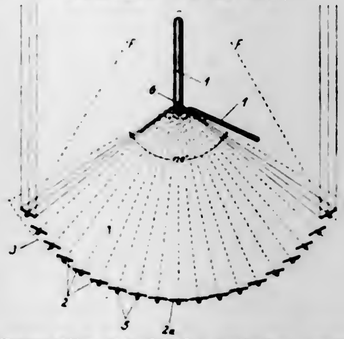
2,002,375
METHOD OF MAKING ORNAMENTED RUBBER ARTICLES
Leslie H. L'Hollier, Waltham, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application April 24, 1934, Serial No. 722,122
4 Claims. (Cl. 18—58)

4. The method of making an ornamented rubber article which comprises providing a negative form configured with miniature valleys and hillsides in its surface, depositing on said form an ornamenting dispersion of such fluidity that, after draining and at least partially drying, the residue of the deposit appears principally at the hillsides merging with areas in the valleys of fainter hue, permitting the dispersion so to drain and effecting such acceleration of the drying that the meniscus of the residue in each valley does not materially sag by gravity, then depositing



upon the form a layer of rubber and removing the latter to provide a positive of the surface configuration with the ornamenting deposits adhered to its surface and with its surface color appearing between the areas of deepest hue of the deposits.

2,002,376
SEARCHLIGHT REFLECTOR
Manfred Mannheimer, Berlin-Charlottenburg, Germany
Application November 19, 1931, Serial No. 576,109
In Germany March 16, 1931
3 Claims. (Cl. 40—130)

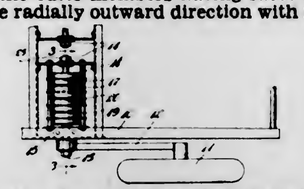


1. Composite searchlight reflector comprising a plurality of spherical mirrors and means for individually adjusting said mirrors in any desired directions, the vertices of the mirrors having such positions relative to a given point (6) on the axis of the total arrangement of mirrors, that the distance of the vertex of each mirror from said point is equal to the focal length of the mirror in question.

2,002,377
RESILIENT CONNECTER
Robert Mayne, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 20, 1932, Serial No. 618,285
8 Claims. (Cl. 267—21)

1. A resilient connecter comprising three rigid members, one of which is disposed between the other two and each of which is mounted for relative rotation with respect to the other two and cushions of resilient material mounted between the intermediate member and the two outer members and resisting such movement, the central of

the three rigid members being a plate-like member and the outer members having faces diverging in the radially outward direction with respect



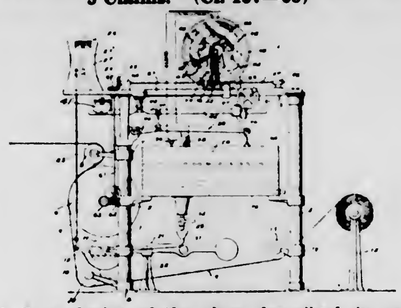
to the faces of the central member, the said resilient material sustaining substantially the entire strain of such movement by engagement with the faces of said members.

2,002,378
BIRD BATH
Walter G. Richardson, South Gardner, Mass.
Application May 17, 1934, Serial No. 726,042
5 Claims. (Cl. 119—1)



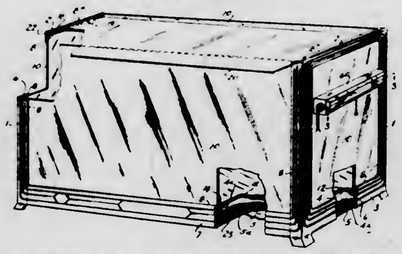
1. A bird bath comprising a bowl and a shallow water-retaining bath tray within said bowl, said bowl and tray providing an annular soil receiving channel of substantial width between them in which vegetation may grow to surround the water in the tray, the top of the tray being somewhat below the top of the bowl, said bowl having a drainage passage for said channel opening through the bottom of said bowl under said tray.

2,002,379
CONTROLLING DEVICE
Edward G. Thomas, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 5, 1928, Serial No. 244,593
5 Claims. (Cl. 137—68)



1. In a device of the class described, in combination, a receptacle adapted to contain a liquid material, a valve in said receptacle, a body suspended in said liquid and partially supported thereby, automatic load-counterbalancing mechanism, means connecting the suspended body and said load-counterbalancing mechanism, said mechanism thereby supporting the portion of the weight of said body not supported by said liquid, and means connected to said load-counterbalancing mechanism to control said valve mechanism.

2,002,380
PLANT PROPAGATOR, ETC., OR AQUARIUM
Gilbert Wernicke and Alfred R. Lintern, Cleveland, Ohio
Application March 9, 1932, Serial No. 597,722
24 Claims. (Cl. 47—38)



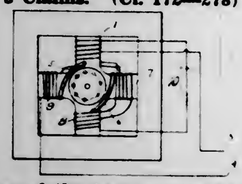
1. A case for the purposes described, comprising end frame members, a hollow base forming a floor surface for the case and having substantially vertical flanges at its ends, the end frame members being rigidly secured to the base adjacent said flanges in face-to-face relationship therewith to hold the end frame members in upright position, each of said end frame members including corner post portions of angular cross section, separate side and end transparent panels supported at their lower edges by the said floor surface of the base and each vertical edge of the panels being in the embrace of one of said post portions of the end frame members, there being means on said end frame members for securing two respective opposite panels in upright position, the vertical edges of said opposite panels engaging the inner marginal surfaces of the remaining opposite panels to hold the latter in upright position.

2,002,381
ELECTRIC DISCHARGE DEVICE
Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 21, 1934, Serial No. 736,363
4 Claims. (Cl. 176—124)



1. In combination, an electric discharge device provided with an anode, a cathode, a heater for said cathode, a constant current circuit, means for dividing the available energy received from said circuit between said cathode heater and the discharge path between said anode and cathode, and a circuit connected in shunt to said electrodes arranged to carry the normal discharge current until the said cathode has been preheated.

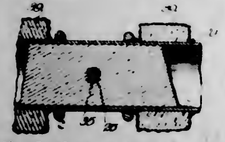
2,002,382
SINGLE PHASE MOTOR
Alexander M. Wilson, Cincinnati, Ohio
Application April 6, 1934, Serial No. 719,354
3 Claims. (Cl. 172—278)



1. A motor of the type mentioned comprising in combination with a primary magnetic pole piece, a shading ring on said pole piece, an auxiliary magnetic pole piece, said shading ring being extended so as to embrace all or a portion of the auxiliary magnetic pole piece.

2. A motor of the type mentioned comprising in combination with primary magnetic pole pieces, auxiliary magnetic pole pieces, a transformer on one set of said pole pieces, an impedance across the secondary of said transformer, and a coil on the other set of pole pieces in series in the primary circuit of said transformer.

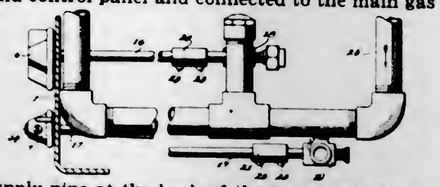
2,002,382
METHOD OF STOPPING GAS FLOW THROUGH PIPES
Irwin H. Witt, Evanston, Ill.
Application October 5, 1931, Serial No. 566,881
8 Claims. (Cl. 137—73)



1. The method of stopping the flow of fluid in a main preparatory to connecting a branch pipe thereto which comprises inserting a substance, which is fluid at the normal temperature of said main but which is more readily freezable than said fluid, through the walls of the main at each side of the place where the connection is to be made, congealing said substance within the main across the cross sectional area thereof prior to connecting said branch to the main by subjecting the latter to a temperature change different from the normal temperature of said main, and maintaining said temperature difference so long as it is desired that no fluid shall flow through the main.

2,002,384
GAS AND COAL RANGE
James W. Ammerman, Jesse W. Barker, William H. Klopfer, and Frederick C. Manss, Geneva, N. Y., assignors to Andes Range and Furnace Corp., Geneva, N. Y., a corporation of New York
Application October 22, 1931, Serial No. 570,378
1 Claim. (Cl. 126—39)

The combination of a coal and gas range, comprising a control panel located at the front of the top of the range, a series of handles mounted in front of said panel, a gas supply pipe immediately behind said panel and extending to the rear of the stove for connection to a gas main, valves connected to said gas supply pipe for some of said handles and concealed by said panel, burners on the top of the gas range substantially on a level with said control panel connected to and controlled by said valves, an oven located higher up on the range than said burners with an open space between them, a back panel located at the rear of the top of the range behind said burners and extending up to the rear of the underside of said oven, a burner in said oven, a valve on a level with said control panel and connected to the main gas



supply pipe at the back of the range, a rod connecting said valve directly to a handle on said panel, all of said handles and valves having horizontal axes, a gas supply pipe back of the back panel of the range leading up directly from said valve to the burner in the oven higher up, said oven gas supply pipe and said valve being concealed from view from in front of the range by said back panel and being short and direct.

2,002,385
DRILLING APPARATUS
Clyde E. Bannister, Akron, Ohio
Application May 1, 1931, Serial No. 534,322
Renewed November 9, 1933
9 Claims. (Cl. 255—4)



1. Well drilling apparatus comprising a rigid non-rotating drill stem, a fluid pressure motor suspended therefrom for universal movement relative thereto, a boring tool operable by said fluid pressure motor, and a barrel enclosing said motor, the mass of said barrel with respect to said motor and said boring tool being such that said fluid pressure motor will effect operation of said boring tool independently of movement of said barrel.

2,002,386
DOUBLE PISTON FLUID MOTOR
Clyde E. Bannister, Akron, Ohio
Application May 15, 1931, Serial No. 537,617
Renewed November 17, 1933
10 Claims. (Cl. 121—119)

1. In a fluid pressure motor, a pair of cylinders, a piston reciprocable in each of said cylinders, a hollow rod depending from each of said pistons, an inlet port at the upper end of each of said cylinders, a valve cooperating with each inlet

port, a valve stem depending from each valve and extending through its respective piston and piston rod, a rocker, the lower end of each of said



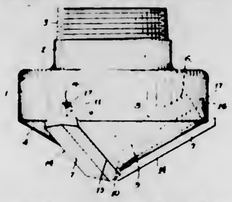
valve stems being in engagement with said rocker, and means to pivot said rocker to seat one valve and unseat the opposite valve.

2,002,387
WELL DRILLING APPARATUS
Clyde E. Bannister, Houston, Tex.
Application June 1, 1933, Serial No. 673,798
18 Claims. (Cl. 255—4)



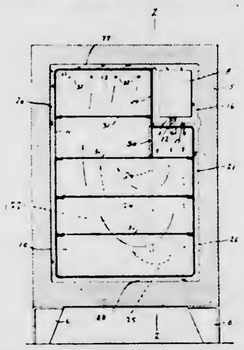
1. Well drilling apparatus comprising at least a pair of oppositely-rotating bits, a mounting common to the bits, means for circulating a current of fluid to wash the cuttings of the bits to the top of the well, and means in the vicinity of the bits and driven by the said current of fluid for driving the bits.

2,002,388
ROCKER BLADE BIT
Clyde E. Bannister, Akron, Ohio
Application November 14, 1933, Serial No. 697,883
12 Claims. (Cl. 255—61)



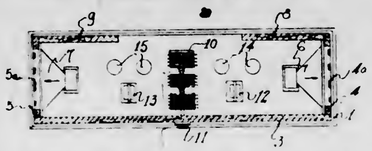
1. A bit of the kind described, having a conical lower portion and having a plurality of inclined converging recesses formed in the conical portion thereof terminating at a substantially common center, a shaft passing through each of said recesses, a blade pivotally mounted on each of said shafts, and means to limit the pivotal movement of each blade.

2,002,389
REFRIGERATION APPARATUS
Eugene L. Barnes, Buffalo, N. Y.
Application January 21, 1931, Serial No. 510,138
4 Claims. (Cl. 62—1)



1. An iceless refrigerating apparatus, comprising a refrigerating cabinet, a food compartment arranged within the cabinet and in interspaced relation therewith, a cooling unit separate from the food compartment and in free communication with the space between the cabinet and the food compartment, the food compartment being provided with relatively small inlet openings arranged below the cooling unit, and also with relatively small outlet openings arranged in the upper portion of the food compartment and in line with the upper portion of the cooling unit.

2,002,390
ACOUSTIC DEVICE
Powel Crosley, Jr., and Henry Gest, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 15, 1932, Serial No. 628,815
11 Claims. (Cl. 250—14)



4. In a radio set, a cabinet of elongated shape, having sides of negligible responsiveness to wave impulses and end members considerably interspaced, speakers of the cone type located adjacent the ends of said cabinet and facing in substantially opposite directions and having sound openings in said end members and the front portion of said cabinet being of substantial extent between said ends whereby it is adapted to act as a wave impulse baffle, and baffling members on the rear portion of said cabinet extending inwardly sufficiently from the end portions to provide a wave impulse baffling effect, said speakers connected to a source of exciting current in in-phase oppositely vibrating relationship.

2,002,391
METHOD OF MAKING ORNAMENTED RUBBER ARTICLES
Alvin L. Diller, Belmont, and Leslie H. L'Hollier, Waltham, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application February 27, 1934, Serial No. 713,167
4 Claims. (Cl. 18—58)



1. The method of making an ornamented rubber article which comprises providing a negative form configured with miniature valleys and hillsides in its surface, depositing on said form an ornamenting dispersion of such fluidity and low content of coloring matter that, after draining and at least partially drying, the residue of the deposit appears in areas of relatively deep hue merging with areas of fainter hue, permitting the deposited dispersion thus to drain and dry, then depositing upon the form a layer of rubber and removing the latter to provide a positive of the surface configuration with the ornamenting deposits adhered to its surface and with its surface color appearing between the areas of deepest hue of the deposits.

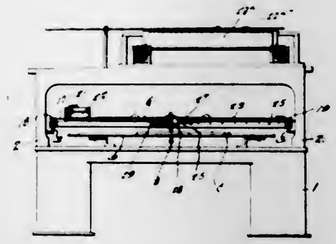
2,002,392
CAR DOOR
Carl E. Ekblad, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1932, Serial No. 634,462
10 Claims. (Cl. 189—46)



1. In a metallic car door having a panel, a rigidifying member secured to the forward margin of said panel, said member having a flange overlapping said panel and secured to the inner face thereof, a transverse flange extending inwardly from said securing flange, and a flange extending at substantially a right angle from said transverse flange terminating in a transverse flange of less length than said first mentioned transverse flange.

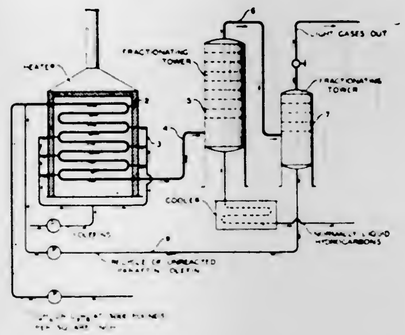
2,002,393
AUTOMATIC PANTOGRAPH MACHINE
Harvey Henry Freed, Belleville, and Harold Bickley Mann, Newark, N. J.
Application December 13, 1932, Serial No. 647,026
3 Claims. (Cl. 33—23)

1. A method of transferring the outline of any design to a textile printing surface by electrical means consisting in scanning the design with a light sensitive cell located in an amplifying system, and producing indentations on the said surface corresponding to the edges of the design, said indentations being in such proximity as to



form a solid outline of the design on the printing surface.

2,002,394
PROCESS FOR CONVERTING HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 22, 1934, Serial No. 731,920
7 Claims. (Cl. 196—10)

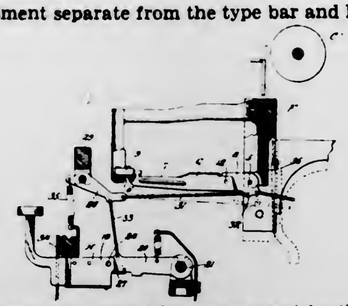


2. In a process for the production of higher boiling hydrocarbons from lower boiling hydrocarbons, the step which consists in adding to a stream of predominantly saturated hydrocarbons, maintained at a conversion temperature and pressure, successive small quantities of predominantly olefinic hydrocarbons, in such amount that the content of added olefins in the mixture at no time exceeds 10% by weight of the total hydrocarbons present.

2,002,395
TYPEWRITING MACHINE
Edward B. Hess, Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application May 5, 1933, Serial No. 669,611. Divided and this application December 11, 1933, Serial No. 701,893
10 Claims. (Cl. 197—27)

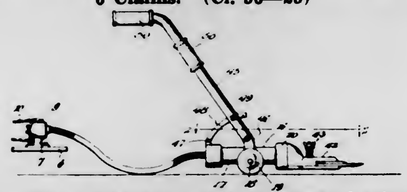
4. The combination of a pivoted type bar for typewriting machines comprising hingedly connected type and heel sections, the hinge pivot being located adjacent the type bar pivot, and an

abutment separate from the type bar and located



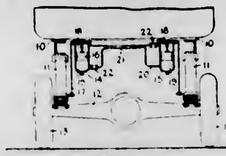
adjacent both pivots for engagement by the heel section.

2,002,396
GRASS TRIMMER
Rollie B. Hite, Nevada, Ohio
Application January 15, 1934, Serial No. 706,755
6 Claims. (Cl. 56—25)



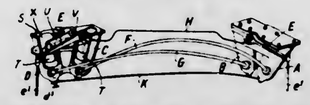
1. The combination with a mower having a power shaft, of a grass trimmer including a casing, an axle extending transversely of the center of the casing, wheels mounted on the axle, a cutter head carried by the casing, guide fingers disposed on opposite sides of the cutter head and extending longitudinally beyond the same, a handle pivotally mounted on the axle, a quadrant pivotally connected with the casing at the rear of the handle and extending through a slot in the handle, means engaging the quadrant for holding the handle in adjusted position, and a flexible cable forming a connection between the cutter head and power shaft for transmitting motion from one to the other.

2,002,397
HYDRAULIC SHOCK ABSORBER FOR AUTOMOBILES
Hugo Höme, Essen, Germany
Application October 25, 1933, Serial No. 695,196
In Germany November 10, 1932
4 Claims. (Cl. 267—11)



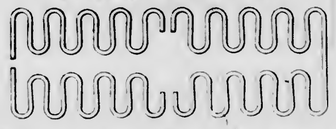
1. In a motor vehicle, the combination of relatively movable frame and axle members, two double-acting hydraulic shock absorbers spaced apart and connected between the frame and axle members, each shock absorber having two working chambers, a pipe connection from each working chamber of one shock absorber to the opposite working chamber of the other shock absorber, a throttle valve inserted in each said pipe connection, an auxiliary chamber for each shock absorber communicating by a by-pass with each of the working chambers thereof, and means inserted in said by-pass allowing the fluid in the working chambers to pass through said by-pass only with small relative movements between the frame and the axle.

2,002,398
STABILIZER FOR VEHICLES
Hugo Höme, Essen, Germany
Application April 9, 1934, Serial No. 719,794
In Germany April 15, 1933
6 Claims. (Cl. 267—11)



1. A stabilizing device for vehicles, comprising two double-acting hydraulic shock-absorbers, mounted one at each side of the vehicle, operating means connecting said shock-absorbers with an unsprung part of the vehicle, each of said shock-absorbers comprising two working chambers, conduits connecting the working chambers of one shock-absorber with the opposite working chambers of the other shock-absorber, and a constricted by-pass open to flow in both directions and connected between two of said working chambers not connected by one of said conduits.

2,002,399
FLAT SPRING AND METHOD OF MAKING THE SAME
Karl Kaden, Muhlbach Bez. Chemnitz, Germany
Application January 15, 1932, Serial No. 586,838
In Germany April 16, 1931
6 Claims. (Cl. 29—173)



1. The method of making a wire spring including bending the wire laterally into sinuous form and longitudinally to give it a permanent set in a position of greater curvature than it assumes when in use.

2,002,400
FERTILIZER
Edward T. Keenan, Frostproof, Fla., assignor of one-half to Florida Fruit Canners Inc., Frostproof, Fla., a corporation of Florida
No Drawing. Application January 21, 1933, Serial No. 652,933
2 Claims. (Cl. 71—9)

1. A process of preparing a fertilizer which comprises mixing cyanamid and fruit pomace, piling the mixture for a period of time, whereby a reaction ensues and a rise in temperature takes place, and thereafter while at the increased temperature adding to the mixture alkali metal nitrates, ammonium sulphate, and super phosphate, which combine with the mixture.

2,002,401
RUG-HOOKING DEVICE
Herman Kohanek, Portland, Oreg.
Application August 14, 1934, Serial No. 739,821
6 Claims. (Cl. 112—80)

1. In a turfing implement, a frame consisting of spaced apart parallel side members formed of

a single piece of material and integrally joined at one end, the opposite ends of said side members being rounded to form presser feet, a filler block secured between said side members adjacent to their connected ends to form a handle, a needle guide between said members adjacent to their rounded ends and adjustable with respect thereto, a crank shaft journalled transversely through said members intermediate their ends and having its crank positioned therebetween, a gear on the crank shaft, a stub shaft journalled in the frame,



a gear on the stub shaft of greater size than the crank shaft gear and in mesh therewith, said stub shaft and said crank shaft having projecting end portions, a crank handle having means selectively attachable to the projecting portions of either the crank shaft or stub shaft, a tubular holder having an integral extension at one end encircling the shaft crank, a needle telescoping within the other end of said holder, and a set screw threaded in connection with the holder for engaging and clamping the needle in adjusted positions.

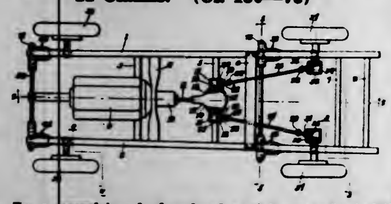
2,002,402

COMBINED SHOCK ABSORBING AND STABILIZING STRUCTURE

Joseph Kanopka, Detroit, Mich.

Application May 4, 1934, Serial No. 723,982

11 Claims. (Cl. 180—73)



1. In a combined shock absorbing and stabilizing structure for automotive vehicles, the combination with the side bars of the chassis and the rear wheels of the vehicle, of a pair of parallel spaced endwise opposed bearings secured to the lower face of said bars, a hanger shaft journaled in and extended laterally from said bearings, a pair of stabilizing elements having forked shaped forward ends straddling said bearings and pivotally mounted on said shaft and having laterally extending tubular means at the rear ends, driven axle spindles extending through said means and connected to said wheels, and resilient means interposed between the said tubular means and the lower face of said bars.

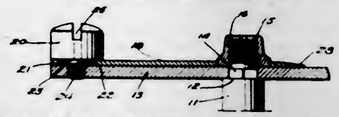
2,002,403

FISHING REEL CONSTRUCTION

Gustav Kosma, Philadelphia, Pa., assignor to Ocean City Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 2, 1934, Serial No. 738,125

7 Claims. (Cl. 74—548)



1. In a reel, a rotatable spindle having a shoulder, a reel handle seated against said shoulder, a nut to clamp the reel handle against the shoulder, a wrench overlying the reel handle and shaped to conform thereto and having an opening receiving the nut, and means to hold the wrench against rotation with relation to the reel handle.

2,002,404

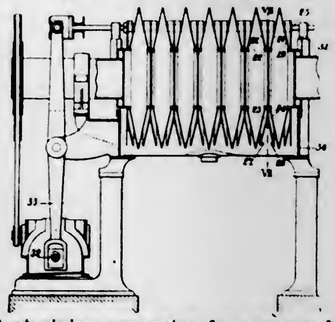
PULP STRAINER

Marcel Lamort, Vitry-le-Francois, France, assignor to Etablissements E. & M. Lamort Fils, Vitry-le-Francois, France

Application August 12, 1933, Serial No. 684,915

In France August 29, 1932

6 Claims. (Cl. 92—33)



1. A straining apparatus for paper pulp comprising a tank for said pulp, a drum located in said tank having a periphery forming a straining surface, said periphery being formed of inclined rings assembled side by side at their bases, means causing an irregular alternating displacement between said pulp and said drum and means for rotating said drum about its axis.

2,002,405

ENGINE STARTING MECHANISM

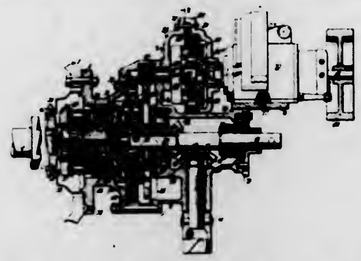
Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application September 30, 1931, Serial No. 566,127

9 Claims. (Cl. 123—179)

1. In an internal combustion engine having a crank-shaft and magneto for supplying ignition current, means for imparting rotation initially to both said magneto and crank-shaft comprising a gear train having high and low speed ends drivably connected with said magneto and crank-shaft respectively and a member of intermediate speed interposed between said high and low speed ends, means engageable with said intermediate member for imparting rotation to both said crank-shaft and magneto, and means operable in response to such rotation to enable both

said magneto and crank-shaft to simultaneously overrun said gear train, said last named means including a magneto driving element rotatable by said high speed end of the gear train and free to over-run upon every deceleration of said



gear train during the cranking process, and a crankshaft driving element which is free to overrun the low speed end of the gear train whenever the crankshaft accelerates to a speed in excess to the gear train speed.

2,002,406

PROCESS OF DYEING

Robert Lantz, Paris, France, assignor of one-half to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France

No Drawing. Application June 11, 1931, Serial No. 543,730. In France June 21, 1930

10 Claims. (Cl. 8—5)

1. A process of dyeing materials which comprises treating said materials in a sulphide bath by an azo-dyestuff containing at least one disulphide group in the molecule at a temperature lower than 65° C.

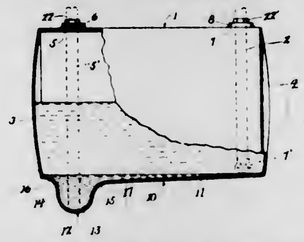
2,002,407

FUEL STORAGE TANK

Hugo C. Lemke, Reedsville, Wis.

Application December 6, 1933, Serial No. 701,193

8 Claims. (Cl. 216—57)



5. In a fuel storage tank, a horizontally disposed annular body, a pair of heads for closing the ends of said body, said body being formed at its top with a pair of spaced openings, the bottom of said body formed with a lengthwise disposed portion extending at a downward inclination from one of said heads to a point inwardly of and in spaced relation to the other of said heads, the remaining portion of said bottom being formed of series of imperforate parts depending from said portion, the other of said heads and the sides of said body and a horizontally disposed imperforate part integral with the lower ends of the said other parts, the said several parts coacting to provide a transversely disposed open top uninterrupted trap arranged inwardly of the said other head and aligning with one of said openings.

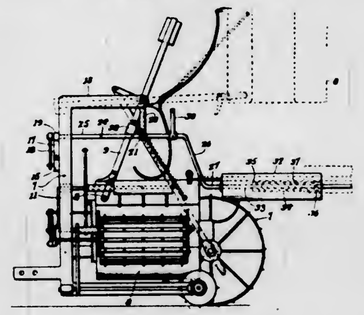
2,002,408

SHOCK COMPRESSING ATTACHMENT FOR GRAIN SHOCKERS

Albin P. Lofstrand, Chicago, Ill.

Application November 2, 1934, Serial No. 751,226

14 Claims. (Cl. 56—430)



1. A shock compressing attachment for grain shockers comprising the combination of a movable part of the shocker, spaced parallel rollers for compressing the top of a shock dumped from the dumping reeeptacle of the shocker, a pair of horizontally oppositely disposed rock shafts carrying said rollers, means for connecting said shafts to the shocker, and two pair of coacting elements for rocking said shafts in unison to active position with respect to the shock, one of the elements of each pair of coacting elements arranged in the path of the other coacting element of each pair of coacting elements, one of the coacting elements of each pair of coacting elements being carried by the said movable part of the shocker and the other coacting element of each pair of coacting elements being anchored to said shafts.

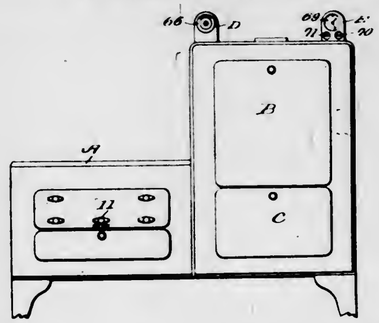
2,002,409

COMBINED THERMOSTATIC AND TIME HEAT CONTROL FOR STOVE OVENS

Benjamin Edward Meacham, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application August 26, 1932, Serial No. 630,606

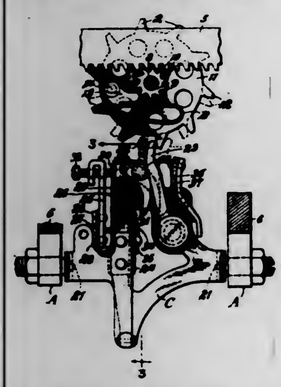
13 Claims. (Cl. 236—15)



1. An improved heat control for use with a stove having an oven with a gaseous fuel burner

therein and a constant burning pilot light for said burner, comprising a safety pilot light adapted to be ignited by said constant burning pilot light, a main fuel line, a thermostatically operated valve in said main fuel line for controlling the flow of fuel to the burner, a thermo member positioned in the heat zone of said safety pilot light and remote to the heat zone of the oven for actuating said valve, a second fuel line leading to the safety pilot light, a thermostatic regulator operatable by the heat in said oven positioned in said second fuel line, a time operated valve positioned in said second fuel line back of said thermostatic regulator, and time operated means for operating said time controlled valve to open and close the same at predetermined times, the parts operating as and for the purpose described.

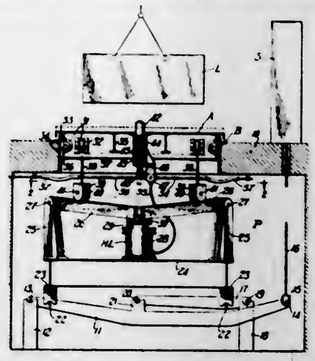
2,002,410
TYPEWRITING MACHINE
William O. Michelsen, Long Island, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application September 5, 1934, Serial No. 742,787. Divided and this application December 11, 1934, Serial No. 757,044
5 Claims. (Cl. 197—88)



1. In a typewriting or like machine, an escapement mechanism including an escapement wheel, a dog rocker, a fixed dog and a movable dog mounted on the rocker and alternately movable into engagement with the teeth of the wheel, a support mounted on the rocker for adjustments towards and from the movable dog, a wiper cam pivoted on the support and contacting the movable dog, and a spring connecting the cam and the rocker for holding the cam in yielding contact with the pivoted dog.

2,002,411
APPARATUS FOR RELIEVING SHOCKS ON SCALES
Stephen D. Mosley, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Alabama
Application July 8, 1931, Serial No. 549,475
21 Claims. (Cl. 265—72)

1. Apparatus of the character described comprising a movable load receiving platform, weighing mechanism, a support for holding said platform out of weighing relation with the weighing mechanism, a member positioned for movement by the load as the load is deposited on the platform, and mechanism supported by the weighing mechanism and operable by said member to



establish the platform in weighing relation with the weighing mechanism.

2,002,412
SPOOL HOLDER
John T. Murchie, Jr., Portsmouth, Ohio, assignor to Jack Murchie, Portsmouth, Ohio
Application July 7, 1934, Serial No. 734,186
1 Claim. (Cl. 242—134)

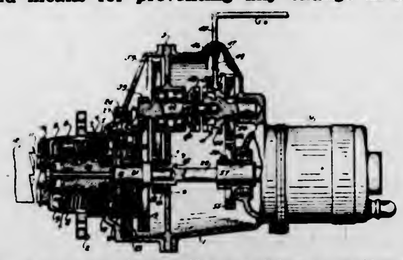


A spool holder comprising an elongated flat metal strap constituting a support, said strap formed with an opening in one end by which the strap is adapted to be suspended in a vertical position, a disk rotatably mounted on a pin carried by the other end of said strap, the plane of the disk being parallel with the metal strap support, a pair of diametrically opposed yielding accommodation arms anchored at their inner ends to the margin of the disk and disposed in perpendicular relation to the disk, said accommodation arms being arcuate in cross section with the convex surface thereof on the outside whereby a spool may be confined between the arms or a web of material may be wound around the outside of the arms, and said disk being spaced longitudinally from the opening so that the intervening space on the strap may be used to support other objects.

2,002,413
ENGINE STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 2, 1930, Serial No. 486,026
3 Claims. (Cl. 74—7)

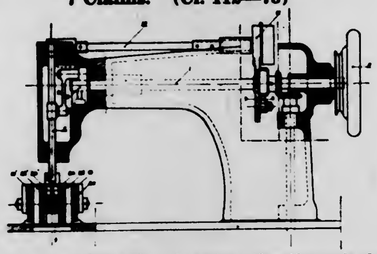
1. The combination with a rotatable member of an internal combustion engine, of a substantially constant speed motor, means responsive to energization of said motor to produce immediate operative connection between said motor and engine member whereby the latter is caused to rotate at any selected one of a plurality of substantially constant speeds bearing a constant

ratio to the speed at which said motor operates, and means for preventing any change in said



constant ratio during the cranking operation except by manual intervention.

2,002,414
MACHINE FOR DRAWING THREADS FROM FABRICS
Jacques Ollendorff, Paris, France, assignor to Anciens Etablissements E. Cornely & Cie., Société Anonyme, Paris, France, a company of France
Application February 16, 1932, Serial No. 593,349
In France February 21, 1931
7 Claims. (Cl. 112—78)



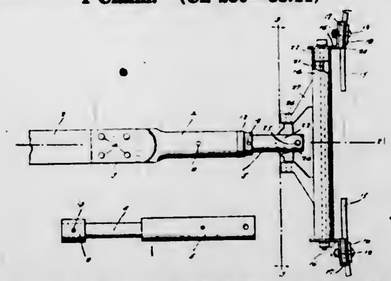
1. In a machine for drawing the threads from fabrics, a fabric feeding and stretching device comprising in combination, a work plate having a cylindrical shallow groove at right angles to the direction of feed, two parallel rollers coaxially disposed with respect to said cylindrical groove and the peripheries of which are arranged to fit in said groove against the bottom thereof, said peripheries being made of a material upon which the fabric does not slide, and means for imparting a discontinuous feed motion to said rollers, whereby the fabric is tightly held between said cylindrical groove and said rollers and caused to move together with said rollers.

2,002,415
METHOD OF PRODUCING SEAMLESS DRAWN TUBES AND OTHER TUBULAR ARTICLES
Peter Otto, Duesseldorf-Oberkassel, Germany
Application March 5, 1932, Serial No. 597,021
In Great Britain March 19, 1931
2 Claims. (Cl. 29—156)



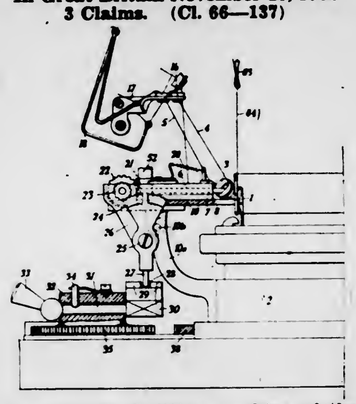
1. In the manufacture of seamless tubes, the steps of forming an open ended hollow ingot by centrifugal casting, closing one end of said ingot while the latter is still in the casting apparatus, and subjecting the thus formed ingot to a push bench drawing process to produce an elongated thin-walled tube.

2,002,416
TRAILER HITCH
George Jacob Shafer, Jacksonville, Oreg., assignor of one-third to Barney Cody, Jacksonville, Oreg.
Application October 11, 1934, Serial No. 747,935
1 Claim. (Cl. 280—33.44)



A hitch for trailer drawbars comprising spaced, opposed brackets mounted on the rear bumpers of an automobile, said brackets including plates clamped to the opposite sides of the bumpers, horizontal flanges on the upper end of one of the plates of each pair engaged with the upper edges of the bumpers, a tubular shaft mounted between the brackets, a bolt extending through the shaft and anchored in the brackets, centering plugs encircling the bolt in the end portions of the tubular shaft, arms projecting from the tubular shaft, and a cross head journalled between said arms and adapted to be pivotally connected to a draw bar.

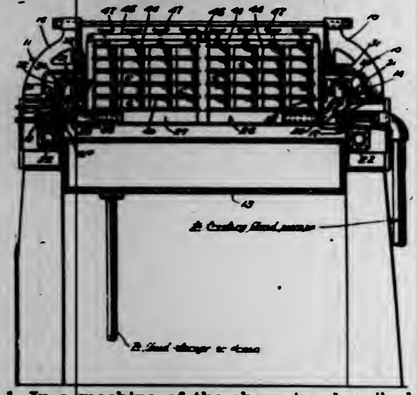
2,002,417
KNITTING MACHINE
Harold William Simpson, Long Eaton, near Nottingham, England, assignor to William Gibson & Son, Limited, Nottingham, England
Application November 16, 1933, Serial No. 698,346
In Great Britain November 16, 1932
3 Claims. (Cl. 66—137)



1. In a circular knitting machine of the type specified, reverse plating means comprising a feeder head formed with two diametrically opposed and symmetrical feed holes which converge towards the needles, through which holes the threads are fed to said needles, a spindle which is radial to the cylinder, a pivot pin extending at right angles to the spindle for pivoting the head to said spindle, means for rotating the spindle, at intervals of time, through 180° between attitudes in which the said pin is inclined to the plane

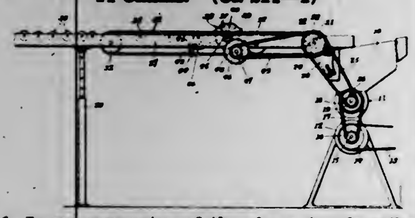
containing the axes of the spindle and needle cylinder, whereby the feeder head is rotated about an axis transverse to the needle circle to reverse the plating relation of the threads fed by it, and means for maintaining the feeding head tilted downwards and towards the needles during the stationary periods between the intermittent semi-rotary movements of the spindle.

2,002,418
CAKE WASHING AND CONDITIONING MACHINE
John Joseph Sippel, Upper Darby, Pa., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 13, 1932, Serial No. 647,068
11 Claims. (Cl. 12—8)



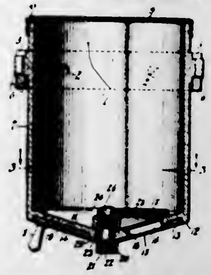
1. In a machine of the character described, a row of nozzles, a header having an inlet, means supporting the header for movement along said row of nozzles in spaced relation to said nozzles, means for intermittently moving the header from one nozzle to another, and means for transversely shifting the header to bring the inlet of the header into sealing engagement with each nozzle when the header is aligned therewith.

2,002,419
OIL WELL CEMENT MIXER
Earl W. Stegadill, Lynwood, Calif.
Application September 7, 1934, Serial No. 743,143
14 Claims. (Cl. 214—1)



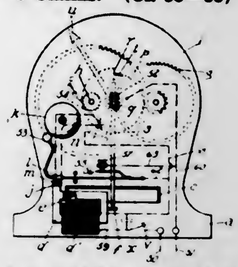
1. In an apparatus of the character described, the combination of a cement feeder having a hopper, a cement sack conveyor leading to the feeder and consisting of a pair of spaced apart parallel conveyor belts, a frame in which said belts operate having at the discharge end thereof a portion extending over the hopper and provided with cross rods forming an open sack holder, sack splitting means intermediate the ends of said belts and upstanding between the same, and a third conveyor belt extending from said splitting means to the discharge ends of the first belts to support the split portion of each sack during its movement to the said hopper.

2,002,420
COFFEE PRESERVER
Mark Strook, Berkeley, Calif.
Application May 26, 1934, Serial No. 727,795
5 Claims. (Cl. 221—66)



1. A coffee preserver of the character described comprising a container having at the bottom an aperture, a closure plate arranged beneath said bottom but in engagement therewith, said closure plate having an aperture therein adapted to register with the aperture in said bottom, rotatable means connected with the closure plate and positioned within the container for forcing some of the contents of the container from said aperture when in registry and resilient means acting on said rotatable means for pulling said closure plate towards the exterior surface of said bottom.

2,002,421
ELECTRIC TIMEPIECE
Louis Tisseyre and Ionel Cotnareanu, Paris, France, assignors, by direct and mesne assignments, to George P. Cowles, Waterbury, Conn.
Application May 20, 1929, Serial No. 364,601
In France December 22, 1928
8 Claims. (Cl. 58—38)

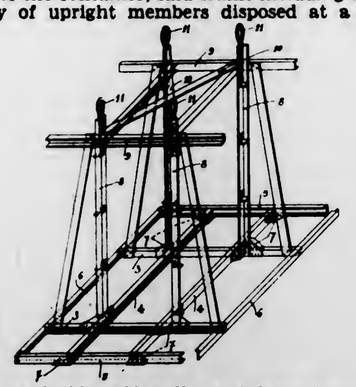


8. In an electric alarm clock, a clock mechanism, an alternating current electric motor having a magnetic field core and an armature operated thereby and operatively connected to the clock mechanism for driving the latter, a vibratory armature energized by said core and adapted to operate at a predetermined time, and mechanism operatively connected to said clock mechanism for controlling the operation of said vibratory armature.

2,002,422
CONTAINER FOR THE TRANSPORTATION OF GOODS
Michel Marie Jean Lefevre-Utile, Paris, France
Application April 6, 1933, Serial No. 664,824
In France May 21, 1932
2 Claims. (Cl. 105—366)

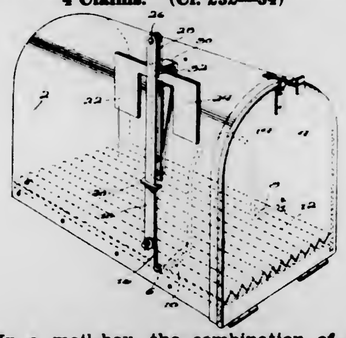
1. A shipping container, which comprises in combination, a metal frame, panels carried by

said frame so as to form the walls, top and bottom of the container, said frame including a plurality of upright members disposed at a fixed



distance inside said walls, and fastening means carried by the tops of said upright members respectively, whereby the container can be readily connected to hoisting means.

2,002,423
RURAL FREE DELIVERY LETTER BOX
Thomas G. Wade, Greensboro, N. C.
Application July 21, 1932, Serial No. 623,841
4 Claims. (Cl. 232—34)



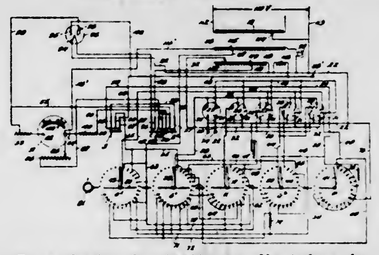
2. In a mail-box, the combination of signal flags pivotally secured thereto, a sinuous shaft extending through the box in close proximity to the bottom thereof, a crank-arm secured to one end of said shaft, a connecting rod between said crank-arm and said signal flags, and means for rotating said shaft to effect a pivotal movement of the flags.

2,002,424
CASTING REEL
Edward G. Weaver, Butte, Mont.
Application October 20, 1932, Serial No. 638,809
7 Claims. (Cl. 242—84.7)



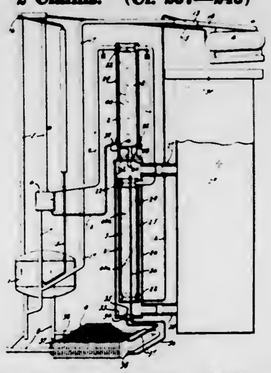
5. A fishing reel including a frame having an end wall, a spool rotatable therein, a plate shiftably mounted on said wall, a gear on said plate, a pinion on the spool, a crank carried on the frame and having an end portion projecting through the end wall and being bent for engagement with the plate, said crank being adapted for imparting shifting movement to the plate for permitting intermittent meshing of the gear and pinion, means for rotating the gear, and manually engageable means projecting from the plate adjacent thereto and adapted for locking the gear and pinion in meshing relation.

2,002,425
VACUUM TUBE TESTER
Jewell R. Williams, Little Rock, Ark., assignor to Apparatus Design Company, Little Rock, Ark., a corporation of Arkansas
Application August 4, 1933, Serial No. 683,688
14 Claims. (Cl. 250—27)



1. In a device for testing radio tubes, in combination, a plurality of sockets, each having a different number of terminals, means connecting together the common terminals of the sockets, means to supply an adjustable voltage to the filament terminals of all sockets, a network adapted to supply simultaneously a plurality of testing voltages, a meter in circuit with one of said voltages, a selector switch for each type terminal except filament, and circuits whereby each selector may connect an associated terminal to any one of said voltages.

2,002,426
REFRIGERATING APPARATUS
Edmund E. Allyne, Shaker Heights, Ohio
Application February 25, 1932, Serial No. 595,136
2 Claims. (Cl. 257—243)



1. Refrigerating apparatus of the character described, comprising a heat transfer device including two concentric tubes spaced apart and secured to each other at their ends, means for circulating material to be cooled through the

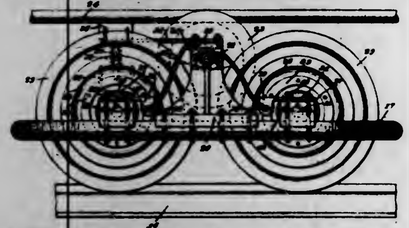
annular cavity between said tubes for dissipation of its heat through the surfaces of the two tubes, a receptacle for cooling medium, and a tubular heat conducting member concentric with said tubes forming a connection between the said tubes and the said receptacle and adapted to conduct heat therebetween, said connection having side openings for the admission of cooling medium to the channel within the inner tube.

2,002,427

ELECTRICALLY DRIVEN LURE CARRIAGE AND TRACKAGE THEREFOR

Willard M. Bacon, Jr., Miami, Fla., assignor to J. Hunter Ellis and E. J. O'Hare, both of Chicago, Ill.

Application August 1, 1934, Serial No. 738,003
4 Claims. (Cl. 104—121)



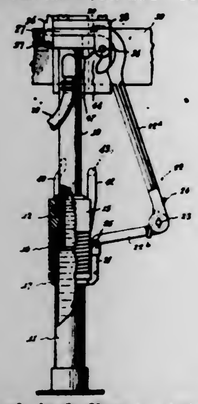
1. The combination of a monorail track, an electric conductor rail supported above the track, a carriage having a lure support, electric motors fitted in said carriage and having stationary armatures and rotor fields, wheels driven by the rotor fields of said motors and traversing the monorail track, a guide roller journaled on the lure support and insulated therefrom and engageable with the conductor, a resilient wiper shoe engaging said conductor, contact rings carried by the rotor fields of said motors, and brushes carried by the carriage and connected with the wiper shoe and engaged with said contact rings for completing an electric circuit between the conductor and the monorail track.

2,002,428

AUTOMOTIVE JACK

Benjamin Black, Brooklyn, N. Y.

Application September 8, 1931, Serial No. 561,738
1 Claim. (Cl. 254—86)



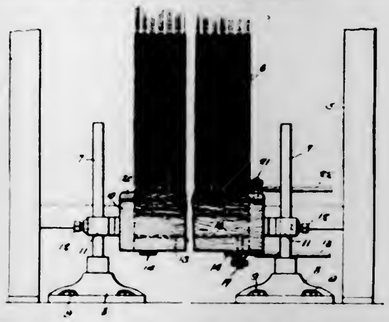
A vehicle jack including an extensible lifting leg having a swinging connection with the vehicle and means for first partially extending the leg while the latter is in elevated position and for then lowering the leg to a vertical position and then further extending it, said means comprising a fluid under pressure within said leg, and a jointed arm composed of pivotally connected sections of which one is terminally connected with a section of the lifting leg and the other with a fixed part of the vehicle, and spring means compressed during the partial extension of the leg and adapted to contract the leg when the fluid pressure is released.

2,002,429

STOP MOTION CONTROL FOR JACQUARD LOOMS

Lester Clarence Brady, Burlington, N. C., assignor of twenty-four and one-half per cent to George Washington Morris and twenty-four and one-half per cent to Shirley Webster

Application July 27, 1933, Serial No. 682,483
1 Claim. (Cl. 139—336)



The combination with the lingoes and electric stop motion mechanism of a jacquard, of an electric stop motion controlling device, comprising a box-like body portion, a contact plate covering the inner surface of the bottom of the body portion, a contact member constructed of wire mesh material presenting square openings, held on the body portion in space relation with the contact plate, a frame secured over the second mentioned contact member securing the second mentioned contact member in position, the lingoes of the stop motion mechanism extending into the square openings of the wire mesh contact member, filling the openings, and electric wires connected with the contact plate and contact member, whereby an electric circuit is completed when the lingoes drop and engage the contact plate.

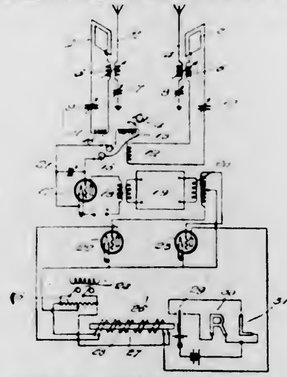
2,002,430

RADIO RECEIVING SYSTEM

Ben J. Chromy, Hopkins, Minn.

Application April 11, 1930, Serial No. 443,564
8 Claims. (Cl. 250—11)

1. In directional radio receiving systems, the combination of a plurality of directional antennæ adjusted to receive signaling energy of maximum intensity from different directions, amplifying means, means for successively coupling said antennæ to said amplifying means, a relay having a plurality of windings, a plurality of electron discharge devices connected to the output of said amplifying means, different ones of said relay windings being connected to the anode circuits of different ones of said electron discharge devices, means for periodically varying the energization of said anode circuits simultaneously as different ones of said antennæ are coupled to said amplifying means whereby selected ones



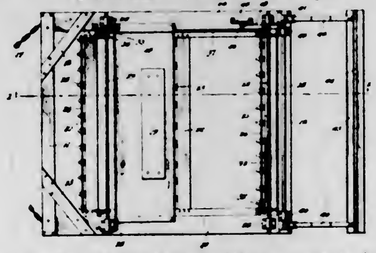
of said relay windings are energized in accordance with signals intercepted by different ones of said antennæ.

2,002,431

ROAD MACHINE

Omer F. Church, Arthur, Ill., assignor to Road Supply Co., Arthur, Ill., a firm composed of John S. Pribble and Chester E. Cahill

Application January 26, 1933, Serial No. 653,691
3 Claims. (Cl. 37—145)



1. A road machine comprising runners, downwardly and rearwardly inclined links disposed adjacent the front and rear ends of the runners and pivoted at their front upper ends upon the inner sides of the runners, a scarifier frame including side bars disposed adjacent and parallel to the respective runners and pivoted to the lower ends of the links, series of scarifier teeth carried by said frame, means carried by the runners and connected with the front and rear ends of the frame for raising and lowering the frame, and a drag carried by the rear ends of the runners and arranged transversely thereto.

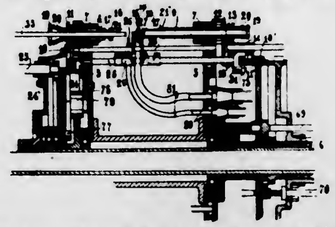
2,002,432

AUTOMATIC MACHINE FOR MAKING SERUM PHIALS

Léon Louis Comoy, Paris, France

Application October 9, 1933, Serial No. 692,852
In France October 15, 1932
4 Claims. (Cl. 49—7)

1. In a machine for fabricating ampoules or similar articles, a device for feeding glass tubes of indefinite length used in their entire length for the making, without loss, of a number of the articles, comprising a magazine for the tubes; mechanism for distributing the tubes singly in a rotary intermittently moving shaping drum provided with receiving sockets; means for axially moving each tube in each operation through the desired length; means for starting the tube-distributing mechanism when the tubes being operated upon are exhausted; means for shaping the articles in the rotary drum; and means for discharging the shaped articles.

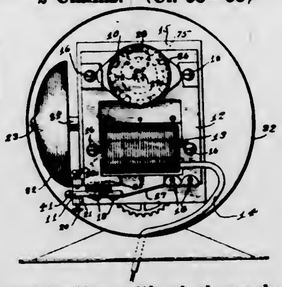


2,002,433

ELECTRICAL ACTUATING MEANS FOR CLOCKS AND INSTRUMENTS

George P. Cowles, Waterbury, Conn.

Application December 18, 1929, Serial No. 414,940
2 Claims. (Cl. 58—38)



1. In combination with clock mechanism and an alternating current synchronous motor for operating the same, said motor including a coil and magnetizable core; a magnetically operated alarm device comprising coacting sound producing elements connected with the opposite ends of the motor core, and setting means for the alarm device including a detent and means for moving the same in one direction to engage the detent between said coacting members to prevent operation of the alarm device, and spring means acting to move said detent in the opposite direction at a predetermined time in the operation of the clock mechanism to permit operation of the alarm device.

2. In combination with clock mechanism and an alternating current synchronous motor for operating the same, said motor including a coil and a magnetizable core; a magnetically operated alarm device including a vibratory armature one end of which is connected to one end of said motor core and the other end of which is adjacent the other end of said core, a spring detent adapted to engage between said armature and the adjacent end of said core to prevent operation of the alarm, and means operatively connected to said clock mechanism and adapted to release said detent at a predetermined time in the operation of the clock mechanism to permit operation of the alarm.

2,002,434

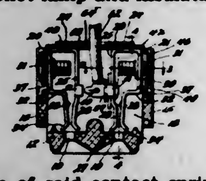
CONVENIENCE OUTLET

Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York

Application April 21, 1932, Serial No. 606,733
12 Claims. (Cl. 177—311)

1. In a convenience outlet, in combination, a pair of contact springs for connection to a power

circuit and arranged to be contacted by the prongs of an attachment plug, a contact for connection to a pilot lamp and insulating means at-



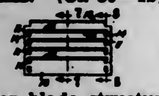
tached to one of said contact springs and supporting said contact therefrom and in the path of the plug prong engaging said spring for contact therewith.

2,002,435
CLOTHESLINE RING
Truxton Dessey, Aruba, Dutch West Indies
Application November 21, 1933, Serial No. 699,054
1 Claim. (Cl. 24—139)



A ring or pin of the kind described, comprising a single convolution formed from a length of resilient wire, the free ends of the wire being outwardly and inwardly curled at opposite sides of the convolution and disposed to project entirely without the said convolution to be exposed to their full extent beyond the convolution and at diametrically opposite points with respect thereto.

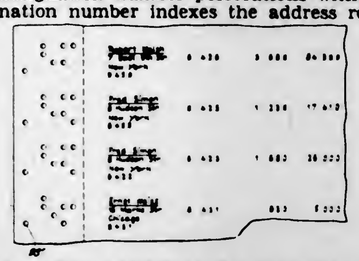
2,002,436
SAFETY RAZOR BLADE STRUCTURE AND HOLDER FOR SAME
Albert W. Franklin, New York, N. Y.
Application May 10, 1933, Serial No. 670,259
7 Claims. (Cl. 30—12)



7. A safety razor blade structure comprising a strip of steel having a plurality of successively disposed, transversely extending slots to form a series of cutting edges, all of said edges presenting in the same direction the transverse slots terminating within the side edges of the steel strip, the side edges of said strip being formed with inwardly extending notches disposed in transverse line with the edge forming slots to permit ready severance of the successive blades from said strip.

2,002,437
MECHANICAL METHOD OF PREPARING STATEMENTS, BILLS, AND THE LIKE
Michael Maul, Berlin-Johannisthal, Germany
Application July 15, 1931, Serial No. 550,939
In Germany July 28, 1930
20 Claims. (Cl. 101—47)

1. A mechanical method of preparing statements, bills and the like which consists in printing numerical accounting data associated to different designation numbers upon records, punching upon the same records to said numerical data the corresponding designation number perforations, analyzing and comparing the designation number perforations of said records and designation number indexes associated to address carriers, and printing upon agreement of said designation number perforations with said designation number indexes the address repre-



sented on said address carrier upon the corresponding perforated records to print upon the latter the address in addition to the numerical accounting data previously printed thereupon.

2,002,438
WINDSHIELD STORM SCREEN
John R. Oishei and Earl V. Schaal, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application March 18, 1931, Serial No. 523,620
21 Claims. (Cl. 219—19)

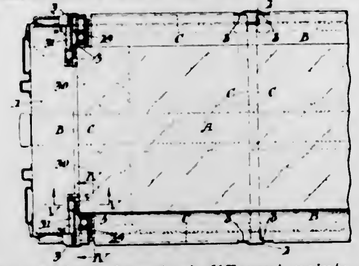


1. An attachment for motor vehicle windshields, and the like, including a heating frame, and means for movably mounting the frame adjacent the windshield supporting structure, an arm pivotally secured to the supporting bracket means and engaging the heating frame adjacent its outer extremity, a secondary arm carried by said bracket and engaging said heating frame to restrict free arcuate movement of the heating frame about the supporting bracket means, and means for associating said secondary arm and the heating frame, said means being releasable to change the position of the heating frame.

2,002,439
MOVABLE ABUTMENT FOR CONTAINER VEHICLES
Samuel H. Owens, Altoona, Pa.
Original application April 28, 1932, Serial No. 608,007. Divided and this application April 28, 1932, Serial No. 608,006
5 Claims. (Cl. 105—366)
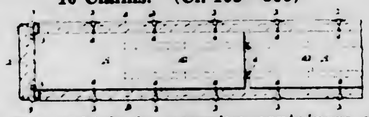
1. In a container carrying vehicle, a platform, a shaft mounted transversely of said platform, a seating abutment for a container slidable along

said shaft and rotatable thereon, and means for



locking said abutment at different points along the length of said shaft.

2,002,440
MOVABLE ABUTMENT FOR CONTAINER VEHICLES
Samuel H. Owens, Altoona, Pa.
Application April 28, 1932, Serial No. 608,007
10 Claims. (Cl. 105—366)



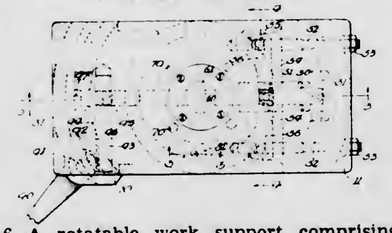
1. In a vehicle for carrying containers of the character described, a vehicle platform having a normally unobstructed floor space, abutments positively attached to said platform but freely movable transversely and along the surface of the platform toward the center line thereof and additional abutments freely movable longitudinally and along the surface of the vehicle and defining with said first abutments rectangular seats for the accommodation of containers of varying base dimensions as to width and length, in spaced relation along the length of the platform, each said abutment having capacity for locking engagement with said platform.

2,002,441
SILHOUETTE FORM
Ida R. Rock, Brooklyn, N. Y.
Application April 13, 1933, Serial No. 665,852
5 Claims. (Cl. 223—18.1)
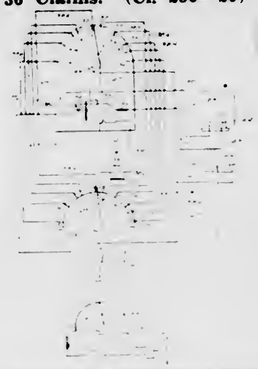


1. An adjustable form for the display of apparel comprising an extensible standard, a coat hanger or the like carried by the said standard, a plane body or sheet having the outline form of a torso silhouette or portion thereof with no substantial thickness adjustably positioned on said standard and means for adjustably varying the position of said body or sheet on the said standard with relation to said hanger.

2,002,442
ROTATABLE WORK TABLE
Fred R. Swanson, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application November 28, 1932, Serial No. 644,638
7 Claims. (Cl. 90—58)



6. A rotatable work support comprising in combination, a base providing a loading station and a working station, an elongated table rotatable thereon to position each end alternately at the loading and the working station, a pivot pin for centering the table movably mounted on the base, means for clamping the end of the table at the working station to the base, a bar movably mounted centrally of the base and extending longitudinally thereof, means actuated by the bar upon longitudinal movement thereof to draw the pivot pin downwardly to clamp the center of the table, means including a pair of pivoted levers disposed on opposite sides of said bar for actuating said clamping means upon longitudinal movement of said bar simultaneously with the clamping of the center of the table, an operating handle extending from said base at the loading end, means including toggle mechanism connecting said handle and the adjacent end of said bar, and means for locking the table against rotation comprising a recessed member secured to the underside of the table and a lock bolt slidably mounted on the base at the working end thereof and connected to the adjacent end of said bar accurately to position the end of the table at the working station.

2,002,443
REMOTE CONTROL DEVICE FOR RADIO-RECEIVERS
Adolph A. Thomas, New York, N. Y.
Application October 26, 1929, Serial No. 402,571
36 Claims. (Cl. 250—20)



1. In radio tuning apparatus, a remote control box having a series of electric contacts represent-

ing each a selected station, a rotary switch arm normally out of engagement with said contacts and movable axially into engagement with a selected contact, a normally open motor switch in said box, a manually operable member for closing said switch arm against any one of said contacts and at the same time closing said motor switch, and spring means for automatically restoring said switch arm and motor switch to normal position upon the manual release of said member, in combination with a radio receiver having adjustable tuning means, an electric motor for operating said tuning means, said normally open switch being connected in the circuit of said motor, and control mechanism operatively connected with said contacts to stop said motor when said tuning means has tuned in the station represented by the particular contact which said switch arm engages when the motor switch is closed.

2,002,444
REFRIGERATOR EVAPORATOR

Henry S. Woodruff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 28, 1929, Serial No. 389,047
44 Claims. (Cl. 62—95)

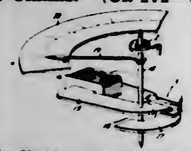


1. An evaporator for refrigerating machines including a flat upper surface for supporting articles to be frozen and a header extending along one edge of the evaporator, said evaporator having a plurality of passages extending from said header to the opposite side of said flat surface for the circulation of refrigerant therethrough and having a passage extending along the edge thereof communicating with the passages extending from said header.

2,002,445
TRANSVERSELY MAGNETIZED VANE INSTRUMENT

Ralph G. Arey, Swampscott, and Harold T. Faus, Lynn, Mass., assignors to General Electric Company, a corporation of New York

Application January 26, 1934, Serial No. 708,440
9 Claims. (Cl. 171—95)

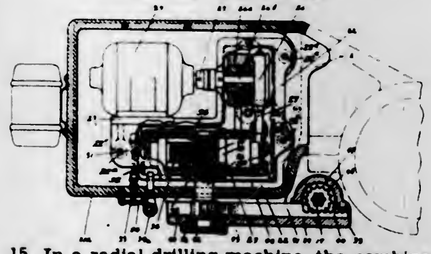


7. A ratio indicator comprising in combination a pair of stationary elements, each comprising a current conducting winding and a magnetic yoke linking said winding and having a pair of pole ends spaced to form an air gap therebetween, and a movable element carrying a sheet of transversely magnetized magnetic material mounted with the axis of rotation perpendicular to said sheet, the air gaps of said stationary members being adjacent to permit said movable sheet to pass from one air gap to the other, the connections of said current conducting windings being such that said movable vane is repulsed by each of said stationary members, thereby causing said movable member to be balanced in a position indicating the ratio of the currents flowing in said current conducting winding.

2,002,446
CLAMPING MECHANISM FOR RADIAL DRILLS

Jack C. Carlton, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application January 9, 1931, Serial No. 507,673
17 Claims. (Cl. 77—28)



15. In a radial drilling machine, the combination of a base, a rotatable column extending thereabove, a clamp for clamping said rotatable column in fixed relation to said base, a drill arm having a bearing about said column and provided with a shelf at the rear of said bearing, and a clamp operating unit secured under said shelf substantially within the horizontal projection of said drill arm, said clamp operating unit including a support and a separate reversible electric motor, a reversible hydraulic pump and a reversible hydraulic motor interconnected and mounted on said support, a liquid reservoir under said reversible hydraulic motor, inwardly opening check valves communicating with the respective sides of said reversible hydraulic motor and having suction connection with the liquid in said reservoir, the interconnections between said electric motor, said pump and said hydraulic motor including a drive connection between said reversible electric motor and said reversible hydraulic pump journaled on said support, said pump and said hydraulic motor each provided with opposite ports, and liquid passages between said ports of said pump and of said hydraulic motor respectively, and arranged for reverse operations of said reversible hydraulic motor by reverse operations of said reversible electric motor, and clamp operating means having operative connections with said reversible hydraulic motor and said clamp for translating the opposite movements in said reversible hydraulic motor into clamping and unclamping movements of said clamp.

2,002,447
HALOGEN ALKENYL PHENOLS AND MANUFACTURE THEREOF

Stanislaus Deichsel, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

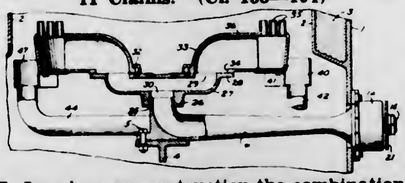
No Drawing. Application October 30, 1933, Serial No. 695,958. In Germany November 11, 1932
14 Claims. (Cl. 260—154)

1. Phenols which are substituted at the benzene nucleus by a halogen atom and by an unsaturated organic radical of 4 to 7 carbon atoms selected from the group consisting of alkenyl and cycloalkenyl groups containing one double bond, which products display a disinfecting action.

2,002,448
ATMOSPHERIC GAS BURNER

Harry H. Dodge, Williamsport, Pa.

Application November 1, 1932, Serial No. 640,701
11 Claims. (Cl. 158—104)

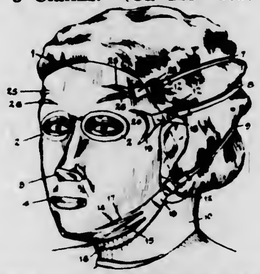


7. In a burner construction the combination of a spider for receiving fuel; a conduit for supplying fuel to said spider, said conduit delivering the fuel through the bottom wall of the spider; and a plurality of burner chambers one for each branch of the spider, said chambers having arms radially adjustable upon the upper surfaces of the branches of said spider and adapted to receive the fuel therefrom, each burner chamber provided with ports for exhausting the fuel, whereby the complete burner is capable of being adjustably fitted to fire pots of different dimensions.

2,002,449
DERMATOID MASK

Elizabeth Dohm, Toledo, Ohio, assignor of one-half to Florence R. Seyfried, Toledo, Ohio

Application October 18, 1934, Serial No. 748,786
8 Claims. (Cl. 128—163)



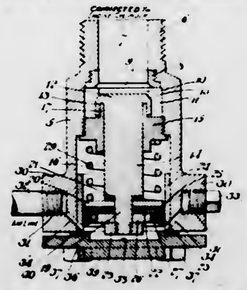
1. A dermatoid mask having elastic, porous material, tension members extending from parts of the mask to draw at a plurality of points from central portions of the mask, and ribs for directively distributing the tension over desired parts of the skin of the person.

2,002,450
CYLINDER COCK

Robert H. George, Philadelphia, Pa., assignor to George Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware

Application March 9, 1933, Serial No. 660,083
8 Claims. (Cl. 121—134)

1. A cylinder cock comprising a casing, a guide member mounted therein forming a horizontal partition separating the interior of the casing into a valve chamber and a piston chamber, the casing having a port forming a communication between the engine cylinder and the valve chamber and an opening in the side wall forming a communication between the valve chamber and the exterior, a valve disposed in the valve chamber adapted to close said port, said valve having a stem extending through the guide member, the guide member having an upwardly extending annulus surrounding the valve stem, and the valve member having a recess into which said annulus projects, a piston mounted on the lower end of the valve stem, the casing having a fluid pressure connection and a port extending therefrom to the

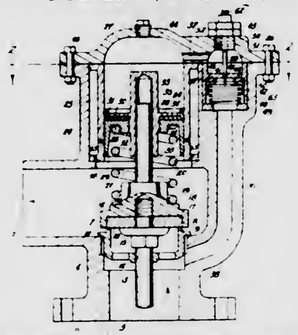


piston chamber below the piston, a bonnet for closing the lower end of the casing, said bonnet having a boss normally disposed exteriorly but adapted when the bonnet is reversed to hold the valve in the closed position.

2,002,451
WATER HAMMER ELIMINATOR

Wallace M. Gray, Cincinnati, Ohio

Application January 21, 1935, Serial No. 2,768
6 Claims. (Cl. 137—71)



1. A water hammer eliminator comprising in combination: a body having an inlet port for fluid under pressure and a waste discharge port to be placed in fluid communicative relationship with the inlet port, a valve normally barring communication between said ports, a cylinder, and a plunger therein movable toward and from the valve, said cylinder having a fluid chamber above the plunger, means constantly yieldingly urging the plunger away from the valve and tending always to reduce the capacity of the said fluid chamber, a by-pass providing for a restricted flow of fluid from the inlet port to the fluid chamber above the plunger, and means providing for a copious flow of fluid in the opposite direction, upon application to the valve of a sudden high pressure surge of fluid in the inlet port sufficient to open the valve and move the plunger.

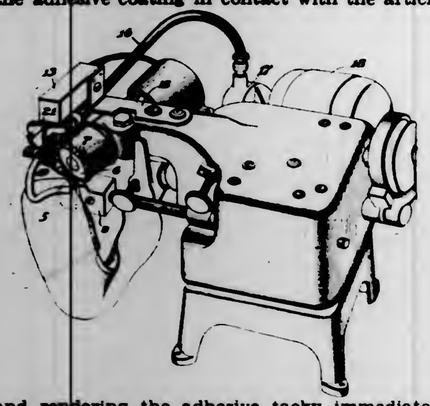
2,002,452
METHOD OF AND MACHINE FOR APPLYING REENFORCING STRIP MATERIAL

Robert A. Hartt, Lynn, Mass., assignor, by mesne assignments, to Griess, Pfleger & Company, Inc., Cincinnati, Ohio, a corporation of Ohio

Application June 3, 1930, Serial No. 459,066
2 Claims. (Cl. 12—55)

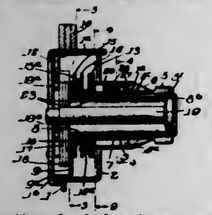
1. That improvement in methods of securing a reenforcing strip of sheet material coated with

a meltable adhesive to an article of work which consists in relatively feeding said article and strip, pressing said strip against said article with the adhesive coating in contact with the article,



and rendering the adhesive tacky immediately prior to bringing it into contact with said article by blowing a hot gaseous fluid along the surface of said adhesive coating longitudinally of said strip.

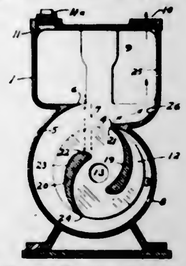
2,002,453
LOCK
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application April 23, 1931, Serial No. 532,149
13 Claims. (Cl. 70—53)



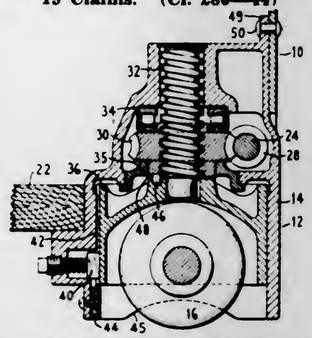
1. A combination lock having a rotatable dial knob, a rotatable key post concentric with said knob, permutation disks operable by the dial knob, a lock bolt, a member operable by the key post for operating said lock bolt, and means cooperable with the disks for operating the lock bolt by the dial knob, said means comprising an index element pivotally connected to the lock bolt and normally held by said disks in cooperative engagement with an abutment on said member to establish an operative connection between said member and lock bolt but displaceable from such engagement to disestablish such connection when the disks are manipulated to establish condition for operating the lock bolt by the dial knob.

2,002,454
CENTRIFUGAL SELF-PRIMING PUMP
Herbert E. Rupp, Mansfield, Ohio, assignor to Gorman-Rupp Company, Mansfield, Ohio, a corporation of Ohio
Application May 8, 1933, Serial No. 669,890
10 Claims. (Cl. 103—113)

8. A non-recirculating self-priming centrifugal pump, comprising, a volute impeller chamber having an intake port, a liquid retaining chamber over the impeller chamber, a single communicating passage between the two chambers disposed intermediate the sides thereof with respect to the plane of impeller rotation therein, and a rotary impeller in said impeller chamber having backwardly curving blades arranged to pass close to one side of the passage and therewith provide a liquid cut-off from the upper to the lower chamber.



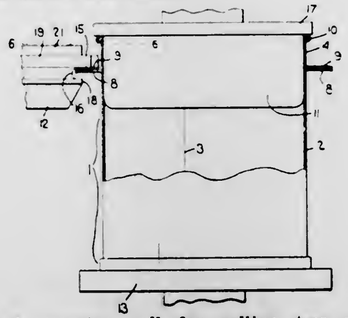
2,002,455
SHIPPING CONTAINER WITH MECHANICAL JACK
Frank H. Schwerin, Bellevue, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1932, Serial No. 620,628
19 Claims. (Cl. 280—44)



1. In combination with a shipping container; lifting devices connected with the container above the base of the container, each lifting device including a wheel and means for thrusting the wheel downwardly below the bottom supporting surface, and thus lifting the container so that it is supported by the wheels, mechanism operable to turn each wheel through a definite angle so that the shipping container can be rolled in different lines of direction, and means for holding each wheel in various planes of rotation.

2,002,456
METHOD OF AND APPARATUS FOR MAKING A CAN
Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.
Application May 3, 1933, Serial No. 669,127
15 Claims. (Cl. 113—7)

10. The method of making a can which consists in (1) assembling in axial alignment and with their seaming flanges in mating relation a body portion having at its upper end an outwardly-directed seaming flange and a neck portion having the same internal diameter as the upper part of the body portion and is provided with a seaming flange which mates the seaming flange of the body portion, (2) introducing into the aligned neck and body portions a seaming chuck which fits the interior of the body and neck portions, and (3) rolling the mating flanges into a double lock seam.



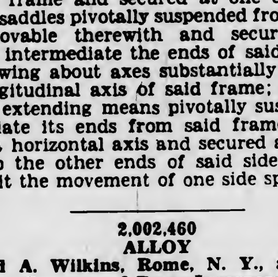
14. A seaming roll for rolling two mating flanges into a double lock seam, said roll having a peripheral curling groove to act on the edges of both flanges and roll them into a double lock seam and also having an annular flange portion adapted to engage the face of one of the seaming flanges, said flange portion being sectionally contractible.

2,002,457
CAN
Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.
Application June 5, 1933, Serial No. 674,388
1 Claim. (Cl. 220—42)

A can having a body section and a seamless neck section forming an extension of the body section and adding to the capacity of the can, the material forming the side walls of the neck section being bent back on itself with the two plies in contact with each other, said two-ply portion of the neck section fitting into the upper portion of the body section, and said neck section and body section being secured together by two outwardly-extending contacting seaming flanges, one on the neck section and the other on the body section, which are rolled together to produce a double lock seam on the exterior of the cam, the lower end of the neck section and the portion of the body section immediately below the neck section having the same diameter and forming together a chuck-engaging surface for engagement with a chuck during the rolling of the seaming flanges to form the double lock seam.

2,002,458
CAN
Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.
Application September 26, 1933, Serial No. 691,004
1 Claim. (Cl. 220—42)

A can having a body section and a seamless neck section secured to the body section with a double lock seam, said neck section forming an extension of the body section and the upper edge of the neck section being curved outwardly to present a bead, the lower end of the neck section being bent back on itself with the two plies in contact with each other and the two-ply portion of said section fitting within the upper end of the body section, and the body section having an interior shoulder engaging the lower end of the neck section, a cover having a frictional fit within



the neck section and having a bead at its periphery, said neck section having an internal shoulder forming a stop portion against which the cover rests when it is in operative position closing the can, said stop portion being so positioned that when the cover rests against it the bead of the cover is spaced slightly from the bead of the neck, thereby providing a space in which an implement may be inserted for prying the cover from the can.

2,002,459
VEHICLE SPRING SUSPENSION
Philip Viviano, St. Louis, Mo.
Application March 12, 1934, Serial No. 715,090
2 Claims. (Cl. 267—36)

1. The combination with a vehicle frame and an axle, of side springs extending longitudinally of said frame and secured at one end to said frame; saddles pivotally suspended from said axle and movable therewith and secured to the springs intermediate the ends of said springs so as to swing about axes substantially parallel to the longitudinal axis of said frame; and transversely extending means pivotally suspended intermediate its ends from said frame to rotate about a horizontal axis and secured adjacent its ends to the other ends of said side springs to transmit the movement of one side spring to the other.

2,002,460
ALLOY
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application March 2, 1935, Serial No. 9,109
3 Claims. (Cl. 75—1)

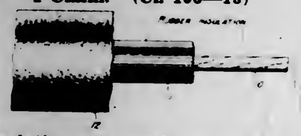
1. Substantially zincless copper-base alloys capable of being worked both hot and cold, and

capable when in the cold rolled and drawn condition of being heat treated at temperatures below recrystallization temperatures markedly to increase the yield point without reduction in tensile strength and ductility, consisting essentially of copper, silicon and tin within the following approximate ranges and proportions: silicon 2.25 to 3.5%, tin 0.25 to 2%, balance substantially copper, the minimum amount of tin being 0.25% for all values of silicon, and the maximum amount of tin varying between 1.8 and 2% linearly and directly with the silicon when the latter is between 2.25 and 3%, and varying between 1.7 and 2% linearly and inversely with the silicon when the latter is between 3 and 3.5%, the alloys being further characterized by a tensile strength of at least 55,000 pounds per square inch with an elongation of at least 60% in 2 inches when in the fully annealed condition, and when in this condition being capable of being cold drawn to secure a tensile strength of at least 105,000 pounds per square inch with an elongation of at least 9% in 2 inches or cold rolled to secure a tensile strength of at least 100,000 pounds per square inch with an elongation of at least 4% in 2 inches.

2,002,461
RUBBER INSULATION FOR SUBMARINE CABLES

Robert R. Williams, Roselle, and Archie R. Kemp, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 4, 1923, Serial No. 678,509
1 Claim. (Cl. 106—13)



An insulating material comprising rubber highly freed of water soluble materials, and a filler, the particles of said filler being such as will pass a sieve of 100 meshes per inch but will not pass a sieve greatly finer than 200 meshes per inch.

2,002,462
WELDING ROD

Gorham W. Woods, Houston, Tex., assignor, by mesne assignments, to Haynes Stellite Company, Kokomo, Ind., a corporation of Indiana

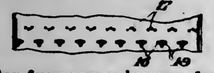
No Drawing. Application August 6, 1928, Serial No. 297,909
7 Claims. (Cl. 219—8)

1. A welding rod comprising an aggregate of small particles of tungsten carbide mixed with a binder of iron, said iron and carbide being alloyed together along the outer surfaces of said particles.

2,002,463
STEAM BOILER

Ervin G. Bailey, Easton, Pa., and Howard J. Kerr and Ralph M. Hardgrove, Westfield, N. J., assignors to Fuller Lehigh Company, Fullerton, Pa., a corporation of Delaware

Application December 11, 1929, Serial No. 413,200
Renewed February 8, 1934
21 Claims. (Cl. 122—235)

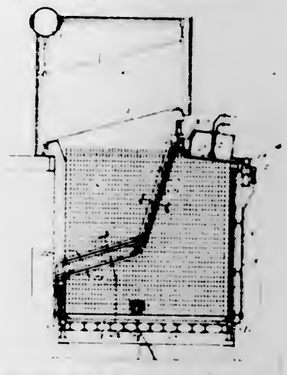


1. In a boiler furnace, a burner for introducing pulverized slag forming fuel into said furnace, and rows of groups of slag collecting tubes extending across the upper portion of said furnace above said burner, each group being wider than twice the diameter of one tube.

2,002,464
BOILER FURNACE

Ervin G. Bailey, Easton, Pa., Howard J. Kerr, Westfield, N. J., and Ralph M. Hardgrove, Bethlehem, Pa., assignors to Fuller Lehigh Company, Fullerton, Pa., a corporation of Delaware

Application December 11, 1929, Serial No. 413,201
14 Claims. (Cl. 122—235)

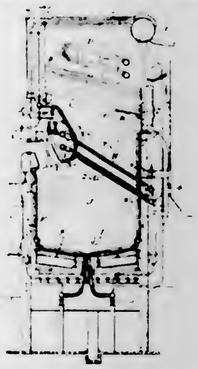


1. In a water tube boiler, a furnace, a baffle extending downwardly into said furnace from the upper portion thereof, a fuel burner projecting pulverized slag forming fuel downwardly into said furnace in front of said baffle, and staggered slag removing tubes extending across said furnace from the lower edge of said baffle.

2,002,465
SLAG DRIP AND SCREEN

Ervin G. Bailey, Easton, Pa., and Howard J. Kerr, Westfield, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application October 28, 1930, Serial No. 491,682
Renewed April 3, 1934
27 Claims. (Cl. 122—235)



1. In a steam generator, a furnace, a water tube boiler positioned beyond the furnace relative to gas flow, means for burning a slag forming fuel in said furnace, and a water tube screen forming a combined gas agitating and slag collecting screen between the furnace and the boiler, the tubes thereof having transverse metal projections hotter than the body of the tubes whereby slag directed there-against is hindered from freezing thereon and consequently runs off, said projections being arranged along the tubes to prevent the accumulation of slag at positions near the ends of the tubes, the water tubes of the screen consisting of a single thickness of metal with a cooling fluid contacting their inner surfaces and with the metallic extensions welded or otherwise integrally joined with the metal of the tubes on their outer surfaces.

2,002,466
KNOB OR HANDLE CONSTRUCTION

Don A. Belden, Akron, Ohio, assignor to The Baker-McMillen Company, Akron, Ohio, a corporation of Ohio

Application May 1, 1934, Serial No. 723,350
6 Claims. (Cl. 16—121)

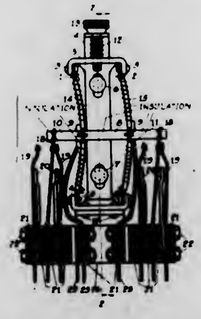


1. An attachment for a sheet metal or similar construction comprising a knob having a preformed recess, a projection integral with the knob and located in the recess, a headed rivet having a shank portion which is split to provide prongs, the projection being compressed between the prongs of the rivet when the same is forced into position.

2,002,467
SNAP ACTING THERMAL DEVICE

Edwin O. Blodgett, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 13, 1931, Serial No. 536,991
11 Claims. (Cl. 200—122)

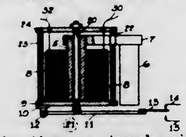


1. In a thermal-electric device, two opposed thermo-responsive strips, a rigid support at each end of said strips, compression biasing means on said supports arranged to produce a longitudinal buckle in said strips, individual electrical heating elements associated with each strip and means rigidly interconnecting intermediate portions of said strips.

2,002,468
SIGNALING SYSTEM FOR RAILROADS

Theodore Bodde, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 15, 1930, Serial No. 488,897
17 Claims. (Cl. 246—41)

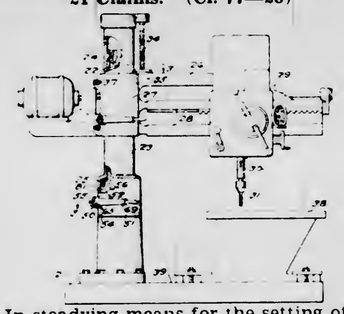


1. In combination, a track circuit including track rails having a section insulated from adjacent sections, a track battery connected across the rails at one end thereof, and a compensated track relay connected across the rails at the other end comprising, a quick acting means including a main coil, and slow acting means included in the same circuit with said quick acting means for changing the operating characteristic of said quick acting means in accordance with the flow of current in said main coil.

2,002,469
COLUMN CLAMP FOR RADIAL DRILLS

Jack C. Carlton, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application September 2, 1933, Serial No. 688,008
21 Claims. (Cl. 77—28)



1. In steadying means for the setting of a tool in a drilling machine, the combination with the drill-arm on which the tool is located, and means for adjusting said drill-arm and the tool thereon into various radial positions of a clamp bearing for said arm comprising resilient cheeks and a part toward which said cheeks are clamped, means clamping said cheeks toward said part, and means adjusting the relative resilience between said cheeks for adjusting the relative clamping moments between said cheeks and said part so that said cheeks are clamped simultaneously and equally for maintaining said clamp bearing and said part in adjusted relation throughout the clamping.

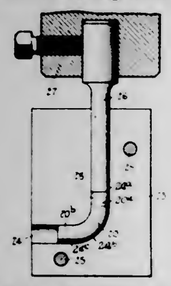
2,002,470
METHOD OF MAKING ELBOW PIPE FITTINGS OF INTEGRAL TUBULAR METAL

Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application January 16, 1932, Serial No. 586,981
2 Claims. (Cl. 29—157)

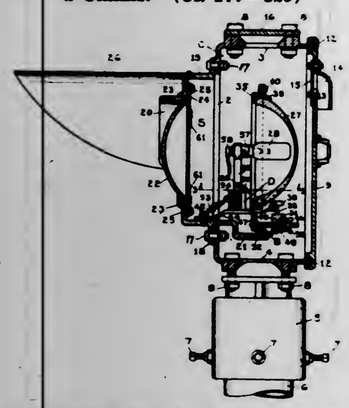
1. The method of forming an elbow pipe fitting of integral wrought metal having a wall thickness

incapable of forming a thread, which comprises taking a substantially rectilinear tubular length of integral wrought metal having a wall thickness incapable of forming a thread, placing the same in a forming die having a channel comprising an arcuate channel portion corresponding to the angular degree of the degree of the desired elbow pipe fitting, said channel further having channel portions respectively anterior to and posterior of and directly communicating with the stated arcu-



ate channel portion, applying active pressure solely endwise at the edge of the anterior portion of the tubular length, and subjecting the posterior portion of the tubular length firstly to arcuate bending and subsequently to rectilinear configuration and the intermediate portion of the tubular length to arcuate bending solely by the action of the walls of the stated arcuate and posterior portions of the channel conjointly with the stated applied active pressure, the aforesaid being effected in the absence of supplied heating.

2,002,471
LIGHT SIGNAL
Salisbury M. Day, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 2, 1925, Serial No. 12,582
2 Claims. (Cl. 177—329)



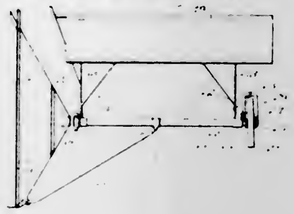
1. In a light signal, in combination, a casing, a lens supporting ring secured to the casing, a lens in the ring, a shelf on the ring and extending into the casing, a light source, means for supporting the light source on the shelf, a concave reflector, means securing the reflector to the shelf, means for positioning the light source at the focal point of the reflector, and means for adjusting the reflector to project a beam through the lens.

2,002,472
HOSE COUPLING
James A. Jensen, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Application May 16, 1934, Serial No. 725,961
3 Claims. (Cl. 285—143)



1. A hose coupling of the type described comprising a tubular fitting having a manipulator enlargement intermediate its ends, an annular longitudinal recess in said fitting to one side of the enlargement for connecting-reception of a hose end, a shouldered portion at the other side of said enlargement having a comparatively coarse right-hand screw-thread with a plain cylindrical extension; a sleeve slidably fitting said extension with means preventing its rotation relative thereto, said sleeve having an exterior left-hand screw-thread, of corresponding pitch to the plain shouldered portion right-hand screw-thread, and embodying a shroud flange for engagement over the terminal flange of an axially-aligning fitting; and an adjuster nut collar having internal right and left-hand screw-threaded portions for cooperation with the extension and sleeve threaded parts to effect coupling connection of an aligned fitting or attachment of the coupling to a drain outlet.

2,002,473
COMBINED GRAIN AND TRANSPORT WHEEL FOR HARVESTER THRESHERS
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 13, 1926, Serial No. 134,992
4 Claims. (Cl. 56—122)



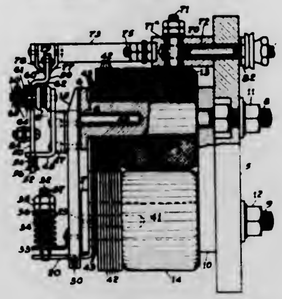
1. In a machine of the class described, a main frame, a harvester including an axle laterally offset from the main frame and foldingly connected thereto for rearward and horizontal folding, an arm on the free end of the axle, a yoke pivoted to the arm, a wheel carried in said yoke, means for preventing pivotal movement of the yoke when the harvester is in its normal offset position, and means for causing pivotal movement of said yoke when the harvester is in its folded position.

2,002,474
FRAME FOR TRACK TYPE TRACTORS
Edward A. Johnston, Chicago, and David B. Baker, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Original application May 6, 1932, Serial No. 609,650. Divided and this application June 30, 1933, Serial No. 678,338
8 Claims. (Cl. 280—106)



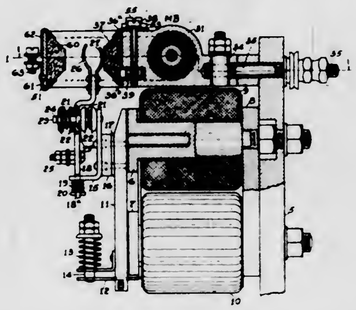
1. A frame for track type tractors comprising a front part cast into one piece and substantially rectangularly shaped in plan, said front part serving as a motor support and at its rear being formed with a flange, a rear part cast hollow into one piece including a narrow front portion with a flange bolted to the flange on the front part casting, said rear part being widened out transversely to form a relatively large rear box portion having parallel sides and a transverse rear vertical open end, the parallel sides having depending portions extending below the bottom of the box portion and concaved with the sides to form a circular gear nest, said box including at each side an integrally cast shaft mount arranged in the concaved sides forwardly and eccentrically thereof, and a thickened portion in advance of each said shaft mount joining the front narrow frame portion and the rear box portion and formed with transversely aligned trunnion mount openings.

2,002,475
TRACTIVE TYPE RELAY
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 19, 1931, Serial No. 545,402
8 Claims. (Cl. 200—87)



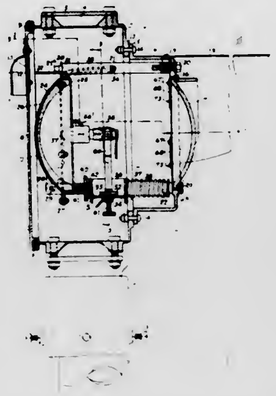
6. In a relay for controlling circuits of large current carrying capacity, in combination, two vertically spaced electro-magnets, a vertical armature coacting with the two electro-magnets, front and back fixed contacts, movable contacts cooperating with said fixed contacts, means biasing the armature away from the electro-magnets, oppositely arranged contact biasing means normally centering the movable contacts relative to the armature, and means preventing the actuation of the movable contacts by the contact biasing means beyond said centered relation to the armature.

2,002,476
TRACTIVE TYPE RELAY
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 24, 1931, Serial No. 552,906
2 Claims. (Cl. 200—147)



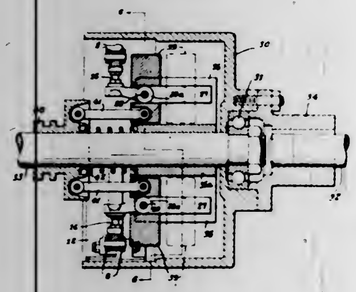
1. In combination, a terminal board, a back spacer and a front spacer mounted on the terminal board, two separate units, and a single rod holding the units between said spacers, each unit comprising a molded bakelite coil mounting, a coil within said mounting, a core within said coil, two pole pieces, one mounted on either end of said core, two spaced contacts mounted between said pole pieces, and two porcelain shields for insulating said spaced contacts from the said pole pieces respectively.

2,002,477
LIGHT SIGNAL FOR RAILROADS
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application August 25, 1926, Serial No. 131,465. Divided and this application June 18, 1934, Serial No. 731,027
5 Claims. (Cl. 240—44.26)



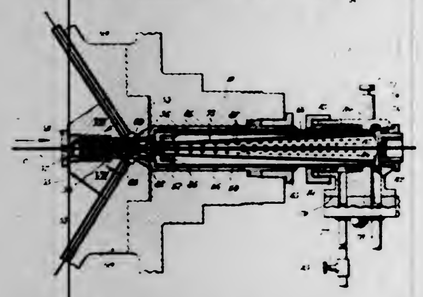
1. In a light signal, a light source and light concentrating and projecting means, a support frame therefor, focus finding means carried by the frame and including, at least three finders pivoted to the frame and extending into the path of the projected light beam, and a notched portion on each finder unit defining an indicating line.

2,002,478
TRANSMISSION CLUTCH
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Application October 17, 1932, Serial No. 638,057
11 Claims. (Cl. 192—105)



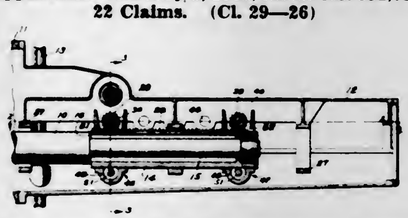
1. A centrifugal clutch for releasably coupling a drive shaft with a driven pulley, embracing a spider fast on the drive shaft, shoe-carrying arms pivotally connected to the spider, each arm carrying a pivotal clutch-shoe movable by centrifugal force into clutching engagement with the surrounding rim of the driven pulley, manually controllable retracting means including a pivoted lever, one of whose arms has retracting connection with said shoe-carrying arm, and a centrifugally acting counterweight arranged to exert a counterbalancing thrust on the retracting lever to weaken or overcome the centrifugal force actuating the brake shoe to its active position according to the distance of the counterbalancing weight from the fulcral point of the retracting lever.

2,002,479
MANUFACTURE OF FLEXIBLE SHAFTING
Robert C. Angell, Prince Bay, N. Y., and Frank L. O. Wadsworth, Pittsburgh, Pa., assignors to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application August 20, 1931, Serial No. 558,340
13 Claims. (Cl. 29—148)



3. An improvement in the art of fabricating flexible shafting which comprises the successive steps of heating a strand wire, winding the said heated wire on a core body at a pitch angle of less than 45 degrees to a line transverse to the axis of the core body, and then subjecting the wound layer of wire to a mechanical working to thereby relieve unbalanced stresses and strains therein.

2,002,480
DRIVE FOR MACHINE TOOL ELEMENTS
Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application February 8, 1932, Serial No. 591,739
22 Claims. (Cl. 29—26)



1. In a machine tool, in combination, an elongated horizontal casing having a plurality of spaced bearing brackets alined longitudinally thereof, an elongated horizontal sleeve slidable longitudinally in said brackets, a spindle having one end extending through said sleeve and being rotatably and non-translatably mounted therein, said sleeve being formed longitudinally with an elongated gear rack, two pinions mounted in said casing and adapted selectively to mesh with said rack, said pinions being spaced apart a distance substantially equal to the effective length of said rack, and means for driving said pinions simultaneously and at the same peripheral speed in the same direction.

2,002,481
ARTIFICIAL SILK MANUFACTURE
Beirne Gordon, Jr. and Harold J. V. Michel, Utica, N. Y., assignors to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application September 10, 1931, Serial No. 562,022
7 Claims. (Cl. 18—54)

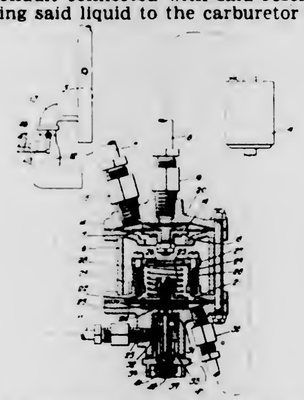


1. Method of manufacturing artificial silk which comprises the steps of spinning a yarn cake in the usual manner, removing the spun cake from the spinning bucket and applying a fabric thereto without distorting the cake, subjecting the cake while thus covered by the fabric and in its undistorted form to the action of desired treating fluids, inserting a collar within the fabric and cake to support the cake, turning the fabric back onto the collar to expose the cake while leaving it supported by the collar, and unwinding the yarn from the cake.

2,002,482
MEANS FOR AUTOMATIC CONTROL OF ANTIKNOCK LIQUIDS
Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware
Application January 20, 1934, Serial No. 707,550
11 Claims. (Cl. 123—119)

1. In means for controlling the supply of varying amounts of a supplementary liquid, other

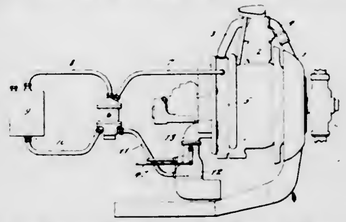
than the fuel itself, for distribution in the air-fuel mixtures used in operating an internal-combustion engine, apparatus comprising, a closed reservoir for providing a constant supply of said supplementary liquid, means for producing fluid pressure above atmospheric pressure on said liquid, a conduit connected with said reservoir for conducting said liquid to the carburetor for said



engine, a controlling device in said conduit for permitting the admission and for regulating the amount of said liquid to be supplied, and means connected with said device and actuated by the fluid pressure above atmospheric pressure in said reservoir and in said conduit, to determine the conditions for actuating said device to control the admission and the rates of flow of said liquid therethrough.

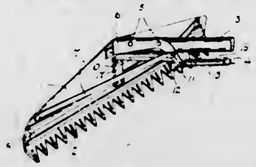
2,002,483
METHOD FOR AUTOMATIC CONTROL OF ANTIKNOCK LIQUIDS
Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware
Original application January 20, 1934, Serial No. 707,550. Divided and this application March 7, 1934, Serial No. 714,442
8 Claims. (Cl. 123—119)

1. The method of supplying a supplementary liquid in varying amounts for distribution in the air-fuel mixtures used in operating an internal-combustion engine, which comprises, producing a fluid pressure above atmospheric pressure in substantial proportion to the power developed by the engine, causing said fluid pressure to act elastically upon the surface of said supplementary



liquid and impel the same to flow in the desired direction, and then regulating the rates of flow of said supplementary liquid in proportion to the fluid pressure on the same.

2,002,484
GARDEN RAKE TOOTH CLEANING APPLIANCE
Walter B. Zimmerman, Winnipeg, Manitoba, Canada
Application November 4, 1933, Serial No. 696,719
3 Claims. (Cl. 55—146)

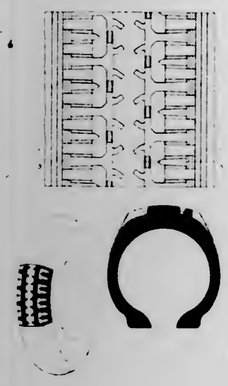


1. The combination with a handle, a headstock attached to said handle and a curved rake head secured thereto and provided with teeth, of a cleaning bar located to the inner side of the head and pivotally connected to said headstock, a hand trigger pivotally attached to the end of the handle remote from the head, an operating connection between the trigger and the cleaning bar to shift said cleaning bar on its pivot in an arcuate path following the curve of said rake head and teeth to clean said teeth, means normally holding the cleaning bar in an elevated position in regard to the teeth and means co-acting with said bar and said operating connection to yieldably press the bar towards the rake head as it passes downwardly towards the points of the teeth.

DESIGNS

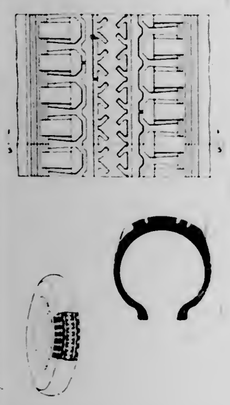
MAY 21, 1935

95,622
DESIGN FOR A TIRE
Arthur Balthazar and John E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 4, 1935, Serial No. 55,718
Term of patent 14 years



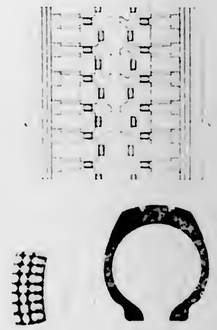
The ornamental design for a tire as shown.

95,623
DESIGN FOR A TIRE
Arthur Balthazar and John E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 4, 1935, Serial No. 55,720
Term of patent 14 years



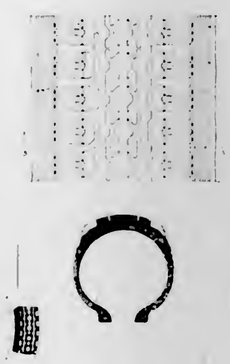
The ornamental design for a tire as shown.

95,624
DESIGN FOR A TIRE
Arthur Balthazar and John E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 4, 1935, Serial No. 55,721
Term of patent 14 years



The ornamental design for a tire as shown.

95,625
DESIGN FOR A TIRE
Arthur Balthazar and John E. Allen, Chicopee Falls, Mass., assignors to Gamble Stores, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 4, 1935, Serial No. 55,722
Term of patent 14 years



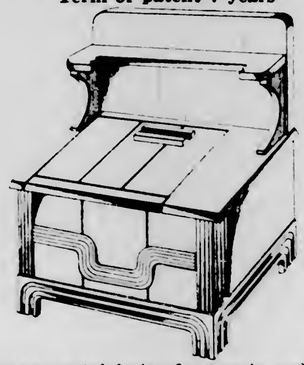
The ornamental design for a tire as shown.

95,626
DESIGN FOR AN ENSEMBLE DRESS
Louis Baum, New York, N. Y.
Application April 11, 1935, Serial No. 56,339
Term of patent 3½ years



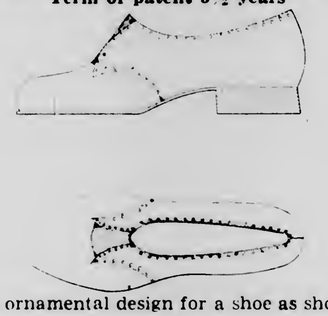
The ornamental design for an ensemble dress, substantially as shown and described.

95,627
DESIGN FOR A RECIPE CABINET
Charles E. Bisbey, Metaline Falls, Wash.
Application February 4, 1935, Serial No. 55,242
Term of patent 7 years



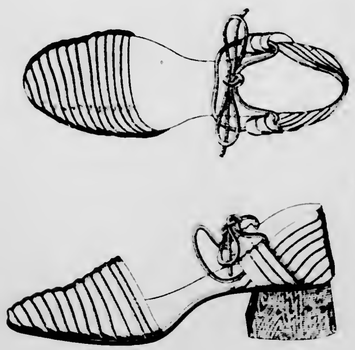
The ornamental design for a recipe cabinet substantially as shown.

95,628
DESIGN FOR A SHOE
Everett Bradley, Haverhill, Mass.
Application April 6, 1935, Serial No. 56,247
Term of patent 3½ years



The ornamental design for a shoe as shown.

95,629
DESIGN FOR A SHOE
Albert M. Bressler, New York, N. Y.
Application March 26, 1935, Serial No. 56,056
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

95,630
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Samuel Brietman, Chelsea, Mass.
Application April 4, 1935, Serial No. 56,215
Term of patent 3½ years



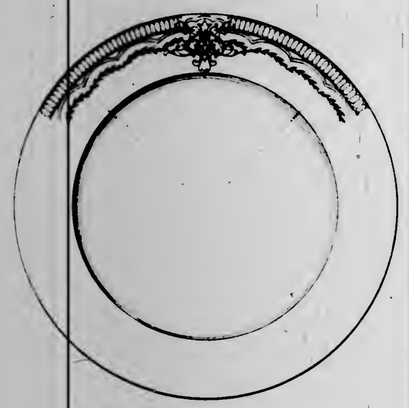
The ornamental design for a shoe or article of analogous nature, substantially as shown and described.

95,631
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,157
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,632
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,158
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,633
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,159
Term of patent 7 years



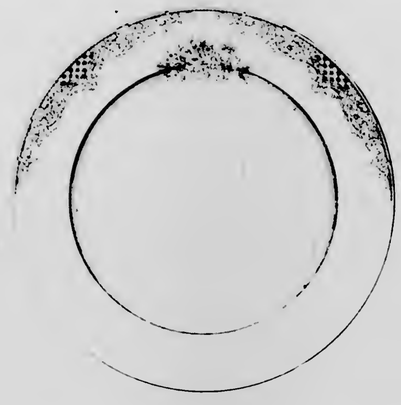
The ornamental design for a plate or similar article, as shown and described.

95,634
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,160
Term of patent 7 years



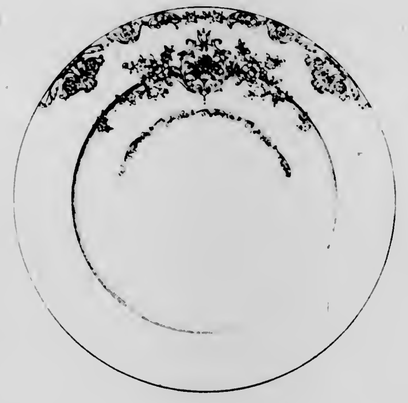
The ornamental design for a plate or similar article, as shown and described.

95,635
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,161
Term of patent 7 years



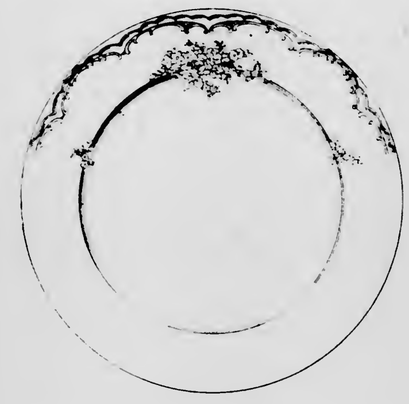
The ornamental design for a plate or similar article, as shown and described.

95,636
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,162
Term of patent 7 years



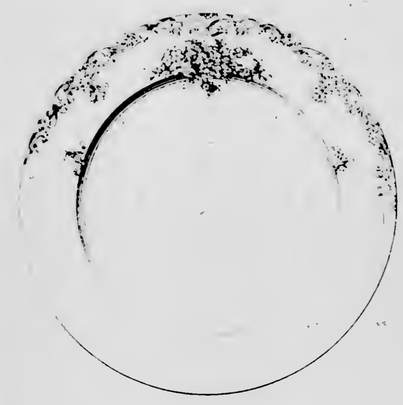
The ornamental design for a plate or similar article, as shown and described.

95,637
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,163
Term of patent 7 years



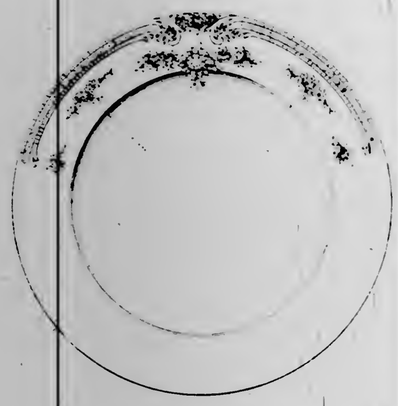
The ornamental design for a plate or similar article, as shown and described.

95,638
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,164
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,639
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,165
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,640
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,166
Term of patent 7 years



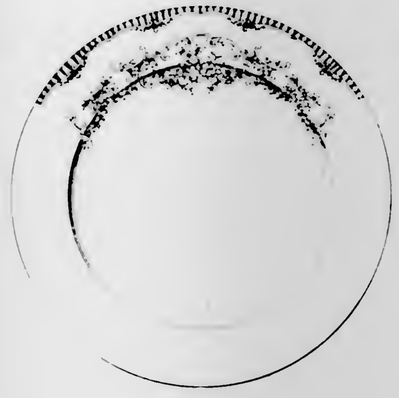
The ornamental design for a plate or similar article, as shown and described.

95,641
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,167
Term of patent 7 years



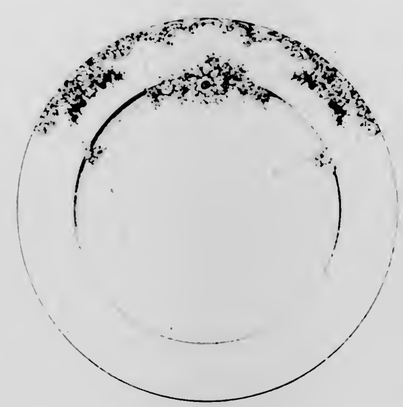
The ornamental design for a plate or similar article, as shown and described.

95,642
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,168
Term of patent 7 years



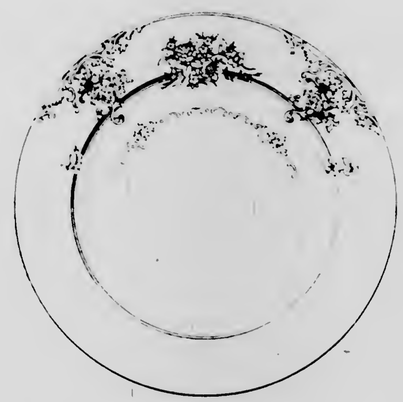
The ornamental design for a plate or similar article, as shown and described.

95,643
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,169
Term of patent 7 years



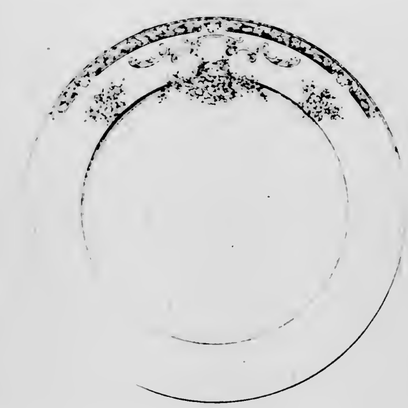
The ornamental design for a plate or similar article, as shown and described.

95,644
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,170
Term of patent 7 years



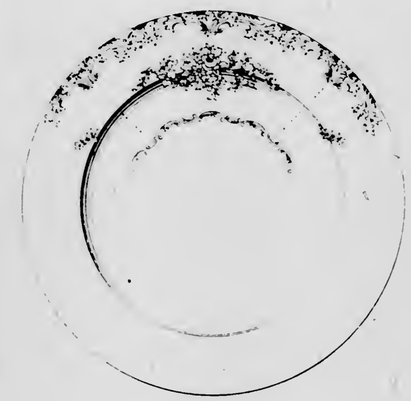
The ornamental design for a plate or similar article, as shown and described.

95,645
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,171
Term of patent 7 years



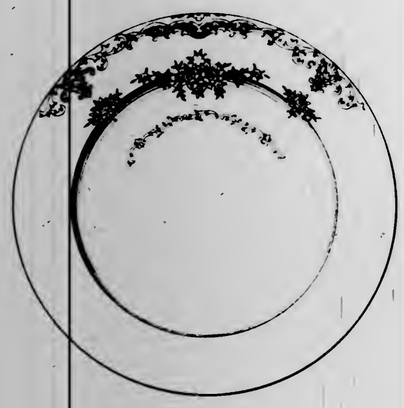
The ornamental design for a plate or similar article, as shown and described.

95,646
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,172
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,647
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,173
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,648
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,174
Term of patent 7 years



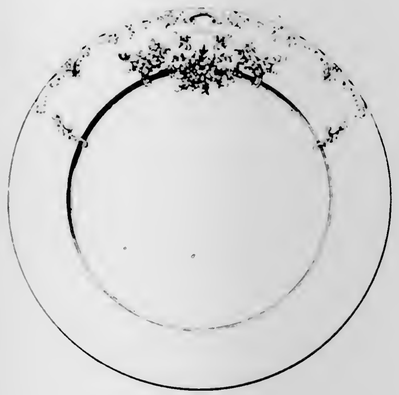
The ornamental design for a plate or similar article, as shown and described.

95,649
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,175
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,650
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,176
Term of patent 7 years



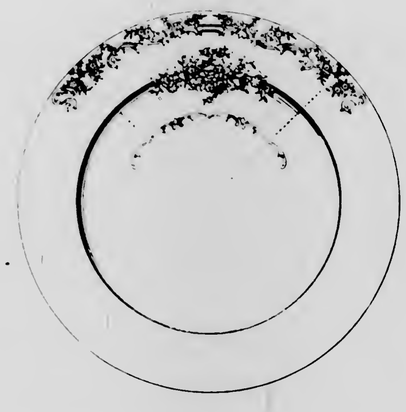
The ornamental design for a plate or similar article, as shown and described.

95,651
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,177
Term of patent 7 years



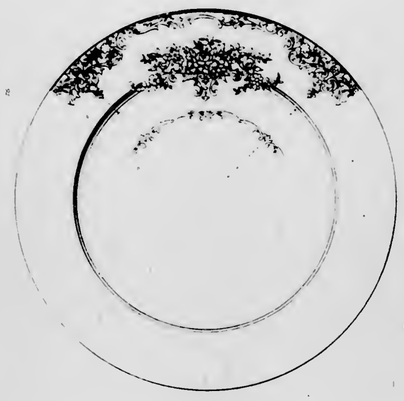
The ornamental design for a plate or similar article, as shown and described.

95,652
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,178
Term of patent 7 years



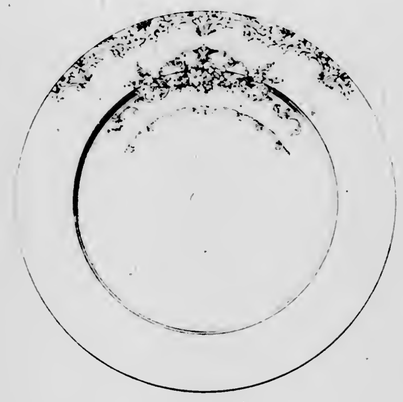
The ornamental design for a plate or similar article, as shown and described.

95,653
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,179
Term of patent 7 years



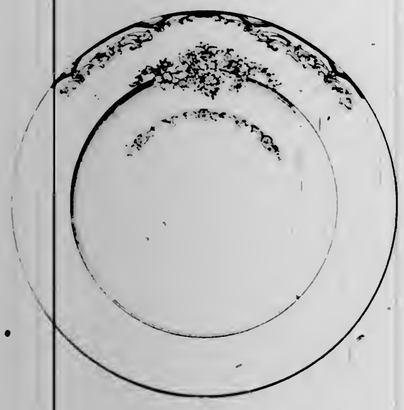
The ornamental design for a plate or similar article, as shown and described.

95,654
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,180
Term of patent 7 years



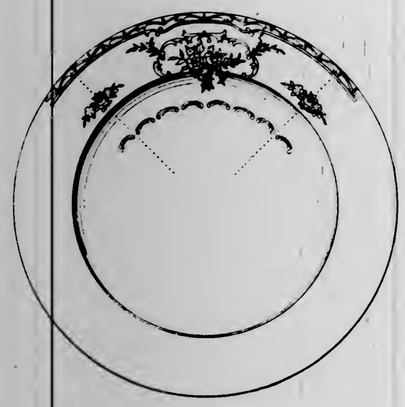
The ornamental design for a plate or similar article, as shown and described.

95,655
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,181
Term of patent 7 years



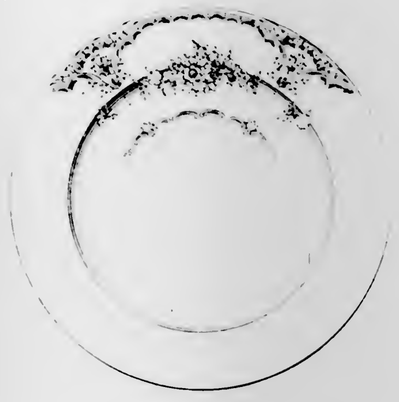
The ornamental design for a plate or similar article, as shown and described.

95,656
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,182
Term of patent 7 years



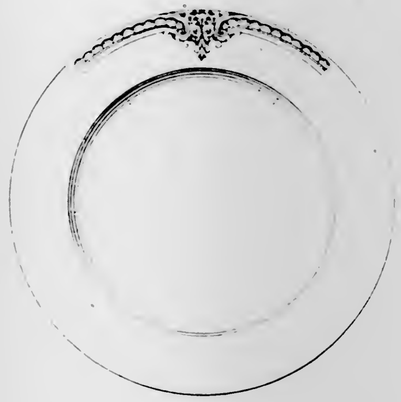
The ornamental design for a plate or similar article, as shown and described.

95,657
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,183
Term of patent 7 years



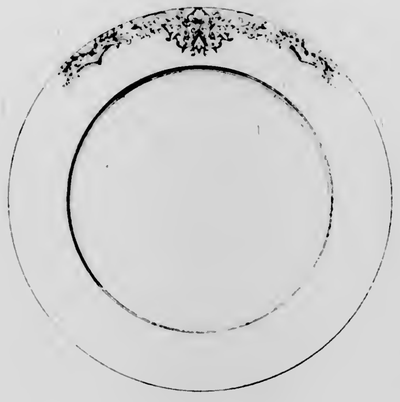
The ornamental design for a plate or similar article, as shown and described.

95,658
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,184
Term of patent 7 years



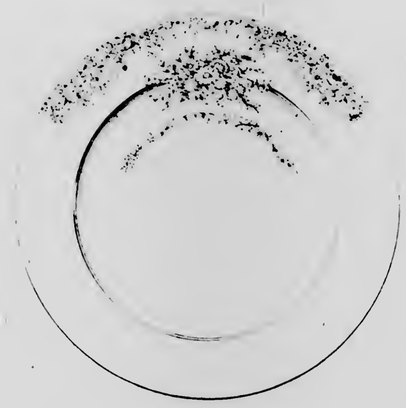
The ornamental design for a plate or similar article, as shown and described.

95,659
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,185
Term of patent 7 years



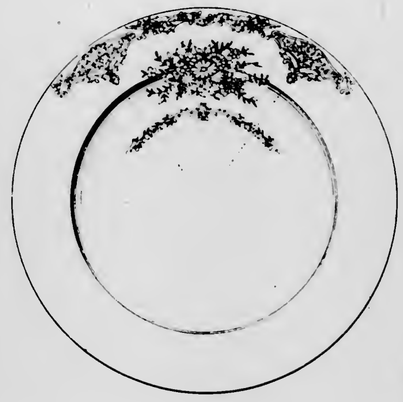
The ornamental design for a plate or similar article, as shown and described.

95,660
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,186
Term of patent 7 years



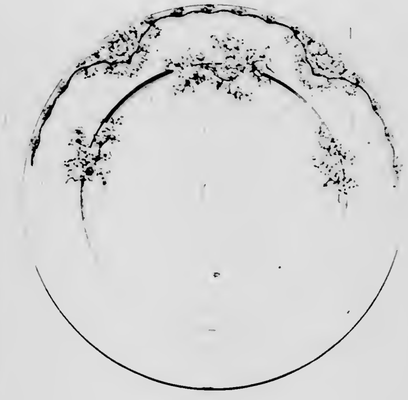
The ornamental design for a plate or similar article, as shown and described.

95,661
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,187
Term of patent 7 years



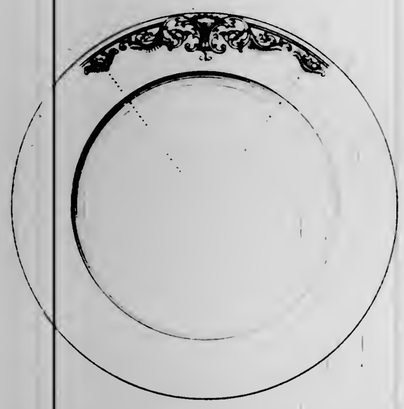
The ornamental design for a plate or similar article, as shown and described.

95,662
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,188
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,663
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bama, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,189
Term of patent 7 years



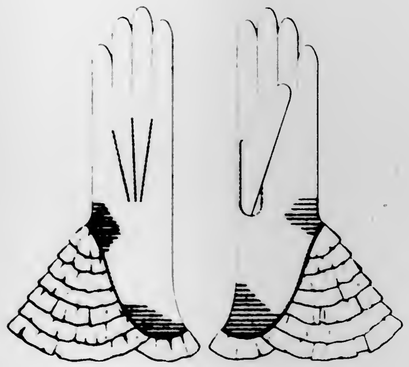
The ornamental design for a plate or similar article, as shown and described.

95,664
DESIGN FOR A SANDAL
George B. Carrier, Hudson, Mass., assignor to Firestone Footwear Company, Boston, Mass., a corporation of Massachusetts
Application March 22, 1935, Serial No. 56,000
Term of patent 14 years



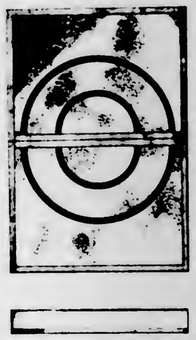
The ornamental design for a sandal as shown.

95,665
DESIGN FOR A GLOVE
Mildred Crandall, Dunkirk, N. Y., assignor to Van Raalte Company, Inc., New York, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 55,544
Term of patent 3½ years



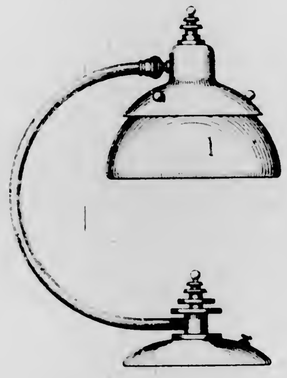
The ornamental design for a glove, as shown and described.

95,666
DESIGN FOR A GAME BOARD
Edith L. Crawford, Bronxville, N. Y.
Application March 23, 1935, Serial No. 56,016
Term of patent 7 years



The ornamental design for a game board as shown.

95,667
DESIGN FOR A LAMP
Bert A. Dickerson, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application February 20, 1935, Serial No. 55,515
Term of patent 3½ years



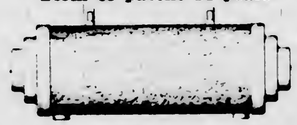
The ornamental design for a lamp, as shown.

95,668
DESIGN FOR A LAMP
Bert A. Dickerson, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application February 20, 1935, Serial No. 55,516
Term of patent 3½ years



The ornamental design for a lamp as shown.

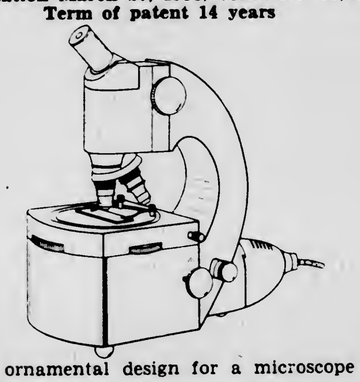
95,669
DESIGN FOR A TRANSFORMER CASING
Ralph A. Dicksen, Chicago, Ill., assignor to Sola Electric Co., Chicago, Ill., a corporation of Delaware
Application October 3, 1934, Serial No. 53,467
Term of patent 14 years





The ornamental design for a transformer casing substantially as shown.

95,670
DESIGN FOR A MICROSCOPE
Gustave Fassin, Irondequoit, N. Y.
Application March 27, 1935, Serial No. 56,081
Term of patent 14 years



The ornamental design for a microscope as shown.

95,671
DESIGN FOR A CHAISE LONGUE
Paul T. Frankl, Los Angeles, Calif., assignor to Frank Debski, New York, N. Y.
Application February 20, 1935, Serial No. 55,520
Term of patent 3½ years



The ornamental design for a chaise longue, as shown and described.

95,672
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio, assignor to United Distillers (of America) Ltd., Baltimore, Md., a corporation of Maryland
Application March 1, 1935, Serial No. 55,671
Term of patent 14 years



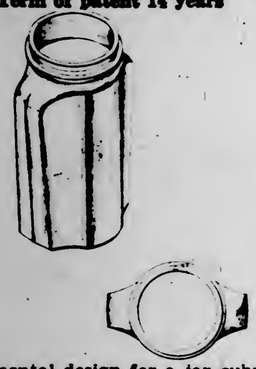
The ornamental design for a bottle substantially as shown.

95,673
DESIGN FOR A SIPHON HEAD
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1935, Serial No. 55,806
Term of patent 14 years



The ornamental design for a siphon head substantially as shown.

95,674
DESIGN FOR A JAR
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 31, 1934, Serial No. 53,828
Term of patent 14 years



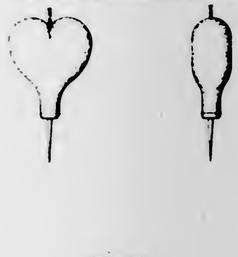
The ornamental design for a jar substantially as shown.

95,675
DESIGN FOR A BOTTLE CLOSURE
Edwin W. Fuerst, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio
Application March 13, 1935, Serial No. 55,873
Term of patent 14 years



The ornamental design for a bottle closure substantially as shown.

95,676
DESIGN FOR A CANDLE
Maria H. Gastel, Los Angeles, Calif.
Application March 27, 1935, Serial No. 56,086
Term of patent 14 years



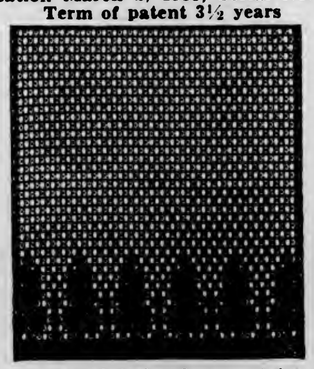
The ornamental design for a candle substantially as shown.

95,677
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application January 7, 1935, Serial No. 54,769
Term of patent 3½ years



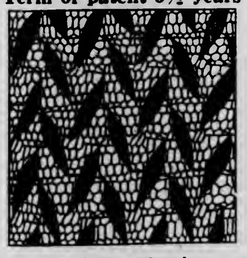
The ornamental design for a blouse, as shown.

95,678
DESIGN FOR A CURTAIN
Frederick Gentner, Philadelphia, Pa., assignor to The North American Lace Company, Inc., Philadelphia, Pa.
Application March 2, 1935, Serial No. 55,694
Term of patent 3½ years



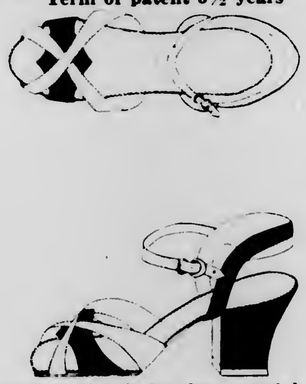
The ornamental design for a curtain as shown.

95,679
DESIGN FOR LACE
Jacob M. Golding, Long Island, N. Y.
Application March 27, 1935, Serial No. 56,067
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

95,680
DESIGN FOR A SANDAL
Leo Goodkind, Woodmere, N. Y.
Application April 1, 1935, Serial No. 56,141
Term of patent 3½ years



The ornamental design for a sandal as shown.

95,681
DESIGN FOR A CLIP FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application February 21, 1935, Serial No. 55,530
Term of patent 7 years



The ornamental design for a clip for a fountain pen or similar article, as shown.

95,682
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Herbert H. Harris, New York, N. Y.
Application February 21, 1935, Serial No. 55,545
Term of patent 14 years



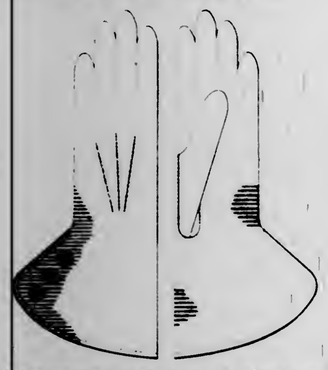
The ornamental design for a bottle or similar article, substantially as shown.

95,683
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application April 6, 1935, Serial No. 56,245
Term of patent 7 years



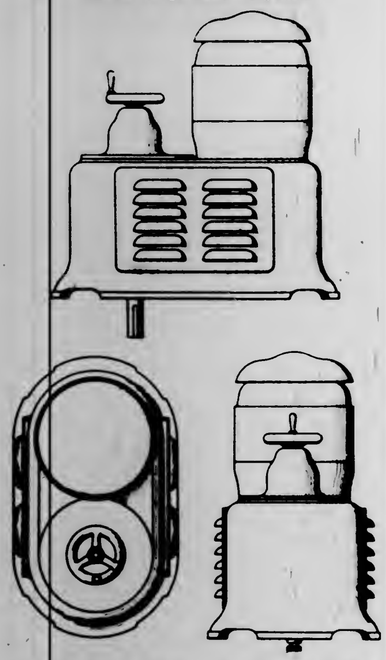
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

95,684
DESIGN FOR A GLOVE
Irving E. Hesnberg, New York, N. Y., assignor to Van Raalte Company, Inc., New York, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 55,543
Term of patent 3½ years



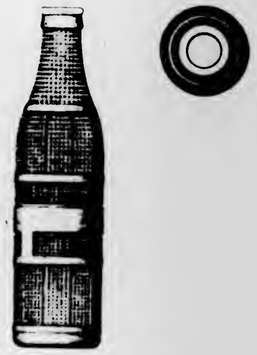
The ornamental design for a glove, as shown and described.

95,685
DESIGN FOR AN ELECTRICALLY DRIVEN VARIABLE SPEED POWER UNIT
Don Heyer, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a corporation of California
Application December 26, 1934, Serial No. 54,607
Term of patent 14 years



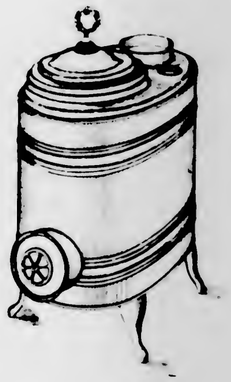
The ornamental design for an electrically driven variable speed power unit substantially as shown.

95,686
DESIGN FOR A BOTTLE
Clayton J. Howel, Chicago, Ill.
Application February 27, 1935, Serial No. 55,639
Term of patent 14 years



The ornamental design for a bottle as shown.

95,687
DESIGN FOR A HEATING STOVE
Martin L. Hunker, Dover, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a corporation of Ohio
Application September 6, 1934, Serial No. 53,211
Term of patent 14 years



The ornamental design for a heating stove, as shown and described.

95,688
DESIGN FOR A SHOE
Albert Hurtig, St. Louis, Mo., assignor to The G. Edwin Smith Shoe Company, Columbus, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 56,103
Term of patent 3½ years



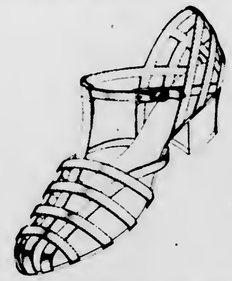
The ornamental design for a shoe, substantially as shown.

95,689
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Bernard N. Kane, East Liverpool, Ohio, assignor to The Decal Products Company, East Liverpool, Ohio, a corporation of Ohio
Application March 15, 1935, Serial No. 55,886
Term of patent 3½ years



The ornamental design for a plate or similar article, as shown.

95,690
DESIGN FOR A SANDAL
Harry Koomruian, New York, N. Y.
Application January 10, 1935, Serial No. 54,789
Term of patent 7 years



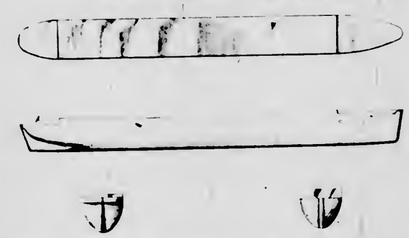
The ornamental design for a sandal substantially as shown and described.

95,691
DESIGN FOR A SHOE
Charles Kosta, New York, N. Y.
Application March 11, 1935, Serial No. 55,815
Term of patent 7 years



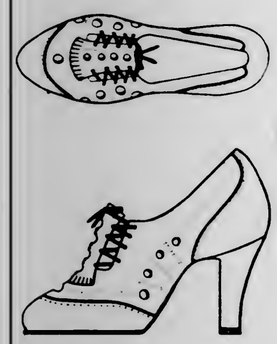
The ornamental design for a shoe as shown.

95,692
DESIGN FOR A TOY MODEL SHIP'S HULL
William Kramer, Richmond Hill, N. Y.
Application January 10, 1935, Serial No. 54,784
Term of patent 14 years



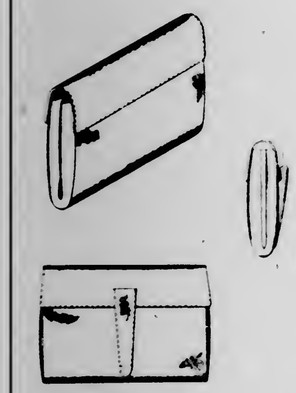
The ornamental design for a toy model ship's hull, as shown.

95,693
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application April 4, 1935, Serial No. 56,202
Term of patent 3½ years



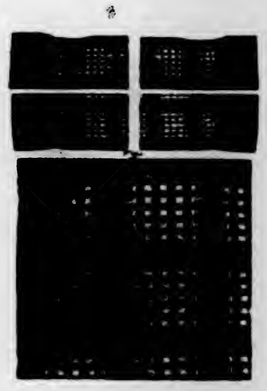
The ornamental design for a shoe, substantially as shown.

95,694
DESIGN FOR A POCKETBOOK
Florence N. Lewis, New York, N. Y.
Application January 30, 1935, Serial No. 55,137
Term of patent 7 years



The ornamental design for a pocketbook, as shown.

95,695
DESIGN FOR A CURTAIN
Samuel Libou, New York, N. Y., assignor to Eastern Trimming & Cord Co., Inc., New York, N. Y., a corporation of New York
Application March 5, 1935, Serial No. 55,747
Term of patent 3½ years



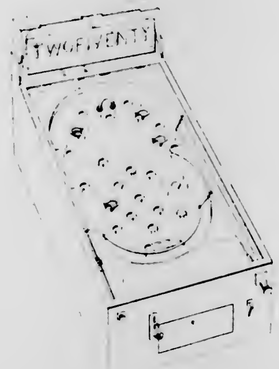
The ornamental design for a curtain as shown and described.

95,696
DESIGN FOR A CURTAIN
Samuel Libou, New York, N. Y., assignor to Eastern Trimming & Cord Co., Inc., New York, N. Y., a corporation of New York
Application March 6, 1935, Serial No. 55,755
Term of patent 3½ years



The ornamental design for a curtain as shown and described.

95,697
DESIGN FOR AN AMUSEMENT GAME CABINET
Fred C. McClellan, Chicago, Ill.
Application March 20, 1935, Serial No. 55,967
Term of patent 3½ years



The ornamental design for an amusement game cabinet as shown.

95,698
DESIGN FOR AN ADJUSTABLE MIRROR FRAME AND SUPPORT THEREFOR
Vincent D. Milliken, St. Joseph, Mich.
Application September 27, 1934, Serial No. 53,409
Term of patent 7 years



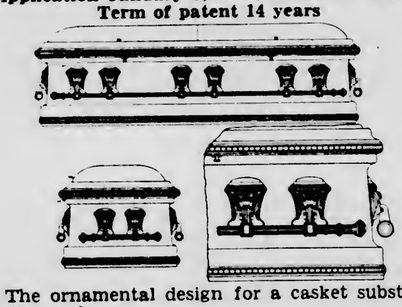
The ornamental design for an adjustable mirror frame and support therefor, substantially as shown.

95,699
DESIGN FOR A SHOE
Leslie A. Morrill, Bradford, Mass.
Application March 14, 1935, Serial No. 55,879
Term of patent 3½ years



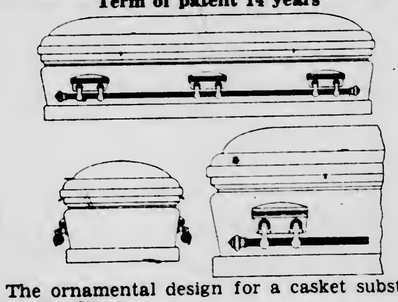
The ornamental design for a shoe, substantially as shown and described.

95,700
DESIGN FOR A CASKET
Harry A. Neff, Bellaire, Ohio, assignor to The Belmont Casket Mfg. Company, Columbus, Ohio, a corporation of Ohio
Application January 3, 1935, Serial No. 54,710
Term of patent 14 years



The ornamental design for a casket substantially as shown.

95,701
DESIGN FOR A CASKET
Harry A. Neff, Bellaire, Ohio, assignor for The Belmont Casket Mfg. Company, Columbus, Ohio, a corporation of Ohio
Application January 3, 1935, Serial No. 54,711
Term of patent 14 years



The ornamental design for a casket substantially as shown.

95,702
DESIGN FOR A FLOOR MAT
Enoch E. Paine and Frank D. Adams, Cleveland Heights, Ohio, assignors to The Paine & Williams Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1935, Serial No. 55,748
Term of patent 7 years



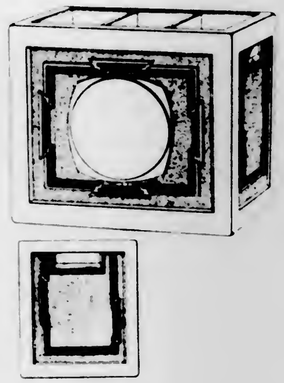
The ornamental design for a floor mat, substantially as shown.

95,703
DESIGN FOR A BOTTLE
Robert F. Richardson, Reidsville, N. C., assignor to Nu-Shine Company, Rockingham, N. C.
Application February 28, 1935, Serial No. 55,662
Term of patent 14 years



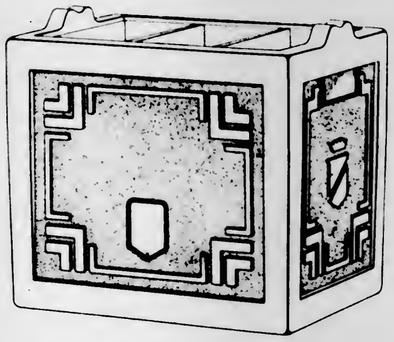
The ornamental design for a bottle as shown.

95,704
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,973
Term of patent 7 years



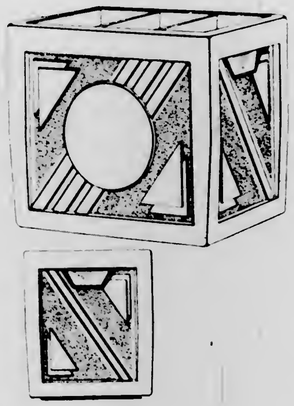
The ornamental design for a storage battery case, as shown and described.

95,705
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,975
Term of patent 7 years



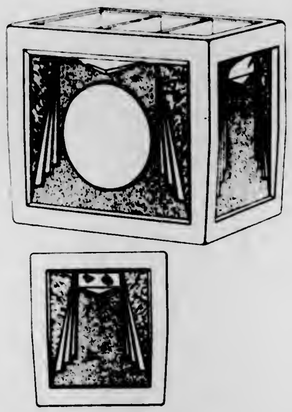
The ornamental design for a storage battery case, as shown and described.

95,706
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,977
Term of patent 7 years



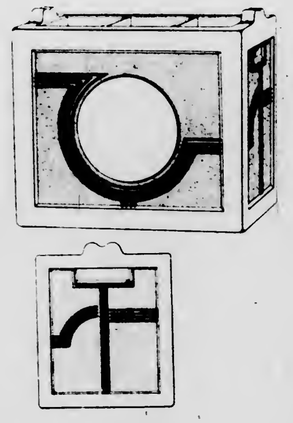
The ornamental design for a storage battery case, as shown and described.

95,707
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 55,978
Term of patent 7 years



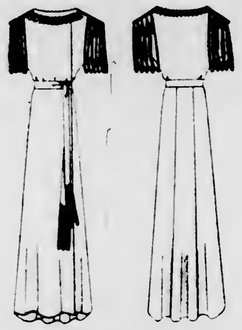
The ornamental design for a storage battery case, as shown and described.

95,708
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 55,987
Term of patent 7 years



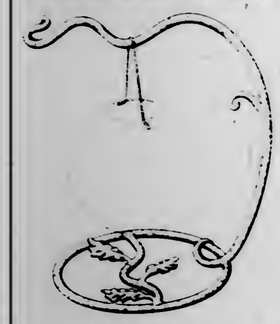
The ornamental design for a storage battery case, as shown and described.

95,709
DESIGN FOR A NEGLIGEE
Pauline Schnittman, New York, N. Y.
Application April 4, 1935, Serial No. 56,203
Term of patent 3½ years



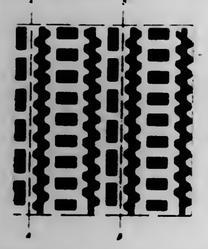
The ornamental design for a negligee, substantially as shown.

95,710
DESIGN FOR A COMBINED FLOWER STAND AND HOLDER
Irving G. Scott and Maud C. Fox, New York, N. Y.
Application October 12, 1934, Serial No. 53,604
Term of patent 3½ years



The ornamental design for a combined flower stand and holder, as shown.

95,711
DESIGN FOR LEATHER
Samuel Shapiro, New York, N. Y.
Application March 18, 1935, Serial No. 55,917
Term of patent 3½ years



The ornamental design for leather as shown and described.

95,712
DESIGN FOR A LAUNDRY BAG OR SIMILAR ARTICLE
Irene F. Silverstein, St. Albans, N. Y.
Application March 12, 1935, Serial No. 55,854
Term of patent 3½ years



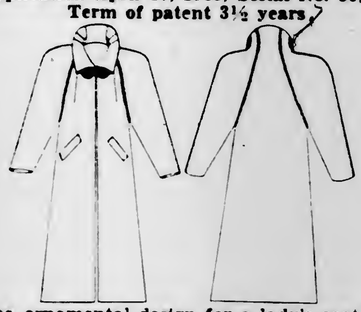
The ornamental design for a laundry bag, or similar article, as shown.

95,713
DESIGN FOR A WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 28, 1934, Serial No. 51,948
Term of patent 14 years



The ornamental design for a wheel substantially as shown.

95,714
DESIGN FOR A LADY'S COAT
Abraham Sisselman, New York, N. Y.
Application April 17, 1935, Serial No. 56,423
Term of patent 3½ years



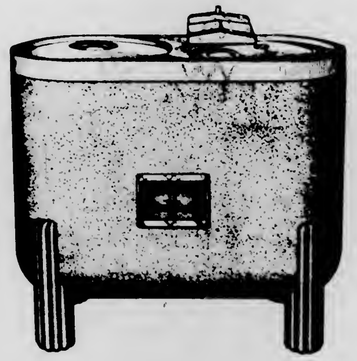
The ornamental design for a lady's coat, substantially as shown.

95,715
DESIGN FOR A COMBINED WRINGER AND CASING FOR DOMESTIC WASHING MACHINES
Walter D. Teague, Forest Hills, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application September 18, 1934, Serial No. 53,318
Term of patent 14 years



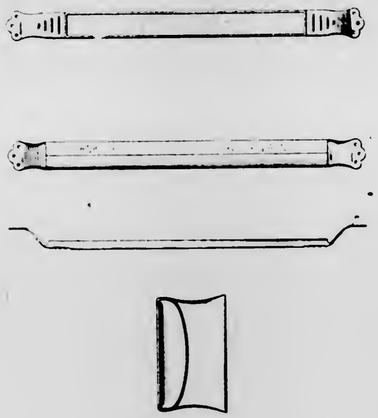
The ornamental design for a combined wringer and casing for domestic washing machines, as shown and described.

95,716
DESIGN FOR A CASING FOR A COMBINED WASHING MACHINE AND DRIER
Walter D. Teague, Forest Hills, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application September 18, 1934, Serial No. 53,319
Term of patent 14 years



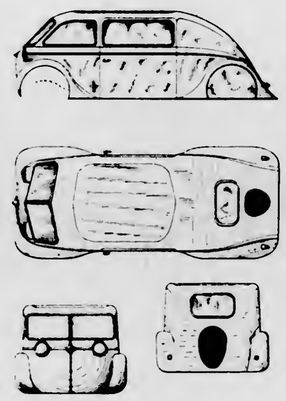
The ornamental design for a casing for a combined washing machine and drier, as shown and described.

95,717
DESIGN FOR A PUSH GUARD
Fred L. Vernon, Newton, Iowa
Application November 19, 1934, Serial No. 54,080
Term of patent 7 years



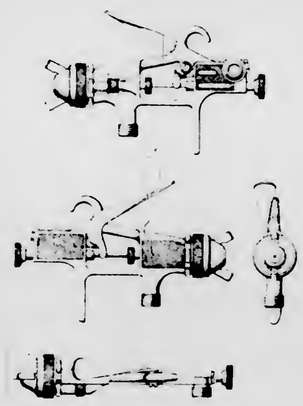
The ornamental design for a push guard, substantially as shown.

95,718
DESIGN FOR AN AUTOMOBILE BODY
Alexander E. Voigt, Philadelphia, Pa.
Application January 17, 1935, Serial No. 54,896
Term of patent 14 years



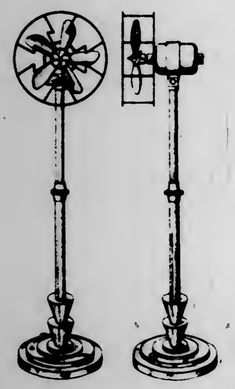
The ornamental design for an automobile body as shown.

95,719
DESIGN FOR A SPRAY GUN
Fritz Wahlin, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1935, Serial No. 55,926
Term of patent 14 years



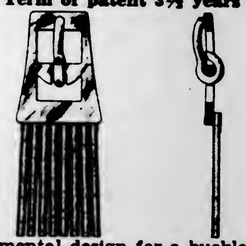
The ornamental design for a spray gun, substantially as shown.

85,720
DESIGN FOR AN AIR CIRCULATOR
Max Weber, Chicago, Ill.
Application September 20, 1934, Serial No. 53,335
Term of patent 14 years



The ornamental design for an air circulator substantially as shown.

85,721
DESIGN FOR A BUCKLE
Herbert G. Whitehouse, Newark, N. J.
Application February 27, 1935, Serial No. 55,640
Term of patent 3½ years



The ornamental design for a buckle as shown, and described.

85,722
DESIGN FOR A DRESS
Irving A. Winter, Woodmere, N. Y.
Application April 26, 1935, Serial No. 56,582
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

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Patents Nos. 2,002,485 to 2,003,278

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May 28, 1935

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Label renewed	1			
Labels	78	No.	45,616 to No.	45,693, inclusive.
Prints	29	No.	15,153 to No.	15,181, inclusive.
Reissues	9	No.	19,587 to No.	19,595, inclusive.
Plant Patents	2	No.	125 to No.	126, inclusive.
Patents	794	No.	2,002,485 to No.	2,003,278, inclusive.
Designs	64	No.	85,723 to No.	85,786, inclusive.
Total	1,157			

Disclaimers

1,809,720.—*Norton A. Mears and Dibrell P. Hynes*, Chicago, Ill. HOOD LATCH. Patent dated June 9, 1931. Disclaimer filed April 29, 1935, by the assignee, *Chicago Forging & Manufacturing Co.*

Hereby enters its disclaimer to claims 5, 6 and 7 of the said patent, No. 1,809,720, because the said claims are not by their language limited to such coaction between the members designated the cam members and the cranks at the ends of the rock shaft as to cause the cranks to engage said cam members at all times in all normal adjustments at a point intermediate the extension of the cam portions of said cam members.

1,816,161. *Joseph Kaye Wood*, Mount Vernon, N. Y. SUPPORT. Patent dated July 28, 1931. Disclaimer filed May 6, 1935, by the assignee, *General Spring Corporation*.

Hereby enters this disclaimer to that part of the specification printed on page 1, lines 82 and 83, which is in the following words, to wit: "Figure 5 is a diagrammatic view illustrating an additional compensating device"; and page 2, lines 47 to 71, of said patent which is in the following words, to wit: "as for example by means of a device as shown in Figure 5 in which the springs 21 and 22 connected to the lever 19 at one end and to the cross bar 13 at the other, act upon the accurately designed cam 23 connected to the lever 19. In the embodiment illustrated in Figure 5 the cam 23 is made with a central circumferential groove and the springs 21 made of music wire or other wear-resisting spring wire, have straight portions connected with the spiral portions so that the straight portions ride in the groove of the cam 23. The resistance of the springs 21, 22 to separation by the cam 23, plus the pull of the springs on the lever, serves to compensate for the inaccuracies of the device without such compensator. The elliptical form of cam shown in Figure 5 is sufficiently accurate for practical purposes. The exact contour of the cam, however, if mathematically accurate, would vary slightly from the elliptical and will vary slightly according to the general design of the main features of the support", and to claim 8 of said specification which is in the following words, to wit: "A yieldable support as defined in claim 2 which includes a supplementary spring and a cam moved by the lever and shaped so as to condition the action of the spring upon said lever to compensate for residual variations in the load carrying force exerted by the part of the apparatus defined in claim 2"; and to that part of the drawings designated as Figure 5.

1,864,224.—*Wesley B. Wells*, Wilkinsburg, Pa. LIGHT-SIGNAL. Patent dated June 21, 1932. Disclaimer filed May 7, 1935, by the assignee, *The Union Switch & Signal Company*.

Hereby disclaims the subject matter of claim 1.

1,885,433.—*Ernest A. Hall*, Toledo, Ohio. GAS CONTROLLING MEANS. Patent dated November 1, 1932. Disclaimer filed April 29, 1935, by the assignee, *The Columbia Burner Company*.

Hereby enters this disclaimer to claims 13 and 14 of said patent, reading, to wit:

"13. In combination, a gas burner, electrical means normally responsive to temperature conditions for automatically controlling the supply of gas to the burner, manually operable means for controlling the gas supply when the electric current fails, and means for automatically rendering said manual control ineffective as soon as the electric current is restored.

"14. In combination, a gas burner, electrical means normally responsive to temperature conditions for automatically supplying gas to the burner, said means being effective to cut off the gas whenever the electric current fails, manually operable means for subsequently controlling the supply of gas, and means for automatically rendering said manual control ineffective as soon as the electric current is restored."

Condition of Applications Under Examination at Close of Business May 11, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 34,033; Trade-Mark Division, 1,301. Oldest new case, January 14, 1935; oldest amended, January 11, 1935.)

Room No.		Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1	LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 23	Mar. 21	324
6708	2	HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture	Mar. 2	Mar. 5	430
4093	3	LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 15	Feb. 15	591
7083	4	DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 13	Feb. 25	417
3628	5	MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters' Buckles, Buttons, Etc	Feb. 15	Feb. 28	446
4898 C	6	LEWERS, A. M., Carbon Chemistry	Jan. 21	Feb. 1	907
5725	7	JARBOE, C. G., Optics; Photography	Feb. 11	Feb. 11	773
3889	8	ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 9	Feb. 11	513
4624	9	ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 11	Mar. 11	311
6612	10	HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 2	Mar. 2	347
5057 B	11	BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 15	Jan. 14	592
7701	12	HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 1	Feb. 1	420
5096	13	BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 7	Mar. 7	303
5097	14	BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 12	Feb. 12	455
4897	15	WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 27	Feb. 27	744
5612	16	SPENCER, C. J., Telegraphy; Telephony	Jan. 30	Jan. 30	607
5701	17	ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting	Feb. 18	Feb. 15	612
4612	18	PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 21	Feb. 18	370
4096	19	KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 18	Feb. 15	513
6613	20	GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 20	Mar. 1	266
7733	21	THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 11	Feb. 11	605
5724	22	RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Feb. 5	Feb. 5	627
7892	23	BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 14	Jan. 11	518
5083	24	DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 9	Feb. 15	592
5709	25	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 11	Feb. 11	613
5893	26	ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 12	Mar. 11	277
5708	27	CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 11	Feb. 11	456
4628	28	BENSON, A. R., Internal-Combustion Engines	Feb. 11	Feb. 13	342
5082	29	SHKLARIN, J. B (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 11	Feb. 11	533
4074	30	SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 11	Jan. 11	498
4716	31	DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 11	Feb. 11	821
4086	32	BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 1	Mar. 1	319
6096	33	WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Jan. 31	Jan. 24	601
6625	34	SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 28	Jan. 25	599
3600	35	REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filing and Closing Portable Receptacles.	Feb. 11	Feb. 13	630
7624	36	McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Feb. 14	Feb. 11	411
5886 B	37	WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 14	Jan. 14	578
7510	38	KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Plastic Compositions.	Feb. 16	Feb. 15	391
4872	39	WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 13	Mar 15	283
7880	40	OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 27	Jan. 27	847
6082	41	WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 13	Feb. 13	515
5882	42	CUTTING, H. O., Electric Signaling	Feb. 21	Feb. 23	419
4886 B	43	KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 1	Feb. 1	536
4087 B	44	SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 14	Jan. 12	782
7097	45	HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 1	Mar. 5	314
4613	46	TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Jan. 26	Feb. 9	559
7600	47	BARKER, H., Clutches; Brakes	Mar. 2	Feb. 25	534
5731	48	ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 5	Feb. 4	501
7725	49	SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 14	Feb. 25	481
4701	50	BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 1	Feb. 1	901
5628	51	BACKUS, C. D., Radiant Energy	Feb. 20	Feb. 20	634
7709	52	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housing; Laminated Packing.	Feb. 12	Feb. 16	587
6897	53	PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 7	Mar. 7	367
5874	54	WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 20	Feb. 20	581
6887	55	BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 12	Mar. 15	385
4725	56	PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Jan. 22	Jan. 22	698
3625	57	NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 15	Mar. 7	220
5605	58	DOWELL, E. F., Abrading; Bottles and Jars	Mar. 25	Mar. 25	283
4709	59	RICHARD, V. I., Chemistry; Fertilizers	Feb. 18	Feb. 18	478
5896	60	GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 16	Feb. 16	359
6724	61	PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Jan. 17	Jan. 28	367
3576	62	COCHRAN, W. W., Games; Geometrical Instruments	Feb. 25	Feb. 25	516
4888	63	WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 23	Jan. 23	596
4708	64	NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Combinations; Fuel; Alcohol.	Feb. 11	Feb. 11	808
5424	65	McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Feb. 27	Feb. 27	358
2099 B		TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Apr. 11	Apr. 26	1,232
			May 6	May 7	69
2605		DESIGNS, H. H. KALUPY (Act.)	Apr. 8	Apr. 23	682

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Burk

No. 3,127. Decided January 28, 1935

[74 F.(2d) 547]

1. Patentability—Process of Inhibiting Gum-Formation in Cracked Petroleum Motor-Fuel Distillates.

Certain claims for a process of inhibiting gum-formation in cracked petroleum motor-fuel distillates *Held* unpatentable in view of the prior art.

2. Same—Same—Claims Broader Than Invention.

Certain claims for a process of inhibiting gum-formation in cracked petroleum motor-fuel distillates *Held* unpatentable as broader than applicant's disclosure.

Appeal from the Patent Office. Affirmed.

Lenroot, *J.*, concurring.

Messrs. Fay, Oberlin & Fay and *Mr. Almon S. Nelson* for Burk.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

Graham, *P. J.*:

The appellant filed an application in the United States Patent Office for a patent on an improvement in a process for inhibiting gum-formation in cracked petroleum motor-fuel distillates and the product thereof. Two claims were allowed and seven, numbers 1, 2, 3, 7, 8, 9, and 17 rejected by the Examiner, and, on appeal, the decision was affirmed by the Board of Appeals. Claims 1, 2, 3, and 8 are thought to be typical of the rejected claims, and are here quoted:

1. A process of inhibiting gum-formation in cracked petroleum motor-fuel distillates, which comprises subjecting the cracked distillate to the action of a normally liquid amine soluble in the distillate, and one of the following: a normally liquid aliphatic mercaptan, a phenol soluble in the distillate, in total amount not substantially in excess of 1 per cent.

2. A process of inhibiting gum-formation in cracked petroleum motor-fuel distillates, which comprises subjecting the cracked distillate to the action of a normally liquid amine soluble in the distillate, and a normally liquid aliphatic mercaptan containing not less than 5 carbon atoms, in total amount not substantially in excess of 1 per cent.

3. A process of inhibiting gum-formation in cracked petroleum motor-fuel distillates, which comprises subjecting the cracked distillate to the action of a normally liquid amine soluble in the distillate, and a single ring phenol, in total amount not substantially in excess of 1 per cent.

8. A cracked petroleum motor fuel distillate containing the reaction products of ingredients thereof and a normally liquid amine soluble in the distillate, and a normally liquid aliphatic mercaptan containing not less than 5 carbon atoms, in total amount not substantially in excess of 1 per cent.

The Examiner originally rejected all of the applicant's claims. However, after the final rejection, an affidavit was presented by the applicant, as a result of which the Examiner allowed claims 6 and 12, and as to which he said:

• • • It is noted that an affidavit has been submitted since the final rejection was entered, which tends to show that a certain amine used with a phenol would give less gum than either of these inhibitors used severally. In view of this, the Examiner would be inclined to allow specific claims.

As to the remainder of the claims, the Examiner stated:

The action of gum inhibitors is catalytic, it being generally accepted in the art that there is no prediction as to operativeness of large classes of compounds. This is broadly substantiated by Mead and Somerville. It is further pointed out that applicant's disclosure is very meager and insufficient even under the doctrine of In re Ellis, 167 O. G. 981, or *Chipman* v. *Reade*, 16 U. S. Pat. Q. 2, to support such broad classes of compounds as amines, or phenols. This is pointed out specifically in paper No. 6. The term "normally liquid amine" may be interpreted upon practically all amines, since amines are usually liquid normally. The term "amines" includes many thousands of compounds, many of which would be of doubtful operativeness when used alone, such doubt assuming large proportions when the operativeness of the amine is considered in combination with other inhibitors. When the final test of unusual result produced in the combination applied to all substances within the scope of the broad claims is considered, the holding of undue breadth appears to be proper.

The Board of Appeals agreed with the conclusion of the Examiner, stating, also:

• • • While applicant's specification mentions two particular amines either of which may be used, this disclosure is regarded as not warranting the broad definition of amine recited in the appealed claims.

References were cited by both tribunals below, as follows: Brooks, 1,748,507, February 25, 1930; Somerville (British), 289,347, April 27, 1928; Mead, Journal of Industrial and Engineering Chemistry, Vol. 19, pp. 1240–1245 (1927).

The affidavit referred to by the Examiner is that of John P. Smoots, an expert in chemical engineering, which affidavit does not appear in the printed record but was brought here in answer to a writ of certiorari. Affiant states, in general, that he made tests, in an approved method, of gum inhibitors, namely, triamylamine, cresol, and hydroquinone, separately used with cracked petroleum distillates, and gives his results, showing gum inhibition in each case. He then combined triamylamine and cresol, and also triamylamine and hydroquinone, and used these combinations, separately, as inhibitors. The result of such combinations was a much greater inhibition than that which followed the use of either constituent thereof, separately. The affiant states that he is unable to explain such phenomena, but gives simply the result of the use of such combinations.

It was upon the strength of this affidavit that the Examiner allowed claims 6 and 12, which are as follows:

6. A process of inhibiting gum-formation in cracked petroleum distillates, which comprises subjecting the cracked distillate to the action of di-normal butylamine and normal amyl mercaptan, in total amount not much in excess of 1 per cent.

12. A cracked petroleum distillate containing the reaction products of ingredients thereof and di-normal butylamine and normal amyl mercaptan, the total amount of the amine and mercaptan being not much in excess of 1 per cent.

The reference Brooks is a patent for a process of producing stable hydrocarbon oils which will not become discolored or sedimented. The specification of this patent recites that various amines may be used for such purpose. We have held, in the recent case *In re Burk*, 22 C. C. P. A. (Patents) ——, 73 F.(2d) 497, 450 O. G. 939, that this patent may be treated as anticipatory of a gum-inhibiting process, and further comment thereon is deemed unnecessary here.

The British patent to Somerville is for a process of inhibiting gum-formation in combustible organic

liquids, including "cracked petrol," used for motor fuel. Somerville also has claims covering the product. The patentee accomplishes his object by adding certain substances to the distillate. He names many of these substances in his specification as examples, such as:

• • • aromatic hydroxy dihydroxy and trihydroxy compounds (e. g. phenols and cresols), amino compounds, amino phenols, and nitro aromatic compounds or combinations of these. • • •

Again he states:

• • • Phenol itself and other phenols and amines may be employed.

• • • • • • • •

We have found, on the basis of this test, that the tendency to resinification is increased by certain substances e. g. acids, aldehydes and mercaptans, decreased by others, e. g. phenols, amino-phenols, nitrobenzene and amines while some substances such as water, alcohols, ethers, thiophene and carbon bisulphide, appear to have little or no effect.

• • • • • • • •

The inhibitor which may consist of a single substance or a plurality of substances must have the following characteristic properties.

• • • • • • • •

As examples of the phenolic bodies which may be employed as inhibitors we may mention aromatic hydroxy, dihydroxy, and trihydroxy compounds including cresols and amino phenols. Combinations of two or more inhibitors may be employed. • • •

[1] This record seems to fairly show that the action of the various substances used by appellant is catalytic, and that this was known to the art when appellant entered the field. The reference Mead is a discussion of certain catalytic agents to prevent deterioration of mineral oils, particularly adapted for use in commercial transformers. In making these tests, many amines, phenols, and other substances were used. The experimenter concluded:

• • • It seems to be quite impossible to draw any generalized conclusions from the results, as to the types of compounds which act as antioxidants, since for every compound which acts as a negative catalyst one of the same type can readily be discovered which acts as a positive catalyst. • • •

From this last statement, the Board here concludes that the fact that one amine or one phenol, or both, may act as gum-inhibitors, does not establish that the whole class of such substances will do so.

Whether this Mead reference may be said to be applicable or not, it seems quite certain to us that the Brooks and Somerville references fully anticipate such claims here as call for the use of amines, or phenols, or a combination of both, as gum-inhibitors. A reading of the excerpts from Somerville's specification heretofore quoted shows a plain disclosure of this.

This construction is sought to be avoided by the appellant by calling attention to the language of his claims, "a *normally liquid amine soluble in the distillate.*" (Italics are ours.) However, the Examiner states, and appellant does not deny, that all amines "are usually liquid normally." In addition, Somerville discloses as to his inhibitor:

6. It must be capable of dissolving or uniformly dispersing in the fuel.

We conclude, therefore, that claims 3, 9, and 17, which are based upon the use of a combination of an amine with a phenol or cresol, are anticipated by the said references.

The second class of claims, consisting of claims 1 and 7, is based upon a combination of a normally liquid amine and either a normally liquid aliphatic mercaptan or a phenol. Here the claim must be read broadly. *In re Horton*, 19 C. C. P. A. (Patents) 871, 875, 54 F.(2d) 961, 418 O. G. 273. If it covers a combination of an amine and a phenol, it is met by Brooks and Somerville, as we have already stated. As they are capable of this interpretation, the rejection of these claims, also, must be sustained.

[2] This leaves claims 2 and 8 for consideration, and these present more difficulties. They are based upon a combination of "a normally liquid amine" and "a normally liquid aliphatic mercaptan, containing not less than 5 carbon atoms."

It must be conceded that there is no teaching of the prior art of any such combination. None of the references disclose the use of a mercaptan as a gum-inhibitor. Only once is a mercaptan named in the cited art, and that is in Somerville, where the patentee, in a portion already hereinbefore quoted, states that the tendency to resinification is *increased* by the use of mercaptans. Thus, we observe that appellant suggests the use as an inhibitor of a substance which, in the prior art, was thought to be a gum-increaser. Instead of following the teaching of the art, appellant was proceeding contrary to it.

In his specification, the appellant states:

Quite a range of mercaptans may be availed of, but ordinarily the higher boiling mercaptans are desired, for example normal amyl mercaptan, iso amyl mercaptan, heptyl mercaptan, etc.

As to the amine element, which may be used, the appellant's specification states:

As amine component, an alkyl amine is preferred, and particularly a higher boiling amine, for example di normal propylamine, di-normal butylamine, etc.

The appellant has in these claims suggested for the first time, so far as the record now before us discloses, that a combination of an amine and a mercaptan will inhibit gum-formation in cracked petroleum motor fuel distillates. In this respect, the inventive idea deals not so much with specific amines and mercaptans as it does with the discovery that a combination of species taken from these genera will produce a gum-inhibiting effect.

However, here again we must consider the broad character of these rejected claims 2 and 8, as to the amine element of the combination. A distinction between patent applications involving chemical compounds, and those involving other products, has been recognized by the authorities. Our recent decision in *In re Walker*, 21 C. C. P. A. (Patents) 1121, 1127, 70 F.(2d) 1008, 447 O. G. 761, is a case in point. There we said:

It is true, as argued by counsel, that appellant is entitled to claim not only the substances enumerated by him in his specification, but also their equivalents. However, in cases of this character, involving chemicals and chemical compounds, many of which of course differ radically in their properties, it must appear in the specification, either by the enumeration of a sufficient number of the members of a group or by other appropriate language, that "the chemicals or chemical combinations included therein were generally capable of accomplishing the desired result." See *In re Ellis*, 37 App. D. C. 203; *In re Dosselman*, 37 App. D. C. 211; *In re Langmuir*, 20 C. C. P. A. (Patents) 733, 62 F.(2d) 93.

The applicant here does not allege in his specification, or show by the affidavit, that amines, normally liquid and soluble in the distillate, are "generally capable of accomplishing the desired result." The Examiner states that all amines are usually liquid normally, and that there are "many thousands of compounds" included within the term "amines," "many of which would be of doubtful operativeness when used alone." There is no showing to the contrary. In addition, the reference Mead, while dealing with antioxidants in transformer oils, seems plainly to indicate and teach that some amines will act as catalytic agents and some will not, and that only experimental work will establish the efficiency of any particular substance.

Therefore, claims 2 and 8, also, must be held to be broader than appellant's disclosure, and to have been properly rejected.

The decision of the Board of Appeals is affirmed.

Affirmed.

LENROOT, *J.*, concurs in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE BECKER

No. 3,330. Decided January 7, 1935

1. PATENTABILITY—RES ADJUDICATA.

Where, in applicant's earlier application, the Commissioner of Patents had held claims of substantially the same scope as appealed claims 1, 2, and 5 unpatentable, *Held* that the question of patentability of those claims is *res adjudicata*.

2. SAME—EDIBLE CONTAINER FOR ICE CREAM.

Claims 3 and 4 for an edible container for ice cream *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Hammond & Littell for Becker.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 to 5, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in confection, comprising an edible container composed of chocolate, having a non-edible handle support, and adapted to temporarily retain ice cream or other semiplastic food while the same is being eaten.

The alleged invention is sufficiently described in the involved claims, which, due to the issues here presented, we deem it necessary to set forth. They read:

1. An edible dispensing container of the described character adapted to temporarily retain a semi-plastic food while the same is being eaten, comprising a confection open topped container made of chocolate mounted and supported upon a non-edible non-softening holder in stick form embedded in the base thereof, the material of the container being reinforced by an increased thickness where the holder is embedded in the base of the container.

2. A confection and ice cream holder comprising a relatively hard bowl or cup like confection portion made of chocolate having a tapering base, said base being of relatively greater thickness than the body of the confection and rigid and non-edible stick portion secured at one extreme end in said thickened base portion in the process of making.

3. An edible dispensing container for dispensing a semi-plastic food while the same is being consumed, comprising a dense chocolate open topped container having an enlarged reinforcing base portion and a non-softening, non-edible handle in stick form embedded therein, said chocolate being substantially non-porous, and provided with a glossy surface thereon.

4. An edible container for ice cream of the class described comprising a pressure molded chocolate cup of very great density, having a glossy, non-porous surface, and an enlarged reinforced base portion adapted to receive a non-edible handle, the confection adapted to support and be eaten with the ice cream.

5. An edible dispensing container of the kind described to receive food stuffs to be eaten therein, said container being open at the top and having a recessed interior extending from the top to the bottom to form a space for the food stuffs, the bottom of the container being shaped on the exterior to provide a projecting portion of increased thickness and a handle attached to the container by embedment in the thickened part of the bottom.

The references are: Stuckes, 325,711, September 8, 1885; Mugrauer et al., 612,806, October 18, 1898; Hinck, 1,312,325, August 5, 1919; Winnie, 1,367,848, February 8, 1921; Becker, 1,617,564, February 15, 1927.

All of the claims were rejected by the Primary Examiner on two grounds: First, that substantially the same subject-matter had been previously considered and held to be unpatentable by the Primary Examiner, the Examiners in Chief, and the Commissioner of Patents in an earlier application filed by appellant, Serial No. 567,388, on the references cited in the present case, and that, therefore, the doctrine of *res adjudicata* was applicable to the involved claims; second, that the claims were not patentable over the references, and that such advance as appellant had made in the art resided in the method of producing the involved product for which a patent, No. 1,617,564, was issued to appellant on February 15, 1927.

On appeal, the Board of Appeals stated that appellant's involved application is a continuation of an earlier application, Serial No. 567,388, and includes, by reference, appellant's patent No. 1,617,564, an additional disclosure; that the involved claims are narrower than the original claims involved in the earlier application, in that they state that the "edible container" is "made of chocolate"; and that two of them, claims 3 and 4, are further limited by the statement that the "edible containers" are substantially non-porous and have glossy surfaces. The Board further stated, however, that during the consideration by the Commissioner of the claims in the earlier application, appellant requested that if claim 1 there involved was not considered patentable, the Commissioner consider the patentability of that claim as amended by the insertion of the words "made of chocolate" after the word "container" in line 4; that the Commissioner considered the claim, both in its original and amended form, and held that it was unpatentable over the references of record, particularly the patents to Hinck and Winnie, and that as that claim, as amended, is identical with the involved claim 1, the decision of the Commissioner is *res adjudicata* of the issues involved therein; and that as claims 2 and 5 "do not include anything which was not involved in the claims rejected in the earlier application" the Commissioner's decision in that case is *res adjudicata* of the issues raised by those claims.

As appealed claim 3 limits the edible part of the containers defined therein to substantially non-porous chocolate having a glossy surface, and as

claim 4 is limited to chocolate containers which are "pressure molded," the chocolate being of "very great density," and having a "glossy non-porous surface," the Board held that the Commissioner's decision, relative to the claims involved in the earlier application, was not *res adjudicata* of the issues presented by claims 3 and 4. The Board held, however, that those claims were not patentable over the prior art, and affirmed the decision of the Primary Examiner. Concluding its decision, the Board said:

> It is common to press chocolate bars so as to form a hard, dense, glossy surface and in making a cup out of chocolate for holding ice cream it would be obvious that, in order to obtain sufficient strength and freedom from porosity, it should be pressed in molds like the bars above referred to.

It appears from the record that claim 1 in appellant's earlier application, as amended by the addition of the words "made of chocolate," as requested by appellant, is identical, except as to an immaterial change in punctuation and the spelling of the word "semiplastic," with the involved claim 1, and that appealed claims 2 and 5 are substantially the same as claim 1, as amended, of the earlier application.

[1] As no appeal was taken from the decision of the Commissioner of Patents in the earlier application, his decision, although counsel for appellant contends to the contrary, is *res adjudicata* as to the issues presented in this appeal by claims 1, 2, and 5. *In re Barratt*, 14 App. D. C. 255; *In re Edison*, 30 App. D. C. 321; *Williams Oil-O-Matic Heating Corporation* v. *The Butler Co.*, 17 C. C. P. A. (Patents) 934, 39 F.(2d) 693; 34 C. J. Secs. 1154, *et seq.*

The patent to Stuckes relates to a confection capsule composed of sugar, adapted to be filled with liquids, such as fruit juices, etc.; the capsule and its contents being so proportioned as to make a suitable beverage when dissolved in water.

The patent to Mugrauer et al., relates to an edible dish and spoon composed of candy, designed to be eaten with, or subsequent to the eating of, the contents of the dish, such as ice cream. The patentee stated that the dish might be made of two layers, the outer, of some hard impervious candy, while the inner layer might be composed of chocolate "so that in the process of eating ice-cream from such a plate this material may be eaten therewith."

The patent to Hinck relates to a mold for making "candied sticks," and discloses a relatively hard flat piece of candy applied to one end of a stick. Such confections are familiarly known as lollipops, etc.

The patent to Winnie discloses the well-known ice-cream cone, composed, as stated by the patentee, "of a baked or otherwise prepared edible material" having a bowl, and, as an integral part thereof, a tapered or cone-shaped stem of the same material.

The patent to Becker, the appellant in the case at bar, relates to a method and an apparatus for molding the chocolate containers here involved.

It appears that the application on which the patent to Becker was issued was co-pending with the application of which the one here involved is a continuation, and apparently was cited by the Primary Examiner merely for the purpose of disclosing that appellant had received a patent for a method and an apparatus for producing the product defined in the appealed claims, which, according to the views of the Examiner, constituted the advance in the art made by appellant.

In his present application, appellant stated that—

> The molding of chocolate, in which molten chocolate is poured into an open mold is well known. Such chocolate, however, has little mechanical strength, is brittle and porous, having many air bubbles. Attempts have been made to employ such chocolate as a support for ices, ice cream, and the like, but these have failed in their object because the chocolate was only sufficiently strong to form a thin coating thereon, and such coating was additionally undesirable as it required the consumer to hold the confection in his fingers, causing the coating to melt and soil the hands. Coverings, such as paper or foil wrappings or ingredients put in the chocolate were also unsatisfactory. It was also necessary that the chocolate coating be placed on the ice cream at the place of manufacture and necessary to keep the confections very cold to prevent melting.
>
> In my prior patent, No. 1,617,564, issued Feb. 15, 1927, I have described a method and apparatus for molding chocolate confections for receiving ice cream or the like, by which the chocolate is produced in a sufficiently dense, strong condition to act as a suitable support for the ice cream and will withstand strains set up at the point of handle attachment and by which the chocolate has a generally improved strength and does not become brittle or porous.
>
> It is the principal object of this invention *to provide an article of confection produced by the heretofore disclosed process* said article comprising a relatively hard, dense confection of molded chocolate suported [supported] on a non-edible handle and adapted to be filled with a relatively soft confection. (Italics ours.)

It is contended by counsel for appellant that there is no disclosure in any of the references of a container composed of chocolate having a substantially non-porous structure and a glossy surface; that appellant's product is not suggested by the references, and is new, useful, and commercially successful; that it involved something more than a mere substitution of materials; and that it required the use of the inventive faculties to produce it. It is further contended that the Board of Appeals erred in holding that it was a common practice to press "chocolate bars so as to form a hard, dense, glossy surface," and that it would be obvious to press chocolate in molds in order to obtain sufficient strength and freedom from porosity; that the quoted statement by the Board of Appeals is wholly unsupported by the record; and that, as a matter of fact, it was not, prior to appellant's invention for which he received a patent, common to press chocolate bars.

It appears from the affidavit of one Howard S. Baum, dated March 31, 1926, who had been engaged in the manufacture of chocolate confections for 45 years, that the involved product could not be produced by any method known to the art, prior to the method invented by appellant, Patent No. 1,617,564; and that appellant's apparatus and method, as well as the resultant product, were all new to the confectionery art.

It clearly appears from appellant's application that those skilled in the art had attempted to employ chocolate as a container for ices, ice cream, and similar substances, and that they were not successful because chocolate produced by the then known methods was brittle, porous, and had little mechanical strength. Accordingly, the problem confronting appellant, in view of the references of record, was to devise a method and an apparatus by which a non-porous chocolate, having sufficient mechanical strength, might be produced so that it could be used, as were other materials disclosed in the prior art, as a satisfactory temporary container for ices, ice cream, and similar substances.

Appellant solved the problem by devising the method and the apparatus for which a patent was issued to him, No. 1,617,564, on February 15, 1927. It appears from the involved application that the product defined by the involved claims, 3 and 4, was produced by the process covered by that patent. There is no suggestion in the record that the involved product could be produced by any other process. The presumption is, therefore, that it could not be produced in any other way. Accordingly, so far as the patented process and the claimed product are concerned, there is but one invention. *Plummer* v. *Sargent*, 120 U. S. 442–448. This conclusion is entirely consistent with the decision of the Primary Examiner.

The question whether, as held by the Board of Appeals, it is common to press chocolate bars or chocolate in any other form so as "to form a hard, dense, glossy surface" is not of great importance in view of the fact that the Board stated that it did not consider the involved claims patentable over the prior art, and affirmed the decision of the Primary Examiner rejecting claims 3 and 4.

Accordingly, our holding does not amount to a new ground of rejection. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78.

We are of opinion that appellant's contribution to the art consisted in molding chocolate under pressure so as to give it the proper and necessary consistency and strength to make it adaptable as a container for ices, ice cream, and similar substances, for which he has already received a patent.

In view of the foregoing considerations, and the references of record, we conclude that claims 3 and 4 are not patentable over the prior art, and that the Patent Office tribunals reached the right conclusion.

The decision of the Board of Appeals is, therefore, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MARTIN

No. 3,378. Decided January 28, 1935

[74 F.(2d) 951]

1. PATENTABILITY—PUBLIC USE.

"We think that when Congress provided a two-year period within which the inventor should not be held to be barred by public use, but that any public use for more than two years prior to the application should be a bar, it did not intend to imply an exception to the effect that an innocent public use for more than two years prior to the application should not be within the bar of the statute because someone with whom the user has innocently dealt may have been guilty of fraudulent conduct against the inventor."

2. SAME—SAME—PROCESS OF CONCENTRATING ORES.

Claims for a process of concentrating ores *Held* properly refused on the ground that the invention had been in public use for more than two years prior to the filing of applicant's application.

APPEAL from the Patent Office. Affirmed.

Messrs. Semmes and *Semmes*, *Mr. Harry H. Semmes*, *Mr. S. Warwick Keegin*, and *Mr. F. Bruce McMullen* for Martin.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the examiner, rejecting claims 1 to 11, inclusive, of appellant's application upon the ground of public use of the invention for more than two years prior to the filing date of his application, viz., June 14, 1926.

The claims involved in this appeal are all process claims; claim 6 is illustrative of the claims in issue and reads as follows:

> 6. The process of concentrating ores which consists in agitating a suitable pulp of an ore with a mineral-frothing agent and an alkaline xanthate adapted to cooperate with the mineral-frothing agent to produce by the action of both a mineral-bearing froth containing a large proportion of a mineral of the ore, said agitation being so conducted as to form such a froth, and separating the froth.

The record before us consists principally of a purported stipulation of facts. Throughout the stipulation reference is made to certain exhibits, but none of the exhibits accompanied the stipulation. Reference is also made to certain testimony by giving the numbers of the questions, but no transcript of such testimony accompanied the stipulation. Reference is also made to certain patent applications, viz., Serial No. 115,857, and Serial No. 114,857, but such applications do not accompany the stipulation, nor is there any statement in the stipulation with respect to their contents, although counsel making the stipulation evidently were of the opinion that said patent applications were material to the issues raised by appellant upon this appeal.

The stipulation purports to be made under rule 25, paragraph 3 (E) of the rules of this court. We do not commend its form, and it is questionable whether it complies with said rule respecting some of the issues of fact raised by appellant. However, it is sufficient with respect to one question which we hold is decisive of the case.

The invention may be generally stated as comprising the process of using xanthate, an organic compound, as a flotation agent for the concentration of minerals. The invention is admittedly patentable.

It appears from the stipulation that between March, 1914, and February, 1915, appellant, while in the employ of the Utah Copper Company, made the invention here involved; that he entered the employment of the "Minerals Separation American Syndicate (1913) Ltd." on March 6, 1915, and remained in its employ until July 3, 1926; that "Minerals Separation North American Corporation" is the legal successor of said "Minerals Separation American Syndicate (1913) Ltd." (both of said corporations will be hereinafter referred to as "Minerals Separa-

tion"); that on March 6, 1915, appellant entered into an agreement referred to as "Sales Agreement" with Minerals Separation whereby the latter was given an option to purchase for $5,000 all inventions theretofore made by appellant on the treatment of ores, and the subject matter of the application now on appeal was among the inventions referred to in said agreement. It does not directly appear from the stipulation that this option was ever exercised by Minerals Separation, but it may be inferred, we think, from the entire stipulation, that it was exercised and appellant's counsel upon oral argument stated that the stipulation should be so construed as such was the fact. Under said sales agreement, according to the stipulation, appellant was to disclose to Minerals Separation all his inventions relative to ore treatment "for the purpose of enabling patent applications to be drawn for such of said inventions or improvements as the company may desire to protect by patent applications," "such patents to be obtained in the name of said Martin."

The sales agreement is not included in the record, other than certain quotations therefrom.

The sales agreement also provided, according to the stipulation, that appellant should not disclose said inventions or file any applications for patents therefor, except through Minerals Separation. It also provided that if

> * * * in the opinion of the company Martin's reagents, modified oils, or other chemicals useful for flotation concentration of ores can be successfully and profitably manufactured as a *patented flotation oil or reagent*, the company will do their best to form a corporation for such manufacture, or to arrange with a suitable corporation or group for the *manufacture* of the same, and the company will pay Martin twenty-five per cent (25%) of the net profits received by the company therefrom. (Italics ours.)

The stipulation also recites that appellant disclosed the invention here involved on March 19, 1915, and August 15, 1915, to officials of Minerals Separation who were responsible for the filing of applications and the securing of patents for the company; that on October 23, 1923, an application for patent was filed in the name of one Keller and one Lewis, which application was subsequently amended to become a sole application by Keller; that Keller was an employee of Minerals Separation; that his application was filed with the assistance of one Higgins, an official of Minerals Separation, who at the time of such filing was entirely familiar with the disclosure made by appellant in 1915; that said Keller assigned to Minerals Separation the patent thereafter issued on said application, but received nothing therefor other than his regular and normal salary; that a patent was issued to Keller upon his said application on September 22, 1925; that appellant did not learn of Keller's application until June or July, 1925, and did not learn that there had been any public use of his invention until the spring of 1925; that when appellant learned of Keller's application he attempted to get his employer, Minerals Separation, "to rectify the wrong done, but met with no success," and he resigned his position with said company on June 3, 1926; that some time subsequent to the filing of appellant's application here involved, an interference, No. 55,642, was declared between the claims of appellant's application and claims of the Keller patent; that on November 12, 1927, Minerals Separation, Keller's assignee, petitioned for public use proceedings with respect to the invention here involved; that appellant in response to said petition alleged that the public use was instigated by appellant's employer and was a surreptitious and fraudulent public use against him, appellant; that testimony was taken in said public use proceeding and it was established that the process here involved was commercially used by the Anaconda Copper Mining Company more than two years prior to the date on which appellant filed his application, and that such use was a public use; that such use was instigated by Minerals Separation. There is nothing in the stipulation to indicate that anyone connected with the Anaconda company had any knowledge of any fraud upon the part of Minerals Separation, if there was any fraud upon its part, and upon oral argument appellant's counsel conceded that there was no fraudulent use of the invention here involved by the Anaconda company.

The decision of the Law Examiner and the decision of the Board of Appeals upon appeal upon said public use proceeding are contained in the record before us, from which it appears that said interference was dissolved upon the ground that appellant's invention had been in public use more than two years prior to the filing date of appellant's application. Both tribunals declined to consider appellant's contention that Minerals Separation fraudulently instigated such public use by the Anaconda company, said contention being regarded by both of said tribunals of the Patent Office as immaterial, and neither made any finding with respect thereto.

After the dissolution of said interference the examiner, in this *ex parte* proceeding, finally rejected the claims here involved "upon the ground of public use in accordance with the decision in interference No. 55,642."

Upon appeal, this decision of the examiner was affirmed, and from the decision of the Board of Appeals appellant took this appeal to this court.

Appellant's reasons of appeal contain but two assignments, which read as follows:

> (1) The Board of Appeals erred in not considering the fraudulent nature of the use of Martin's invention by his employer, and in not finding that such fraudulent use did not constitute a bar of public use against Martin.
>
> (2) The Board of Appeals erred in not considering the fraudulent nature of the use of Martin's invention by his employer, and in not finding that such fraudulent use did not constitute a bar of public use against Martin—merely because, as stated by the Board of Appeals, "As we are not aware of any decision definitely deciding a surreptitious or fraudulent use to be without the prohibitions of the statute, as it now reads, we feel constrained to follow the strict terms of the statute."

We would observe that none of the tribunals of the Patent Office found any public use by the employer of appellant, Minerals Separation, but they found public use by the Anaconda Copper Mining Company, which company was not the employer of appellant. However, as appellant contends here that the public use by the Anaconda company was fraudulently instigated by Mineral Separation, and that the Board of Appeals refused to consider such question, we will, for the purposes of this appeal, regard the reasons of appeal as sufficient to raise the question of the materiality of such contention under the conceded facts in the case at bar.

Section 4886, Revised Statutes, 35 USCA §31, at the time appellant's application was filed, read as follows:

> Inventions patentable. Any person who has invented or discovered any new and useful art, machine, manufacture, or composition of matter, or any new and useful improvements thereof, not known or used by others in this country, before his invention or discovery thereof, and not patented or described in any printed publication in this or any foreign country, before his invention or discovery thereof, or more than two years prior to his application, *and not in public use or on sale in this country for more than two years prior to his application*, unless the same is proved to have been abandoned, may, upon payment of the fees required by law, and other due proceeding had, obtain a patent therefor. [Italics ours.]

In 1930 this section was amended in certain respects not affecting the questions here involved.

The provision of said section with which we are concerned is the clause "* * * and not in public use or on sale in this country for more than two years prior to his application * * *."

It is appellant's contention that, while there was a public use of his invention by the Anaconda Copper Mining Company for more than two years prior to his application, and while such use was innocent upon the part of said Anaconda company, its use was fraudulently instigated by said Minerals Separation, and that therefore the use by said Anaconda company was not such a use as the statute contemplates.

Appellant's counsel in their brief frankly state:

> This is a case of first instance, the question having never been squarely presented to any court for decision.

The provision here under consideration had its origin, in substantially its present form, in section 7 of the act approved March 3, 1839, 5 Stat. 354. Appellant relies upon certain *dicta* in decisions of the Supreme Court of the United States, relating to public use prior to the application for patent, rendered under patent laws prior to that of 1839, to support his contention that the two years' public use referred to in the statutes beginning with 1839 does not include a fraudulent use or a use instigated by fraud.

In the case of *Andrews* v. *Harcy*, 124 U. S. 694, 42 O. G. 1285, these prior decisions are cited and reviewed, but the question before us was not involved in said case. In its opinion, however, speaking of the act of 1839, there is stated the following:

> It may well be that a fraudulent, surreptitious, and piratical purchase or construction or use of an invention prior to the application for the patent would not affect the rights of the patentee under either clause of the 7th section: * * *.

In said case the court found neither fraud nor surreptitious use of the invention there involved, and therefore the above quoted language from its opinion was *dictum*. The court concluded its opinion in said case with the following:

> * * * The second clause of the 7th section [the two year clause] seems to us to clearly intend, that, where the purchase, sale, or prior use referred to in it has been for more than two years prior to the application, the patent shall be held to be invalid, without regard to the consent or allowance of the inventor. Otherwise the statute cannot be given its full effect and meaning.

The case of *Eastman* v. *Mayor, Etc., of City of New York*, 124 Fed. 844, decided by the Circuit Court of Appeals, Second Circuit, was an infringement suit involving a patent issued under said act of 1839. One of the defenses urged was that the invention embraced in the patent had been in public use for more than two years prior to the application therefor by the inventor, and was therefore invalid under the 7th section of that act. The complainant there charged, as does the appellant here, that the public use of the invention was a fraudulent use and therefore should not be held to invalidate the patent there involved. As in the case of *Andrews* v. *Hovey*, supra, the court found upon the facts that there had been no fraudulent use of the invention against the inventor or his assignee. The court, however, in the *Eastman* case reviewed prior decisions of the United States Supreme Court and other Federal courts upon the questions of prior public use and surreptitious use, and concluded its discussion of those subjects with the following:

> The question, what constitutes a fraudulent, piratical or wrongful appropriation, sale or use of the invention, is left very much as the earlier authorities leave it, in obscurity. We have been referred to no case since the clear exposition of the law in *Andrews* v. *Hovey* where a plain case of public use earlier than two years before the application for the patent has been held to be ineffectual as a defense because the use was surreptitious. When the question is fairly presented it may be that the courts will hesitate to introduce exceptions to the rule as broadly stated by the Supreme Court, with the confusion and uncertainty incident thereto.
>
> If it be once understood that the object of the act "was to require the inventor to see to it that he filed his application within two years from the completion of his invention, so as to cut off all questions of the defeat of his patent by a use or sale of it by others more than two years prior to his application,' the courts will no longer be vexed by the perplexing questions which must frequently arise when the intent of the user and the bona fides of the use are questions to be determined on oral testimony. Isolated instances of injustice to the inventors may result, but the remedy is certain and sure. The inventor is master of the situation and has it in his power by prompt action to make the defense of prior public use impossible. Surely two years after he has completed his invention is ample time in which to file his application. If he fails to take so simple and reasonable a precaution why should it not be said that the risk is his and that he cannot complain of the consequences of his own supineness?

After careful research we have been unable to find any authoritative decisions upon the question of whether a fraudulent public use of an invention for more than two years prior to the filing of an application for patent for such invention, or such public use of an invention instigated by fraud, bars the issuance of a patent upon said application, or renders void a patent if issued.

We do not find it here necessary to decide whether a fraudulent use of an invention for more than two years prior to an application for a patent therefor bars the issue of a patent upon such application under the provision of said section 4886, Revised Statutes. We here use the words "fraudulent use" in the sense that the user of the invention is guilty of fraud, or at least has knowledge of fraud perpetrated against the inventor. In the case at bar it is established that the use of the invention by the Anaconda company was not fraudulent and there is nothing in the record to indicate that it had any knowledge that any rights of appellant had been violated, if any had been violated. Had the use here established been a use by Minerals Separation, a different

question would have been presented, concerning which we need here express no opinion.

It is our opinion that, whatever the correct rule may be with respect to a fraudulent use by another of an invention for more than two years prior to the filing of an application for patent therefor, there is no implied exception in the two-year provision removing the bar of the statute where there is a public use of an invention by an innocent user for more than two years prior to the application for patent. In other words, we hold that any public use of an invention, which is not fraudulent upon the part of the user, for more than two years prior to the application for patent for such invention, bars the issue of a patent upon such application.

[1] We think that when Congress provided a two-year period within which the inventor should not be held to be barred by public use, but that any public use for for more than two years prior to the application should be a bar, it did not intend to imply an exception to the effect that an innocent public use for more than two years prior to the application should not be within the bar of the statute because someone with whom the user has innocently dealt may have been guilty of fraudulent conduct against the inventor.

To hold that in such a case as the one at bar the two-year public use provision did not apply because of the conduct of Minerals Separation would, in principle, open wide the door to the granting of patents for inventions which had long been in public use if it appeared that communication of the invention to the public had been originally made by one who had betrayed some trust, or violated some duty to the inventor requiring him to keep the invention secret, such conduct being without the knowledge of the user.

An inventor has two years from the time of the completion of his invention to file an application for a patent therefor without being subject to the bar of public use. In the case at bar, appellant did not file his application until more than eleven years after he asserts he completed his invention. It is stipulated that he had knowledge of public use of his invention for more than one year prior to his application. It is true that it appears from the stipulation that in 1915 he entered into a contract with Minerals Separation agreeing to convey to it the invention here involved, together with other inventions, upon certain conditions, and that in said contract he agreed that he would file no applications for patent upon his said inventions except through Minerals Separation. This, however, was appellant's voluntary act and affords no excuse for his not filing or causing to be filed an application for patent in time to avoid the bar of public use.

Appellant's counsel, in his brief and upon oral argument, has treated the case before us as a contest between appellant and Minerals Separation. It is not such; this is an *ex parte* proceeding in which the Commissioner of Patents represents the public. Whatever rights appellant may have against Minerals Separation, or whatever defenses Minerals Separation may have against the asserted rights of appellant under the contract between them, cannot be determined by us in this *ex parte* proceeding, and we express no opinion with respect thereto.

It may be that in the interference proceeding between appellant and Keller, whose patent was assigned to Minerals Separation, said Minerals Separation should have been held to be estopped to bring a public use proceeding. But even so, and as to this we express no opinion, after the evidence was taken and public use established as hereinbefore set forth and the interference was dissolved, it clearly was proper in this *ex parte* proceeding for the Patent Office tribunals, representing the public, to take cognizance of such public use of the invention established in the interference proceeding.

[2] Inasmuch as it is an established fact that there was a public use of the invention here involved for more than two years prior to appellant's application, and further, that such use was without fraud upon the part of the user, Anaconda Copper Mining Company, the Board of Appeals did not err in affirming the rejection by the examiner of appellant's claims here involved, and its decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,018,833, J. C. Lincoln, Convertible motor, C. C. A., 6th Cir., Doc. 6361, *The Brown Brockmeyer Co.* v. *The Master Electric Co.* Doc. 6577, *The Master Electric Co.* v. *The Brown-Brockmeyer Co.* Claims 1, 2, 3, 7, 8, and 13 held not infringed April 15, 1935.

1,196,691, B. F. Hopkins, Means for distributing liquids, C. C. A. 6th Cir., Doc. 6660, *Alliance Securities Co.* v. *The De Vilbiss Mfg. Co.* Patent held infringed April 12, 1935.

1,198,861, Lesley & Schoen, Circuit controller, C. C. A., 6th Cir. Doc. 6634, *Mills Novelty Co.* v. *The Monarch Tool & Mfg. Co.* Patents held infringed April 10, 1935.

1,262,860, S. B. Smith, Incubator, filed Mar. 14, 1935, D. C. Colo. (Denver), Doc. 10,431, *S. B. Smith* v. *S. B. Smith et al.* Doc. 10436, *S. B. Smith* v. *R. W. Vance et al.* Doc. 10489, *S. B. Smith* v. *G. W. Whisler.* Doc. 10,499, *S. B. Smith* v. *M. E. Heim.* Doc. 10500, *S. B. Smith* v. *H. R. Spencer.* Doc. 10,506, *S. B. Smith* v. *F. Vender et al.* Same, filed Mar. 22, 1935, D. C. Colo. (Denver), Doc. 10,514, *S. B. Smith* v. *H. C. Warren.* Dismissed without prejudice April 12, 1935. Same, filed Mar. 5, 1935, D. C., N. D. Iowa (Cedar Rapids), Doc. E 174, *S. B. Smith* v. *S. Rondabush.* Dismissed April 3, 1935. Same, filed April 3, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E. 626 H, *S. B. Smith* v. *J. P. Milligan.* Same, filed Mar. 15, 1935, D. C. Minn. (Minneapolis), Doc. E 2821, *S. B. Smith* v. *R. W. Portinga.* Same, filed Mar. 25, 1935, D. C. Md., Doc. E 2320, *S. B. Smith* v. *E. Smith.* Same, filed April 8, 1935, D. C. Md., Doc. E 2323, *S. B. Smith* v. *W. H. Truslow et al.* Same, filed April 1, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3854-S, *S. B. Smith* v. *J. E. Kimber.* Same, filed April 5, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 628 M, *S. B. Smith* v. *H. P. Brown.* Doc. D-98, *S. B. Smith* v. *J. D. Hunter et al.* Same, filed Mar. 27, 1935, D. C., S. D. Iowa (Council Bluffs), Doc. E 4210, *S. B. Smith* v. *H. H. Lawson.* Dismissed without prejudice April 19, 1935. Same, filed April 6, 1935, D. C., S. D. Iowa (Davenport), Doc. 4142, *S. B. Smith* v. *C. A. Christensen.* Same, filed Mar. 20, 1935, D. C., E. D. Tenn. (Greenville), Doc. E 153, *S. B. Smith* v. *C. W. Bachman.* Same, filed April 3, 1935, D. C. Colo. (Denver), Doc. 10,522, *S. B. Smith* v. *M. M. Metzger.* Same, filed Mar. 8, 1935, D. C., N. D. Iowa (Cedar Rapids), Doc. 176, *S. B. Smith* v. *L. H. Winborn.* Dismissed without prejudice April 16, 1935.

1,310,389, F. A. Cerruti, Aeroplane, filed April 9, 1935, D. C., E. D. Mich. (Detroit), Doc. 6897, *F. A. Cerruti* v. *Stinson Aircraft Corp.*

1,317,131, L. P. Clutter, Ditching or excavating machine, D. C., N. D. Iowa (Cedar Rapids), Doc. 158, *Keystone Driller Co.* v. *Speeder Machinery Corp.* Dismissed without prejudice Feb. 26, 1935.

1,324,620, H. Rosenberg, Lock and indicator for dampers, D. C., E. D. Pa., Doc. 7713, *H. Rosenberg et al.* v. *Hart & Cooley Mfg. Co.* Dismissed without prejudice April 11, 1935.

1,343,095, T. M. Smith, Educational appliance, D. C., S. D. N. Y., Doc. E 79/214, *T. M. Smith et al.* v. *The Rippon Co.* Consent order of discontinuance (notice April 12, 1935).

1,359,880, C. Dunn, Self filling fountain pens, D. C., S. D. N. Y., Doc. E 79/134, *M. B. Swanholm* v. *The Wahl Co.* Dismissed (notice April 4, 1935).

1,408,499, Caterline & Brien, Roll paper holder, D. C., N. D. Calif. (San Francisco), Doc. E 3440-S, *Handy Roll Co.* v. *Dennison Mfg. Co.* Patent held infringed Mar. 30, 1935.

1,415,231, H. W. Dyer, Liquid cooling apparatus, filed April 16, 1935, D. C., E. D. N. Y., Doc. E 7583, *H. W. Dyer* v. *Kelvinator Corp. et al.*

1,439,121, A. E. Reimers, Heating unit for sad irons, D. C., S. D. N. Y., Doc. E 79/371, *A. E. Reimers et al.* v. *I. Fenick.* Consent decree pro confesso sustaining patent and granting injunction (notice April 16, 1935).

1,511,111, R. R. Dowale, Excavating machine, D. C., N. D. Iowa (Cedar Rapids), Doc. 159, *Keystone Driller Co.* v. *Speeder Machinery Corp.* Dismissed without prejudice Feb. 26, 1935.

1,526,982, E. W. Hill, Stencil sheet, filed Mar. 16, 1935, D. C., S. D. N. Y., Doc. E 80/6, *A. B. Dick Co.* v. *Perry Printing & Stationery Co., Inc.* Same, filed April 2, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3855-L, *A. B. Dick Co.* v. *Marr Duplicator Co., Ltd., et al.* Doc. E 3856 L, *A. B. Dick Co.* v. *Prestocopy Co. et al.* Same, filed April 19, 1935, D. C., W. D. Wash., N. D., Doc. 1119, *A. B. Dick Co.* v. *European Trading Co., Inc.*

1,527,198, J. S. Wallace, Steam generator attachment for stoves, D. C., W. D. Wash., N. Div., Doc. 950, *U. S. Range-Steam Engineering Co.* v. *Douglas Steam Engineering Co., Inc.* Dismissed April 13, 1935.

1,528,454, Taggart & Nichols, Hair pin, D. C., S. D. N. Y., Doc. E 62/128, *G. M. Taggart et al.* v. *W. C. Strauss et al.* Dismissed (notice April 19, 1935).

1,530,617, H. A. Porter, Flexible tubing fastener, D. C., N. D. Calif. (San Francisco), Doc. E 3541, *H. A. Porter* v. *E. L. Reed et al.* Patent held valid and infringed; injunction granted (notice received April 18, 1935).

1,552,326, P. J. Lunati, Lifting device for motor vehicles, filed April 15, 1935, D. C., W. D. Wash., S. Div., Doc. E 546, *P. J. Lunati et al.* v. *T. M. Gepford et al.* Injunction granted April 19, 1935. Same, filed April 23, 1935, D. C., W. D. Wash., S. Div., Doc. E 547, *P. J. Lunati et al.* v. *H. Nelson.*

1,561,909, T. C. Steimer, Glass feeding mechanism; 1,573,742, K. E. Peiler, Feeding molten glass; 1,629,409, same, Apparatus for separating molten glass into mold charges; 1,732,771, same, Apparatus for obtaining charges of molten glass; 1,873,021, same, Method of and apparatus for feeding molten glass; 1,621,426, 1,642,967, W. J. Miller, Apparatus for producing mold charges of molten glass, filed Mar. 26, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 617-J, *Hartford-Empire Co.* v. *McLaughlin Glass Co.*

1,573,742. (See 1,564,909.) 1,621,426. (See 1,564,909.)

1,628,128, C. Prichard, Draft regulator, filed April 6, 1935, D. C., S. D. N. Y., Doc. E 80/99, *Walker Mfg. & Sales Corp.* v. *A. Blanang (Sleeves & Floor Plates Mfg. Co.)*

1,629,409. (See 1,564,909.) 1,642,967. (See 1,564,909.)

1,673,727, I. V. Aronson, Cigar lighter, D. C. Minn. (Minneapolis), Doc. E 2742, *Art Metal Works, Inc.*, v. *The Dayton Co.* Consent decree holding claims 7, 10, 12, 13, 14, 16, and 17 valid and infringed Mar. 18, 1935.

1,706,211. (See Re. 17,116.)

1,708,756, J. T. Fagan, et al, Machine for making incandescent lamps, D. C., N. D. Ohio, W. Div., Doc. E 1250, *General Electric Co.* v. *Save Lamp Co. et al.* Dismissed without prejudice April 11, 1935.

1,732,771. (See 1,564,909.)

1,748,335, Farley & Landon, Method of treating coal and product thereof, filed April 18, 1935, D. C., M. D. Pa., Doc. 1172, *Delaware, Lackawanna & Western Coal Co.* v. *Meadowside Coal Co.*

1,749,355, F. A. Reece, Traversing means for winding machines; 1,946,506, Swanson & Marcroft, Winding machine, filed Apr. 8, 1935, D. C. Mass., Doc. E 4127, *Universal Winding Co.* v. *Foster Machine Co.*

1,761,573, C. W. Mueller, Sewing machine work support; 1,905,391, 1,989,602, same, Sewing machine, filed Apr. 2, 1935, D. C., S. D. N. Y., Doc. E 80/86, *Lewis Invisible Stitch Machine Co.* v. *Columbia Blindstitch Machine Mfg. Corp.* Same, filed Apr. 4, 1935, D. C., E. D. N. Y., Doc. E 7567, *Lewis Invisible Stitch Machine Co.* v. *Marlboro Fashions, Inc.*

1,768,503, A. A. Byerlein, Drawing press, filed Apr. 18, 1935, D. C., N. D. Ohio, W. Div., Doc. E 1467, *General Machinery Corp.* v. *Toledo Machine & Tool Co,*

1,781,828, W. Whiteley, Lubricating rings and travellers in doubling and like frames, filed Apr. 10, 1935, D. C., E. D. Pa., Doc. 8617, *Whitinsville Spinning Ring Co. et al.* v. *R. K. Laros Silk Co.*

1,789,379, S. V. Dillon, Pipe coupling, filed Apr. 16, 1935, D. C., N. D. Okla. (Tulsa), Doc. E 1030, *The Dillon Co.* v. *The Continental Supply Co.*

1,817,459, E. B. Kay, Furnace, D. C., S. D. N. Y., Doc. E 79-217, *F. M. Kay* v. *The City of New York.* Dismissed without prejudice Apr. 8, 1935.

1,821,674, H. Shapiro, Ventilator, filed Apr. 8, 1935, D. C., S. D. N. Y., Doc E 80/104, *H. Shapiro (No Draft Ventilator Co.)* v. *Gotham Pressed Steel Corp.*

1,825,598, H. Vogt, Process for producing combined sound and picture films, D. C., S. D. N. Y., Doc. E 79/68, *American Tri-Ergon Corp.* v. *First Division Pictures, Inc.* Dismissed without prejudice (notice Apr. 10, 1935). Doc. E 79/78, *American Tri-Ergon Corp.* v. *Monogram Pictures Corp.* Decree as above. Doc. E 79/102, *American Tri-Ergon Corp.* v. *Cinelab, Inc.* Decree as above. Doc. E 79/98, *American Tri-Ergon Corp.* v. *Producers Laboratories, Inc.* Dismissed without prejudice (notice Apr. 15, 1935). Doc. E 79/99, *American Tri-Ergon Corp.* v. *Malcolm Laboratories Corp.* Decree as above. Doc. E 79/72, *American Tri-Ergon Corp.* v. *Consolidated Film Industries,* Inc. Doc. E 79/77, *American Tri-Ergon Corp* v. *Ameranglo Corp.* Doc. E 79/100, *American Tri-Ergon Corp.* v. *H. E. Laboratories, Inc.* Doc. E 791/101, *American Tri-Ergon Corp.* v. *Filmlab, Inc.* Dismissed without prejudice (notice Apr. 16, 1935). In each of above cases. Doc. E 79/180, *American Tri-Ergon Corp.* v. *C. D. Hilles et al.* Dismissed without prejudice (notice Apr. 25, 1935). Same, D. C., E. D. N. Y., Doc. E 7400, *American Tri-Ergon Corp.* v. *Warner Bros. Pictures Inc. et al.* Dismissed without prejudice Apr. 30, 1935. Same, D. C., S. D. N. Y., Doc. E 79/66, *American Tri-Ergon Corp.* v. *Columbia Pictures Corp.* Dismissed without prejudice (notice Apr. 29, 1935). Same, filed Oct. 17, 1934, D. C., S. D. N. Y., Doc. E 79-69, *American Tri-Ergon Corp.* v. *Metro-Goldwyn-Mayer Corp. et al.* Doc. E 79-70, *American Tri-Ergon Corp.* v. *Universal Pictures Corp.* Same, filed Oct. 18, 1934, D. C., S. D. N. Y., Doc. E 79-76, *American Tri-Ergon Corp.* v. *Twentieth Century Pictures, Inc.* Doc. E 79/79, *American Tri-Ergon Corp.* v. *Reliance Pictures, Inc.* Same, filed Oct. 23, 1934, D. C., S. D. N. Y., Doc. E 79/103, *American Tri-Ergon Corp.* v. *Du Art Film Laboratories, Inc.* Same, D. C. Dela., Doc. E 925, *American Tri-Ergon Corp.* v. *R. K. O. Radio Pictures, Inc.* Dismissed Apr. 24, 1935.

1,865,995, A. L. Wurster, Cravat holder, filed Apr. 9, 1935, D. C., S. D. N. Y., Doc. E 80/127, *Wreal Cravat Holder Co., Inc.*, v. *Klipson Corp.* Same, filed Apr. 16, 1935, D. C. E. D. N. Y., Doc. E 7584, *Wreal Cravat Holder*

Co., Inc., v. *Freedman's Department Store, Inc., et al.* Doc. E 7598, *Wreal Cravat Holder Co., Inc.*, v. *S. S. Schwartz.*

1,878,021. (See 1,564,909.)

1,899,635, T. K. Powrie, Means for lubricating rings and travellers in doubling and like frames, filed Apr. 10, 1935. D. C., E. D. Pa., Doc. 8615, *Whitinsville Spinning Ring Co. et al.* v. *R. K. Laros Silk Co.*

1,905,291. (See 1,764,573.)

1,914,010, W. E. Eccles, Electrical connection, filed Apr. 8, 1935. D. C., N. D. Ohio, E. Div., Doc. E 5196, *National Engineering Corp* v. *The Newart Mfg. Co.*

1,930,809. (See Re. 19,079.)

1,946,506. (See 1,749,355.)

1,956,613, Corn & Hyatt, Heat transfer facilities in ice-cream freezers, filed Apr. 5, 1935, D. C., W. D. Tex. (Waco), Doc. E 282, *Tuthill Pump Co.* v. *J. G. Vlahakas et al.*

1,959,978, E. O. Freund, Sausage, artificial casing therefor, and the production thereof, filed Apr. 9, 1935, D. C., E. D. Pa., Doc. 8613, *The Visking Corp.* v. *Hygrade Food Products Corp.*

1,960,638, Williston & Nichols, Well surveying device, filed Apr. 17, 1935, D. C., S. D. Tex. (Houston), Doc. E 675, *Sperry-Sun Well Surveying Co.* v. *Eastman Oilwell Survey Co.*

1,968,712, J. Schonholtz, Watch dial construction, filed Apr. 8, 1935, D. C., S. D. N. Y., Doc. E 80/103, *Swiss Radium & Dial Painting Co., Inc., et al.* v. *Belore Watch Case Co., Inc.*

1,983,217, W. L. Clark, Well flowing apparatus, filed Apr. 11, 1935, D. C., W. D. Okla. (Oklahoma City), Doc. E 1717, *Clark Bottom Hole Intermitter Co.* v. *Harrell-Davis Oil Co. et al.*

1,987,004, L. U. Eyerly, Amusement device, filed Apr. 15, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 643–J, *L. U. Eyerly* v. *E. Branson.*

1,989,602. (See 1,764,573.)

1,993,671, M. Kahn, Foundation garment, filed Apr. 13, 1935, D. C., S. D. N. Y., Doc. E 80/132, *Artistic Foundations, Inc.*, v. *Mastercraft Specialties, Inc.*

Re. 17,116, O. L. Coffey, Drop pit mechanism for unwheeling locomotives; 1,706,211, same, Drop pit mechanism, C. C. A., 6th Cir., Doc. 6610, *Whiting Corp.* v. *Manning, Maxwell & Moore, Inc.* Decree affirmed April 9, 1935.

Re. 18,151, H. P. Elliott, Stencil machine and stencil therefor, D. C., S. D. N. Y., Doc. E 73/156, *Elliott Addressing Machine Co.* v. *W. McParlan, et al.* Dismissed (notice April 10, 1935). Doc. E 76/200, *Elliott Addressing Machine Co.* v. *A. P. Bergh.* Dismissed (notice April 10, 1935).

Re. 19,614, H. Speetjens, Apparatus for permanently waving hair, filed April 12, 1935, D. C., E. D. N. Y., Doc. E 7574, *Revave Heaters, Inc.*, v. *E. Frederico, Inc.*

Re. 19,079, P. Kollsman, Altimeter; 1,930,899, same, Aneroid and operating means therefor, filed April 8, 1935, D. C., E. D. N. Y., Doc. E 7568, *P. Kollsman* v. *Pioneer Instrument Co., Inc.*

Des. 75,877, E. G. Shalkhauser, Combined radiator lamp casing, and hood for motor vehicles, filed April 11, 1935, D. C., E. D. Mich. (Detroit), Doc. 6903, *E. G. Shalkhauser* v. *Hupp Motor Car Corp. et al.*

Des. 76,819, G. N. Mas, Bottle, C. C. A., 4th Cir., Doc. 3762, *American Ornamental Bottle Corp. et al.* v. *Orange-Crush Co.* Decree affirmed April 18, 1935. Doc. 3792, *Orange-Crush Co.* v. *American Ornamental Bottle Corp. et al.* Decree affirmed April 18, 1935.

Des. 82,866, Morrill & Webster, Shoe or article of analogous nature, filed April 5, 1935, D. C. Mass., Doc. E 4126, *Morrill & Webster, Inc.*, v. *Bancroft Walker Co.*

Des. 84,022, E. E. Engstrom, Canister, filed April 15, 1935, D. C., E. D. N. Y., Doc. E 7577, *Metal Package Corp.* v. *M. Kamenstein, Inc.*

Des. 94,519, J. Sandler, Shoe, filed April 18, 1935, D. C., Mass., Doc. E 4129, *J. Sandler* v. *A. Jacobs & Sons Co., Inc.*

Des. 94,742, L. H. Forsch, Design for a lady's suit, filed April 8, 1935, D. C., S. D. N. Y., Doc. E 80/106, *The Forsch Benjamin Co.* v. *Sally Coat Co., Inc.*

Des. 94,821, W. Freedman, Blouse, filed Apr. 15, 1935, D. C., S. D. N. Y., Doc. E 80/133, *Irving Kemp, Inc.*, v. *Dainty Blouse, Inc.* Doc. E 80/82, *Irving Kemp, Inc.*, v. *Albrecht's Stores, Inc.* Consent decree for plaintiff (notice April 22, 1935).

T. M. 14,482. (See T. M. 87,163.)

T. M. 18,717, Schulke & Mayr, Chemical; T. M. 27,456, same, Soluble tar oils; T. M. 53,937, T. M. 53,938, same, Disinfectant and antiseptic; T. M. 135,729, Lehn & Fink, Inc., Soap and shaving cream; T. M. 137,640, T. M. 128,764, same, Antiseptics, disinfectants, shaving cream and soaps; T. M. 219,630, T. M. 224,321, T. M. 226,530, Lysol, Inc., Antiseptics and disinfectants; T. M. 225,545, same, Soap, shaving creams, etc., D. C., N. D. Ill., E. Div., Doc. 14,144, *Lysol, Inc.*, v. *Hotz Drug Co., Inc.* Consent decree enjoining defendant from using the word Lysol or any colorable imitation Feb. 4, 1935.

T. M. 27,456. (See T. M. 18,717.)

T. M. 34,806, T. A. Edison, Phonograph and phonographic supplies; T. M. 60,343, Edison Mfg. Co., Primary batteries, parts thereof and fan motors; T. M. 82,971, T. M. 237,380, Edison Storage Battery Co., Storage batteries; T. M. 259,035, T. A. Edison, Inc., Primary battery; T. M. 260,242, same, Electric toasters; T. M. 260,243, same, Electric coffee making appliance; T. M. 260,246, same, Electric toasters and electric coffee making appliances; T. M. 301,881, same, Storage batteries; T. M. 305,381, same, Electric motor, D. C., N. D. Ill., E. Div., Doc. 14,052, *Thos. A. Edison, Inc.*, v. *Edison Laboratories, Inc.* Consent decree enjoining defendant from using the word Edison or any like word or name upon or in connection with goods sold or offered for sale Jan. 9, 1935.

T. M. 45,613. (See T. M. 87,163.)

T. M. 53,937. (See T. M. 18,717.)

T. M. 53,938. (See T. M. 18,717.)

T. M. 60,343. (See T. M. 34,806.)

T. M. 82,971. (See T. M. 34,806.)

T. M. 87,163, Channell Chemical Co., Mops; T. M. 14,482, G. H. Allen, Furniture polish; T. M. 45,613, Cedarine-Allen Co., Cleaning and polishing preparations, D. C., N. D. Ill., E. Div., Doc. 8813, *O'Cedar Corp.* v. *F. W. Woolworth Co. et al.* "Decree after mandate enjoining defendants from using label specifically complained of in bill Mar. 4, 1935."

T. M. 94,714, Cointreau Pere et Fils, Liqueur; T. M. 280,908, Societe A Responsabilite Limitee Cointreau, Flavoring sauces, D. C., N. D. Ill., E. Div., Doc. 14185, *Societe A Responsabilite Limitee Cointreau* v. *J. Bobsin et al.* (*Cloister Co.*). Consent decree holding trade mark valid and infringed Apr. 1, 1935.

T. M. 128,764. (See T. M. 18,717.)

T. M. 135,729. (See T. M. 18,717.)

T. M. 137,640. (See T. M. 18,717.)

T. M. 210,122, Victor Talking Machine Co., Radio apparatus, parts, and appurtenances; T. M. 215,794, same, Talking machine, and parts thereof, records, D. C., N. D. Ill., E. Div., Doc. 14,314, *R. C. A. Mfg. Co., Inc.*, v. *Victor Radio Corp. et al.* Consent decree holding infringement Feb. 18, 1935.

T. M. 215,794. (See T. M. 210,122.)

T. M. 219,630. (See T. M. 18,717.)

T. M. 224,321. (See T. M. 18,717.)

T. M. 225,545. (See T. M. 18,717.)

T. M. 226,530. (See T. M. 18,717.)

T. M. 237,380. (See T. M. 34,806.)

T. M. 259,035. (See T. M. 34,806.)

T. M. 260,242. (See T. M. 34,806.)

T. M. 260,243. (See T. M. 34,806.)

T. M. 260,246. (See T. M. 34,806.)

T. M. 280,908. (See T. M. 94,714.)

T. M. 301,881. (See T. M. 34,806.)

T. M. 305,381. (See T. M. 34,806.)

T. M. 309,131, G. Benz Sons, Inc., same, D. C., N. D. Ill., E. Div., Doc. 14118, *Geo. Benz Sons, Inc.*, v. *H. C. Struzynski* (*National Cordial Co.*). Bill and counterclaim dismissed Feb. 26, 1935.

Changes in Classification

Order No. 3,309, May 3, 1935, directs:

In *class 31, Dairy* (Division 2), abolish the following subclass, with its definition:

Milking pails and cans
55 Stands.

The patents formerly contained in this subclass have been placed for the most part in class 248, SUPPORTS, subclass 146, established in this order.

In *class 31, Dairy* (Division 2), change the title of subclass 54 to read as follows:

Milking pails and cans
54 Lap supported.

and following the definition of subclass 50 establish the following note:

Note.—For mere supports for milking pails and cans not limited by structure to that use, see class 248, SUPPORTS, especially subclass 146, and indented subclasses.

In *class 40, Card, Picture, and Sign Exhibiting* (Division 35), abolish the following subclasses, with their definitions:

145.1 **Picture hangers**
145.7 Plaque retainers.
145.2 Adjustable
145.3 Cord
145.4 Pawl and ratchet.
145.5 Steps.
145.6 Slide and clamp.
145.8 Retaining cord.
146 **Picture stands and supports**
147 Illuminators.
148 Frames.
149 Single blank
150 Braces.
151 Wire.

The patents formerly contained in these subclasses have been placed for the most part in this class, subclasses 124.1, 152.1, and 152.2, established in this order, and in class 248, SUPPORTS, subclass 28, and indented subclasses, established in this order.

In *class 40, Card, Picture, and Sign Exhibiting* (Division 35), establish the following subclasses and definitions:

124.1 **Display cards.**
Picture frames
152.1 With supports
152.2 Illuminated.

124.1. Cards having advertising matter or pictures on their face to be displayed.

Note. This subclass includes the supports for the cards where they are an integral part of the card or are combined therewith.

Note. For mere supports for a display card, see class 248, SUPPORTS, subclass 28, and indented subclasses.

152.1. Picture frames having their supports combined therewith.

Note.—For mere supports for a picture frame, see class 248, SUPPORTS, subclass 28, and indented subclasses.

152.2. Picture frames having their supports combined therewith with illuminating means whereby the picture is illuminated. This subclass also includes supported frames wherein light is transmitted through the picture.

The patents contained in subclass 124.1 have been taken for the most part from this class, subclass 149, abolished in this order; those contained in subclass 152.1 have been taken for the most part from this class, subclass 148, abolished in this order, and those contained in subclass 152.2 have been taken for the most part from this class, subclass 147, abolished in this order.

In *class 67, Illuminating Burners* (Division 30), establish the following subclass and definition:

Solid fuel
Candlesticks
25.5 Christmas-tree.

25.5. Devices for supporting candles on a Christmas tree.

The patents contained in this subclass have been taken for the most part from class 248, SUPPORTS, subclass 42, abolished in this order.

In *class 68, Laundry* (Division 27), abolish the following subclass:

12 **Clothesline fasteners.**

The patents formerly contained in this subclass have been placed for the most part in class 248, SUPPORTS, subclass 353, established in this order.

In *class 83, Mills* (Division 25), abolish the following subclass:

Bagging grain
26 Bag holders.

The patents formerly contained in this subclass have been placed for the most part in class 248, SUPPORTS, subclass 95, and indented subclasses, established in this order.

In *class 135, Tents, Canopies, Umbrellas, and Canes* (Division 53), abolish the following subclasses, with their definitions:

9 **Canopy supports**
10 Baby carriage.
11 Bicycle.
12 Body harness.
13 **Umbrella supports.**

The patents formerly contained in these subclasses have been placed for the most part in this class, subclass 7.1, class 224, PACKAGE AND ARTICLE CARRIERS, subclass 5.1, and class 248, SUPPORTS, subclass 38, and indented subclasses, all established in this order.

In *class 135, Tents, Canopies, Umbrellas, and Canes* (Division 53), establish the following subclass and definition:

Canopies
7.1 Frames.

7.1. Frames for supporting canopies.

The patents contained in this subclass have been taken for the most part from this class, subclass 9, and indented subclasses, abolished in this order.

In *class 156, Curtains, Shades, and Screens* (Division 53), change the title of subclass 22 to read:

Curtain
22 Poles, with supports.

and change the title of subclass 24 to read:

Shade
24 Shades with brackets.

In *class 211, Supports, Racks* (Division 8), abolish the following subclasses, with their definitions:

Special article
25 Watch or clock holders.
154 **Stands**
155 Vertically adjustable.
156 Of sheet material
157 Single blank.
158 Of wire.
159 Knockdown.
160 **Easels**
161 Of wire.

The patents formerly contained in subclass 25 have been placed for the most part in class 248, SUPPORTS, subclass 114, and indented subclasses, established in this order, and the patents formerly contained in subclasses 154–161 have been placed for the most part in class 248, SUPPORTS, subclasses 127, and indented subclasses, and 195, and indented subclasses, established in this order.

In *class 211, Supports, Racks* (Division 8), change the title of subclass 65, and indented subclass, to read:

Special article
Slender article type
65 Brush and broom
66 Suspended,

and after the definition of subclass 65 establish the following note:

Note.—For cabinets for brushes and brooms, see class 312, SUPPORTS, CABINET STRUCTURES, subclass 112.5;

change the title of subclass 135, and indented subclass, to read:

Shelf type
135 Of sheet material
136 Vertically adjustable,

and change the definitions thereof by changing the word

"metal" in line 2 of subclass 135 and line 3 of subclass 136 to *material*.

In *class 221, Package and Article Carriers* (Division 29), establish the following subclass and definition:

Body and belt attached
5.1 Umbrella or canopy.

5.1. Article carriers within the definition of subclass 5 in which the article carried is an umbrella or canopy which may be supported on the person in position for use or transportation.

The patents contained in this subclass have been taken for the most part from class 135, TENTS, CANOPIES, UMBRELLAS, AND CANES, subclass 12, abolished in this order.

In *class 222, Deposit and Collection Receptacles* (Division 29), abolish the following subclass, with its definition:

Letter boxes
Supports and fastenings
40 Movably attached.

The patents formerly contained in this subclass have been placed for the most part in class 248, SUPPORTS, subclass 128, and indented subclasses, established in this order.

In *class 222, Deposit and Collection Receptacles* (Division 29), change the title of subclass 39 to read as follows:

Letter boxes
39 With supports;

abolish the existing definition, and establish the following definition in lieu thereof:

39. Letter boxes combined with their supports or supports for letter boxes limited by structure to use with a letter box.

Note.—For mere supports for letter boxes not limited by structure to use with letter boxes, see class 248, SUPPORTS, appropriate subclasses, particularly subclass 128, and indented subclasses, and subclass 146, and indented subclasses.

In *class 304, Scaffolds* (Division 4), abolish the following subclasses, with their definitions:

Roofing
22 Grip jaw.
23 Ridge engaging.
Details
33 Brackets
34 Ladder
35 Reversible.
36 Stile carried.

The patents formerly contained in these subclasses have been placed for the most part in class 248, SUPPORTS, subclass 235, and indented subclasses, established in this order.

In *class 312, Supports, Cabinet Structures* (Division 8), establish the following subclass and definition:

Wall or window mounted type
112.5 Brush or broom.

112.5. Cabinets mounted on a wall or window and specially designed to encase and support brushes or brooms. It includes devices in which the casing is in the form of a drinking glass.

Note.—For clasp supports for brushes and brooms, see class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclasses 249, 254, and 257.

Note.—For paint brush holders having provision for cleaning the brush, see class 91, COATING, subclass 63.

Note.—For receptacles for brushes, see class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 15.1.

Note.—For racks for brushes and brooms, see class 211, SUPPORTS, RACKS, subclass 65.

Note.—For mere supports for a brush or broom, see class 248, SUPPORTS, subclass 110, and indented subclasses, and for brush and broom supports which remain with the brush or broom while in use, see class 248, SUPPORTS, subclass 359, and indented subclass.

The patents contained in this subclass have been taken for the most part from class 248, SUPPORTS, subclass 63, abolished in this order.

In *class 248, Supports* (Division 52), abolish the existing subclass titles and establish in lieu thereof the subclasses indicated in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 68.

Lists of subclass titles, and the definitions, may be seen in the Classification Division, Room 3616, and in the Search Room, pending publication.

Changes in Classification

Order No. 3,310, May 9, 1935, directs:

In *class 211, Supports, Racks* (Division 8), abolish the following subclass, with its definition:

Elements
185 Legs, bases, and pedestals.

The patents formerly contained in this subclass have been placed for the most part in class 248, Supports, subclass 194.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, May 8, 1935.*

W. Margulis, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clover Leaf Products Co., 1848 East Vernon Avenue, Los Angeles, Calif., to effect the cancellation of trade-mark registration of W. Margulis, 671 Rio Street, Los Angeles, Calif., No. 317,803, dated October 2, 1934, and the notice of such proceeding sent by registered mail to the said W. Margulis at the said address having been returned by the post office undelivered, notice is hereby given that unless said W. Margulis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

R. SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, May 10, 1935.*

Geo. B. Clemmer, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the application of Ray Day Piston Corporation of Detroit, 6656 Walton Avenue, Detroit, Michigan, to effect the cancellation of trade-mark registration No. 181,877, issued March 25, 1924, to Geo. B. Clemmer, 114 Mount Royal Avenue, Baltimore, Maryland, James A. Hughes, 311 Second Highland Avenue, Baltimore, Maryland, having been joined with said Geo. B. Clemmer as respondent. The notice of such proceeding sent to said Geo. B. Clemmer by registered mail at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Geo. B. Clemmer, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, May 9, 1935.*

James H. Dalbey, his assigns or legal representatives, take notice:

An interference has been declared by this Office between an application for patent filed by James H. Dalbey, c/o Hotel McAlpin, 10th and Chestnut Streets, Philadelphia, Pennsylvania, and an application for patent filed by Charles Henderson, 19 West Plumstead Avenue, Lansdowne, Pennsylvania. The attorney for Dalbey states that he is unable to locate said Dalbey. Notice is hereby given that unless said Dalbey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 28, 1935

[VOL. 454. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 362,125. THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo. Filed Mar. 4, 1935.



Trade-mark consists of a green, splotchy covering having gold colored, ramified areas and small spots thereon, on the surface of the coal with the words "Green-Gold" arranged upon said covering. Applicant disclaims the representation of a lump of coal and the label.

For Coal.

Claims use since Jan. 15, 1935.

Ser. No. 363,198. ISIDORE FELDSTEIN, doing business as Morris Feldstein & Son, New York, N. Y. Filed Apr. 8, 1935.



The word "Oak", apart from the features of the mark, is disclaimed.

For Cut Sole Leather.

Claims use since July 14, 1930.

Ser. No. 363,717. R. NEUMANN & COMPANY, Hoboken, N. J. Filed Apr. 13, 1935.

BUCKAROO

For Leather.

Claims use since Feb. 1, 1935.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 363,678. U. S. HAME COMPANY, Buffalo, N. Y. Filed Apr. 12, 1935.

661

For Hames.

Claims use since Apr. 6, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 357,886. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Nov. 5, 1934.

„AMCHEM"

For Polishes and Detergents for Metals.

Claims use since Apr. 17, 1934.

Ser. No. 362,433. NEON SHOE DYE MFG. CO., Warren, Ohio. Filed Mar. 12, 1935.

NEON WHITE



The word "White" is disclaimed apart from the mark as shown.

For White Shoe Polish and Dressings and Other Shoe Polish and Dressings.

Claims use since Nov. 1, 1933.

Ser. No. 362,490. JERRY SIERCHIO, Nutley, N. J. Filed Mar. 13, 1935.

WATERFALLS

For Shoe Whitening.

Claims use since July, 1934.

Ser. No. 363,121. LOYD L. SHAFER, Council Bluffs, Iowa. Filed Mar. 28, 1935.

SANIWAX

For Sweeping Compound Which Also Cleans Floors, with Incidental Properties as a Floor Dressing and Floor Polisher.

Claims use since March, 1934.

Ser. No. 363,443. TATTOO, INC., Chicago, Ill. Filed Apr. 5, 1935.

TATTOO

For Soaps.

Claims use since Mar. 4, 1933.

Ser. No. 363,710. CHARLES KLEIN, doing business as Kay Tee Products Company, Brooklyn, N. Y. Filed Apr. 13, 1935.

KAYCO

For Preparation for Cleaning Tile, Porcelain, Enamel and Like Surfaces.

Claims use since Oct. 5, 1934.

CLASS 5

Adhesives

Ser. No. 357,104. SANFORD MANUFACTURING CO., Chicago, Ill. Filed Oct. 13, 1934.

LIQUI-PASTE

No claim is made to the word "Paste" apart from the mark shown.

For Semi-Liquid Adhesive.

Claims use since Sept. 5, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 353,101. JAMES L. YOUNGHUSBAND, Chicago, Ill. Filed June 23, 1934.

ETERNAL

For Lipsticks, Rouge, and Face Powder.

Claims use since June 11, 1934.

Ser. No. 355,984. SANITIZED, INC., New York, N. Y. Filed Sept. 12, 1934.

Sanitized

For Anti-septic Chemical Compound in Liquid Form Which Is a Chemical Compound Capable of Imparting to Textiles a Degree of Active Antisepticism When the Said Chemical Compound is Brought into Contact with Textiles and the Like Through Water or Other Liquids.

Claims use since July 21, 1934.

Ser. No. 358,547. BLAIR CHEMICAL CO., INC., Long Island City, N. Y. Filed Nov. 23, 1934.

Blair's

TRADE BLAIR'S MARK

No claim is made to the words "Trade Mark" except as shown.

For Medicated Preparation in Liquid Form Used to Restore Natural Color to Gray or Faded Hair and to Impart Color to Gray or Faded Hair.

Claims use since June 1, 1933.

Ser. No. 360,086. JOSEPH C. SMITH, doing business as Smith Laboratories, Kansas City, Kans. Filed Jan. 9, 1935.

Phylassogyn

For Hygienic Vaginal Jelly.

Claims use since Dec. 27, 1933.

Ser. No. 360,836. EDWIN E. TAIBER, doing business as Precision Pharmaceutical Co. New York, N. Y. Filed Jan. 26, 1935.

DOCTOR PEPPY'S STRONG COUGH MIXTURE



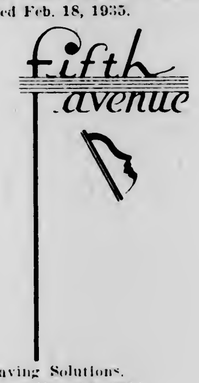
The portrait is that of Joseph Taiber, M. D., deceased. The words "Strong Cough Mixture" are disclaimed apart from the mark.

For Preparation for Coughs, Sore Throat, Hoarseness, Bronchitis, and the Like.

Claims use since Nov. 23, 1933.

Ser. No. 361,495. ALLIED BEAUTY PRODUCTS MFG. CO., Chicago, Ill. Filed Feb. 18, 1935.

fifth avenue



For Hair Waving Solutions.

Claims use since Nov. 13, 1934.

Ser. No. 362,035. GEORGE WILLIAM MILLER, Long Beach, Calif. Filed Mar. 1, 1935.

MILCAPS

For Capsule Preparation to Be Taken Internally, Which is a Corrective and Supplemental Dietic Preparation Intended Primarily for an Unbalanced Food Diet or Having an Endocrine Glandular Function.

Claims use since June, 1934.

Ser. No. 362,199. AUGUST TRAUTMAN, Brooklyn, N. Y. Filed Mar. 6, 1935.

D. & T.

For Insecticides, Disinfectants, Deodorants, and Fungicides.

Claims use since Feb. 21, 1935.

Ser. No. 362,477. A. W. KRETSCHMAR, INC., New York, N. Y. Filed Mar. 13, 1935.

STYPTICUM & COAGULUM „ SANQUISTIT"

No claim is made to the words "Stypticum & Coagulum" apart from the mark as shown.

For Medicinal Preparation Used for the Purpose of Stopping Hemorrhages and Blood Flowings Generally.

Claims use since Oct. 8, 1934.

Ser. No. 362,482. A. P. ORDWAY & CO., New York, N. Y. Filed Mar. 13, 1935.

KAUFMANN'S SUPHURB BITTERS

A. P. Ordway & Co.

No claim is made to the exclusive use of the word "Bitters" apart from the mark. The name "A. P. Ordway & Co." is in the handwriting of Aaron P. Ordway, deceased, founder of applicant's business.

For Sulphur Bitters Recommended as a Blood Purifier.

Claims use since Mar. 11, 1935.

Ser. No. 362,712. EUGENE M. SAGESER, doing business as Standard Pharmacal Co., Lexington, Ky. Filed Mar. 18, 1935.

NERVAID

For Nerve Tonic.

Claims use since Jan. 30, 1934.

Ser. No. 362,747. THE MERCIREN COMPANY, Milford, Del. Filed Mar. 19, 1935.

PYL-IEF

For Preparation for the Relief of Hemorrhoids.

Claims use since Feb. 14, 1935.

Ser. No. 362,748. THE MERCIREN COMPANY, Milford, Del. Filed Mar. 19, 1935.

PYL-IEF

For Preparation for the Relief of Hemorrhoids.

Claims use since Feb. 14, 1935.

Ser. No. 362,826. JOSS EQUIPMENT AND SERVICE CORPORATION, New York, N. Y. Filed Mar. 21, 1935.

Joss

For Beer Pipe Cleaning Compound.
Claims use since Oct. 29, 1934.

Ser. No. 362,867. ARTHUR B. CHALMERS, Kansas City, Mo. Filed Mar. 22, 1935.

EL-CRE-SOL

The term "Cre-Sol" is disclaimed apart from the mark as shown.
For Preparation for Treatment of Diseases of the Mouth.
Claims use since Mar. 7, 1935.

Ser. No. 362,906. W. & B. CHARLES CO., INC., New York, N. Y. Filed Mar. 23, 1935.

Vy-Ac

For Viable Acidophilus Preparations.
Claims use since Feb. 28, 1935.

Ser. No. 362,980. A. R. VAN ELLA, doing business as A. R. Van Ella, Not Inc., Chicago, Ill. Filed Mar. 25, 1935.

Van Ella DREAM

For Oil Shampoo, Tonic for Oily Hair, Powder Base, and a Lotion for Use Before and After Shaving.
Claims use since Mar. 19, 1935.

Ser. No. 362,994. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 26, 1935.

COLLAFUSE

For Solvent for Cellulose Derivatives.
Claims use since Mar. 21, 1935.

Ser. No. 363,021. VAN PELT & BROWN, INC., Richmond, Va. Filed Mar. 26, 1935.

BELLAPHEN

For Preparation for Use in the Treatment of Gastro-Intestinal Disorders.
Claims use since Nov. 1, 1934.

Ser. No. 363,022. VAN PELT & BROWN, INC., Richmond, Va. Filed Mar. 26, 1935.

FERRICIT

For Preparation for Use in the Treatment of "Secondary" or "Hypochromic" Anemia.
Claims use since Nov. 10, 1934.

Ser. No. 363,023. VAN PELT & BROWN, INC., Richmond, Va. Filed Mar. 26, 1935.

THEOBARB

For Preparation for Use in the Treatment of Angina Pectoris and Other Cardiovascular Ailments.
Claims use since Nov. 1, 1934.

Ser. No. 363,027. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Mar. 27, 1935.

AMEDOL

For Mineral Oil for Medicinal Purposes
Claims use since Mar. 1, 1935

Ser. No. 363,029. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Mar. 27, 1935.

YARKOL

For Mineral Oil for Medicinal Purposes.
Claims use since Mar. 1, 1935.

Ser. No. 363,138. RALLET CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 28, 1935.

"Last Paradise"

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Mar. 20, 1935.

Ser. No. 363,424. G. W. CARNRICK CO., Newark, N. J. Filed Apr. 5, 1935.

PITANTRIN

For Aqueous Solution of the Anterior Pituitary Like Sex Hormone, Derived from Pregnant Urine Standardized Biologically, and Used in the Treatment of Abnormal Menstrual Conditions in Females.
Claims use since Mar. 16, 1935.

Ser. No. 363,544. ANGLO-FRENCH DRUG CO., (U. S. A.) INC., New York, N. Y. Filed Apr. 9, 1935.

MYCOL

For Medicines for the Treatment of Constipation.
Claims use since Oct. 15, 1934.

Ser. No. 363,551. BROTHERS CORPORATION, Brooklyn, N. Y. Filed Apr. 9, 1935.

Bulkara

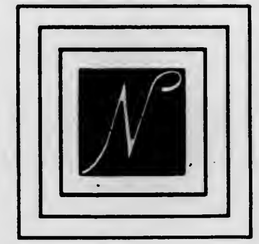
For Bulk Laxative for Constipation
Claims use since Mar. 7, 1935

Ser. No. 363,627. ELEANORE V. ENWRIGHT, doing business as L. M. Brock & Company, Lynn, Mass. Filed Apr. 11, 1935.

BROCKS DENTAL PUFFER

The word "Dental" is disclaimed apart from the mark shown.
For Tooth Powders.
Claims use since Dec. 26, 1931

Ser. No. 363,635. THE NESTLE-LEMUR COMPANY, New York, N. Y. Filed Apr. 11, 1935.



For Shampoo Tint.
Claims use since Apr. 9, 1935.

Ser. No. 363,657. THE GLEMBY COMPANY, INC., New York, N. Y. Filed Apr. 12, 1935.

Bath-Jewels

No rights are asserted to the word "Bath" apart from the mark as shown.
For Salts Used in Bathing.
Claims use since Mar. 29, 1935.

CLASS 7

Cordage

Ser. No. 360,953. HYMAN J. EPSTEIN, doing business as Mystic Novelty Mills, Malden, Mass. Filed Jan. 31, 1935.

DURO

For Cotton Cords or Twine
Claims use since Jan. 15, 1935.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 356,968. HENRY S. SAMPLINER, Atlantic City, N. J. Filed Oct. 10, 1934.

Cig-Tips

The word "Tips" is disclaimed apart from the mark shown.
For Cigarette Holders.
Claims use since Mar. 15, 1934.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 362,131. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Mar. 4, 1935.

".357" MAGNUM

No claim is made to the decimal ".357" apart from the mark.
For Revolver Cartridges.
Claims use since Feb. 28, 1935.

Ser. No. 362,926. SAFETY MINING COMPANY, Chicago, Ill. Filed Mar. 23, 1935.

CARDOX

For Non-Destructible Cartridges Used for Blasting Purposes and Parts Thereof Including Cartridge Shells, Charging Heads, Discharge Heads, Charge Releasing Devices, and Units for Heating the Charges.
Claims use since Nov. 19, 1927.

Ser. No. 362,929. SAFETY MINING COMPANY, Chicago, Ill. Filed Mar. 23, 1935.



For Non-Destructible Cartridges Used for Blasting Purposes and Parts Thereof Including Cartridge Shells, Charging Heads, Discharge Heads, Charge Releasing Devices, and Units for Heating the Charges.
Claims use since Mar. 5, 1935.

CLASS 12

Construction Materials

Ser. No. 359,607. AMERICAN BUILDING PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 24, 1934.

GRANITEX

For Plaster.
Claims use since Aug. 23, 1934.

Ser. No. 359,754. THE B. F. NELSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Dec. 29, 1934.



For Composition Sheet Roofing for Buildings.
Claims use since Dec. 8, 1934.

Ser. No. 362,690. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio. Filed Mar. 18, 1935.

TIP-TOP

For Doors.
Claims use since Oct. 20, 1934.

Ser. No. 362,691. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio. Filed Mar. 18, 1935.



No claim is made to the representation of an overhead door apart from the mark.
For Doors.
Claims use since Oct. 20, 1934.

Ser. No. 363,108. LOUISVILLE CEMENT COMPANY, Louisville, Ky. Filed Mar. 28, 1935.

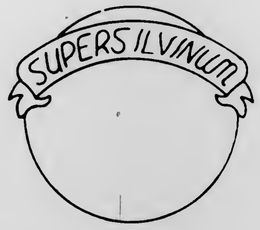
SPEED

For Cement and Lime.
Claims use since 1907 on cement; since 1930 on lime.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 352,412. ADVANCE ALUMINUM CASTINGS CORPORATION, Chicago, Ill. Filed June 8, 1934



For Cooking Utensils Composed of Aluminum Alloy, to-wit: Triplicate Sets, Water Kettles, Water Kettle Inserts, Coffee Pots, Fry Pans and Covers Therefor, Double Fry Pans, Casseroles with Base, Dutch Ovens, Preserving Kettles, Sauce Pans, Roasters, Griddles, and Sugar and Creamer Sets.
Claims use since June 21, 1933.

Ser. No. 362,820. GLIDA COMPANY OF AMERICA, New York, N. Y. Filed Mar. 21, 1935.

GLIDA

For Slide Fasteners.
Claims use since Dec. 5, 1933

CLASS 15

Oils and Greases

Ser. No. 356,075. MARVEL OIL CO., INC., Philadelphia, Pa. Filed Sept. 15, 1934.



The drawing is lined for red, black, and yellow. The letters "P. S." are disclaimed except in association with the rest of the mark as shown.
For Lubricating Oil.
Claims use since June 26, 1934.

Ser. No. 356,554. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y. Filed Sept. 28, 1934.

VISCOTE SYSTEM

No claim is made to the word "System" apart from the mark.
For Lubricating Oils and Greases
Claims use since Sept. 14, 1934.

Ser. No. 362,569. GULF REFINING COMPANY, Pittsburgh, Pa. Filed Mar. 15, 1935.

TRAFFIC

For Gasoline and Lubricating Oils.
Claims use since Apr. 22, 1932.

Ser. No. 363,725. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 13, 1935.

Vaporlube

For Lubricating Oil.
Claims use since Jan. 18, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 363,188. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 29, 1935

Mobilwax

For Wax Composition for Polishing Automobiles, Furniture, and the Like.
Claims use since Mar. 1, 1934.

CLASS 17

Tobacco Products

Ser. No. 363,762. NILES & MOSER CIGAR COMPANY, Kansas City, Mo. Filed Apr. 15, 1935.

N AND M

For Cigars.
Claims use since March, 1929.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 362,620. HOSKINS MANUFACTURING COMPANY, Detroit, Mich. Filed Mar. 16, 1935.

Chromel

For Electric-Resistor Materials Such as Wire for Use in Electric Heating Devices, Like Toasters, Stoves, Etc.
Claims use since June 24, 1914.

Ser. No. 363,642. SIMPLEX WIRE & CABLE COMPANY, Cambridge, Mass. Filed Apr. 11, 1935.

HEXACORD

For Insulated Electrical Conducting Wire.
Claims use since Apr. 4, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 361,820. ROBERT ROSS & COMPANY, LIMITED, Southampton, England. Filed Feb. 25, 1935.



For Games—Namely, a Game Played with a Board, Dice, Model Yachts, Wind Top Indicator, and a Pack of Cards; Also a Game Played with a Board, Cards, and Aeroplane Counters; and Also a Game Played with a Board and Model Ships.
Claims use since June 16, 1934.

Ser. No. 363,481. VENA DEAN, Columbus, Ohio. Filed Apr. 5, 1935.

EU-KENO

No claim is made to the word "Keno" apart from the mark.
For Card Game Played with Playing Cards Arranged in a Given Order and Pasted or Otherwise Applied on a Board.
Claims use since Mar. 1, 1935.

Ser. No. 363,601. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Apr. 10, 1935.

JAN-KEN-PO

For Card Game.
Claims use since 1909.

Ser. No. 363,840. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 17, 1935.

AIRLINE EAGLE

For Sleds.
Claims use since Mar. 21, 1935.

Ser. No. 363,841. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 17, 1935.

AIRLINE SCOUT

For Sleds.
Claims use since Mar. 21, 1935.

Ser. No. 363,902. SILENT SALESMAN COMPANY, INCORPORATED, Indianapolis, Ind. Filed Apr. 17, 1935.

MOON

For Games of Chance Played with Tickets Having Answers Under Seal.
Claims use since Jan. 1, 1927.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 359,324. SOCIETE ANONYME DES ETABLISSEMENTS VERMOREL, Villefranche, France. Filed Dec. 14, 1934.

ÉCLAIR

For Machines and Apparatus Used in the Cultivation and Treatment of Vineyards, Flowers, Orchards and Cereals—to wit: Soil Pulverizers, Pumps, Sprayers, Machines and Apparatus for Distributing Insecticides, Harrows, Cultivators, Seeders, Weeding Machinery, and Fruit Dryers.
Claims use since 1894.

Ser. No. 362,387. TUTHILL PUMP COMPANY, Chicago, Ill. Filed Mar. 11, 1935.

FUELSTAT

For Oil Pumps.
Claims use since Feb. 22, 1935.

Ser. No. 363,867. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1935.

"FIRST LADY"

For Carpet Sweepers.
Claims use since January, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 362,508. S. F. BOWSER & COMPANY, INC., Fort Wayne, Ind. Filed Mar. 14, 1935.

XACTOMATIC

For Measuring and Dispensing Pumps and Meters for Oil and Gasoline and Other Liquids.
Claims use since Dec. 28, 1934.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 357,730. GOLD RECOVERY & REFINING CORP., New York, N. Y. Filed Oct. 31, 1934.

RHODANIZE

For Jewelry for Personal Wear, Not Including Watches, Goods of Precious Metals and Plated with Precious Metals—Namely, Knives, Forks, Spoons, Dishes, Plates, Pitchers, Candlesticks, Statuettes, and Loving Cups.
Claims use since Oct. 10, 1934.

Ser. No. 362,439. SARAH WEINSTEIN, New York, N. Y. Filed Mar. 13, 1935.

S.W

For Platinum Finger Rings, Earrings, Brooches, and Bracelets.
Claims use since December, 1934.

Ser. No. 363,641. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 11, 1935.

Lady Bernice

For Silver Plated Tableware.
Claims use since January, 1934.

CLASS 32

Furniture and Upholstery

Ser. No. 362,056. THE TOLEDO PORCELAIN ENAMEL PRODUCTS COMPANY, Toledo, Ohio. Filed Mar. 1, 1935.

TOLEDOHIO

For Metal Store Shelving, Metal Show Cases and Bins, Metal Tables and Stands, and Metal Racks for Merchandise.
Claims use since Jan. 10, 1935.

Ser. No. 363,577. BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Apr. 10, 1935.

"Studeodav"

For Studio Couches.
Claims use since Jan. 11, 1935.

CLASS 33

Glassware

Ser. No. 360,575. CATARACT-SHARPE MFG. CO., Buffalo, N. Y. Filed Jan. 23, 1935.

Sharpe Crystal

For Tableware, Such as Tumblers, Fingerbowls, Etc.; Flatware, Such as Relish Dishes, Celery Trays, Etc.; and Stemware, Such as Goblets, Etc.
Claims use since Sept. 1, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 363,719. RENU PARTS CORPORATION, Holland, Mich. Filed Apr. 13, 1935.

SCRAPEROIL

For Piston Rings.
Claims use since April, 1931.

CLASS 36

Musical Instruments and Supplies

Ser. No. 363,772. TONK BROS. CO., Chicago, Ill. Filed Apr. 15, 1935.

Lakeside

For Concertinas and Accordions, Their Casings, Fittings, and Parts.
Claims use since Feb. 21, 1934.

CLASS 37

Paper and Stationery

Ser. No. 348,628. C. E. BRADLEY CORPORATION, Brattleboro, Vt. Filed Mar. 15, 1934.



Trade-mark consists of a centrally disposed diagonal black band or stripe. No claim is made to the representation of the pen holder apart from the mark.
For Pen Holders.
Claims use since October, 1932.

Ser. No. 362,814. ALBERT T. ELLIAS, Detroit, Mich. Filed Mar. 21, 1935.

ETHERGRAM

For Blank Post Cards.
Claims use since Mar. 19, 1935.

CLASS 38
Prints and Publications

Ser. No. 361,834. ATLAS PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 26, 1935.

American WINE and LIQUOR RETAILER

For Periodical Publication.
Claims use since Jan. 1, 1935.

Ser. No. 362,866. BERNARD EDWARD CALLAHAN, Chicago, Ill. Filed Mar. 22, 1935.

Who's Who IN THE MAJOR LEAGUES

For Books Pertaining to Baseball Periodically Issued.
Claims use since Mar. 18, 1935.

CLASS 39
Clothing

Ser. No. 350,592. WALTER J. MUNRO, New York, N. Y. Filed Apr. 27, 1934.

BAB-ROBE

The word "Robe" is disclaimed apart from the mark as shown.
For Stroller Bag, i. e., a Bag Used to Wrap Children in Vehicles While the Children Are Taken Out of Doors for a Walk, and Sleeping Garment for Children, with a Detachable and Adjustable Hood.
Claims use since Apr. 24, 1934.

Ser. No. 350,593. WALTER J. MUNRO, New York, N. Y. Filed Apr. 27, 1934.

BYE-ROBE

The word "Robe" is disclaimed apart from the mark as shown.
For Stroller Bag, i. e., a Bag Used to Wrap Children in Vehicles While the Children Are Taken Out of Doors for a Walk, and Sleeping Garment for Children, with a Detachable and Adjustable Hood.
Claims use since Apr. 24, 1934.

Ser. No. 350,594. WALTER J. MUNRO, New York, N. Y. Filed Apr. 27, 1934.

STAROBE

The word "Robe" is disclaimed apart from the mark as as shown.
For Stroller Bag, i. e., a Bag Used to Wrap Children in Vehicles While the Children are Taken Out of Doors for a Walk, and Sleeping Garment for Children, with a Detachable and Adjustable Hood.
Claims use since Apr. 24, 1934.

Ser. No. 350,596. WALTER J. MUNRO, New York, N. Y. Filed Apr. 27, 1934.

ZE-ROBE

The word "Robe" is disclaimed apart from the mark as shown.
For Stroller Bag, i. e., a Bag Used to Wrap Children in Vehicles While the Children Are Taken Out of Doors for a Walk, and Sleeping Garment for Children, with a Detachable and Adjustable Hood.
Claims use since Apr. 24, 1934.

Ser. No. 358,806. JOE COHN, New York, N. Y. Filed Dec. 1, 1934.

MISS SIMPLICITY

For Ladies' Hats.
Claims use since Nov. 1, 1934.

Ser. No. 359,581. FRANCO CORSET COMPANY, New York, N. Y. Filed Dec. 22, 1934.

Dentelle-lastik

Applicant disclaims the word "Dentelle" except in the association shown.
For Corsets, Corselets and Girdles.
Claims use since Dec. 6, 1934.

Ser. No. 360,776. LOEWENSTEIN BROS. INC., New York, N. Y. Filed Jan. 28, 1935.

Royal Ruffs

The word "Ruffs" is disclaimed apart from the mark as shown.
For Ladies' Neckwear—Namely, Bibs, Bows, Vestees, Guimpes, Frills, and Ruffles of Mousseline de Soie or Organdy, and Cuffs.
Claims use since Dec. 13, 1934.

Ser. No. 360,780. LOEWENSTEIN BROS. INC., New York, N. Y. Filed Jan. 28, 1935.

Regal Ruffs

The word "Ruffs" is disclaimed apart from the mark.
For Ladies' Neckwear—Namely, Bibs, Bows, Vestees, Guimpes, Frills, and Ruffles of Mousseline de Soie or Organdy, and Cuffs.
Claims use since Dec. 13, 1934.

Ser. No. 361,167. HENRY GANS, INC., New York, N. Y. Filed Feb. 8, 1935.

"Missy Mrs."

No claim is made to the word "Missy" apart from the mark as shown.
For Women's and Misses' Dresses.
Claims use since Jan. 15, 1934.

Ser. No. 361,188. PROGRESSIVE COAT CO., INC., New York, N. Y. Filed Feb. 8, 1935.

GRANITE



For Men's Top Coats, Overcoats, Sport Coats, and Sport Suits
Claims use since July 27, 1934.

Ser. No. 361,643. WAMSUTTA MILLS, New Bedford, Mass. Filed Feb. 20, 1935.

SAXFORD

For Men's Negligee Shirts, Shorts for Outer Wear.
Claims use since Dec. 3, 1934.

Ser. No. 361,839. GEM-DANDY GARTER CO., Madison, N. C. Filed Feb. 26, 1935.

HEALTH-LASTIC

No claim is made for the word "Health" apart from the mark shown.
For Garters, Suspenders, Brassières, Girdles, and Hose Supporters.
Claims use since Mar. 1, 1932.

Ser. No. 361,978. WALTER K. MARKS, INC., New York, N. Y. Filed Feb. 28, 1935.

WATA-SHED

No claim is made to the expression "Wata Shed" apart from the mark as shown.
For Ladies' Hats.
Claims use since Aug. 1, 1934.

Ser. No. 362,196. STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed Mar. 6, 1935.

SWANTEX

For Gloves Made of Fabric.
Claims use since Feb. 23, 1935.

Ser. No. 362,220. BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 7, 1935.

AIR-STEP

Applicant is owner of T. M. Reg. No. 258,528.
For Men's, Women's, and Children's Shoes of Leather, Fabric, Compositions, and Combinations Thereof.
Claims use since Dec. 19, 1934.

Ser. No. 362,445. STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed Mar. 12, 1935.

TUBTEX

For Gloves Made of Fabric.
Claims use since Mar. 2, 1935.

Ser. No. 362,623. LEONORA SILK UNDERWEAR CO. INC., New York, N. Y. Filed Mar. 16, 1935.

"LADY LEONORA" sealdseams

For Silk Gowns, Slips, Panties, Pajamas, and Chemises.
Claims use since February, 1919.

Ser. No. 362,636. JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Mar. 16, 1935.



No claim is made to the words "Persian Skin Camel Hair" apart from the mark as shown.
For Men's Topcoats, Overcoats, and Suits.
Claims use since Feb. 1, 1935.

Ser. No. 362,663. BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 18, 1935.

AERO-LASTIC

For Men's, Women's, and Children's Shoes of Leather, Fabric, Compositions, and Combinations Thereof.
Claims use since Mar. 5, 1935.

Ser. No. 362,675. DRAPER HAT CORPORATION, New York, N. Y. Filed Mar. 18, 1935.

WELDON

For Ladies' Hats.
Claims use since February, 1935.

Ser. No. 362,781. THE H. W. GOSSARD CO., Chicago, Ill. Filed Mar. 20, 1935.

Pendu-Lift

For Brassières.
Claims use since Mar. 13, 1935.

Ser. No. 362,808. DEBWAY HATS, INC., New York, N. Y. Filed Mar. 21, 1935.

Limited Edition

For Ladies' Hats.
Claims use since January, 1934.

Ser. No. 362,825. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 21, 1935.

ENTRETISSÉE

For Hosiery.
Claims use since Dec. 31, 1934.

Ser. No. 362,966. H. LISSNER COMPANY, INC., New York, N. Y. Filed Mar. 25, 1935.

FIT-LOK

For Golf Knickers, Sport, Riding, and Golf Trousers, and Trousers.
Claims use since Mar. 15, 1935.

Ser. No. 362,998. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Mar. 26, 1935.

MELL-O-REST

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Mar. 19, 1935.

Ser. No. 363,056. NEO PED, INC., Jersey City, N. J. Filed Mar. 27, 1935.

ORTHEASE

For Shoes and Slippers for Men, Women, and Children Made out of Leather, Fabric, and Combinations Thereof.
Claims use since Mar. 10, 1935.

Ser. No. 363,102. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Mar. 28, 1935.



For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since Mar. 25, 1935.

Ser. No. 363,131. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn. Filed Mar. 28, 1935.

LIVELY LAD

For Dress Shirts.
Claims use since April, 1932.

Ser. No. 363,389. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Apr. 4, 1935.

FISK



For Heels Made Wholly or Partly of Rubber.
Claims use since Feb. 4, 1935.

Ser. No. 363,392. HANAN & SON, INC., New York, N. Y. Filed Apr. 4, 1935.

HANAN
TOUCHSTONE
MODELS

The word "Models" is disclaimed except in the association shown.
For Boots, Shoes, and Slippers of Leather and Fabric.
Claims use since Mar. 9, 1934.

Ser. No. 363,440. J. P. SMITH SHOE COMPANY, Chicago, Ill. Filed Apr. 5, 1935.

ARCH-SMITH

For Men's and Women's Leather Shoes.
Claims use since Jan. 23, 1935.

Ser. No. 363,461. KNEALE, INC., New York, N. Y. Filed Apr. 6, 1935.

Headgripper

For Hats, Particularly Ladies' and Children's Hats.
Claims use since March, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 339,341. AMERICAN RECORD CORPORATION, New York, N. Y. Filed June 29, 1933.

URALITE

For Buttons and Buckles Made of Urea Formaldehyde and Resins.
Claims use since June 14, 1933.

Ser. No. 360,585. FINKLER BROS., INC., Chicago, Ill. Filed Jan. 23, 1935.

Needle Queen

No claim is made to the word "Needle" apart from the mark shown.
For Stamped Pieces for Embroidery.
Claims use since Sept. 1, 1933.

Ser. No. 362,779. FREYDBERG BROS., INC., New York, N. Y. Filed Mar. 20, 1935.

Super

For Seam-Bindings.
Claims use since Sept. 1, 1914.

Ser. No. 362,782. SEYMOUR GRANAT, New York, N. Y. Filed Mar. 20, 1935.



The portrait is fanciful.
For Human Wigs and Wigs for Dolls and Manequins.
Claims use since Feb. 28, 1935

Ser. No. 363,150. AUTOMATIC PEARL BUTTON CO., Muscatine, Iowa. Filed Mar. 29, 1935.

PEARLITE

For Buttons Not Made of Precious Metals.
Claims use since Jan. 23, 1935

Ser. No. 363,199. BILTMORE TEXTILE COMPANY, INC., Providence, R. I. Filed Mar. 30, 1935.

CAPITAL

For Shoe Laces.
Claims use since Jan. 1, 1925.

Ser. No. 363,200. BILTMORE TEXTILE COMPANY, INC., Providence, R. I. Filed Mar. 30, 1935.

HAWKEYE

For Shoe Laces.
Claims use since Jan. 1, 1928.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 360,735. STRONG HEWAT & CO., INC., New York, N. Y. Filed Jan. 26, 1935.



No claim is made to the outline of the label nor to the representation of a bolt of cloth.
For Woolen-Piece Goods.
Claims use since Dec. 3, 1934.

Ser. No. 361,471. MARYLO MILLS, INC., New York, N. Y. Filed Feb. 16, 1935.

Creplo

For Cotton, Linen, Artificial and Natural Silk Goods, Plain, Colored, and Printed, in Pieces.
Claims use since August, 1934.

Ser. No. 361,821. SEA ISLAND MILLS, INC., New York, N. Y. Filed Feb. 25, 1935.



Applicant disclaims the words "Sea Island" apart from the mark shown.
For Cotton Broadcloth in the Piece.
Claims use since Feb. 15, 1935.

Ser. No. 362,621. HOWSE, MEAD & SONS, INC., New York, N. Y. Filed Mar. 16, 1935.

"TROPIDOR"

For Worsted Piece Goods.
Claims use since Sept. 1, 1930.

Ser. No. 363,041. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 27, 1935.

SUNSEEKER

For Piece Goods in Cotton, Wool, Silk, and Combinations Thereof.
Claims use since Jan. 29, 1935.

Ser. No. 363,161. CROWN FABRICS CORPORATION, New York, N. Y. Filed Mar. 29, 1935.

Tandem

For Cotton, Silk, and Rayon Fabrics in the Piece.
Claims use since Dec. 1, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 360,111. SEIBERLING LATEX PRODUCTS COMPANY, Akron and Barberton, Ohio. Filed Jan. 10, 1935.

HANG E HANG

No claim is made to the word "Hang" apart from the mark as shown.
For Hot Water Bottles, Fountain Syringes, and Combination Fountain Syringes and Hot Water Bottles.
Claims use since December, 1934.

Ser. No. 360,431. CLAY-ADAMS CO., INC., New York, N. Y. Filed Jan. 19, 1935.

Examilite

For Electrically Illuminated Examining Devices.
Claims use since Jan. 5, 1935.

Ser. No. 360,683. SEIBERLING LATEX PRODUCTS COMPANY, Akron and Barberton, Ohio. Filed Jan. 25, 1935.

AIR-FLO

For Hot Water Bottles, Fountain Syringes, and Combination Fountain Syringes and Hot Water Bottles.
Claims use since Jan. 1, 1935.

Ser. No. 361,534. THE NESTLE-LEMUR COMPANY, New York, N. Y. Filed Feb. 18, 1935.

Hyperoil

For Hair Waving Pads.
Claims use since Feb. 7, 1935.

Ser. No. 361,554. PHILIP H. ORDIN, doing business as Wavart Manufacturing Co., Los Angeles, Calif. Filed Feb. 18, 1935.

MONARCH

For Hair Drying, Hair Curling, and Hair Waving Machines and Apparatus.
Claims use since Sept. 15, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 360,886. W. S. HAESLER, Chicago, Ill. Filed Jan. 31, 1935.

"HOME-ADE"

For Non-Alcoholic Maltless Flavored Powder for Making Soft Drinks.
Claims use since Dec. 27, 1934

Ser. No. 362,517. CHARLES COOPER JAMES, New York, N. Y. Filed Mar. 14, 1935

Mexi-Kola

Applicant disclaims the word "Kola" apart from the mark as shown.
For Nonalcoholic, Noncereal, Maltless Beverage, Sold as a Soft Drink, Syrup and Extract for Making the Same.
Claims use since July 1, 1934

Ser. No. 363,562. JOHN C. MORGAN CO., INC., Traverse City, Mich. Filed Apr. 9, 1935. Under 10-year proviso

"Morgan"

For Cider.
Claims use since 1878.

Ser. No. 363,977. J. F. LAZIER MANUFACTURING CO., INC., St. Louis, Mo. Filed Apr. 19, 1935.

NATURAL SET UP

For Nonalcoholic Maltless Extracts and Concentrated Fruit Syrups Used in the Preparation of Soft Drinks, Particularly for Lemon Beverage.
Claims use since Oct. 15, 1934

CLASS 46

Foods and Ingredients of Foods

Ser. No. 348,868. CANDY-CRAFTERS, INC., Lansdowne, Pa. Filed Mar. 20, 1934.



Trade-mark consists of a bag or wrapper having a blue band or stripe at its bottom and similarly colored projecting ears at its top. No claim is made to the representation of the candy within the wrapper nor to the representation of the wrapper per se except in the particular form and color shown.
For Candy.
Claims use since Sept. 20, 1933.

Ser. No. 354,208. KIENZLER COMPANY, INC., New York N. Y. Filed July 23, 1934.

"GARIBALDI"



Trade mark consists of the word "Garibaldi" and the picture of the historical character of that name.
For Olive Oil.
Claims use since Oct. 1, 1903.

Ser. No. 356,038. E. L. BARR, doing business as Barr Packing Co., Sanger, Calif. Filed Sept. 17, 1934.



Applicant is the owner of registration 94,280 issued to the Fresno Fruit Growers Co.
For Fresh Deciduous Fruits.
Claims use since May 1, 1912.

Ser. No. 359,609. BAY CITY MILLING COMPANY, Bay City, Mich. Filed Dec. 24, 1934.

TRUEWORTH

For Canned Pork and Beans, Canned Corn, Canned Tomatoes, Canned Sauer Kraut, Canned Spaghetti, Canned Peas, Canned Milk, Canned Noodles, Canned Vegetable Soup, and Canned Chocolate Syrup (for Food Purposes).
Claims use since December, 1930.

Ser. No. 360,360. HONEYMEAD PRODUCTS COMPANY, Cedar Rapids, Iowa. Filed Jan. 17, 1935.

Honeymead

For Corn Sugar Molasses Used as a Live Stock Feed.
Claims use since July, 1934.

Ser. No. 360,508. THE WEIDEMAN CO., Cleveland, Ohio. Filed Jan. 21, 1935.

SanMarto



For Coffee.
Claims use since Jan. 10, 1911.

Ser. No. 360,901. PACIFIC FRUIT & PRODUCE COMPANY, Seattle, Wash. Filed Jan. 31, 1935.

SNOMAID

For Fresh Deciduous Fruits.
Claims use since Dec. 6, 1934.

Ser. No. 361,851. SALE AND COMPANY, LIMITED, Tokyo, Japan. Filed Feb. 26, 1935.



For Canned and Preserved Beef and Pork and Fowl; Canned Fish, Canned Tuna Fish, Canned Salmon, Canned Crabs, and Crab Meat, Canned Lobster and Lobster Meat, Canned Shell Fish; Canned Chicken and Turkey; Smoked, Dried, and Salted Fish; Condensed Milk, Dried Milk, Butter, and Cheese; Canned Mushrooms, Canned Oranges, Canned Peaches, Canned Pears, Canned Sliced Pineapple, Canned Strawberries, Canned Figs, Canned Cherries, and Canned Loquats; Orange-, Fig-, Apricot-, Peach-, Pear-, Mellon-, Strawberry-, Cherry-Apple Jams and Jellies; Salad Dressing, Mayonnaise, Tomato Catsup, Chili Sauce, Tomato Puree and Canned and Dried Vegetables.
Claims use since September, 1929.

Ser. No. 362,310. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii, and San Francisco, Calif. Filed Mar. 9, 1935.



The drawing is lined for blue and green. No claim is made to the representation of a label.
For Canned Fruits, Canned Fruit Juices for Food Purposes.
Claims use since June 23, 1934.

Ser. No. 362,519. CHARLES S. LEIBER, doing business as London Pecan Company, Hot Springs, Ark. Filed Mar. 14, 1935.

"FOR MEN ONLY"

For Candy in Packages and in Bulk.
Claims use since Oct. 1, 1933.

Ser. No. 362,616. GROWERS PRODUCE DISPATCH, Salinas, Calif. Filed Mar. 16, 1935.



No claim is made to the representation of the package or crate apart from the other features of the mark.
For Fresh Vegetables.
Claims use since March, 1932.

Ser. No. 362,617. GROWERS PRODUCE DISPATCH, Salinas, Calif. Filed Mar. 16, 1935.



No claim is made to the representation of the package or crate apart from the other features of the mark.
For Fresh Vegetables.
Claims use since October, 1934.

Ser. No. 362,659. BATTLE CREEK NATURAL PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 18, 1935.

BAL-O-MIN

For Vegetable Concentrates—Namely, Kelp and a Preparation of Kelp and Malt, Adapted for Use as Seasonings for Food.
Claims use since October, 1934.

Ser. No. 362,914. DILLING & COMPANY, Indianapolis, Ind. Filed Mar. 23, 1935.



For Candy.
Claims use since Mar. 7, 1935.

Ser. No. 362,979. STROHMEYER & ARPE COMPANY, New York, N. Y. Filed Mar. 25, 1935.

PEER-AMID BOTTLES

No claim is made to the word "Bottles" apart from the mark.
For Olive Oil.
Claims use since Feb. 6, 1935.

Ser. No. 363,094. FOODLAND, INC., Cleveland, Ohio. Filed Mar. 28, 1935.

FOODLAND

For Wheat Flour, Coffee, Evaporated Milk, Tomato Catsup, Spices, Canned Fruits and Vegetables, Canned Salmon.
Claims use since January, 1934.

Ser. No. 363,173. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1935.

HARVEST SUN

For Wheat Flour.
Claims use since Mar. 20, 1935.

Ser. No. 363,221. C. D. KENNY COMPANY, Baltimore, Md. Filed Mar. 30, 1935.



The drawing is lined for blue, red, and yellow.
For Coffee.
Claims use since Feb. 1, 1935.

Ser. No. 363,225. MESSING BAKERIES INCORPORATED, Brooklyn, N. Y. Filed Mar. 30, 1935.

PUMPER-SYLLIUM

The word "Psyllium" is disclaimed apart from the mark as shown.
For Bread.
Claims use since Mar. 15, 1935.

Ser. No. 363,469. CLEOPHAS J. RAWLINS, doing business as Granda & Rawlins and as Ceynola Tea Company, Philadelphia, Pa. Filed Apr. 6, 1935.

CEYNOLA

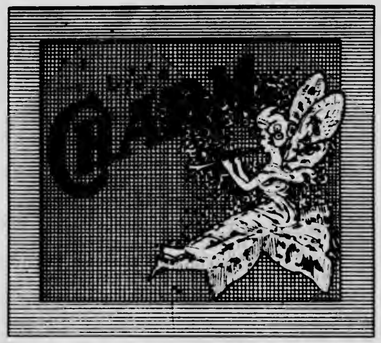
For Tea and Coffee.
Claims use since Mar. 1, 1913.

Ser. No. 363,712. CHARLES E. MCMANUS, doing business as Spring Hills Farm, Cockeysville, Md. Filed Apr. 13, 1935.

VITA-GOLD

For Eggs.
Claims use since Mar. 1, 1935.

Ser. No. 363,751. SAM. E. FUSCO, doing business as S. E. Fusco Fruit Co., Los Angeles, Calif. Filed Apr. 15, 1935.



The drawing is lined for black and blue. No claim is made to the representation of a label.
For Fresh Citrus Fruits, Fresh Deciduous Fruits, and Fresh Vegetables.
Claims use since Sept. 24, 1925.

Ser. No. 363,754. GENERAL FOOD PRODUCTS CO., Los Angeles, Calif. Filed Apr. 15, 1935.

SLEEPY HOLLOW

For Table-syrup, Jellies, and Peanut Butter.
Claims use since Nov. 11, 1919.

Ser. No. 363,795. A. M. BEEBE, doing business as A. M. Beebe Company, San Francisco, Calif. Filed Apr. 16, 1935.



For Canned Fruits, Canned Vegetables.
Claims use since Aug. 22, 1934.

Ser. No. 363,937. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Apr. 18, 1935.

PERT

For Canned Peas.
Claims use since Apr. 8, 1935.

CLASS 47

Wines

Ser. No. 363,475. WIDMER'S WINE CELLARS, INC., Naples, N. Y. Filed Apr. 6, 1935.

VINE CITY

The drawing is lined for red.
For Wines, as follows: Burgundy, Claret, Dry Sauterne, Haute Sauterne, Muscatel, Port, Sherry, Sweet Catawba, Tokay.
Claims use since Feb. 1, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 358,434. FRONTENAC BREWERIES, LIMITED, Montreal, Quebec, Canada. Filed Nov. 20, 1934.

EXPORT ALE

FRONTENAC INDIA PALE EXPORT ALE

No claim is made to any notations with the exception of the name of applicant, nor to the representations of the labels per se.
For Ale and Beer.
Claims use since 1920.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 1,276 (Inter-American Series). ISIDORO JAUREGUIZAR Y GOYENA, Habana, Cuba. Filed Mar. 22, 1934. Under General Inter-American Convention for Trade-Mark and Commercial Protection of 1929.



For Rum.
Said trade-mark has been registered in Cuba, No. 50,376, dated May 13, 1931, on an application filed May 7, 1929. No claim is made to the words "Non Plus Ultra", "Ron", "Marca Registrada", and "Cuba" apart from the mark shown.

Ser. No. 1,277 (Inter-American Series). ISIDORO JAUREGUIZAR Y GOYENA, Habana, Cuba. Filed Apr. 2, 1934. Under General Inter-American Convention for Trade-Mark and Commercial Protection of 1929.

"HORMAZA"

For Liquors and Creams: Whiskey, Brandy, Rum, Cognac, and Alcoholic Cordials.
Said trade-mark has been registered in Cuba, No. 32,117, dated Sept. 18, 1931, on an application filed Nov. 10, 1915. (Renewal).

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 362,648. BESSIE L. WOODS, Chicago, Ill. Filed Mar. 16, 1935.

TUB-JOY

For Rubber Bath Sponges.
Claims use since Jan. 15, 1935.

Ser. No. 363,190. E. A. SWEET COMPANY, INC., Binghamton, N. Y. Filed Mar. 29, 1935.



The words "Leather-Craft" are not claimed except in the association shown.
For Amusement and Educational Kits Consisting of Pieces of Leather or Other Material, a Cutting Block, Cutting Patterns, Cutting Tools, and Instruction Booklet, Sold as a Unit for Making Various Articles.
Claims use since Mar. 1, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 28, 1935

324,641. PHYSIOTHERAPY AND SHORT WAVE DIATHERMIC MACHINES. ADLANCO X-RAY CORPORATION, New York, N. Y.
Filed January 5, 1935. Serial No. 359,937. PUBLISHED MARCH 19, 1935. Class 44.

324,642. PREPARATION FOR THE PREVENTION AND RELIEF OF SINUSITIS, COLDS, CATARRH, HAY, AND ROSE FEVER, NASAL, THROAT, AND EYE INFECTIONS. HORACE LINCOLN DAY, Greenwich, Conn.
Filed January 4, 1935. Serial No. 359,908. PUBLISHED MARCH 12, 1935. Class 6.

324,643. BLANK BOOKS HAVING PERMANENTLY BOUND LEAVES. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass.
Filed January 2, 1935. Serial No. 359,872. PUBLISHED MARCH 19, 1935. Class 37.

324,644. METAL CONDUITS, LIQUID CONTROL VALVES, PIPES, AND PIPE FITTINGS. RAY BURNER COMPANY, San Francisco, Calif.
Filed January 2, 1935. Serial No. 359,860. PUBLISHED MARCH 19, 1935. Class 13

324,645. PREPARATION TO AID DIGESTION. PHARMACO PRODUCTS CO., Sacramento, Calif.
Filed January 2, 1935. Serial No. 359,858. PUBLISHED MARCH 19, 1935. Class 6.

324,646. CROCHET COTTON. LILY MILLS COMPANY, Shelby, N. C.
Filed January 2, 1935. Serial No. 359,854. PUBLISHED MARCH 5, 1935. Class 43.

324,647. TOY FIGURES AND TOY DISHES. GEO. BORGFELDT CORPORATION, New York, N. Y.
Filed December 31, 1934. Serial No. 359,775. PUBLISHED MARCH 19, 1935. Class 22.

324,648. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF EPIDERMOPHYTOSIS, GOLFERS' ITCH, GYM FOOT, ATHLETE'S FOOT, RINGWORM, ITCHING FEET AND TOES, ECZEMA OF THE FEET, AND OTHER SKIN AILMENTS. ZIP SALES CORPORATION OF NEW YORK, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.
Filed December 29, 1934. Serial No. 359,761. PUBLISHED FEBRUARY 26, 1935. Class 6.

324,649. COMBINATION SOUVENIR CARD AND HIGHWAY MAP. GULF REFINING COMPANY, Pittsburgh, Pa.
Filed December 26, 1934. Serial No. 359,657. PUBLISHED MARCH 19, 1935. Class 38

324,650. PLATINUM AND GOLD JEWELRY, FOR PERSONAL WEAR, NOT INCLUDING WATCHES. D'AMICO & CHUDNER, INC., New York, N. Y.
Filed December 22, 1934. Serial No. 359,574. PUBLISHED MARCH 19, 1935. Class 28.

324,651. COTTON AND RAYON TEXTILE FABRICS IN THE PIECE. ALFRED L. HELWITH & CO., INC., New York, N. Y.
Filed December 21, 1934. Serial No. 359,548. PUBLISHED MARCH 12, 1935. Class 42.

324,652. LIQUID PERFUMES, TALCUM POWDER, AND BATH SALTS. YARDLEY & CO., LIMITED, London, England.
Filed December 20, 1934. Serial No. 359,529. PUBLISHED MARCH 12, 1935. Class 6.

324,653. HOSIERY. COOPER, WELLS & COMPANY, St. Joseph, Mich.
Filed December 20, 1934. Serial No. 359,510. PUBLISHED MARCH 19, 1935. Class 39

324,654. YERBA-MATE TEA USED AS A FOOD BEVERAGE. NELSON A. FRAZAR, doing business as Potango Ltd., Los Angeles, Calif.
Filed December 18, 1934. Serial No. 359,420. PUBLISHED MARCH 19, 1935. Class 46.

324,655. PREPARATION FOR THE TREATMENT OF SICK STOMACH, HALITOSIS, INSOMNIA, AND BRONCHIAL TROUBLES. BRUCKNER CHEMICALS, Dallas, Tex.
Filed December 10, 1934. Serial No. 359,122. PUBLISHED MARCH 12, 1935. Class 6.

324,656. KNITTED AND WOVEN PIECE GOODS OF COTTON AND WOOL. STANDARD ROMPER CO., INC., New York, N. Y.
Filed December 7, 1934. Serial No. 359,057. PUBLISHED MARCH 12, 1935. Class 42.

324,657. MONTHLY PUBLICATION. PICTORIAL REVIEW PATTERN COMPANY, INC., New York, N. Y.
Filed December 6, 1934. Serial No. 358,999. PUBLISHED MARCH 19, 1935. Class 38.

324,658. HOSIERY. CHAS CHIPMAN'S SONS CO. INC., New York, N. Y.
Filed December 6, 1934. Serial No. 358,966. PUBLISHED MARCH 19, 1935. Class 39.

324,659. WOMEN'S PAJAMAS. VAN RAALTE COMPANY, New York, N. Y.
Filed December 5, 1934. Serial No. 358,959. PUBLISHED MARCH 19, 1935. Class 39

324,660. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed January 19, 1935. Serial No. 360,438. PUBLISHED MARCH 12, 1935. Class 42

324,661. TONIC PREPARATION FOR SUPPLYING ORGANIC SEA MINERALS IN READILY ASSIMILABLE FORM. J. H. TUVIN, doing business as Kelp-A-Malt Laboratories, New York, N. Y., assignor to John M. Bair, New York, N. Y., doing business as The Kelpamalt Co., New York, N. Y.
Filed May 23, 1933. Serial No. 338,171. PUBLISHED JULY 25, 1933. Class 6.

324,662. WALL PAPER CLEANER. THE CLEVELAND CLEANER AND PASTE COMPANY, Cleveland, Ohio.
Filed January 19, 1935. Serial No. 360,432. PUBLISHED MARCH 12, 1935. Class 4.

324,663. SHEETS AND PILLOW CASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed January 18, 1935. Serial No. 360,386. PUBLISHED MARCH 19, 1935. Class 42.

324,664. LADIES' DRESSES. WELLESLEY MODES, INC., New York, N. Y.
Filed November 30, 1934. Serial No. 358,797. PUBLISHED MARCH 19, 1935. Class 39.

324,665. ICE CREAM. THE ISALY DAIRY COMPANY, Youngstown, Ohio.
Filed January 16, 1935. Serial No. 360,388. PUBLISHED MARCH 19, 1935. Class 46.

324,666. MEDICINAL TEA FOR USE IN CONNECTION WITH THE TREATMENT OF STOMACH, BLOOD, KIDNEY, AND NERVE DISORDERS OR DISTURBANCES. CALIFORNIA TEA COMPANY, Fresno, Calif.
Filed January 5, 1935. Serial No. 359,942. PUBLISHED MARCH 19, 1935. Class 6.

324,667. WINES. SCHENLEY IMPORT CORPORATION, New York, N. Y.
Filed January 17, 1935. Serial No. 360,379. PUBLISHED MARCH 19, 1935. Class 47.

324,668. MONTHLY MAGAZINE. THE COLLEGIATE WORLD PUBLISHING COMPANY, Chicago, Ill.
Filed August 1, 1924. Serial No. 200,809. PUBLISHED SEPTEMBER 23, 1924. Class 38.

324,669. TEA. RIDGWAYS, INC., New York, N. Y.
Filed January 17, 1935. Serial No. 360,374. PUBLISHED MARCH 19, 1935. Class 46.

324,670. FINGER NAIL POLISH. MARION LAMBERT, INC., St. Louis, Mo.
Filed January 17, 1935. Serial No. 360,363. PUBLISHED MARCH 12, 1935. Class 6.

324,671. PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, NEURALGIA, MUSCULAR ACHES, PAINS, AND SORENESS. JUSTIS HAYNES & CO., INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,313. PUBLISHED MARCH 12, 1935. Class 6.

324,672. NEWSPAPER COLUMN. PAUL CONRAD, Millville, Fla.
Filed February 1, 1935. Serial No. 360,926. PUBLISHED MARCH 19, 1935. Class 38.

324,673. CLEANER FOR GARMENTS, RUGS, UPHOLSTERY, AND THE LIKE, AND ALSO FOR USE AS A GENERAL HOUSEHOLD CLEANSER. THE SUNBEAM SPECIALTY COMPANY, doing business as Sunbeam Laboratories, Cleveland, Ohio.
Filed January 31, 1935. Serial No. 360,913. PUBLISHED MARCH 12, 1935. Class 4.

324,674. WINES. SHEWAN-JONES, INC., San Francisco, Calif.
Filed January 31, 1935. Serial No. 360,911. PUBLISHED MARCH 19, 1935. Class 47.

324,675. GASOLINE, KEROSENE, AND DISTILLATES. THE SECURITY OIL COMPANY, Wichita, Kans.
Filed January 31, 1935. Serial No. 360,909. PUBLISHED MARCH 19, 1935. Class 15.

324,676. BOND, WRITING, AND LEDGER PAPER. HAMMERMILL PAPER COMPANY, Erie, Pa.
Filed January 31, 1935. Serial No. 360,888. PUBLISHED MARCH 19, 1935. Class 37.

324,677. MEDICINAL PREPARATIONS RECOMMENDED FOR THE TREATMENT OF DISORDERS OF THE STOMACH AND DIGESTIVE ORGANS; GENITO-URINARY ANTISEPTICS; ETC. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 30, 1935. Serial No. 360,858. PUBLISHED MARCH 19, 1935. Class 6

324,678. FLAT GLASS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed January 30, 1935. Serial No. 360,857. PUBLISHED MARCH 19, 1935. Class 33

324,679. SKIN LOTION. SUPERIOR PRODUCTS COMPANY, doing business as S P Laboratories, Dallas, Tex.
Filed January 28, 1935. Serial No. 360,808. PUBLISHED MARCH 12, 1935. Class 6

324,680. LUBRICATING OILS AND LUBRICATING GREASES. SOUTHWESTERN PETROLEUM COMPANY, INC., Fort Worth, Tex.
Filed January 28, 1935. Serial No. 360,804. PUBLISHED MARCH 19, 1935. Class 15

324,681. LUBRICATING OILS AND LUBRICATING GREASES. SOUTHWESTERN PETROLEUM COMPANY, INC., Fort Worth, Tex.
Filed January 28, 1935. Serial No. 360,803. PUBLISHED MARCH 19, 1935. Class 15.

324,682. WINES. PADRE VINEYARD CO., doing business as Val Bros. and California Medicinal Wine Co., Los Angeles, Calif.
Filed January 28, 1935. Serial No. 360,785. PUBLISHED MARCH 19, 1935. Class 47.

324,683. WINES. PADRE VINEYARD CO., doing business as Val Bros. and California Medicinal Wine Co., Los Angeles, Calif.
Filed January 28, 1935. Serial No. 360,784. PUBLISHED MARCH 19, 1935. Class 47.

324,684. BREAD. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill.
Filed January 28, 1935. Serial No. 360,781. PUBLISHED MARCH 19, 1935. Class 46.

324,685. FINGER RINGS. JOSEPH GRANAT, San Francisco, Calif.
Filed January 28, 1935. Serial No. 360,772. PUBLISHED MARCH 19, 1935. Class 28.

324,686. PAJAMAS AND NIGHT ROBES FOR MEN, WOMEN, AND CHILDREN. THE B. V. D. COMPANY, INC., Baltimore, Md.
Filed January 28, 1935. Serial No. 360,750. PUBLISHED MARCH 19, 1935. Class 39.

324,687. REFRACTORY BRICK. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo.
Filed January 26, 1935. Serial No. 360,719. PUBLISHED MARCH 19, 1935. Class 12.

324,688. RUBBER ERASERS. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia.
Filed January 26, 1935. Serial No. 360,718. PUBLISHED MARCH 19, 1935. Class 37.

324,689. SLIDE FASTENERS. CONMAR PRODUCTS CORPORATION, New York, N. Y.
Filed January 25, 1935. Serial No. 360,665. PUBLISHED MARCH 19, 1935. Class 13.

324,690. GUMMED PAPER TAPE. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va.
Filed January 24, 1935. Serial No. 360,658. PUBLISHED MARCH 19, 1935. Class 37.

324,691. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. KARPAS-LEITERMAN CORPORATION, New York, N. Y.
Filed January 7, 1935. Serial No. 359,993. PUBLISHED MARCH 19, 1935. Class 39.

324,692. RUBBER HEELS. AUBURN RUBBER CORPORATION, Auburn, Ind.
Filed January 16, 1935. Serial No. 360,305. PUBLISHED MARCH 19, 1935. Class 39.

324,693. MEDICATED PREPARATION FOR THE TREATMENT OF THE TEETH AND MOUTH, MEDICINAL MOUTH WASH, DENTIFRICE, AND ANTISEPTIC. VINCE LABORATORIES, INC., New York, N. Y.
Filed January 15, 1935. Serial No. 360,298. PUBLISHED MARCH 12, 1935. Class 6.

324,694. ANTI-FREEZING LIQUID. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 15, 1935. Serial No. 360,294. PUBLISHED MARCH 12, 1935. Class 6.

324,695. PREPARATION FOR USE IN THE TREATMENT OF CARDIAC CONDITIONS. THE GRISARD LABORATORIES, INCORPORATED, Winchester, Tenn.
Filed January 15, 1935. Serial No. 360,272. PUBLISHED MARCH 12, 1935. Class 6.

324,696. BREAD, ROLLS, CAKE, PIES, PASTRY. COLE BAKING COMPANY, Bluefield, W. Va., assignor to Quality Bakers of America, Inc., New York, N. Y., a corporation of Delaware.
Filed January 15, 1935. Serial No. 360,266. PUBLISHED MARCH 19, 1935. Class 46.

324,697. FILES. ALBERT O. BARNES, Anderson, Ind.
Filed January 15, 1935. Serial No. 360,265. PUBLISHED MARCH 19, 1935. Class 23.

324,698. PAINTS, EITHER DRY, PASTE, OR IN READY MIXED FORM, VARNISHES AND STAINS. W. R. WINSLOW CO., doing business as Potomac Paint Co., Washington, D. C.
Filed September 8, 1932. Serial No. 339,186. PUBLISHED MARCH 19, 1935. Class 16.

324,699. TOILET SOAP. ENSEMBLE MANUFACTURING COMPANY, Washington, D. C.
Filed January 27, 1934. Serial No. 346,633. PUBLISHED MARCH 19, 1935. Class 4.

324,700. WORK GLOVES OF FABRIC AND COMBINED FABRIC AND LEATHER. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn.
Filed January 20, 1934. Serial No. 346,333. PUBLISHED MARCH 19, 1935. Class 39.

324,701. WOMEN'S AND CHILDREN'S HATS AND CAPS. SAMUEL SCHEUER, New York, N. Y.
Filed January 20, 1934. Serial No. 346,325. PUBLISHED APRIL 24, 1934. Class 39.

324,702. WORK GLOVES OF FABRIC AND COMBINED FABRIC AND LEATHER. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn.
Filed January 19, 1934. Serial No. 346,269. PUBLISHED MARCH 12, 1935. Class 39.

324,703. WINES. LEOPOLD DAVID & CO., A. G., Hamburg, Germany.
Filed December 27, 1933. Serial No. 345,379. PUBLISHED MARCH 19, 1935. Class 47.

324,704. WHISKEY AND OTHER POTABLE DISTILLED SPIRITS. SCHENLEY PRODUCTS COMPANY, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., a corporation of Indiana.
Filed December 15, 1933. Serial No. 344,980. PUBLISHED FEBRUARY 6, 1934. Class 49.

324,705. COSMETICS—NAMELY, COMPOSITIONS FOR STIMULATING THE GROWTH OF NATURAL HAIR, HAIR GLOSS FOR STRAIGHTENING AND PRESSING KINKY HAIR, ETC. SIMPLEX PRODUCTS CO., INC., Newark, N. J.
Filed August 16, 1933. Serial No. 340,735. PUBLISHED MARCH 19, 1935. Class 6.

324,706. PREPARATION FOR PREVENTING RUNS IN HOSIERY. THE TEXTILIFE CORPORATION, Baltimore, Md., and Philadelphia, Pa.
Filed January 14, 1935. Serial No. 360,250. PUBLISHED MARCH 19, 1935. Class 6.

324,707. CONTRACTORS' SHOVELS, HAMMERS, HATCHETS, AXES, DRAWING KNIVES, CARPENTERS' PINCERS, PLANES, SCREW DRIVERS, HAND DRILLS, WRECKING BARS, BIT BRACES, AUGER BITS, CHISELS, PLIERS, WRENCHES, AND TINNERS' SNIPS. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky.
Filed January 14, 1935. Serial No. 360,204. PUBLISHED MARCH 19, 1935. Class 23.

324,708. DEPILATORY. HEIRLOOM PRODUCTS COMPANY, Pittsburgh, Pa.
Filed January 12, 1935. Serial No. 360,173. PUBLISHED MARCH 19, 1935. Class 6.

324,709. MACARONI AND OTHER ALIMENTARY PASTE PRODUCTS. WEST VIRGINIA MACARONI COMPANY, Clarksburg, W. Va.
Filed January 11, 1935. Serial No. 360,154. PUBLISHED MARCH 19, 1935. Class 46.

324,710. COMPLETELY DENATURED ETHANOL FOR INDUSTRIAL AND ANTI-FREEZE USES. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed January 11, 1935. Serial No. 360,129. PUBLISHED MARCH 19, 1935. Class 6.

324,711. MEN'S, WOMEN'S, AND CHILDREN'S INNER AND OUTER GARMENTS—NAMELY, SUITS, OVERCOATS, DRESS AND NEGLIGEE SHIRTS, UNDERWEAR, HOSIERY, DRESSES, AND FROCKS. SAMUEL SCHLOSSMAN & SONS, INC., New York, N. Y.
Filed January 10, 1935. Serial No. 360,110. PUBLISHED MARCH 19, 1935. Class 39.

324,712. GLASS AND METAL POLISH. JOSEPH P. ROSENLICHT, Brooklyn, N. Y.
Filed January 9, 1935. Serial No. 360,078. PUBLISHED MARCH 19, 1935. Class 4.

324,713. NITRATE OF AMMONIA BLASTING AGENT, WHICH IN CARTRIDGE FORM OR BAGS, IS DETONATED BY THE USE OF A BOOSTER OF HIGH EXPLOSIVES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed February 12, 1935. Serial No. 361,308. PUBLISHED MARCH 19, 1935. Class 9.

324,714. STILTS, STILT STEPS, AND SUPPORTS. CRANE PACKING COMPANY, Chicago, Ill.
Filed February 11, 1935. Serial No. 361,258. PUBLISHED MARCH 19, 1935. Class 22.

324,715. CANNED VEGETABLES. CALIFORNIA PEA PRODUCTS, INC., Fullerton, Calif.
Filed February 11, 1935. Serial No. 361,254. PUBLISHED MARCH 19, 1935. Class 46.

324,716. NON-ALCOHOLIC, NON CEREAL-MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS AND CONCENTRATES FOR MAKING THE SAME. SALIENT FLAVORING CORP., New York, N. Y.
Filed February 9, 1935. Serial No. 361,219. PUBLISHED MARCH 19, 1935. Class 45.

324,717. ROLLER SKATES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed February 8, 1935. Serial No. 361,165. PUBLISHED MARCH 19, 1935. Class 22.

324,718. CARD GAME. T. G. PORTER (PRINTERS) LIMITED, Leeds, England.
Filed February 7, 1935. Serial No. 361,148. PUBLISHED MARCH 19, 1935. Class 22.

324,719. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed February 5, 1935. Serial No. 361,046. PUBLISHED MARCH 12, 1935. Class 42.

324,720. ASBESTOS CEMENT BOARDS, COMPOSITION BOARDS, WALL BOARDS, AND ASBESTOS MILL BOARDS. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed January 28, 1935. Serial No. 360,592. PUBLISHED MARCH 19, 1935. Class 12.

324,721. SHAVING BRUSHES. TREET SAFETY RAZOR CORPORATION, Newark, N. J.
Filed January 24, 1935. Serial No. 360,650. PUBLISHED MARCH 19, 1935. Class 29.

324,722. PERIODICAL PUBLICATIONS. DELTA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed January 23, 1935. Serial No. 360,581. PUBLISHED MARCH 19, 1935. Class 38.

324,723. CASEIN PAINTS AND CALCIMINES. I. F. LAUCKS, INC., Seattle, Wash.
Filed January 22, 1935. Serial No. 360,542. PUBLISHED MARCH 19, 1935. Class 16.

324,724. ORANGE BITTERS. JOHN WAGNER & SONS, Philadelphia, Pa.
Filed January 21, 1935. Serial No. 360,507. PUBLISHED MARCH 12, 1935. Class 6.

324,725. WINES. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md.
Filed January 21, 1935. Serial No. 360,500. PUBLISHED MARCH 19, 1935. Class 47.

324,726. WHISKEY. INTERSTATE DISTILLERS, INC., Baltimore, Md.
Filed May 1, 1934. Serial No. 350,763. PUBLISHED JULY 17, 1934. Class 49.

324,727. CONFECTIONERY—NAMELY, CHOCOLATE. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa.
Filed April 13, 1934. Serial No. 349,930. PUBLISHED MARCH 19, 1935. Class 46.

324,728. PISTON CASTINGS IN THE ROUGH COMPOSED LARGELY OF NON-FERROUS METALS. BOHN ALUMINUM & BRASS CORPORATION, Detroit, Mich.
Filed October 27, 1934. Serial No. 357,589. PUBLISHED MARCH 19, 1935. Class 14.

324,729. TOWELS. THE MANHATTAN SHIRT CO., New York, N. Y.
Filed October 11, 1934. Serial No. 357,016. PUBLISHED MARCH 19, 1935. Class 42.

324,730. HALIBUT-LIVER OIL. ALBERT E. MALLARD, Detroit, Mich.
Filed March 20, 1934. Serial No. 348,886. PUBLISHED MAY 1, 1934. Class 6.

324,731. WASHING PREPARATION HAVING INCIDENTAL BLEACHING PROPERTIES. HENKEL & CIE. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Dusseldorf-Holthausen, Germany.
Filed March 10, 1934. Serial No. 348,439. PUBLISHED MARCH 19, 1935. Class 4.

324,732. LIGHTING GLOBE FIXTURES AND MORE PARTICULARLY DESCRIBED AS AN OPAL GLASS GLOBE GENERALLY USED OVER A FIXTURE CONTAINING AN INCANDESCENT BULB SOCKET, AND BULB. MEYER CHERNIAK, New York, N. Y.
Filed March 24, 1934. Serial No. 349,069. PUBLISHED AUGUST 28, 1934. Class 33.

324,733. LOTION FOR ATHLETE'S FOOT DISEASE. ORTENCIA SOPHIA CLAYTON, Alexandria, Va.
Filed February 5, 1935. Serial No. 361,040. PUBLISHED MARCH 12, 1935. Class 6.

324,734. WOODEN AND UPHOLSTERED HOUSEHOLD AND OFFICE FURNITURE HAVING AN IMITATION ANTIQUE FINISH, ETC. BAKER FURNITURE FACTORIES, INC., Grand Rapids, Mich.
Filed January 31, 1934. Serial No. 346,760. PUBLISHED MARCH 19, 1935. Class 32.

324,735. MEN'S AND WOMEN'S SWIM SUITS, SWIMMING TRUNKS, AND SWEATERS. PACIFIC KNITTING MILLS, Los Angeles, Calif.
Filed February 4, 1935. Serial No. 361,024. PUBLISHED MARCH 19, 1935. Class 39.

324,736. HAIR GROWER PREPARATION. ETHEL P. FRIERSON, Columbia, S. C.
Filed February 4, 1935. Serial No. 361,007. PUBLISHED MARCH 19, 1935. Class 6.

324,737. PUBLICATION PUBLISHED PERIODICALLY. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 4, 1935. Serial No. 360,998. PUBLISHED MARCH 19, 1935. Class 38.

324,738. FOUNDATION GARMENTS FOR WOMEN, TO WIT, CORSETS, COMBINATION CORSET BRASSIÈRES, GIRDLES, BRASSIÈRES, AND BANDEAUX. CHARIS CORPORATION, Allentown, Pa.
Filed January 26, 1935. Serial No. 360,699. PUBLISHED MARCH 12, 1935. Class 39.

324,739. MONTHLY PUBLICATION. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 4, 1935. Serial No. 360,997. PUBLISHED MARCH 19, 1935. Class 38.

324,740. MONTHLY PUBLICATION. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 4, 1935. Serial No. 360,996. PUBLISHED MARCH 19, 1935. Class 38.

324,741. MONTHLY PUBLICATION. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 4, 1935. Serial No. 360,994. PUBLISHED MARCH 19, 1935. Class 38.

324,742. PHARMACEUTICAL PREPARATION IN TABLET FORM FOR THE RELIEF OF NERVOUS MANIFESTATIONS, PAIN, AND FEVER ASSOCIATED WITH DISEASES AND TRAUME IN DOGS. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed February 2, 1935. Serial No. 360,969. PUBLISHED MARCH 19, 1935. Class 6.

324,743. OUTSIDE COLD WATER PAINTS. I. F. LAUCKS, INC., Seattle, Wash.
Filed February 2, 1935. Serial No. 360,968. PUBLISHED MARCH 19, 1935. Class 16.

324,744. PENETRATING OIL, SEPARATOR OIL, MACHINE OIL, CUTTING OIL, FLUSHING OIL, LUBRICATING GREASES, AND PARAFFIN. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed February 1, 1935. Serial No. 360,942. PUBLISHED MARCH 19, 1935. Class 15.

324,745. LUBRICATING OILS AND GREASES. PENOLA INC., Pittsburgh, Pa.
Filed February 1, 1935. Serial No. 360,939. PUBLISHED MARCH 19, 1935. Class 15.

324,746. CHEMICAL PREPARATION DESIGNED FOR REMOVING AND INHIBITING RUST AND RUST PRODUCING AGENTS, REMOVING OILS AND GREASES, ETCHING METALS, AND OTHERWISE CLEANING AND PREPARING METALS FOR COATING MATERIALS SUCH AS PAINT AND THE LIKE. HOWARD R. NEILSON, doing business as Neilson Chemical Company, Detroit, Mich.
Filed November 23, 1934. Serial No. 358,562. PUBLISHED MARCH 12, 1935. Class 6.

324,747. PASTE SOAP. SPEED-KLEEN MANUFACTURING COMPANY, Seaford, N. Y., assignor to Thomas Buday, doing business as Speed-Kleen Manufacturing Co., New York, N. Y.
Filed November 17, 1934. Serial No. 358,339. PUBLISHED MARCH 19, 1935. Class 4.

324,748. MAGAZINE. OFFICIAL DETECTIVE STORIES, INC., Chicago, Ill.
Filed November 16, 1934. Serial No. 358,294. PUBLISHED MARCH 19, 1935. Class 38.

324,749. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Husler Flour Mills, Salt Lake City, Utah.
Filed November 14, 1934. Serial No. 358,199. PUBLISHED MARCH 19, 1935. Class 46.

324,750. MUSHROOM SPAWN. J. HAROLD BOOTH, Chicago, Ill.
Filed November 10, 1934. Serial No. 358,087. PUBLISHED MARCH 19, 1935. Class 1.

324,751. BEER AND ALE. THE SUNRISE BREWING COMPANY, Cleveland, Ohio.
Filed October 4, 1934. Serial No. 356,784. PUBLISHED MARCH 19, 1935. Class 48.

324,752. MEN'S NEGLIGEE SHIRTS, SHORTS, AND PAJAMAS. WAMSUTTA MILLS, New Bedford, Mass.
Filed September 20, 1934. Serial No. 356,239. PUBLISHED MARCH 19, 1935. Class 39.

324,753. ALUMINUM COMBINED GRILLS, GRIDDLES, AND COOKERS. J. T. MORGAN, doing business as Manitowoc Manufacturing Co., Manitowoc, Wis.
Filed September 13, 1934. Serial No. 356,010. PUBLISHED MARCH 19, 1935. Class 13.

324,754. ENGLISH WHEATEN BISCUITS AND CHOCOLATE. MCVITIE & PRICE, LIMITED, Edinburgh, Scotland, London and Manchester, England.
Filed August 27, 1934. Serial No. 355,486. PUBLISHED MARCH 19, 1935. Class 46.

324,755. PREPARATIONS FOR THE TREATMENT OF HAIR—NAMELY, HAIR LOTIONS, SHAMPOOS, AND HAIR TINTS. EDMOND SOUSSA, Paris, France.
Filed August 22, 1934. Serial No. 355,329. PUBLISHED MARCH 19, 1935. Class 6.

324,756. LUSTRE CREAM (A WAX PREPARATION) AND POLISH FOR AUTOMOBILES, FURNITURE, AND PAINTED, VARNISHED, OR LACQUERED SURFACES. COLORGLO PRODUCTS, Whittier, Calif.
Filed August 18, 1934. Serial No. 355,140. PUBLISHED MARCH 19, 1935. Class 16.

324,757. RADIO RECEIVING SETS. BELMONT RADIO CORPORATION, Chicago, Ill.
Filed August 15, 1934. Serial No. 355,009. PUBLISHED MARCH 19, 1935. Class 21.

324,758. IGNITION REPAIR PARTS CONSISTING OF COILS, CAPS, CONDENSERS, CONTACTS, AND BRUSHES. TUNGSTEN REPAIR PARTS, INC., Long Island City, N. Y.
Filed August 2, 1934. Serial No. 354,585. PUBLISHED MARCH 19, 1935. Class 21.

324,759. SAFETY MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed July 28, 1934. Serial No. 354,399. PUBLISHED SEPTEMBER 11, 1934. Class 9.

324,760. WINES. CUCAMONGA WINE COMPANY, Cucamonga Calif.
Filed July 27, 1934. Serial No. 354,367. PUBLISHED MARCH 19, 1935. Class 47.

324,761. CLEANING COMPOUND FOR CLEANING UPHOLSTERY, RUGS, CARPETS, AWNINGS, ETC. MURIEL I. LATTNER, doing business as Interstate Laboratories, Detroit, Mich.
Filed July 20, 1934. Serial No. 354,124. PUBLISHED MARCH 19, 1935. Class 4.

324,762. ARTIFICIAL LEATHER. THE LEATHERCRAFT CORPORATION, New York, N. Y.
Filed June 15, 1934. Serial No. 352,745. PUBLISHED MARCH 19, 1935. Class 50.

324,763. ALE. STANDARD BREWING COMPANY, INC., Rochester, N. Y.
Filed June 11, 1934. Serial No. 352,555. PUBLISHED JANUARY 8, 1935. Class 48.

324,764. LADIES' AND MISSES' OUTER GARMENTS—NAMELY, DRESSES, SKIRTS, AND COATS. SAMUEL J. GOLDFARB, Brooklyn, N. Y.
Filed May 17, 1934. Serial No. 351,464. PUBLISHED MARCH 19, 1935. Class 39.

324,765. PROTECTIVE COATING MATERIAL IN THE NATURE OF PAINT. THE INLAND MANUFACTURING COMPANY, Dayton, Ohio.
Filed May 14, 1934. Serial No. 351,320. PUBLISHED MARCH 19, 1935. Class 16.

324,766. FOUNDATION GARMENTS FOR STOUT WOMEN—NAMELY, SEPARATE FOUNDATIONS, SEPARATE BRASSIÈRES, GIRDLES, CORSET STEPINS, GARTER BELTS, INNER BELT CORSETS, AND FIGURE MOLDING AND REDUCING GARMENTS. BLAIR CORSET CO. INC., Chicago, Ill.
Filed November 28, 1934. Serial No. 358,716. PUBLISHED MARCH 19, 1935. Class 39.

324,767. CANNED FOOD FOR DOGS, CATS, AND OTHER CARNIVEROUS ANIMALS. REPUBLIC FOOD PRODUCTS CO., doing business as Clair & Co., Chicago, Ill.
Filed November 23, 1934. Serial No. 358,571. PUBLISHED MARCH 19, 1935. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

324,768. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KNAPP-MONARCH COMPANY, Belleville, Ill. Filed Apr. 2, 1934. Serial No. 349,417.

MODERNE

For Electric Toasters, Electric Waffle Irons, Electric Portable Glow Heaters, Electric Fans, Electric Vibrators for General Use, Electric Hair Dryers for General Use, Electric Flat Irons, Electric Curling Irons, Electric Heating Pads for General Use, Electric Grill Stoves.
Claims use since Mar. 15, 1934.

324,769. (CLASS 37. PAPER AND STATIONERY.) RALPH H. WILBUR, Boston, Mass. Filed May 18, 1934. Serial No. 351,531.

DRISEAL

For Gummed Bands, Strips or Tapes of Paper or Fabric for Use as a Wrapper for Stacks of Bills, Envelopes or Other Merchandise.
Claims use since Apr. 16, 1934.

324,770. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. STEWART BOSWELL, doing business as The Julep Company, Chicago, Ill. Filed July 18, 1934. Serial No. 354,022.

JULEP ADE

For Powder Used for Making a Nonalcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 5, 1934.

324,771. (CLASS 10. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WENDELL J. CALEY, Philadelphia, Pa. Filed Sept. 19, 1934. Serial No. 356,176.

VASSAR WAVER

For Non Electrical Hair Curlers.
Claims use since Feb. 3, 1933.

324,772. (CLASS 33. GLASSWARE.) BUHL, PEER & KEEFE, New York, N. Y. Filed Mar. 20, 1934. Serial No. 348,866.

PEER BUHL KEEFE

For Watch Crystals.
Claims use since Mar. 1, 1934.

324,773. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WEST BEND ALUMINUM CO., West Bend, Wis. Filed Dec. 12, 1934. Serial No. 359,261.

MODERN

For Drip Coffee Makers.
Claims use since Feb. 11, 1931.

324,774. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL ENGINEERING CO., LTD., Los Angeles, Calif. Filed Feb. 5, 1935. Serial No. 361,067.

ZUBLIN

For Oil Well Tools and Parts Therefor—Namely, Drill Bits, Core Barrels, Oil Well Pumps, Oil Well Flowing Apparatus for Sub-Surface Production and Separation of Gas in Petroleum Wells, and Parts Therefor.
Claims use since April, 1929.

324,775. (CLASS 2. RECEPTACLES.) EMBALMING BURIAL CASE COMPANY, Burlington, Iowa. Filed Mar. 12, 1935. Serial No. 362,406.

SEAL-TITE

For Vaults.
Claims use since March, 1932.

324,776. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Apr. 10, 1935. Serial No. 363,573.

BERWYN

For Ophthalmic Mountings.
Claims use since Feb. 15, 1934.

324,777. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Apr. 10, 1935. Serial No. 363,574.

STAUNTON

For Ophthalmic Mountings.
Claims use since Mar. 20, 1933.

324,778. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Apr. 10, 1935. Serial No. 363,575.

STRATFORD

For Ophthalmic Mountings.
Claims use since Mar. 20, 1933.

324,779. (CLASS 20. LINOLEUM AND OIL CLOTH.) BIRD & SON, INC., East Walpole, Mass. Filed Apr. 24, 1935. Serial No. 364,123.

RUBBERLIKE

For Floor Covering of the Hard Surfaced Flexible Type Having a Wearing Layer of Asphaltic Composition.
Claims use since Nov. 10, 1933.

324,780. (CLASS 48. MALT BEVERAGES AND LIQUORS.) FOREST CITY BREWERY, INC., Cleveland, Ohio. Filed Apr. 24, 1935. Serial No. 364,131.

CHAMPAGNE OF BEERS

For Beer.
Claims use since May 22, 1933.

TRADE-MARK REGISTRATIONS RENEWED

103,794. MALT TONIC. Registered April 13, 1915. THE PEPER SCHOENHOFEN BREWING COMPANY. Renewed April 13, 1935, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

103,830. SHOES MADE OF LEATHER AND OF LEATHER AND CLOTH. Registered April 13, 1915. STONEFIELD EVANS SHOE CO. Renewed April 13, 1935, to Certified Shoe Corporation, Rockford, Ill., a corporation of Illinois, assignee.

103,910. REFRIGERATORS. Registered April 20, 1915. NORTHERN REFRIGERATOR COMPANY, Grand Rapids, Mich. Renewed April 20, 1935, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan, assignee.

104,195. VISES AND LATHE DOGS. Registered May 11, 1915. BONNEY VISE & TOOL WORKS INC., Philadelphia, Pa.; New York, N. Y.; and Allentown, Pa. Renewed May 11, 1935, to Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania, by change of name.

104,475. ORANGES, GRAPE-FRUIT, AND TANGERINES. Registered June 1, 1915. Jesse J. Parrish, Titusville, Fla. Renewed June 1, 1935.

104,674. ALCOHOL-MEASURING APPARATUS AND CONDENSER WATERMETERS. Registered June 8, 1915. GEBRUDER SIEMENS & COMPANY, Berlin-Lichtenberg, Germany. Renewed June 8, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

104,808. INSULATING-VARNISH. Registered June 15, 1915. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Renewed June 15, 1935.

104,918. CERTAIN NAMED THREADS AND YARNS AND COMBINATIONS THEREOF. Registered June 22, 1915. H. E. VERRAN COMPANY, INCORPORATED. Renewed June 22, 1935, to The Frampton Company, New York, N. Y., a corporation of New Jersey, assignee.

104,930. CLEANING AND POLISHING PREPARATIONS FOR CERTAIN NAMED MATERIALS. Registered June 29, 1915. CHEMISCHE FABRIK DÜSSELDORF AKTIENGESELLSCHAFT, Leipzig, Germany. Renewed June 29, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,313. EYEGLASSES. Registered July 20, 1915. EMIL BUSCH, AKTIENGESELLSCHAFT OPTISCHE INDUSTRIE, Rathenow, Germany. Renewed July 20, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,343. TOBACCO-PIPES AND CIGAR AND CIGARETTE HOLDERS. Registered July 20, 1915. DELACOUR BROTHERS, LIMITED, West Kilburn, London, England, a corporation of Great Britain. Renewed July 20, 1935.

105,732. BOOTS AND SHOES OF KID, LEATHER, AND CANVAS. Registered August 17, 1915. THE KAUT-REITH SHOE COMPANY, Carthage, Mo. Renewed August 17, 1935, to The Juvenile Shoe Corporation of America, Aurora and St. Louis, Mo., a corporation of Missouri, assignee.

105,765. BLEACHING-SALTS, BLEACHING-SODAS, CLEANING AND DYEING PREPARATIONS. Registered August 17, 1915. SURPASS CHEMICAL CO., INC., Menands and Albany, N. Y. Renewed August 17, 1935, to Surpass Chemical Co., Inc., Albany, N. Y., a corporation of New York.

105,783. LEATHER HEELS, RUBBER HEELS, AND RUBBER INSERTS FOR LEATHER HEELS FOR BOOTS AND SHOES. Registered August 17, 1915. E. W. BURT & COMPANY, INCORPORATED, Boston, Mass. Renewed August 17, 1935, to Orthopedic Shoes, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,791. CHILDREN'S SHOES OF LEATHER AND OF COMBINATION LEATHER AND RUBBER AND LEATHER AND CANVAS. Registered August 17, 1915. FRANK M. FARGO, Chicago, Ill. Renewed August 17, 1935, to Frank M. Fargo, Evanston, Ill.

105,811. A REMEDY FOR GOUTY AND RHEUMATIC DISEASES AND NEURALGIC AFFECTIONS. Registered August 17, 1915. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed August 17, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,814. HATS AND CAPS. Registered August 17, 1915 GOLDENBERGS. Renewed August 17, 1935, to The Goldenberg Company, Washington, D. C., a corporation of Maryland, successor.

105,852. PERFUMERY, FACE-POWDER, AND TALCUM POWDER. Registered August 24, 1915. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 24, 1935.

105,882. INCANDESCENT GAS-LAMPS, INCLUDING BURNERS AND OTHER METAL LAMP PARTS, AND INCANDESCENT MANTLES. Registered August 24, 1915. WELSBACH COMPANY, Gloucester City, N. J., a corporation of New Jersey. Renewed August 24, 1935

106,072. ROLLED OATS. Registered October 5, 1915 THE CORNO MILLS COMPANY, East St. Louis, Ill., a corporation of Illinois. Renewed October 5, 1935

LABELS

REGISTERED MAY 28, 1935

45,616.—*Title:* PERIOD FURNITURE POLISH. For Furniture Polish. VICTOR ALDRICH, Los Angeles, Calif. Published January 4, 1935.

45,617.—*Title:* CALIROSE. For Canned Tomatoes with Puree. A. M. BEEBE, doing business as A. M. Beebe Company, San Francisco, Calif. Published January 2, 1935.

45,618.—*Title:* SCREENLAND FASHIONS For Wearing Apparel. A. E. BELDNER, New York, N. Y. Published February 1, 1934.

45,619.—*Title:* BRIGGS MANUFACTURING COMPANY, HI-GLOSS BLACK LACQUER. For Black Lacquer. BRIGGS MANUFACTURING COMPANY, Detroit, Mich. Published March 21, 1935.

45,620.—*Title:* BRUTON. For Beer. BRUTON BREWING COMPANY, Baltimore, Md. Published April 4, 1935.

45,621.—*Title:* CASPRO BRAND. For an Orange Cocktail Mixer. CASTLE PRODUCTS, INC., Newark, N. J. Published February 25, 1935.

45,622.—*Title:* MASON CAPS. For Caps for Mason Jars. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Published March 7, 1935.

45,623.—*Title:* OLD SUGAR MILL. For Rum. PAUL R. DELIUS, New York, N. Y. Published January 9, 1935.

45,624.—*Title:* DR. DIMITROFF'S & KASMER'S MEDICINAL LABORATORY. For Terminative Compound for the Treatment of Gall-Stone, Gravel, Gonorrhea, Leucorrhea, Varicous Veins, Bronchitis, Thrombosis, Gastritis, Vaginismus, Vaginitis, and Common Cold. IVAN DIMITROFF AND ROBERT J. KASMER, doing business as Dr. Dimitroff's & Kasmer's Medicinal Laboratory, Amsterdam, N. Y. Published October 16, 1934.

45,625.—*Title:* DOX-O. For Dog Feed. DOX-O PRODUCTS CO., Ottumwa, Iowa. Published January 21, 1935.

45,626.—*Title:* REVELATION. For Tooth Powder. AUSTIN E. DRUCKER CO., San Francisco, Calif. Published December 15, 1934.

45,627.—*Title:* MAX FACTOR FACIAL SOAP. For Facial Soap. MAX FACTOR & CO., Los Angeles, Calif. Published January 20, 1935.

45,628.—*Title:* WALDORF SAMSON BRAU LAGER For Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio Published March 18, 1935.

45,629.—*Title:* THE GREAT NEW ERECTOR. For Construction Toys. THE A. C. GILBERT COMPANY, Baltimore, Md., and New Haven, Conn. Published April 1, 1935.

45,630.—*Title:* FORE STYLE SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 7, 1935.

45,631.—*Title:* SPORT SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 25, 1935.

45,632.—*Title:* BEAUTIFUL SHOES. For Boxes HOAGUE-SPRAGUE CORPORATION, Lynn, Mass Published March 6, 1935.

45,633.—*Title:* CLICKY. For Boxes. HOAGUE SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935

45,634.—*Title:* COLLEGIATE SPORTS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,635.—*Title:* SHOES MODERNE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,636.—*Title:* LION. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,637.—*Title:* AIR O CUSHION-TREAD. For Boxes HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 13, 1935.

45,638.—*Title:* SPOR-TEE STRUTTERS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 5, 1935.

45,639.—*Title:* DOROTHY MAY. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,640.—*Title:* FRANKLIN SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 15, 1935.

45,641.—*Title:* MODEL MODE FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,642.—*Title:* THE BRADFORD SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,643.—*Title:* HANNAH. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,644.—*Title:* THE P AND S SHOE FOR MEN. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,645.—*Title:* TRUMAN SUPERSPORT DELUXE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,646.—*Title:* PARK AVENUE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 6, 1935.

45,647.—*Title:* MISS AMERICA. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,648.—*Title:* LEVEY BROTHERS SHOE CO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,649.—*Title:* NEW ERA. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 20, 1935.

45,650.—*Title:* THE WALTZ PUMP. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 1, 1935.

45,651.—*Title:* BETTY WALES DE LUXE FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 13, 1935.

45,652.—*Title:* PACAYAL COFFEE. For Coffee. D. B. HODGSDON, Guatemala City, Guatemala. Published November 5, 1934.

45,653.—*Title:* HOOSIER PEONIES. For Peonies. INDIANA PEONY SALES CORPORATION, INC., Evansville, Indiana. Published April 5, 1935.

45,654.—*Title:* STATE HOUSE. For a Blend of Straight Rye Whiskies. LIBERTY DISTILLERIES, INC., Baltimore, Md. Published March 26, 1935.

45,655.—*Title:* HUNTING VALLEY. For Straight Rye Whiskey. SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Published March 27, 1935.

45,656.—*Title:* WOLVERINE. For Straight Rye Whiskey. SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Published March 27, 1935.

45,657.—*Title:* DIAMOND JIM. For Blended Whiskey. A. LYON, Los Angeles, Calif. Published March 9, 1935.

45,658.—*Title:* MAIL-WELL CERTIFIED ENVELOPES. For Envelopes. MAIL-WELL ENVELOPE COMPANY, Portland, Oreg. Published October 23, 1934.

45,659.—*Title:* BLUE RIBBON, GROWN IN THE HEART OF THE SUNSHINE STATE. For Celery. CHARLES MANN, JR., doing business as Mann Produce Co., Los Duranes and Albuquerque, N. Mex. Published January 23, 1935.

45,660.—*Title:* BLUE RIBBON, GROWN IN THE HEART OF THE SUNSHINE STATE. For Asparagus. CHARLES MANN, JR., doing business as Mann Produce Co., Los Duranes and Albuquerque, N. Mex. Published April 10, 1935.

45,661.—*Title:* PALMER "VANITY" SLIPPERS. For Slippers. FRANK C. MEYER CO. INC., Brooklyn, N. Y. Published March 25, 1935.

45,662.—*Title:* CUTLER'S FASHION FOOTWEAR. For Footwear. FRANK C. MEYER CO. INC., Brooklyn, N. Y. Published March 25, 1935.

45,663.—*Title:* UNIVERSAL BATTERY CLIPS. For Battery Clips. MUELLER ELECTRIC COMPANY, Cleveland, Ohio. Published April 1, 1935.

45,664.—*Title:* SPARKLING CLUB SODA. For Carbonated Sparkling Water. MYER PRODUCTS, INC., New York, N. Y. Published March 8, 1935.

45,665.—*Title:* NORFOLK. For Ham. OSWALD & HEBB CO., INC., Pittsburgh, Pa. Published April 1, 1935.

45,666.—*Title:* ARAWANA MILLS, ARANET. For Net Goods. THE I. E. PALMER COMPANY, Middletown, Conn. Published January 2, 1935.

45,667.—*Title:* ARANET. For Net Goods. THE I. E. PALMER COMPANY, Middletown, Conn. Published January 2, 1935.

45,668.—*Title:* ARAWANA MILLS MOSQUINETTE. For Net Goods. THE I. E. PALMER COMPANY, Middletown, Conn. Published January 2, 1935.

45,669.—*Title:* MOSQUINETTE. For Net Goods. THE I. E. PALMER COMPANY, Middletown, Conn. Published January 2, 1935.

45,670.—*Title:* COLONIAL. For Waxed Paper. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Published April 1, 1935.

45,671.—*Title:* PERSONAL SEAL CHOCOLATES. For Chocolates. PERSONAL SEAL CHOCOLATES CO., Boston, Mass. Published April 17, 1935.

45,672.—*Title:* MATTINGLY'S BUTTER-NUT BREAD-SLICED. For Bread. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published February 1, 1935.

45,673.—*Title:* COFFEE—DESIGN A-1. For Coffee. W. S. QUINBY COMPANY, Boston, Mass. Published March 11, 1935.

45,674.—*Title:* COFFEE—DESIGN A-2. For Coffee. W. S. QUINBY COMPANY, Boston, Mass. Published March 11, 1935.

45,675.—*Title:* COFFEE—DESIGN A-3. For Coffee. W. S. QUINBY COMPANY, Boston, Mass. Published March 11, 1935.

45,676.—*Title:* COFFEE—DESIGN A-4. For Coffee. W. S. QUINBY COMPANY, Boston, Mass. Published March 11, 1935.

45,677.—*Title:* COFFEE—DESIGN A-5. For Coffee. W. S. QUINBY COMPANY, Boston, Mass. Published March 11, 1935.

45,678.—*Title:* FRANK T. SCHMIDT'S SALEM BEER. For Beer. SALEM BREWERY ASSOCIATION, Salem, Oreg. Published March 5, 1935.

45,679.—*Title:* T. S. DANDRUFF REMOVER. For Preparation for Removing Dandruff. THOMAS SANFILIPPO, New Castle, Pa. Published February 15, 1935.

45,680.—*Title:* ENZYMOGEN. For a Preparation for the Treatment of Digestive Disorders and Related Ailments. STANDARD MEDICAL PRODUCTS, INCORPORATED, Long Beach, Calif. Published April 13, 1935.

45,681.—*Title:* LITTLE MOTHER'S PATCHWORK OUTFIT. For Children's Patchwork Outfits. STANDARD TOYCRAFT PRODUCTS, INC., New York, N. Y. Published April 4, 1935.

45,682.—*Title:* COUNTRY BREAD. For Bread. MAHLON L. STRAUCH, Benton, Pa. Published April 17, 1935.

45,683.—*Title:* ENJOY LEATHER CRAFT FOR BOYS AND GIRLS—CRAFTSMAN NO. 1. For Leather Craft Kits for Boys and Girls. E. A. SWEET CO. INC., Binghamton, N. Y. Published March 1, 1935.

45,684.—*Title:* LAST LINE INDICATOR, MULTIPLE SHEET INSERTER, CYLINDER PROTECTOR. For Carbon Paper. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Published September 28, 1934.

45,685.—*Title:* DESIGN 108. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published April 19, 1935.

45,686.—*Title:* SPEED KING. For a Blend of Straight Whiskies. UNITED IMPORTERS & DISTILLERS, INC., New Haven, Conn. Published March 15, 1935.

45,687.—*Title:* STATE HOUSE. For Straight Whiskey. UNITED IMPORTERS & DISTILLERS, INC., New Haven, Conn. Published March 15, 1935.

45,688.—*Title:* PINOCHLE CLUB. For Blended Whiskey. UNITED IMPORTERS & DISTILLERS, INC., New Haven, Conn. Published March 15, 1935.

45,689.—Title: PRIZE BRAND DOG & CAT FOOD. For Dog and Cat Food. VICTORY PACKING COMPANY, Oakland, Calif. Published March 22, 1935

45,690.—*Title:* A. J.'S OLD TIME BRAND STRAIGHT DISTILLED APPLE BRANDY. For Apple Brandy. A. J. WEINER, Cleveland, Ohio. Published January 10, 1935.

45,691.—*Title:* OLD DISTILLER'S PRIDE BRAND STRAIGHT WHISKEY. For Straight Whiskey. A. J. WEINER, Cleveland, Ohio. Published January 10, 1935.

45,692.—*Title:* BEST BY TEST. For Fuel. CHARLES WENDEROTH, JR., Woodside, N. Y. Published April 1, 1935.

45,693.—*Title:* BEST BY TEST. For Fuel. CHARLES WENDEROTH, JR., Woodside, N. Y. Published April 1, 1935.

LABELS RENEWED

13,697. POLAND. For Canned Corn. Registered July 30, 1907. FERNALD, KEENE AND TRUE COMPANY, Poland, Maine. Renewed July 30, 1935, to Fernald, Keene and True Company, West Poland, Maine, a corporation of Maine.

PRINTS

REGISTERED MAY 28, 1935

15,153.—*Title:* HAVE YOUR PLUGS CLEANED BY THE NEW AC METHOD. For Spark Plug Cleaning Devices. A C SPARK PLUG COMPANY, Flint, Mich. Published March 13, 1934.

15,154.—*Title:* THEY PUT IDEAS IN YOUR HEAD! For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published March 10, 1935.

15,155.—*Title:* SO WE DROPPED IN THE BIG DIPPER TO OBLIGE. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published April 10, 1935.

15,156.—*Title:* CHILTON PRESENTS WING-FLOW SERIES. For Fountain Pens and Mechanical Pencils. THE CHILTON PEN COMPANY, INC., New York and Long Island City, N. Y. Published April 3, 1935.

15,157.—*Title:* BEWARE OF DANGEROUS UPSETS NOW! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 5, 1935.

15,158.—*Title:* WHEN IT'S EXIDE YOU START. For Storage Batteries. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa. Published March 29, 1935.

15,159.—*Title:* QUALITY BEER AND ALE SINCE 1852. For Beer and Ale. FIDELIO BREWERY, INC., New York, N. Y. Published April 5, 1935.

15,160.—*Title:* EVEN YOUR MOST CRITICAL GUEST WILL RAVE ABOUT ORANGE LUNCHEON BISQUICKS SAYS MRS. PHILIP CUSHING HILL. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published March 25, 1935.

15,161.—*Title:* WANTED! WOMEN WHOSE HUSBANDS LIKE STRAWBERRY SHORTCAKE TO ACCEPT THIS FRIENDLY CHALLENGE FROM ME. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 10, 1935.

15,162.—*Title:* WANTED: EVERY WIFE WHOSE HUSBAND LIKES STRAWBERRY SHORTCAKE TO ACCEPT THIS FRIENDLY CHALLENGE FROM BETTY CROCKER. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 10, 1935.

15,163.—*Title:* I DON'T MIND FLYING THROUGH SMOKING CRATERS, BUT I'M AFRAID OF ANOTHER BLOW-OUT (Ad. No. GBC-52). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published April 13, 1935.

15,164.—*Title:* BEING TOSSED BY A WILD BRONCHO IS TAME TO A BLOW-OUT ACCIDENT (AD. NO. GBC-51). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published April 20, 1935.

15,165.—*Title:* AN ACTUAL PHOTOGRAPH OF A CAR EQUIPPED WITH KEYSTONE SEAT COVERS. For Automobile Seat Covers. KEYSTONE AUTO FABRIC CO., Philadelphia, Pa. Published February 15, 1935.

15,166.—*Title:* BUCK'S. For Ranges and Stoves. ORIGINAL ENAMEL RANGE COMPANY, Belleville, Ill. Published March 22, 1935.

15,167.—*Title:* SPRING IS LILAC PROMOTION TIME. For Skin Perfume. PINAUD INCORPORATED, New York, N. Y. Published April 1, 1935.

15,168.—*Title:* AS THE WOMEN IN YOUR TOWN THRILL TO THE VOICE OF THE NIGHT SINGER ON LILAC TIME. For Combination Boxes Containing Skin Perfume, Mascara, and an Eyelash Brush. PINAUD INCORPORATED, New York, N. Y. Published April 1, 1935.

15,169.—*Title:* FIRST CALL FOR DINNER MEANS IT'S TIME FOR PABST. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 1, 1935.

15,170.—*Title:* IT'S TIME FOR PABST. For Beer and Ale. PREMIER PABST CORPORATION, Peoria Heights, Ill. Published April 1, 1935.

15,171.—*Title:* IT'S TIME FOR PABST. For Beer and Ale. PREMIER PABST CORPORATION, Peoria Heights, Ill. Published April 1, 1935.

15,172.—*Title:* SNAPSHOTS OF MODERN BAKERS. For Baker's Malt. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 29, 1935.

15,173.—*Title:* LENA'S LIBERAL OFFER IN CELEBRATION WHITE BANNER MALT WEEK APRIL 14TH TO 20TH. For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 19, 1935.

15,174.—*Title:* LOOK FOR THE BREAD IN THE ORANGE WRAPPER. For Bread. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published March 11, 1935.

15,175.—*Title:* SEARS STRAIGHT LINE DISTRIBUTION SAVES YOU MONEY. For General Line of Merchandise Including Curtains, Shoes, Shirts, Hose, Overalls, and Chairs. SEARS, ROEBUCK AND CO., Chicago, Ill. Published March 2, 1935.

15,176.—*Title:* HEALTH BECKONS YOU. For a Medicinal Preparation. UNITED DISTRIBUTORS, INCORPORATED, Louisville, Ky. Published January 22, 1935.

15,177.—*Title:* AUTHORITY DECLARES CONSTIPATION LEADS TO FORTY AILMENTS. For a Medicinal Preparation. UNITED DISTRIBUTORS, INCORPORATED, Louisville, Ky. Published January 22, 1935.

15,178.—*Title:* INDIGESTION CAUSED BY HYPERACIDITY. For a Medicinal Preparation. UNITED DISTRIBUTORS, INCORPORATED, Louisville, Ky. Published January 22, 1935.

15,179.—*Title:* ALL WHO SUFFER: DON'T BUY MEDICINE UNTIL YOU READ THIS! For a Medicinal Preparation. UNITED DISTRIBUTORS, INCORPORATED, Louisville, Ky. Published January 22, 1935.

15,180.—*Title:* VALENJU ORANGE DRINK 5¢ For an Orange Drink. ALBERT VERLEY, INC., Chicago, Ill. Published March 1, 1935.

15,181.—*Title:* NO BELTS GEARS NO VALVES SPRINGS NO PISTONS LEATHERS NO POUNDING HAMMERING. For Turbine Pumps and Water Systems. WESTCO PUMP CORPORATION, Davenport, Iowa. Published April 17, 1935.

REISSUES

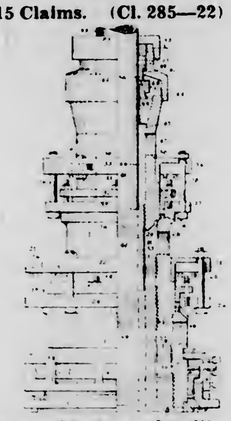
MAY 28, 1935

19,587
CASING HEAD

Merton T. Archer, Toledo, Ohio, assignor, by mesne assignments, to The National-Superior Company, Toledo, Ohio, a corporation of Delaware

Original No. 1,887,865, dated November 15, 1932, Serial No. 531,908, April 22, 1931. Application for reissue November 10, 1934, Serial No. 752,538

15 Claims. (Cl. 285—22)



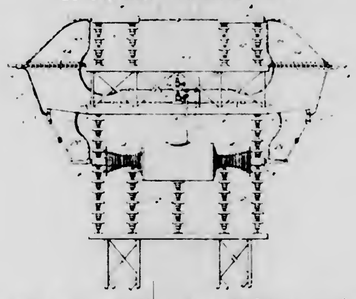
1. In a casing head, a plurality of annular superposed heads, each head having an internal shoulder on which the next head above rests, a stuffing box surrounding each upper head above the shoulder upon which the upper head rests, packing within each stuffing box, an annular gland resting on each packing, and adjustable means connecting each head and its associated gland for varying the compression of the packing.

19,588
HIGH VOLTAGE ELECTRICAL SWITCH

Frank G. Baum, deceased, late of San Francisco, Calif., by Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., assignee

Original No. 1,895,907, dated January 31, 1933, Serial No. 295,007, July 24, 1928. Application for reissue January 17, 1935, Serial No. 2,231

41 Claims. (Cl. 200—150)



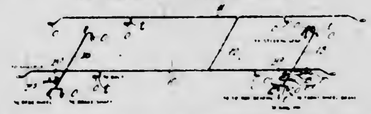
41. For a power line, a switching mechanism comprising a liquid-containing tank arranged with its longitudinal axis horizontal, said liquid containing tank including a metal portion forming the central part of the tank and a pair of axially aligned insulator bushings forming the end portions of the tank, line terminals at the opposite ends of said insulator bushings, a contact rod axially slidable in each bushing for opening and closing the circuit between said line terminals, a pair of disconnecting switches outside of said liquid-containing tank and electrically connected in series with said contact rods in the tank, said disconnecting switches each being connected to one of said terminals at the ends of the insulator bushings for disconnecting both terminals from the line, and means for actuating said disconnecting switches including an operating member movable in each of said insulator bushings.

19,589
LUBRICATING INSTALLATION

Joseph Bijur, deceased, late of New York, N. Y., by Auto Research Corporation, Dover, Del., assignee

Original No. 1,797,203, dated March 17, 1931, Serial No. 616,016, January 31, 1923. Application for reissue September 14, 1932, Serial No. 633,114

21 Claims. (Cl. 184—7)



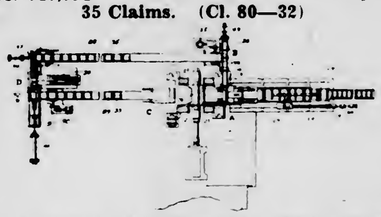
1. In a chassis lubricating installation, in combination, a plurality of independent lubricant conduits, one for each of the substantially distinct structural units of the chassis, said conduits including readily accessible inlet fittings for the nozzle of a lubricant gun and each including a plurality of outlets to corresponding bearings, and control elements in the lines, one near each of the outlets, the elements on each line responding automatically to pressure applied by the gun at the corresponding inlet fitting to deliver lubricant in predetermined proportions from the conduit to the bearings supplied from the branches thereof.

19,590
METHOD AND MILL FOR ROLLING METAL

James R. Coe, Watertown, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

Original No. 1,925,896, dated September 5, 1933, Serial No. 635,216, September 28, 1932. Application for reissue October 10, 1934, Serial No. 747,794

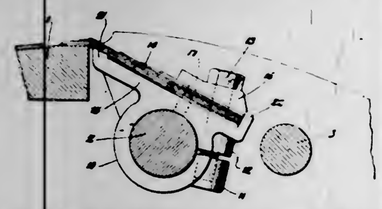
35 Claims. (Cl. 80—32)



1. A method of rolling metal which comprises passing metal bars through a rolling mill, coiling the strip into a coil as it leaves the mill, stor-

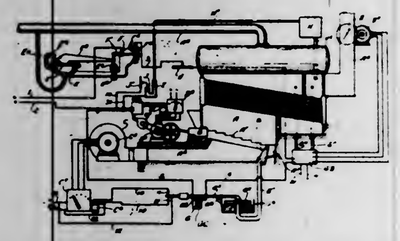
ing a plurality of the coils on a conveyor, straightening the tail end of the coil so that it sticks out straight from the coil, storing a plurality of coils with straightened ends on a conveyor, conveying said coils one at a time to the front of the mill, and again passing the coils through the mill after resetting the rolls thereof.

19,591
FOLDING MECHANISM
Curtis S. Crafts and Charles Alonzo Harless, Oak Park, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Original No. 1,895,124, dated January 24, 1933, Serial No. 580,930, December 14, 1931. Application for reissue September 9, 1933, Serial No. 688,869
11 Claims. (Cl. 101—409)



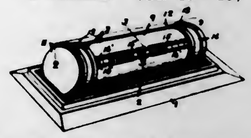
9. A gripping device including in combination a shaft, a plurality of spaced apart laminated, leaf spring sheet holding members mounted on the shaft, means for imposing initial spring tension independently on the various sheet holding members, said shaft and sheet holding members being movable between open and closed position.

19,592
COMBUSTION REGULATION
George H. Gibson, Upper Montclair, N. J.
Original No. 1,583,396, dated May 4, 1926, Serial No. 733,289, August 21, 1924. Application for reissue October 28, 1933, Serial No. 695,703
9 Claims. (Cl. 236—14)



1. In a combustion regulating system for a boiler furnace comprising provisions tending to vary the supply of fuel and air for its combustion in accordance with the boiler load, said provisions including means for establishing a measure of the rate of fuel supply, regulating means responsive to variations in said measure, means for establishing a measure of the rate of air supply, and air supply regulating means responsive to variations in the last mentioned measure, the improvement which consists in means responsive to the CO_2 content in the products of combustion for varying the ratio of fuel supply to air supply to minimize variations in said content.

19,593
MORTUARY RECORD CONTAINER
Hans P. Hansen, Syracuse, N. Y.
Original No. 1,900,768, dated March 7, 1933, Serial No. 526,307, March 30, 1931. Application for reissue July 12, 1933, Serial No. 680,060
3 Claims. (Cl. 40—19)

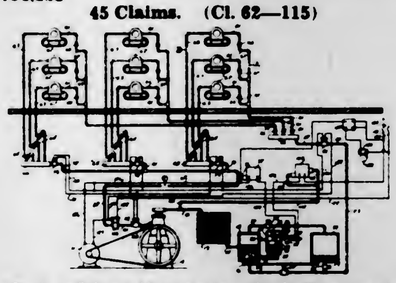


1. In a mortuary record holder, the combination of a tubular section, cap-sections fitted over and upon both ends of the tubular section and having their inner ends extended beyond their areas of contact with the tubular section and in spaced relation thereto to form annular grooves, and a sealing material inserted in said grooves for hermetically sealing the joints.

19,594
PROCESS OF MANUFACTURING TITANIUM OXIDE SUITABLE FOR USE AS A PIGMENT
Karl Leuchs, Berlin-Zehlendorf, Germany, assignor, by mesne assignments, to Krebs Pigments & Color Corporation, a corporation of Delaware
No Drawing. Original No. 1,853,626, dated April 12, 1932, Serial No. 149,800, November 20, 1926. Application for reissue April 6, 1934, Serial No. 719,405. In Germany November 27, 1925
14 Claims. (Cl. 23—202)

7. In a process of manufacturing titanic oxide from a titanium ore the steps which comprise rendering titanium ore soluble by means of sulfuric acid, dissolving the product in water, dissolving titanium hydroxide in the so obtained solution, the amount of said titanium hydroxide dissolved in said solution being such as to substantially increase the ratio of titanium to SO_4 ions present in the solution, and heating this latter solution to precipitate titanic oxide therefrom.

19,595
REFRIGERATION APPARATUS
Edward T. Williams, Pelham Manor, N. Y.
Original No. 1,947,574, dated February 20, 1934, Serial No. 410,026, November 27, 1929. Application for reissue November 19, 1934, Serial No. 754,123
45 Claims. (Cl. 62—115)



40. A refrigerating system including condensing and evaporating means connected in series, and means adapted to operate upon the occurrence of a leak in any portion of said system to subdivide the system into a number of isolated sections.

PLANT PATENTS

GRANTED MAY 28, 1935

125
APPLE
Edgar W. Hartman, Cashtown, Pa., assignor, by direct and mesne assignments, of one-fourth to Buntings' Nurseries, Selbyville, Del., a corporation of Delaware, one-fourth to Waynesboro Nurseries, Inc., Waynesboro, Va., a corporation of Virginia, and one-fourth to Harrisons' Nurseries, Inc., Berlin, Md.
Application December 22, 1933, Serial No. 703,620
1 Claim. (Cl. 47—62)

The apple as described and shown, being a sport of York Imperial having substantially the same characteristics of size, shape, flavor and keeping qualities as the York Imperial, but distinguishing therefrom in color which is a deep purplish carmine almost uniformly covering the surface of the apple and showing pale or russet dots distributed over the surface of the apple with fair uniformity.

126
ORANGE TREE
Roy Robertson, Redlands, Calif., assignor to Armstrong Nurseries, Ontario, Calif.
Application February 5, 1935, Serial No. 5,081
1 Claim. (Cl. 47—62)

The variety of navel orange tree herein described and illustrated, characterized particularly by its heavier and more uniform production of fruits of the Washington navel variety type, but occurring in clusters and maturing two to three weeks earlier.

PATENTS

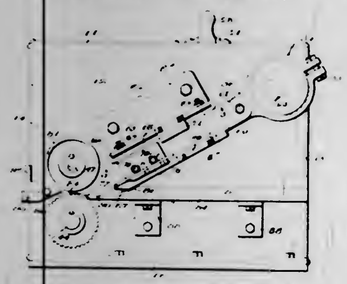
GRANTED MAY 28, 1935

2,002,485
CARTON
Clarence J. Alfred, Orange, N. J., assignor to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey
Application November 26, 1934, Serial No. 754,711
11 Claims. (Cl. 229—17)



6. In a carton, the combination of a pair of inner flaps extending from opposite walls of the carton and folded inwardly at the end of the carton, each flap having a cut-out with said cut-outs cooperating to form a pouring opening, an intermediate flap extending from another wall of the carton and folded inwardly to overlie said inner flaps, a tab section defined at least in part by weakened lines terminating inward from the connection between the intermediate flap and the wall of the carton from which it extends, an outer flap extending from another wall of the carton and folded inwardly over said intermediate flap, said outer flap having a movable section normally overlying said tab section, and films of adhesive securing said intermediate flap to said inner flaps and said outer flap to said intermediate flap.

2,002,486
MACHINE FOR SLITTING WELTS
Arthur J. Beford, Littlestown, Pa.
Application August 17, 1934, Serial No. 740,303
3 Claims. (Cl. 164—49)



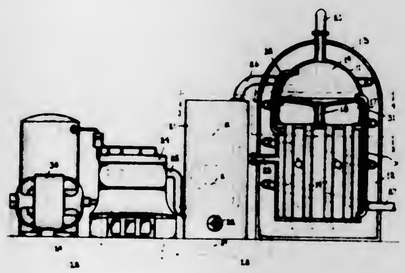
1. A welt-slitting machine comprising a housing, an inclined guideway supported at each side of the housing, said guideway including a plate having spaced laterally projecting flanges, an adjusting plate associated with one flange, means carried by said flange for causing adjustment of the plate, a slide in the form of an elongated bar mounted for reciprocation between the plate and the other flange, a bar secured to the outer edge of each flange and engaging the slide, knives secured to the lower end of the slide, means for causing reciprocation of the slide, rollers located in spaced relation adjacent the knives and tracks associated with the rollers for guiding the welts beneath the knives, said rollers adapted to pull the welts along the tracks.

2,002,487
HAIR WAVING APPLIANCE
Bernhard M. Beskow, Miami Beach, Fla.
Application June 15, 1934, Serial No. 730,817
16 Claims. (Cl. 132—41)



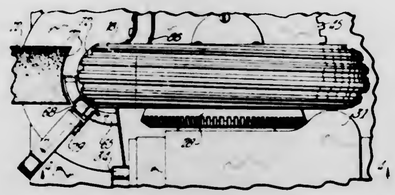
1. A hair waving appliance comprising elongated inner and outer hair confining means between which hair to be waved may be freely inserted, one of said means having an element shiftable toward the other means to cause hair so inserted and confined to be closely engaged between said element and said other means.

2,002,488
ELECTRICALLY CONTROLLED STEAM ENGINE
Ralph R. Blank, Fremont, Nebr.
Application December 3, 1934, Serial No. 755,777
3 Claims. (Cl. 219—38)



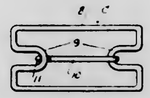
1. An electrically controlled steam engine comprising, in combination with a steam cylinder and piston movable therein for rotating a traction wheel, a casing providing a pair of communicating steam boilers, a pair of steam heating compartments above said boilers, a pair of steam condensing chambers above said compartments in communication with said boilers and an intermediate heating chamber, a housing providing a heat insulating chamber surrounding said casing, means for conducting water to said boilers, energized electrical devices in said boilers for producing steam, heat-conducting pipes projecting into said intermediate chamber and extending spirally around said boilers for producing steam, and a steam outlet pipe in communication with said boilers and steam cylinder for moving said piston.

2,002,489
GRINDING MACHINE
Clement Booth and Andrew Strom, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1931, Serial No. 548,609
14 Claims. (Cl. 51—103)



1. In a grinding machine for grinding tapered radius rolls the combination of opposed contragenerically formed grinding and regulating wheels having a grinding throat therebetween, the regulating wheel having a spiral track conforming to the periphery of the rolls, and means for positively feeding the work pieces in an arcuate path through the grinding throat while the said work is in simultaneous contact with the face of the grinding wheel and the spiral track of the regulating wheel.

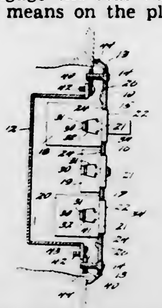
2,002,490
BUCKLE
John R. Bryant, Springfield, Tenn., assignor of one-half to Hatton N. Batson, Bowling Green, Ky.
Application March 20, 1934, Serial No. 716,518
2 Claims. (Cl. 24—163)



1. A buckle of the class described comprising a substantially rectangular shaped frame formed of an endless piece of material and having the central portion of each end piece bent inwardly into U shape, a tongue having an elongated slot therein through which passes the bight of one U-shaped part of the frame for pivotally and slidably connecting the tongue with said U-shaped part, said slot extending to a point adjacent one end of the tongue the other end of the tongue having a hook for engaging the bight of the other U-shaped part.

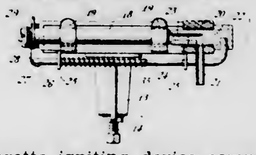
2,002,491
ELECTRIC WIRING APPARATUS
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application May 23, 1932, Serial No. 613,035
6 Claims. (Cl. 247—20)

1. The combination with a plate having a plurality of uniform openings per gang therethrough, a plurality of individual wiring devices of various functions, each having a neck to fit into any one of said openings, a shoulder behind said neck to engage the rear wall of said plate, and individual means on the plate and devices



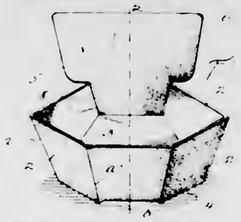
to automatically cooperate to secure the devices in position on the plate.

2,002,492
CIGARETTE LIGHTER
Ben Dess, Chicago, Ill.
Application October 19, 1932, Serial No. 638,645
Renewed March 27, 1935
4 Claims. (Cl. 219—32)



1. A cigarette igniting device comprising the combination of a suction line and a control valve therein including a movable element, a circuit including an igniting element, and a latching mechanism for holding the suction line open and the circuit closed a sufficient length of time to effect the igniting of a cigarette, said latching mechanism including a member attached to the movable valve element and including a temperature-responsive element arranged in the circuit in close proximity to the igniting element and having a portion releasably latchable to said member by movement of the latter and said movable valve element toward the igniting element.

2,002,493
DISPLAY CONTAINER OR RECEPTACLE
Morris M. Einson, Yonkers, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of New York
Application February 1, 1932, Serial No. 590,143
3 Claims. (Cl. 206—44)



1. A container of the class described composed of a strip of sheet material having its ends united by an intermediate connecting piece and folding to form walls of the container, a bottom forming piece hingedly and detachably secured respectively at the front and rear ends to said strip and

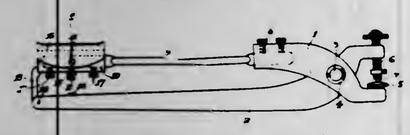
said bottom forming piece being foldable on itself to permit collapsing of the container without release of the detachable connection.

2,002,494
CIGARETTE HOLDER
William Eisenberg, Minneapolis, Minn.
Application April 29, 1933, Serial No. 668,489
4 Claims. (Cl. 206—41)



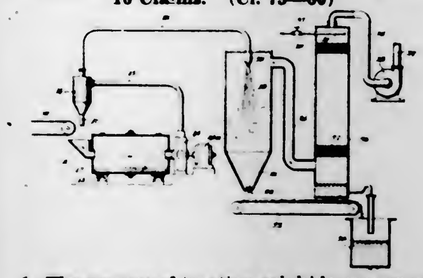
1. A cigarette holder for sheathing a lighted cigarette and maintaining the same lighted pending its subsequent use, said holder comprising a tubular sheath, means for supporting the same in upright position, said sheath being adapted to receive a cigarette, lighted end foremost, an ejector movable up and down within the sheath and adapted normally to occupy a position at the lower portion of the sheath, said sheath having a slot therein, a finger piece issuing from the ejector and extending through said slot for elevating the ejector in the sheath to project a contained cigarette therefrom, said ejector providing a perforate rest for the lighted end of the cigarette, said sheath providing an ash receiving chamber beneath said ejector, the side wall of said sheath having a perforation therein beneath the elevation normally occupied by said ejector, said perforation and said slot providing for a natural supply of combustion supporting air to the burning end of the cigarette resting on said ejector.

2,002,495
APPARATUS FOR THE DETERMINATION OF BRINELL-NUMBERS
Stig Lennart E:Son Falk, Vasteras, Sweden
Application August 1, 1932, Serial No. 627,211
In Sweden August 6, 1931
3 Claims. (Cl. 265—12)



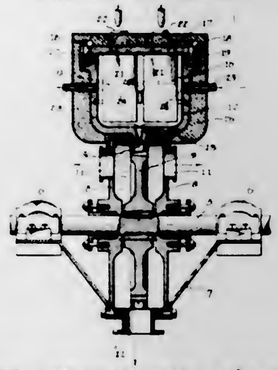
3. Apparatus for the determination of the degree of hardness of materials in accordance with the so-called Brinell method comprising a pair of tong members pivoted to provide a pair of jaws, a ball holder and an anvil positioned on the opposing jaws, respectively, means to subject the ball to be tested to a controllable spring pressure, said means comprising an exchangeable and calibrated flat spring member extended in prolongation of the shank of one of said tong members, and means including a latch member pivotally attached to the extended shank of the other of said tong members to prevent the spring from being stressed in the initial position of said spring.

2,002,496
METHOD OF ROASTING SULPHIDE ORE
Horace Freeman, Montreal, Quebec, Canada, assignor to Nichols Engineering & Research Corporation of Canada, Limited, a corporation of Canada
Application March 25, 1932, Serial No. 601,138
16 Claims. (Cl. 75—60)



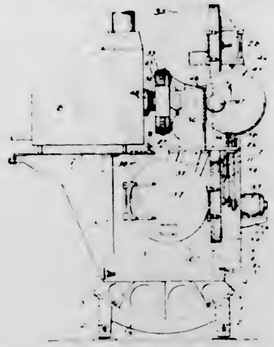
1. The process of treating sulphide ores or concentrates which comprises reacting said ores and concentrates, in a state of subdivision between substantially 250 mesh and colloidal, in suspension in a fluid medium with an oxidizing agent under conditions favorable to the formation of sulphur dioxide, the large ratio of surface area to the mass of the particles permitting a rapid oxidation of the sulphur, maintaining the area of roasting and the sulphur dioxide gases while in the chamber above the temperature of formation of sulphur trioxide, and permitting the heat of the reaction to radiate from the particles whereby fusion of the particles themselves is prevented.

2,002,497
HIGH VAPOR EXPANSION TURBINE
Homer M. Barber, Reno, Nev.
Application February 3, 1933, Serial No. 655,123
1 Claim. (Cl. 122—41)



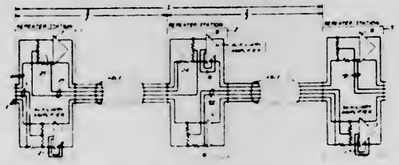
In a high pressure generator, a heating chamber, a plurality of heating elements extending into said heating chamber, said elements being spaced one from the other, the outer surfaces of said heating elements being in close proximity to the surface of said heating chamber, each of said heating elements having a recess formed therein, the recesses of the adjacent heating elements being opposed to each other, a ball positioned between said heating elements and within said recesses, means for injecting fine jets of water against said balls, and an outlet port communicating with said heating chamber.

2,002,498
PROJECTING MACHINE AND THE OPTICAL SYSTEM THEREFOR
Joseph D. Basson, New York, N. Y.
Application December 29, 1931, Serial No. 583,669
7 Claims. (Cl. 88—24)



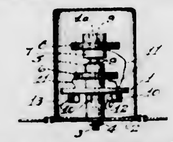
1. In a moving picture picture apparatus, the combination with a main frame, of two supports pivotally connected to the front end of the main frame to move outwardly from said main frame about a vertical axis and in turn inwardly to be locked to said main frame adjacent to one another in projecting position, two projector devices, each having a lamp, a light aperture, a projecting lens, and a film feeding mechanism, the lamps being mounted on said main frame and the film feeding mechanisms being mounted on said supports respectively in registration with said lamps in projecting position, the projecting lenses being disposed in close proximity to each other when the supports are locked to the main frame and the focal axes of the projector devices converging in projecting position to alternately project from either projector onto a given screen area, and two parallel adjacent lamp housings mounted on the rear of said frame and in alinement with and adjacent to the rear end of said light apertures when in projecting position, one of said lamps being mounted in each of said housings, said supports when swung outwardly affording access both to the front of said lamps and to said film feeding mechanisms.

2,002,499
WAVE TRANSLATION SYSTEM
Harold S. Black, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1932, Serial No. 635,525
16 Claims. (Cl. 178—44)



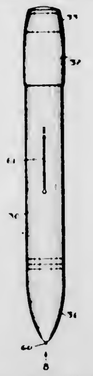
1. A wave translating system comprising a wave propagation path extending from one of two geographically separated points to the other, a wave amplifying device in said path, said amplifying device having a feedback path extending from one of two geographically separated points to the other and feeding back gain-reducing waves in said amplifying device.

2,002,500
HIGH-FREQUENCY COUPLING DEVICE
Alfred Crossley and Herbert E. Meinema, Chicago, Ill., assignors to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 10, 1934, Serial No. 719,905
4 Claims. (Cl. 171—242)



1. A high-frequency coupling device including a concentrated primary winding and a concentrated secondary winding, a ferro-magnetic core for each of said windings, said primary winding having a natural frequency lower than any frequency to which said secondary winding is intended to be tuned, said cores being adjacently and coaxially disposed and relatively adjustable, whereby the electro-magnetic coupling between said primary winding and said secondary winding may be conveniently adjusted to any desired value within the range of said device.

2,002,501
COMBINATION WRITING IMPLEMENT
Giuseppe Donato, Philadelphia, Pa.
Application February 9, 1934, Serial No. 710,390
10 Claims. (Cl. 120—9)

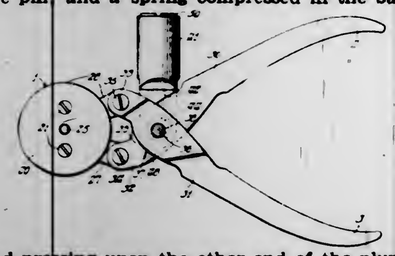


1. A pen structure comprising a barrel having a conoidal extremity provided with a plurality of perforations adapted for the exsertion of writing parts, said perforations being connected by a vent.

2,002,502
SWAGING MACHINE
Harry A. Douglas, Bronson, Mich.
Application December 15, 1932, Serial 647,327
Renewed August 20, 1934
15 Claims. (Cl. 81—15)

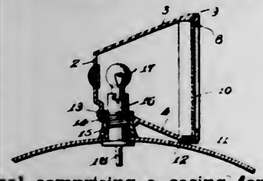
1. In a hand swaging device, a pair of levers having intercalated bifurcated ends: a pivot pin passing through said ends, one of the levers having holes receiving said pin closely therethrough and the other lever having relatively larger holes loosely receiving said pin, said holes being in register; a spring barrel transverse to the levers, said barrel having one end bifurcated and fixed to the bifurcations of the lever having the larger holes; holes in said bifurcated end of the spring barrel registering with the holes in the lever to

which it is fixed; a plunger housed in said barrel, one end of the plunger having an arcuate recess therein receiving the pivot pin and together with the holes in the other lever providing a seat for the pin, and a spring compressed in the barrel



and pressing upon the other end of the plunger to normally maintain the pivot point in fixed position with respect to both levers but yieldable to permit the pin to move with respect to one of the levers upon a predetermined resistance to relative movement thereof.

2,002,503
DIRECTION SIGNAL FOR AUTOMOBILES
Charles Foti, Arnold, Pa., assignor of one-third to John Speranza and one-third to Marco D. Achille, both of Arnold, Pa.
Application November 19, 1930, Serial No. 496,730
1 Claim. (Cl. 177—329)



A signal comprising a casing formed with a transparency in one wall thereof and with a bottom wall inclined upwardly to lie in a plane at an acute angle to the plane of said lens and provided with an opening disposed adjacent its highest point, a sleeve for seating on a vehicle fender in surrounding relation to an opening formed therein, means on said sleeve to engage the bottom of said fender, and a socket threaded in the sleeve, the upper end of the sleeve being receivable in the opening in the inclined bottom wall of the casing and the latter having a fastener to fixedly engage it with the sleeve, whereby the lens carrying end of the casing may seat on the curved upper face of the vehicle fender, while the sleeve engaging portion remains elevated from the fender.

2,002,504
TELEPHONE HANDSET SWITCH
George A. Graham and George O. Tapper, Fort Monmouth, Oceanport, N. J.
Application September 26, 1932, Serial No. 634,914
8 Claims. (Cl. 179—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a telephone handset, including a transmitter, a receiver, and a hollow connecting handle; a switch assembly comprising in a unitary structure self-restoring spring contact elements mounted within the handle; and means to effect the circuit controlling action of said elements in groups, said means comprising a cam co-acting with said spring elements; and a lever located to operate entirely clear of the surface of said handle and forming part of the switch assembly for actuating the cam, said lever being formed with a pair of oppositely extending



finger grips to permit manipulation of said handset by either hand, and each of said grips providing a different selective control of the switching action.

2,002,505
PREPARATION OF EMULSIONS OF THERMOPLASTIC MATERIALS
Arthur Warren Hixson, Leonia, N. J., and Jacob Mitchell Fain, Brooklyn, N. Y.
No Drawing. Application February 23, 1932, Serial No. 594,732
13 Claims. (Cl. 134—1)

1. The process of stabilizing a hydrophilic dispersion of thermoplastic material which comprises incorporating therewith tannin material and a protective colloid capable of being precipitated by a heavy metal salt, and mixing a heavy metal salt with said dispersion to precipitate said protective colloid and convert said tannin material to a heavy metal tannate sol.

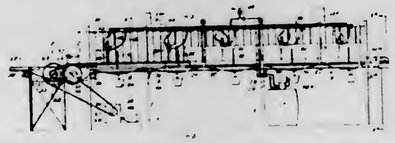
2,002,506
TRUSS STRUCTURE
Hamilton L. Loudenback, Sidney, Ohio, assignor of one-third to Clarence F. Loudenback, Sidney, Ohio
Application November 3, 1931, Serial No. 572,825
4 Claims. (Cl. 108—23)



1. A wooden multi-ply arched truss structure comprising spaced upper and lower chord members, each of said chord members comprising segments arranged end to end and in butting contact, sheathing members connected to the opposite faces of the chord members and bridging the space therebetween, compression members secured against the outer faces of the sheathing

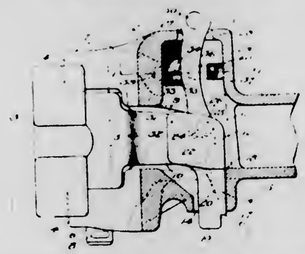
members at opposite sides of the upper and lower chord members, said compression members also comprising segments arranged end to end and in butting contact, sheathing members secured to the outer faces of the compression members and bridging the space therebetween, the sheathing members being diagonally disposed with the members of the sheathing at one side of the chords being inclined in a direction opposite to the inclination of the sheathing members at the opposite side of the chords and the sheathing members secured to the outer faces of the compression members being inclined in a direction opposite to the inclination of the sheathing members connecting the chord members, struts interposed between and coplanar with the segments of the upper and lower chords, and additional struts interposed between and coplanar with the compression members of the upper and lower chords.

2,002,507
COATING APPARATUS
Sidney C. Porter, Newell, W. Va., assignor to The Globe Brick Company, Kenilworth, W. Va., a corporation of West Virginia
Application August 26, 1931, Serial No. 559,468
20 Claims. (Cl. 91—45)



1. In apparatus of the class described, the combination of conveying means for supporting bricks in upright position on their side faces in side by side spaced parallel relation and conveying them in such position from a loading station to an unloading station, said conveying means comprising a main section, a delivery section consisting of a driven endless belt and stationary transfer devices disposed between said sections and over which the bricks slide from said main section to said delivery section, and means for spraying the bricks while moving along said main section.

2,002,508
COUPLER
Willard F. Richards, Depew, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application March 22, 1929, Serial No. 349,131
12 Claims. (Cl. 213—128)



1. In combination, a coupler head with walls defining a mechanism pocket, a knuckle pivoted thereto, a locking block vertically movable in said pocket and guided by said walls, a lock lifter operating in an aperture in the upper wall of said head and having trunnion means with a flattened normally vertical side interlocking with said block, said block having a slot extending diagonally rearward and upward, from a pocket adapted to pivotally receive and normally provide for interlocking of the trunnion means therein, and in width corresponding with the minimum width of the trunnion means, to provide for assembly and disengagement with respect to said lifter only when the block and lifter are disposed in an abnormal angular relation.

2,002,509
SUCTION CLEANER
Frederick Riebel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application February 27, 1933, Serial No. 658,684
15 Claims. (Cl. 15—155)



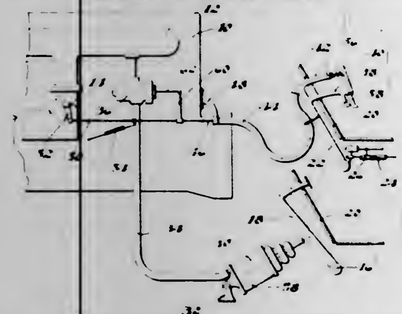
1. In a suction cleaner, a floor tool, a supporting roller, a mounting attached to the floor tool, said mounting including a projecting movable part on which said roller is journalled and a resilient portion which resiliently transfers the weight of the cleaner to the roller, and adjusting means carried solely by the mounting for varying the tension in said resilient portion, whereby to vary the normal riding position of the floor tool determined by the balance between the weight of the cleaner and the tension in said resilient portion when flexed under said weight, and whereby said floor tool may be manually depressed below any of said normal riding positions, against the tension of said resilient portion.

2,002,510
BUILDING CONSTRUCTION
Maurice C. Rosenblatt, Philadelphia, Pa.
Application November 18, 1931, Serial No. 575,829
7 Claims. (Cl. 72—18)



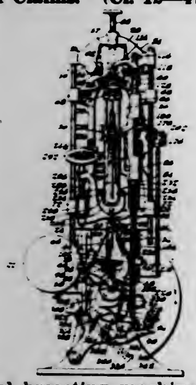
1. An acoustic block comprising a hardened sheet of cementitious material having a reinforcing rib formed on one surface and having a plurality of tapering apertures extending through the sheet from one surface to the other adjacent said rib, said apertures arranged with their larger ends in the surface having the rib.

2,002,511
CONTROL MECHANISM
Roy S. Sanford, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application August 28, 1931, Serial No. 560,005
2 Claims. (Cl. 192—.01)



1. A vehicle provided with a throttle, a valve controlled fluid power operated clutch, and a brake, and a common manually operable means for controlling the operation of each of said controls, said means comprising a pedal member, means interconnecting said pedal and brake, a supplemental clutch and throttle control pedal member pivotally mounted on said brake pedal member, a flexible conduit connected at one of its ends to a fixed portion of the vehicle and at its remaining end to said brake operating pedal, a flexible connection connected at one of its ends to said supplemental pedal and at its remaining end to said throttle, and a connection interconnecting the control valve of said clutch operating power means and said flexible connection whereby the clutch and throttle may be operated with operation of the supplemental pedal and the brake may be operated, with operation of the first mentioned pedal to the exclusion of the operation of the throttle and clutch.

2,002,512
HEEL BREASTING MACHINE
Thomas H. Seely, Melrose, and Milton H. Ballard, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 16, 1932, Serial No. 642,920
111 Claims. (Cl. 12—47)



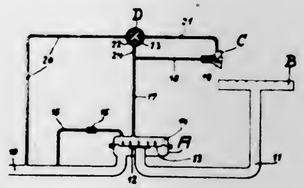
13. In a heel breasting machine, a breasting knife, a knife slide, and a knife actuator mounted in said slide and arranged for measured movement relatively to said slide.

30. In a heel breasting machine, a shank presser, a presser post, a head in which said post is slidably mounted, connections between said head and a source of power, and pawl and ratchet connections between said head and said post.

54. In a heel breasting machine, a shoe supporting jack yieldingly supported and arranged for straight line movement toward and from operative position.

87. In a heel breasting machine, a shoe supporting jack, a heel stop, and means actuated by the cutting thrust of the knife for locking the heel stop in heel engaging position.

2,002,513
CONTROLLING ARRANGEMENT FOR A GAS BURNER
Friedrich Wilhelm Stockmeyer and Wilhelm Römmelt, Stuttgart, Germany, assignors to Junkers & Co., Gesellschaft mit beschrankter Haftung, Dessau, Germany
Application June 6, 1932, Serial No. 615,676
In Germany June 18, 1931
8 Claims. (Cl. 158—117.1)

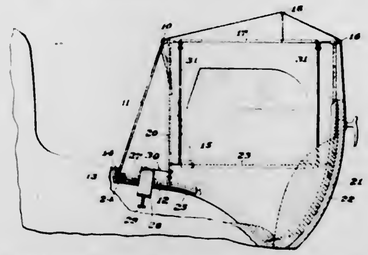


1. A controlling arrangement for a gas burner comprising the combination with a gas burner, of a valve chest, a main supply valve and diaphragm therefor dividing said valve chest into a main gas chamber and a control chamber and operable under difference of pressure in the chambers to control the supply of gas to the burner, a gas main connected to said main gas chamber, a burner conduit between the burner and said main gas chamber controlled by the said valve, a pilot burner, a pilot conduit between the control chamber and said pilot burner, a thermostatic valve responsive to the heat of the pilot burner and operative to control said pilot conduit, a throttled connection between the said chambers, a by-pass conduit around said thermostatic valve and extending between the gas main and said pilot burner, and means including a valve in said by-pass conduit automatically connecting said control chamber directly to the main pressure gas supply upon opening said by-pass conduit.

2,002,514
REMOVABLE RUMBLE SEAT TOP
Earl S. Tupper, Shirley, Mass.
Application August 8, 1932, Serial No. 627,819
Renewed November 10, 1933
23 Claims. (Cl. 296—99)

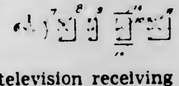
1. A removable top for the rumble seat of an automobile in which the rumble seat opening presents a gutter at its front and sides, comprising a front frame having a front bottom rail to seat in said front gutter and two relatively short side bottom rails to seat in said side gut-

ters, means for detachably securing said frame in place, a roof member connected to said front



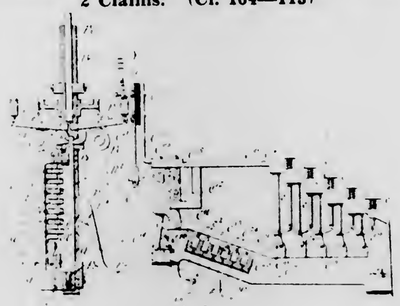
frame and side members connected to said roof member.

2,002,515
PRODUCING COLOR IN TELEVISION
Robert H. Worrall, Washington, D. C.
Application August 9, 1932, Serial No. 628,090
12 Claims. (Cl. 178—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



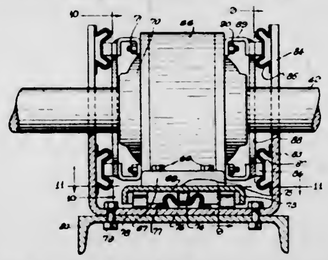
1. In a television receiving device, a source of light, a condensing lens disposed to receive light from said source, a polarizing and an analyzing prism disposed in the path of the beam from said lens, a means adapted to change the polarization by double refraction of said light operatively positioned between said prisms, said means including a cell comprising photo active material and means to apply a fluctuating electric field thereto, means for biasing the cell, and means to restore the optical characteristics of the beam back to their unbiased condition.

2,002,516
TAPE PERFORATING MACHINE
William Ackerman, Towners, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application March 22, 1929, Serial No. 349,240
2 Claims. (Cl. 164—113)



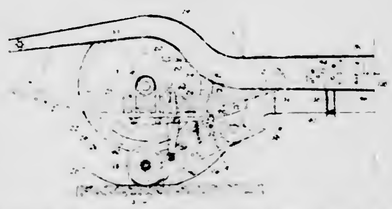
2. A perforating machine including, in combination, a tape perforating mechanism for producing a series of symbols representative of a line of characters to be reproduced by the tape, a keyboard, code devices acting in response to the actuation of the keyboard to control the operation of said perforating apparatus, a magazine containing a set of typographical elements, means controlling the release of said elements from the magazine, a series of power-operated reeds for actuating said releasing means, a series of intermediate locking bars movable to active or inactive position singly or in groups to establish different combinations in controlling the operation of the individual reeds, and means also controlled by the keyboard for operating said bars.

2,002,517
ANTIVIBRATION BOAT CONSTRUCTION
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1931, Serial No. 545,706
6 Claims. (Cl. 115—34)



6. In a resilient construction for boats, a boat frame, a propeller shaft, means for rotating said shaft, a thrust bearing supporting said shaft on said frame, and resilient, flat, spring clips associated with said thrust bearing for permitting both vertical and axial movement of said shaft relative to said frame.

2,002,518
POWER DRIVEN VEHICLE
James H. Baldwin, New Milford, Conn.
Application February 27, 1932, Serial No. 595,479
Renewed October 16, 1934
7 Claims. (Cl. 180—15)

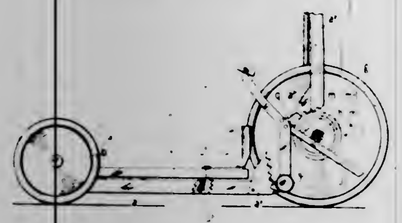


2. In a power driven vehicle, a pair of axially aligned wheels having ground contacting tires provided with rims, and auxiliary mechanism including a pivotally mounted gripper belt frame, belt rollers carried thereby, a gripper belt on said belt rollers, a power take-off roller in driving relation with the periphery of one of said tires for driving one of said belt rollers, and mechanism for pivotally moving said gripper belt frame in one direction to bring a portion of said gripper belt into ground contact in line with the ground contacting portions of said wheels, and in the reverse direction to bring the lowest part of said auxiliary mechanism above the lowest part of the rim of its associated tire.

2,002,519
PROCESS FOR THE ISOLATION OF WATER-SOLUBLE VITAMINS
Richard J. Block, New York, N. Y., and George R. Cowgill, Hamden, Conn., assignors to Simon J. Dannenberg, New York, N. Y.
No Drawing. Application April 20, 1932, Serial No. 606,514
6 Claims. (Cl. 167—81)

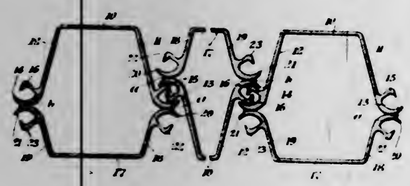
1. In a process for the isolation of water-soluble antineuritic vitamins from materials containing them, the steps which consist in oxidizing the impurities in the presence of an organic solvent for the vitamins and separating the vitamin solution from the precipitated impurities.

2,002,520
SCOOTER
Daniel J. Bontrager, Portland, Oreg.
Application July 17, 1931, Serial No. 551,338
8 Claims. (Cl. 208—37)



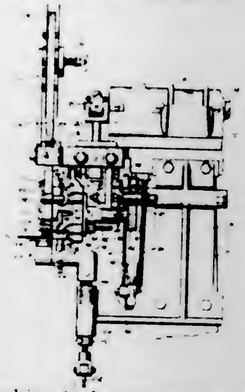
1. A toy of the character described including a frame, a platform carried by said frame, a wheeled support for said frame, said support including one non-steering wheel, a foot lever mounted adjacent said non-steering wheel, and a pawl-and-ratchet mechanism adapted to connect said foot lever with said wheel, the pawl of said mechanism being externally arranged with respect to the ratchet, said pawl being gravity engaged and being unrestrained, thus being adapted to be disengaged by centrifugal force.

2,002,521
BOX PILING
Adolf Borberg, Short Hills, N. J., assignor to Dortmund Hoerder Huettenverein Aktiengesellschaft, Dortmund, Germany, a corporation of Germany
Application January 5, 1934, Serial No. 705,363
5 Claims. (Cl. 61—61)



1. In combination, a series of three or more box pile units, each of said units comprising a pair of half wave arched web pile sections of unequal depth, each section having along each of its edges an interlock member, the pile sections of each pair being rigidly secured together along their edges with their concave faces inward and the two edges of one section adjacent the two edges of the other section to form a box, said series of box pile units being interconnected with their deeper arched sections alternately disposed with respect to the series axis.

2,002,522
MACHINE FOR ROUGHING SHOE PARTS
Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 20, 1931, Serial No. 569,938
6 Claims. (Cl. 51—57)



2. A roughing tool comprising a carrier member having a backing roll at its outer end, and means for guiding an abrasive band in a loop about said roll, including a centrally disposed friction member, and releasable presser members arranged to press the band against the opposite sides of said friction member.

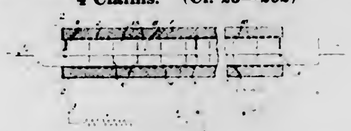
2,002,523
PROCESS OF PREVENTING CORROSION
Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 23, 1932, Serial No. 624,361
10 Claims. (Cl. 252—5)

1. The process of decreasing the corrosion of a metal in contact with an aqueous medium which comprises adding to the medium a small amount of an alkylated phenol as corrosion inhibitor.

2,002,524
THERMAL TREATMENT OF GASES AND VAPORS
Adrien Cambron and Colin Hahnemann Bayley, Ottawa, Ontario, Canada
No Drawing. Application February 23, 1933, Serial No. 658,098
5 Claims. (Cl. 260—170)

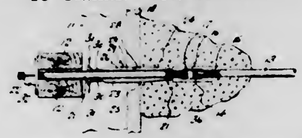
1. In the thermal treatment of hydrocarbon gases or vapors in an externally heated reaction zone the process which comprises maintaining within the zone a temperature in excess of 700° C., causing said gases or vapors to flow through a continuous unobstructed narrow space along the heated wall of said zone and abruptly varying the linear velocity of the gases or vapors at successive points in their flow in said space along said heated wall.

2,002,525
THERMAL TREATMENT OF GASES AND VAPORS
Adrien Cambron and Colin Hahnemann Bayley, Ottawa, Ontario, Canada
Original application February 23, 1933, Serial No. 658,098. Divided and this application January 31, 1934, Serial No. 709,202. In Canada February 18, 1933
4 Claims. (Cl. 23—252)



1. Apparatus for the thermal treatment of gases which comprises an externally heated reaction chamber having a heated wall and a plurality of spaced baffles in said chamber all of which are arranged to provide a plurality of narrow unobstructed annular passages between said baffles and the heated wall of said chamber and an eddy-forming zone between each successive pair of baffles.

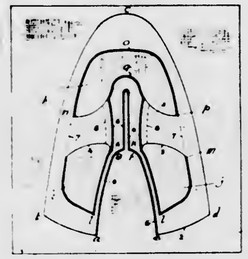
2,002,526
CONCRETE FORM HOLDING MEANS
Samuel S. Colt, Orange, N. J.
Application February 6, 1934, Serial No. 709,942
10 Claims. (Cl. 25—131)



1. In concrete form holding means, an internal tie-rod, an exteriorly projecting bolt-rod, a coupler means to join said tie-rod and bolt-rod, and a sleeve loosely slidable over said bolt-rod, said sleeve being adapted to penetrate a form wall from the exterior thereof to cover the inner end portion of said bolt-rod between the form wall and said coupler means.

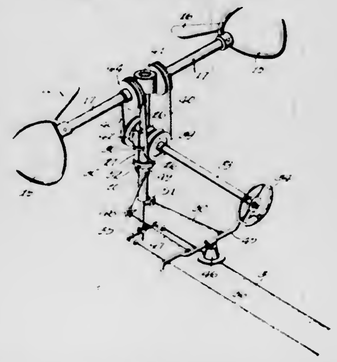
2,002,527
METHOD OF SECURING A PREFORMED AND CONTINUOUS SHEET OF UNVULCANIZED RUBBER TO A PORTION OF A FABRIC UPPER
István Dorogi and Lajos Dorogi, Budapest, Hungary, assignors to Magyar Ruggyantaarugyár Részvénytársaság, Budapest, Hungary
Application May 25, 1933, Serial No. 672,853
In Austria January 31, 1933
4 Claims. (Cl. 18—59)

3. A method of securing a preformed and continuous sheet of unvulcanized rubber to a portion of the fabric upper of a shoe so that part of said upper remains exposed, which consists in pressing the rubber sheet substantially in a single direction which is perpendicular to the fabric sheet of which the upper is made and while said sheets are substantially flat, and while the rubber is heated, the pressure being directly applied to the rubber along and within a line which follows the margin of the part of the upper which is to be exposed, the heat and pressure being sufficient to drive the rubber into the fabric, the fabric remaining uncut at the margin of its exposed part, and simultaneously cutting the rubber and fabric at their outer margins, and removing the waste rubber which



corresponds to the part of the upper which is to be exposed.

2,002,528
AEROPLANE STEERING MECHANISM
Harry A. Douglas, Bronson, Mich.
Application October 5, 1931, Serial No. 566,933
5 Claims. (Cl. 244—25)

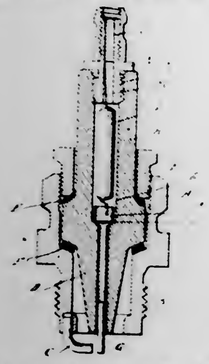


1. An aeroplane steering mechanism, comprising: rudder means; a plurality of propeller means, each movable in a definite path; and interconnected control means connected with said propeller means and with said rudder means, said control means being operable to adjust said rudder means, and also operable to move said propeller means in opposite directions in said paths and simultaneously operable to move said propeller means in the same direction in the same paths, said control means also having mechanism operable to independently change the relative positions of said propeller means in any position of adjustment.

2,002,529
SPARK PLUG
Rex J. L. Dutterer, Toledo, Ohio, assignor to Defiance Spark Plugs, Inc., Toledo, Ohio, a corporation of Ohio
Application March 12, 1934, Serial No. 715,242
3 Claims. (Cl. 123—169)

1. In a spark plug, an insulator provided with a recess in the upper portion thereof, an electrode secured in the lower portion of said insulator and having its end projecting into said recess, a terminal post at the upper end of said insulator, a suppressor unit suspended within said recess and spaced from the walls thereof

to be out of heat conducting contact therewith, and an electrical connection of small thermal



conductivity between said unit and said electrode.

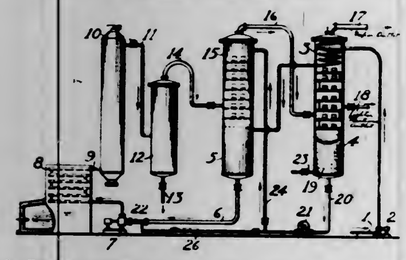
2,002,530

RECYCLING PROCESS FOR CRACKING OIL

Frank H. Edson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 29, 1931, Serial No. 533,607

2 Claims. (Cl. 196—48)



1. In a continuous recycling process for cracking hydrocarbon oil, the steps which comprise cracking the oil at elevated temperature and under elevated pressure, vaporizing a portion of the thus cracked oil under reduced pressure, partially fractionating the vapors to produce a first condensate, recycling the condensate through a pump to the cracking step, condensing fractions of the remaining vapors to produce a second condensate and a desired vapor, and recycling the second condensate under greater pressure than the pressure on the first condensate directly to the intake of the pump at a velocity directed in the direction of said first condensate entering the intake of said first pump and high enough to cause the combined oils in the intake side of the pump to closely follow the pump plunger upon its suction stroke without substantial vaporization.

2,002,531

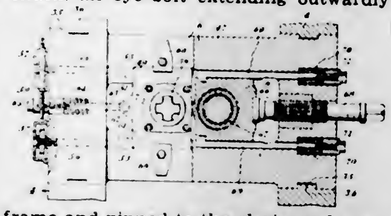
ROLLING MILL

Gustaf L. Fisk, Pittsburgh, Pa., assignor to Mesta Machine Company, Homestead, Pa., a corporation of Pennsylvania

Application May 5, 1931, Serial No. 535,169

1 Claim. (Cl. 80—55)

In a rolling mill, a housing, a frame adjustable therein, a bearing chuck seated in said frame, and means for yieldingly holding the chuck in its seat comprising a clevis formed on the chuck, an eye-bolt extending outwardly of



the frame and pinned to the clevis, and a spring for urging said eye-bolt longitudinally.

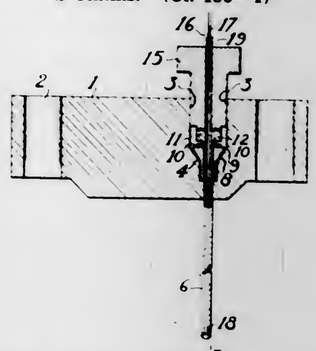
2,002,532

THERMOCOUPLE

Richard E. Flatley, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 24, 1931, Serial No. 564,857

2 Claims. (Cl. 136—4)



1. A thermocouple comprising a tube having an open end with a tapered seat, a closure secured to the end with a cooperating tapered seat, and a pair of elements of dissimilar metal extending through the tube and secured to the closure to form a thermo-electric junction.

2,002,533

PROCESS FOR SEPARATION OF HYDROCARBONS AND THEIR OXYGEN-CONTAINING DERIVATIVES

Per K. Frolich, Cambridge, Mass., and James W. Pugh, Breckenridge, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 21, 1928, Serial No. 279,600

6 Claims. (Cl. 260—116)

1. The process of extracting aliphatic oxygen-containing compounds from their mixtures with normally fluid hydrocarbons comprising treating the mixture at superatmospheric pressure with an extraction agent comprising a major quantity of methyl alcohol.

6. The process of obtaining aliphatic oxygen-containing derivatives of hydrocarbons from their mixtures with normally fluid hydrocarbons, comprising suitably contacting the mixture under a pressure between 1000 and 3000 pounds per square inch with a solvent comprising a major quantity of methyl alcohol, separating the two phases and washing the hydrocarbon phase with any suitable solvent adapted to remove the extracting agent.

2,002,534

METHOD FOR THE PRODUCTION OF NORMALLY LIQUID HYDROCARBONS FROM GASEOUS OR LOWER BOILING HYDROCARBON MATERIALS

Per K. Frolich, Elizabeth, N. J., assignor to Standard Oil Development Company

No Drawing. Application September 10, 1930, Serial No. 481,070

10 Claims. (Cl. 196—10)

1. An improved process for obtaining valuable higher boiling hydrocarbons from gases containing large amounts of lower boiling saturated hydrocarbons containing more than one carbon atom which comprises cracking the lower boiling materials whereby a substantial proportion of unsaturates is formed together with free hydrogen, subsequently adding to the mixture a gas rich in an oxide of carbon, causing the oxide of carbon and hydrogen to react and then polymerizing the unsaturated hydrocarbons.

2,002,535

GRIP FOR HANDLES

George E. Gagnier, Detroit, Mich.

Application September 14, 1932, Serial No. 633,147

3 Claims. (Cl. 273—81)



1. A handle for operation by the hands comprising a centrally disposed support, a pile fabric covering for said support, said covering being disposed on said support with the pile of said fabric extending outwardly and said fabric and outwardly extending pile being impregnated with a tenacious rubber-like substance.

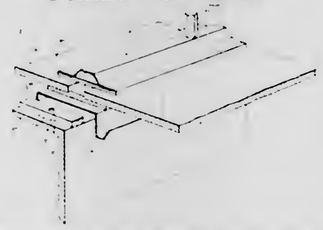
2,002,536

GLAZING CONSTRUCTION

Sanford K. Huston, Jr., Chicago, Ill.

Application September 10, 1934, Serial No. 743,397

4 Claims. (Cl. 108—16)



1. A support for a glazing construction comprising a rafter bar providing a plurality of holes in its upper edge, a plurality of apertured spacer members respectively overlying said holes and each providing detent means extending through the adjacent holes in operative engagement with the bar, a longitudinally extending supporting member resting upon the spacer members and providing a plurality of apertures respectively in register with the apertures in the spacer members, a plurality of bolts having their lower ends respectively extending through said registering apertures and each providing a shoulder in engagement with the supporting member, and a nut threaded on the lower end of each bolt to clamp the shoulder into close fitting engagement with the supporting member.

2,002,537

PRINTING INK

Eugene J. Kelly, Kalamazoo, Mich.

No Drawing. Application February 14, 1934, Serial No. 711,229

8 Claims. (Cl. 134—35)

1. A printing ink which is quick drying at a temperature range between 300° and 400° F., consisting by weight of from 5% to 65% of dry pigment, 2% to 10% of a high melting point wax, of the class of organic waxes consisting of carnauba, japan, bayberry and Montan waxes, 3% to 18% of low viscosity nitro-cellulose, 30% to 70% of volatile solvent thinner, and 10% to 40% of plasticizer.

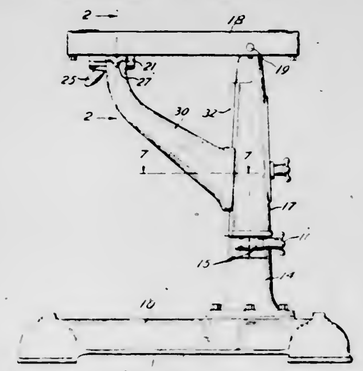
2,002,538

SUPPORTING PEDESTAL

Albert Kindelmann, Floral Park, and Charles L. Ragot, New York, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware

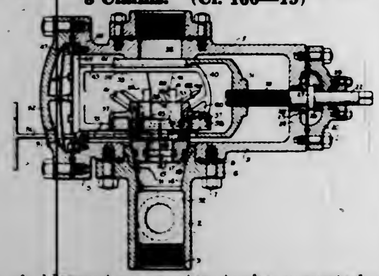
Application July 30, 1932, Serial No. 626,580

8 Claims. (Cl. 248—41)



6. A pedestal construction for motion picture projectors which comprises a base plate, a column for supporting said base plate, said base plate being pivotally connected at one end to the aforementioned supporting column, an arm extending from said column to the other end of the base plate, a slotted member on the plate, a cam mounted in said slot, means supporting the cam and mounted on the end of said arm, means for turning the cam to adjust the end of the plate around its pivot point, said column having downwardly diverging front and rear surfaces, and clamping means connected to the arm and engaging said divergent surfaces, the loosening of the clamping means causing a gravity drop of the arm along the column proportionate to the amount the clamping means is released.

2,002,539
CONTROL HEAD
Walter E. King, Houston, Tex., assignor to Reuben L. Waxler and Jess Hardcastle, Houston, Tex.
Application July 11, 1932, Serial No. 621,874
8 Claims. (Cl. 166—15)

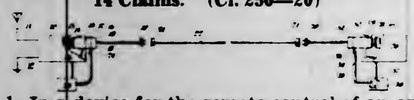


1. A blowout preventer to be mounted on a casing head including a housing, a pair of sealing elements therein to seal about a pipe and within the casing head, means to operate said elements from sealing to non-sealing position, and means to detach said elements from said blowout preventer whereby a seal may be maintained by said elements about the pipe while said blowout preventer housing is removed.

2,002,540
PLASTIC MASSES AND PROCESS OF MAKING SAME
Wilhelm Kraus, Vienna, Austria, assignor, by mesne assignments, to American Cyanamid Company, a corporation of Maine
No Drawing. Application June 16, 1930, Serial No. 461,646. In Austria December 21, 1929
3 Claims. (Cl. 260—3)

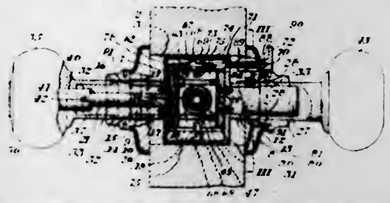
1. The process which comprises reacting thiodicyandiamidine with formaldehyde to produce a condensation product suitable for use as a heat-setting plastic material.

2,002,541
REMOTE CONTROL OF ELECTRICAL DEVICES
Henry Rogers Mallory, Rye, and Samuel Ruben, New Rochelle, N. Y., said Ruben assignor to said Mallory
Application October 12, 1933, Serial No. 693,251
14 Claims. (Cl. 250—20)



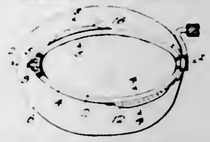
1. In a device for the remote control of an amplifier and associated speaker unit of a radio receiver, the combination with residence lighting conductors, a tuner unit, low impedance coupling connecting said tuner unit to the residence lighting conductors, an amplifier and associated speaker unit, low impedance coupling connecting said amplifier and associated speaker unit to the residence lighting conductors, of a switch between one side of the circuit of said amplifier and speaker unit and one of said residence lighting conductors, a selective responder unit connected to the residence lighting conductors and associated with said switch mechanically to operate the same, and a selective energizer connected to the residence lighting conductors remote from said selective responder unit for supplying a control current to said residence lighting conductors to be carried thereby to said selective responder unit for initiating operation thereof.

2,002,542
LATCH AND LOCK MECHANISM
James P. McKinney, Jr., Pittsburgh, Pa., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn.
Application July 15, 1932, Serial No. 622,578
31 Claims. (Cl. 70—91)



3. Lock structure, comprising a bolt, a retractor therefor, manually operable means for operating the retractor, means for holding the retractor against movement in one direction, means at the periphery of a portion of said manually operable means for operating said holding means, and key operable means for operating said last mentioned means.

2,002,543
GOGGLES
Emil B. Meyrowitz, New York, N. Y., assignor to E. B. Meyrowitz, Inc., a corporation of New York
Application January 15, 1930, Serial No. 420,830
7 Claims. (Cl. 2—14)



1. In a goggle, in combination, an annular eyecup including a cushion receiving rim portion, an annular cushion having an axially extending circumferential attaching lip, and a metallic reinforcing annular band fitting interiorally of the lip and secured thereto, the lip fitting within the rim portion and the rim portion and band having complementary projections and recesses and one of them being deformable so as to permit insertion and removal of the lip.

2,002,544
ANNEALING SHEET GLASS
William L. Monro, Pittsburgh, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1934, Serial No. 743,207
14 Claims. (Cl. 49—89)

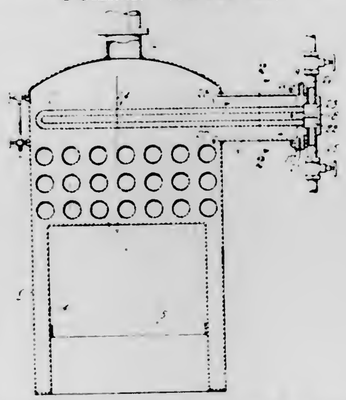
1. In the method of making sheet glass, the steps consisting in continuously drawing a glass sheet from a bath of molten glass contained in a drawing pit, moving the glass continuously in a vertically extending direction until it has been annealed and cooled, and so controlling the surrounding temperature of the glass that the temperature of the glass is reduced to between substantially 1100° F. and 850° F. while inside the drawing pit.

6. In the method of making sheet glass, the steps consisting in drawing glass in sheet form from a bath, moving it continuously in a vertically extending direction until it has been annealed and cooled and while substantially enclosed from the atmosphere, and injecting a cooling gas into the enclosure substantially at a point



where the temperature of the glass is between 1100° F. and 850° F.

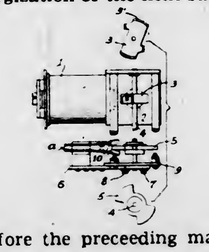
2,002,545
WATER HEATING SYSTEM
Virgil Moray, New York, N. Y.
Application October 6, 1933, Serial No. 692,536
4 Claims. (Cl. 122—32)



1. In combination, a boiler having walls, including side walls, defining a water space, fire tubes extending through said space substantially parallel to said side walls, a hollow member secured within an opening formed in one of said side walls, and water heating tubes of substantially greater length than the width of said boiler positioned within said hollow member and extending into said water space substantially at right angles to said fire tubes.

2,002,546
ELECTRIC MOTOR AND CONTROL THEREFOR
Konrad Müller, Berlin-Siemensstadt, and Fritz Döring, Berlin-Frohnau, and Josef Wantosch, Berlin-Reinickendorf-O, Germany, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a German company
Application June 16, 1932, Serial No. 617,658
In Germany June 18, 1931
8 Claims. (Cl. 172—36)

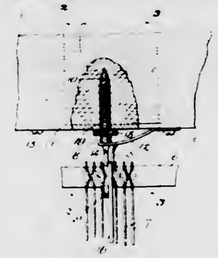
1. In an electric motor comprising stationary magnets having pole pieces and a rotor, switching means operated by the rotor for energizing said magnets in succession, said switching means causing energization of the next succeeding magnet pole before the preceeding magnet is deenergized.



2,002,547
METHOD OF DECOMPOSING RAW PHOSPHATES
Sven Gunnar Nordengren, Landskrona, Sweden, assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden, a Swedish joint-stock company
No Drawing. Application September 23, 1931, Serial No. 564,720. In Sweden September 1, 1931
9 Claims. (Cl. 23—165)

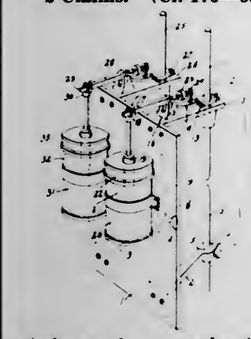
1. The process for decomposing raw materials containing phosphoric acid and calcium, which consists in treating said materials with mineral acid in the presence of sulphuric acid radical to produce decomposition, subjecting the reaction mass at the latest after said inital decomposition to such a solution vapor pressure that the calcium sulphate produced will take up at most ½ mol. of water of crystallization and thereby form stable crystals which may safely be subjected to washing with aqueous liquids and yet retain their content of water of crystallization unaltered in amount, by regulating the concentration of the phosphoric acid present in the mass and the temperature according to the formula $2P+t=$ at least 186 when P = concentration of the phosphoric acid expressed in percentage of weight of P_2O_5 of the mother liquor, and t = the temperature in °C.

2,002,548
SUPPORT FOR HEDDLE BARS
Ralph Ragan, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 6, 1932, Serial No. 645,905
6 Claims. (Cl. 139—92)



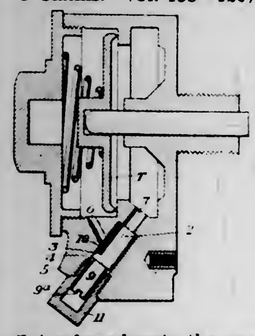
1. The combination with a heddle frame, of a pin mounted on a rail thereof and having a shoulder adapted to receive a heddle bar, a spring mounted on said rail and having its free end forked and straddling the pin and provided with a prong adapted to engage the heddle bar, and a locking nut mounted on the pin and adapted to be turned into binding engagement with the spring.

2,002,549
ARC LAMP
Elmer C. Richardson, Los Angeles, Calif., assignor to Mole-Richardson, Inc., Los Angeles, Calif., a corporation of California
Application September 27, 1933, Serial No. 691,143
2 Claims. (Cl. 176—58)



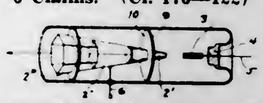
1. In a twin-arc lamp mechanism, a vertical supporting plate, a pair of juxtaposed brackets extending from the lower portion of said plate on one side thereof for supporting a pair of lower carbons, a pair of means also mounted on said plate adjacent the upper end thereof for supporting a pair of upper carbons above said lower carbons, each of said means comprising a lever fulcrumed in front of said plate, means on the forward end of said lever for supporting the associated upper carbon, the rear end of each lever extending to the rear of said plate and having a downwardly extending magnetic core attached thereto, a solenoid surrounding each core and comprising a current coil connected in series with the associated arc and a potential coil connected in shunt to the associated arc and poled to oppose the current coil of that solenoid, and a movable counterweight on each lever means for balancing that lever and its associated carbon and magnetic core to compensate for variations in the potential of the current from which the arc is energized.

2,002,550
VALVE
George A. Robertshaw, Greensburg, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application September 17, 1926, Serial No. 136,039
5 Claims. (Cl. 158—120)



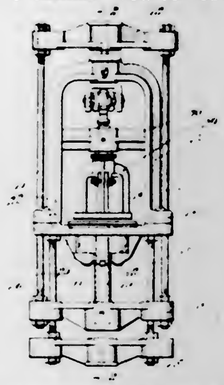
1. In a pilot valve wherein the passage for the gas for the pilot flame is so small as to cause difficulty by the deposition of gum-like material when controlled by a needle valve, a body having a cylindrical bore, a hollow plug having one end closed and fitting tightly therein so as to be slidable axially thereof, a supply passage intersecting said bore, and an axial slot in said plug longer than the diameter of said passage, and means for limiting axial movement of said plug to preclude variation of the flow of fluid therethrough by such movement.

2,002,551
GLOW DISCHARGE DEVICE
Michael Schmierer, Berlin, Germany
Application August 12, 1929, Serial No. 385,314
In Germany August 18, 1928
6 Claims. (Cl. 176—122)



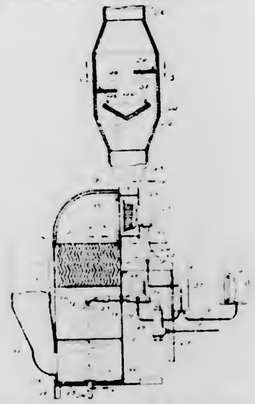
1. In an electric glow lamp for producing light spots of different size and configuration in accordance with input currents of varying intensity, comprising a glass tube filled with an inert gas at reduced pressure, a hollow cathode in said tube of tapering shape with an opening at its apex and having successive variations of its cross-section configuration, an anode arranged outside of said cathode and means to produce electric discharge glow on the inside surface of said cathode, with the direction of vision being in the direction of the longitudinal axis of said cathode.

2,002,552
SPECIMEN SUPPORTING DEVICE
David C. Scott, Providence, R. I., assignor to Henry L. Scott Company, a corporation of Rhode Island
Application January 26, 1932, Serial No. 588,964
8 Claims. (Cl. 73—51)



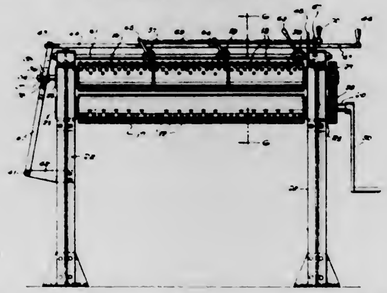
6. A specimen supporting device for a testing machine comprising two relatively movable head members, one of which receives the specimen to be tested, a deck plate on said last-mentioned head member having an opening therethrough, a pair of removable specimen clamp members on said plate having registering openings therein, means carried by the clamp members for centering said clamp members with reference to each other, a yoke member, means for guiding said yoke member toward and from said deck plate, a spring for raising said yoke member, and cam means for moving said yoke member toward said plate for binding action.

2,002,553
HUMIDIFIER AND AIR WASHER
Herbert J. Somers, Detroit, Mich.
Application March 2, 1932, Serial No. 596,195
4 Claims. (Cl. 183—25)



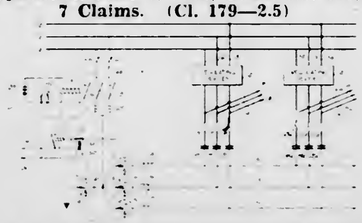
1. In an air conditioner of the class described, a housing having an air inlet and an air outlet, said inlet and said outlet being spaced apart; a humidifying unit located between said inlet and said outlet in the path of travel of the air; means for causing air to enter said housing at said inlet and pass therefrom through said outlet; spray delivery means for delivering a spray of moistening medium on to said unit and against the direction of travel of the air through said housing; a hood for said housing; and a layer of sound deadening and moisture absorbing material covering the inner surface of said hood and exposed to the air traveling therethrough.

2,002,554
APPARATUS FOR SPLICING STRIPS OF PAPER
William Townley, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1931, Serial No. 546,718
18 Claims. (Cl. 164—99)



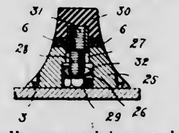
1. In an apparatus for splicing moving strips of paper, a plurality of punches mounted for independent rotation and arranged adjacent one side of a moving strip of paper, and a rotatably mounted die member positioned adjacent the opposite side of said strip of paper, said die member registering and rotating in unison with said punches to form slits and tongues in said strip and a second superposed strip, for splicing said strips together.

2,002,555
PROTECTIVE SYSTEM
Arthur M. Trogner, Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application June 4, 1932, Serial No. 615,365
7 Claims. (Cl. 179—2.5)



3. A protective system comprising the combination with a multi-phase commercial alternating current transmission system including a number of different phase lines, a multi-phase carrier frequency energy supply system including a plurality of phase lines corresponding to the phase lines of said commercial alternating current transmission system, and a coupling device and current limiting device in series therewith connected between each of the corresponding phase lines of said transmission system and said supply system, of a group of relays each of which includes an operating electromagnet connected in one of the phase lines of said supply system, a separate relay having an operating electromagnet common to all of said phase lines of said supply system, a circuit from at least two phase lines of said transmission system to all of the phase lines of said supply system for directing commercial alternating current thereto, and an electromagnetically operated contactor for controlling said circuit, said contactor being operated under the collective control of said group of relays and said separate relay when short-circuiting of said coupling device in any of said phase lines occurs.

2,002,556
SHOE CLEAT
Ira Irl Tubbs, Superior, Wis.
Application April 4, 1931, Serial No. 527,637
7 Claims. (Cl. 36—59)

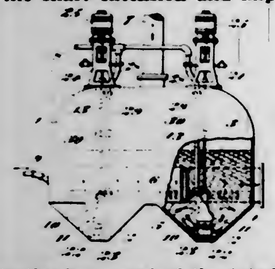


1. A shoe calk comprising a base attachable to the wearing surface of a shoe sole, a tip, and means carried by the base for screw threadedly receiving the tip, said means comprising a bolt reciprocable within the base, but non-rotatable therein.

2,002,557
EJECTOR FOR SATURATORS
Charles E. Underwood, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application April 2, 1932, Serial No. 602,661
26 Claims. (Cl. 23—273)

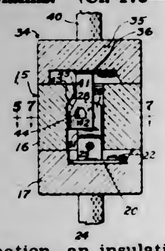
8. In an ejector for saturators or the like comprising a tubular structure, a pump shaft having its lower end journaled in the tubular structure, a pump mounted in the lower end of the tubular structure and secured to the pump shaft adapted to discharge material from the saturator, a shaft

projection secured to the lower end of the pump shaft, an impeller secured to the lower end of the shaft extension, a sleeve perforated at intermediate points and open at its lower end surrounding the shaft extension and impeller and



attached to the lower end of the tubular structure, said impeller adapted to circulate material contained in the saturator through the lower open end and perforations and around the inner and outer side walls of the sleeve, and means for simultaneously rotating the pump and impeller.

2,002,558
INTERLOCKING CONNECTION
Charles Theodore Von Holtz, Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application December 24, 1931, Serial No. 582,950
5 Claims. (Cl. 173—328)



5. In combination, an insulating body having spaced recesses and spaced openings leading to said recesses, contacts in said recesses, a cap carrying spaced contacts to be inserted through said openings to engage the body contacts on relative longitudinal movement of the cap and body, said recesses and openings being of a size to permit relative lateral sliding movement of the contacts of the cap and body on one another on relative rotary movement between the cap and body, said body contacts each including a yieldable member having a laterally curved lug pressed therefrom to form a shoulder, the cap contacts each having an opening to receive said lugs and cooperate with the shoulders to lock the cap and body against casual separation, and sides of the openings engaging the rounded sides of the lugs to force them from the openings on relative lateral sliding movement of the contacts transversely of and on one another on relative rotary movement between the cap and body.

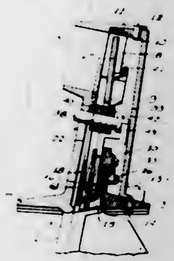
2,002,559
MEANS FOR SURGICAL RESECTION
Frederick Charles Wappler, New York, N. Y.
Application April 13, 1932, Serial No. 604,934
5 Claims. (Cl. 174—89)

1. In an instrument of the character described, a fenestrated endoscopic tube insertable into a body cavity, a wire electrode substantially parallel to the tube axis and arranged adjacent to said fenestra in normally retracted position within the confines of said tube, and means for moving said electrode laterally out of said fenestra; said means comprising a pair of parallel links pivoted



to opposite ends of the electrode respectively, the other ends of said links being pivoted to the tube, and control means extending rearwardly along the tube and adapted to rock at least one of said links.

2,002,560
COIN CHUTE
Thomas W. B. Watling, Chicago, Ill., assignor to Watling Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1934, Serial No. 730,564
1 Claim. (Cl. 194—97)

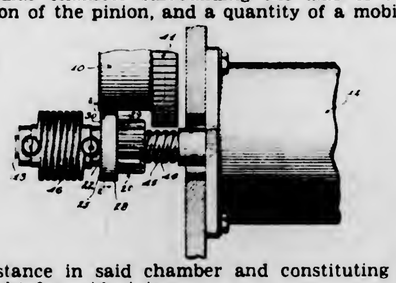


In a coin chute, a guideway having a stationary portion and a movable portion normally alined with each other to permit coins to travel edgewise from the movable portion into the stationary portion, said stationary portion comprising a front plate and a rear plate defining a coin channel, said front plate having a coin inlet therein, the inner face of said front plate having a recess below said inlet, said movable portion comprising a pair of relatively shiftable walls hinged to said rear plate, means for normally retaining said walls in definite spaced relation to each other, the upper edge of one of said walls normally extending into said recess, a spring normally urging said movable portion into alinement with said stationary portion, a manually operable pin extending through said front plate adjacent said inlet and engaging the other of said walls for shifting said movable portion out of alinement with said stationary portion, and a stop on a stationary portion of the chute for limiting the movement of said one wall whereby said pin is operable to shift said other wall a greater distance than said one wall to expand said movable member for releasing any coin which may be wedged in said movable portion.

2,002,561
STARTER CONSTRUCTION
Reginald E. Wike, Detroit, Mich.
Application November 7, 1932, Serial No. 641,670
5 Claims. (Cl. 74—7)

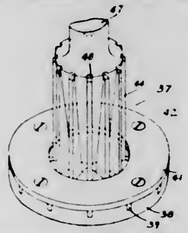
1. In a starter construction, the combination with a threaded shaft, a threaded pinion thereon, and a gear to be started by the pinion, of means carried by said pinion providing a sealed

annular chamber surrounding the axis of rotation of the pinion, and a quantity of a mobile



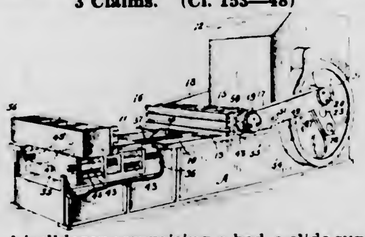
substance in said chamber and constituting a weight for said pinion.

2,002,562
TOOL FOR MAKING DYNAMO ELECTRIC MACHINE ELEMENTS
Vincent G. Apple, deceased, late of Dayton, Ohio, by Herbert F. Apple, Edward M. Apple, and Gourley Darroch, executors, Dayton, Ohio
Original application June 10, 1929, Serial No. 369,564. Patent No. 1,934,903, dated November 14, 1933. Divided and this application November 1, 1933, Serial No. 696,288
1 Claim. (Cl. 29—84)



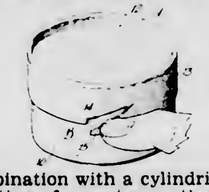
A coil seating tool of the character described comprising a base, a plurality of horizontally disposed radial grooves in said base, a plurality of radially movable jaws slidably secured in said grooves, said jaws having vertically extending parts at their inner ends arranged in the form of a cylindrical cage, said vertically extending parts being wider at the base than at the upper end the outer edges of said parts all being parallel to the axis and the inner edges at an angle thereto, and a downwardly movable center plug having grooves on its outer face fitted to the inner tapered edges of the said vertically extending jaw portions.

2,002,563
BULLDOZER
Cyril J. Bath, Shaker Heights, Ohio
Application April 8, 1932, Serial No. 604,000
3 Claims. (Cl. 153—48)



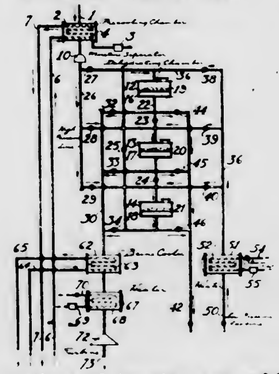
1. A bulldozer comprising a bed, a slide supported by said bed adjacent one end thereof, a nut carried by said slide, a screw shaft engaging said nut and extending longitudinally of said bed, means adjacent the end of said bed remote from said slide for preventing longitudinal movement of said screw shaft, a worm wheel keyed to said screw shaft, a shaft supported adjacent said worm wheel, a worm on said shaft engaging said worm wheel, and a reversible electric motor for rotating said shaft.

2,002,564
QUICK-OPENING CAN TOP
Renold Bergman, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application July 7, 1934, Serial No. 734,151
2 Claims. (Cl. 229—51)



2. In combination with a cylindrical container, a cap consisting of a center portion and a cylindrical flange depending therefrom and formed of fibrous material with the grain running diagonally from the rim of the cap flange and upwardly toward the line of juncture of the flange with the center, the flange having formed therein a diagonally extending slot-like aperture running with the grain from a point near but inside of the rim of the flange to a point below the said line of juncture and below the upper edge of the container with which the cap is associated, the slot-like aperture affording a tapering end portion adjacent thereto adapted to have its tip broken free from the rim of the cap flange to afford a grasping tab adapted to facilitate the tearing of the grain beyond the slot-like aperture to loosen the cap for removal.

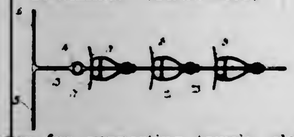
2,002,565
UTILIZATION OF HIGH PRESSURE GAS
Ralph D. Booth, Brookline, Mass., assignor of one-half to Jackson & Moreland, a partnership and one-half to Standard Oil Development Company, a corporation of Delaware
Application September 13, 1932, Serial No. 632,946
6 Claims. (Cl. 62—136)



1. The method of treating gas, which comprises partially expanding the gas to perform

work whereby the gas is chilled, dehydrating the thus treated gas, passing the dehydrated gas in heat exchange with a warmer substance, and further expanding the thus treated gas to perform additional work.

2,002,566
HANGER FOR SUPPORTING TOWELS, CLOTHS, AND OTHER ARTICLES
Mostyn Reeve Conigrave, Subiaco, Western Australia, Australia
Application October 13, 1933, Serial No. 693,422
In Australia August 21, 1933
10 Claims. (Cl. 24—248)



1. Hanger for supporting towels, cloths and other articles comprising a body having a vertical opening therein and a looped trip catch having two legs pivoted to the body at one side of the opening to engage the body at the other side of the opening so that under gravitational influence it will rest against the back part of the opening.

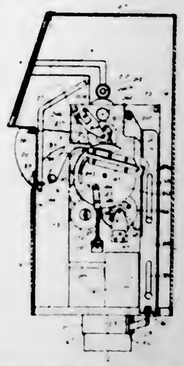
2,002,567
HONING TOOL
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application January 8, 1934, Serial No. 705,664
7 Claims. (Cl. 51—184.2)



1. A honing tool including, in combination, a spindle, spiders mounted on said spindle for movement to and away from each other, abrading elements carried by said spiders for rotating said elements therewith, and means movable laterally of said spiders for effecting the radial movement of the abrading elements when the spiders are relatively moved toward and away from each other, and means for relatively moving said spiders.

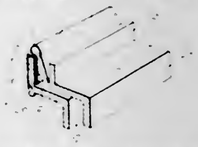
2,002,568
TOWEL VENDING CABINET
Joseph Darman, Utica, N. Y., assignor to Utica Towel Cabinet Corp., Utica, N. Y., a corporation of New York
Refiled for abandoned application Serial No. 232,148, November 9, 1927. This application January 24, 1934, Serial No. 708,144
2 Claims. (Cl. 194—75)

1. In a towel vending cabinet, means for exposing a towel, a gear for controlling the operation of said means, a coin chute on said gear to support a coin and a vertically movable member having means to engage a coin for actuating said



gear, said chute being arranged to permit the coin to rest against the vertically movable member while supported in said chute in the path of the means on the said vertically movable member.

2,002,569
WEATHER STRIP
William J. Dennis, Chicago, Ill.
Application October 2, 1933, Serial No. 691,801
2 Claims. (Cl. 189—65)

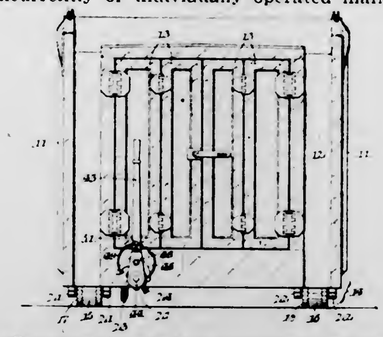


1. A casement window weather stop of the kind described consisting of a sheet of spring metal rolled over lengthwise at a spaced distance from one free edge to provide a cooperating strip, the free edge of the cooperating strip being bent back upon itself and thence laterally back and inwardly toward the cooperating strip to form a channel, the last mentioned extending part being operative to frictionally engage a stop which is seated within the channel whereby the channel portion is retained on the stop.

2,002,570
SHIPPING CONTAINER
Robert Faries, St. Davids, and James B. McWilliams, Pittsburgh, Pa.
Application October 24, 1933, Serial No. 694,994
7 Claims. (Cl. 280—3)

1. In a shipping container of the character described, a supporting chassis with laterally-spaced endless traction belts; a divided drive shaft composed of sections with sprockets for the respective traction belts; opposing bevel gear wheels on the contiguous ends of the sprocket shaft sections; an actuating shaft with a polygonel end accessible at one side of the container; a bevel pinion on said actuating shaft in mesh with one of the bevel gear wheels; a sleeve free on the actuating shaft terminating in a polygonal end somewhat inward of the polygonal end of the actuating shaft and carrying a bevel pinion in mesh with the other of the aforesaid gear wheels; and means attachable to the squared ends respectively of the actuating shaft and

sleeve whereby the traction belts may be either concurrently or individually operated manually



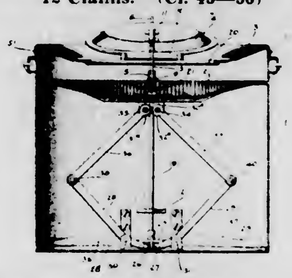
to effect straight-away or curvilinear progression of the container.

2,002,571
ADVERTISING BOOK MATCHES AND THE LIKE
Joseph Farrelly, Pelham, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Maryland
Application October 11, 1933, Serial No. 693,073
4 Claims. (Cl. 40—126)



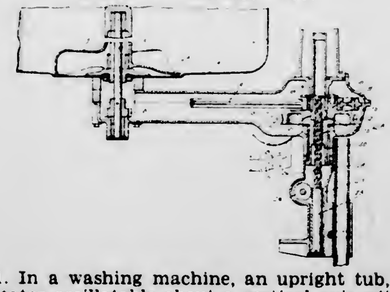
1. As a new article of manufacture an advertising packet comprising a cover of flexible material and a plurality of individually removable splints, said cover including a flap portion foldable over the free upper ends of and upon the front of the splints and having a tab portion in hinged relation to the body of the cover at the fold thereof adjacent the free ends of the splints thereby projecting upwardly beyond the splints when the flap is thus folded, the outer faces of said flap and tab portions bearing a pictorial representation of the article to be advertised.

2,002,572
MINNOW PAIL
Thomas C. Forbes, Hopkins, and Oscar R. Hedberg, Minneapolis, Minn.
Application July 10, 1930, Serial No. 467,032
12 Claims. (Cl. 43—56)



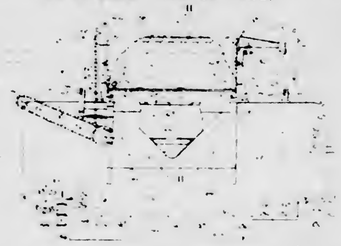
1. A live fish enclosure having a perforate bottom vertically movable therein, and having a hinged lid, and toggle and lever means connected to the enclosure and to the lid to cause the bottom to move toward the lid when the lid is opened.

2,002,573
CONTROL FOR GYRATOR-TYPE WASHING MACHINES
Lee B. Green, Lakewood, Ohio, assignor to The Borden Company, Warren, Ohio, a corporation of Ohio
Application July 26, 1932, Serial No. 624,782
3 Claims. (Cl. 259—101)



1. In a washing machine, an upright tub, an agitator oscillatable about a vertical axis within the tub, a continuously rotating member; instrumentalities operatively connecting the agitator with the rotating member whereby the rotation of that member oscillates the agitator, an adjusting mechanism whereby the stroke of the agitator effected by the said instrumentalities can be varied without halting the rotating member, the said mechanism comprising a plurality of movable elements, and a stop element in the path of movement of a certain one of the said movable elements of the adjusting mechanism, the stop element being positioned for engagement by the said certain one of the movable elements for positively preventing the actuation of the adjusting mechanism in the stroke-reducing direction beyond a point where the oscillation of the agitator is only slightly greater than the minimum required for continually urging water within the tub radially outward along the bottom of the tub from under the agitator; and a stationary casing supporting the said movable elements, the said stop element being fast with respect to the casing and the said one of the movable elements being movable respectively toward and away from the said stop element by relatively opposite actuations of the adjusting mechanism.

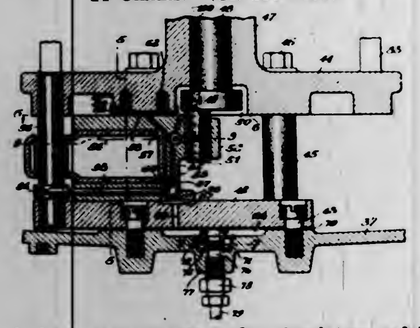
2,002,574
AREA MEASURING MACHINE
George T. Hart, Jr., and Erastus E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 14, 1933, Serial No. 702,372
16 Claims. (Cl. 33—121)



1. In an apparatus for measuring pieces of work, a photo-electric cell, a source of light spaced with respect to said cell, means arranged

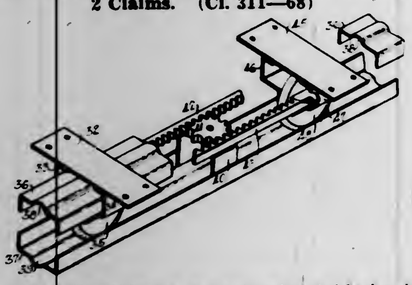
to feed a piece of work into position between said source of light and sail cell, an indicator calibrated to measure in units of area, arranged in circuit with the photo-electric cell and responsive to variations in said circuit induced by variations in the light reaching said cell, and means controlled by the work to hold the indicator in its position corresponding to the area of the work piece when the piece of work has been measured.

2,002,575
COMPRESSOR UNIT
Frederick J. Heideman, Rochester, N. Y.
Application June 4, 1931, Serial No. 542,181
14 Claims. (Cl. 230—175)



1. In a gas compressor for circulatory refrigerating systems, the combination with an oscillatory piston, and a reciprocatory and oscillatory cylinder cooperating therewith and provided with an exhaust port and an intake port, of means in direct relative sliding contact with the cylinder for opening and closing the intake port embodying a passage having a form substantially coincident with the path of the intake port as a result of the combined movements of the cylinder.

2,002,576
EXTENSION TABLE
Robert A. Holland and Alfred H. Holland, Winston-Salem, N. C.
Application September 5, 1933, Serial No. 688,202
2 Claims. (Cl. 311—68)



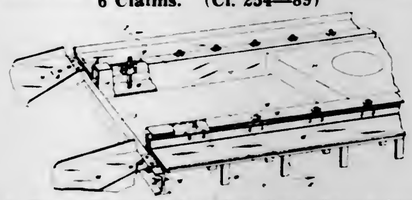
1. A table slide for an extension table having two slidable top sections comprising two, spaced parallel members adapted to be rigidly mounted on said table, each of said members comprising upper and lower bars spaced from each other and forming a guideway therebetween, a plurality of rollers positioned in each guideway, each roller being carried by a bracket which is adapted to be secured to the lower surface of one of the top sections, each of said brackets comprising a pair of depending arms positioned on each side of said upper bar to limit lateral movement of the bracket, there being at least two of said brackets associated with each top section and adapted to be positioned near the meeting edge of each top section, the brackets of one top section confronting those associated with the other section, and equalizer means associated with each of the confronting brackets and said parallel members.

2,002,577
HYDRAULIC SAFETY PIPE LINE REPAIR DEVICE
Herbert H. Ice, Muskogee, Okla.
Application February 4, 1931, Serial No. 513,372
1 Claim. (Cl. 137—99)



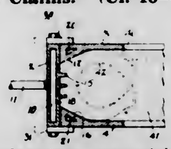
The method of repairing a broken pipe-line having an interior pressure greater than atmospheric pressure comprising disposing a flexible tubing over the broken portion of the pipe, disposing an enclosing ring over the tubing, applying clamping means to said ring, inflating said tubing with pressure higher than the pressure of the pipe, and welding the edges of said ring to the wall of the pipe.

2,002,578
WHEEL FREEING ATTACHMENT FOR AUTOMOBILE LIFTS
Frank R. Johnston, Des Moines, Iowa, assignor to Globe Machinery & Supply Company, Des Moines, Iowa, a corporation of Iowa
Application August 20, 1934, Serial No. 740,598
6 Claims. (Cl. 254—89)



6. In a lift of the class described, the combination of a main frame, means for elevating and lowering it, wheel supporting members carried by the main frame, means for permitting a limited up and down movement of the wheel supporting members relative to the main frame, and a wheel stop device fixed to the main frame and extended across the wheel supporting members, said wheel stop device being so positioned on the main frame as to be substantially flush with the wheel supporting members when the latter are in an elevated position relative to the frame, and to move above the wheel supporting members as the main frame moves upwardly relative to the wheel supporting members.

2,002,579
TIRE RETREAD VULCANIZER
William G. Lerch, Akron, and Arthur W. Stoner, Findlay, Ohio; said Lerch assignor of one-half of his entire right, and said Stoner assignor of his entire right to Master Tire and Rubber Corporation, Akron, Ohio, a corporation of Delaware
Application March 22, 1933, Serial No. 662,060
3 Claims. (Cl. 18—18)



1. A tire vulcanizer comprising a circumferential curing mold having a heating cavity therein, annular side plates fitting slidably within said mold and also having internal heating cavities, sloping shoulders on said side plates adapted to form the shoulders of a tire, the radially inner parts of said side plates being spaced from a tire in operation and means for holding said side plates in said circumferential curing mold around a tire being vulcanized.

2,002,580
MAKING LASTS
Clifford K. MacDonald, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 8, 1932, Serial No. 627,870
37 Claims. (Cl. 12—142)



1. That improvement in methods of making lasts which consists in making a cast of a foot, adding material to the lower portion only of said cast, and shaping the cast to the form of a last.

2,002,581
GOLF BAG
Joseph W. Osten, Chicago, Ill.
Application December 8, 1932, Serial No. 646,262
6 Claims. (Cl. 150—1.5)



1. A golf bag, a handle thereon, and stays on each side of the handle portion extending partially of the length of the golf bag and terminating near the longitudinal center of the bag.

2,002,582
KNOCK-DOWN BASKET
Howard M. Potter, Youngstown, Ohio
Application November 3, 1933, Serial No. 696,560
14 Claims. (Cl. 220—4)

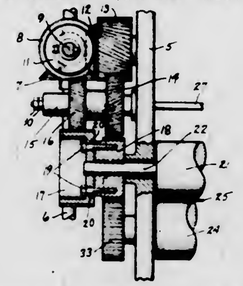


1. A floral basket comprising a container having a bottom and sides, a loop handle formed of strip material having inwardly extending lower ends, means beneath the container for releasably joining said ends, and means along opposite sides of the container adapted to receive opposite portions of the handle and thereby prevent relative lateral movement between the container and handle.

2,002,583
OZONIZATION PRODUCTS OF TERPENE ALCOHOLS AND METHOD OF PRODUCING
Lanning Parke Rankin, Norton, Kans., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application February 24, 1928, Serial No. 256,802. Divided and this application October 18, 1933, Serial No. 694,114
12 Claims. (Cl. 260—167)

1. The products of a terpene alcohol having one double bond which has been ozonized, heat-treated to effect decomposition and then chemically dehydrated.

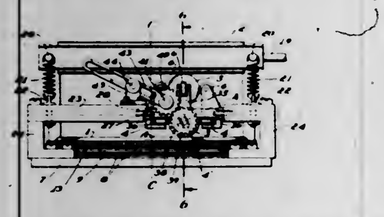
2,002,584
PRINTING PRESS ROLL SHIFTING MEANS
Harry H. Rawson, Spokane, Wash., assignor to Washington Machinery and Supply Company, Spokane, Wash.
Application November 17, 1933, Serial No. 698,451
2 Claims. (Cl. 101—248)



1. In a printing press comprising a frame having a pair of printing rolls mounted thereon, the combination with a system of driving gears one of which is a helical gear, and a system of driven gears arranged to rotate the printing rolls, of adjusting means for the rolls comprising a hollow hub having a pair of gears formed thereon in spaced apart relation, a rod slidably and revolubly mounted through the frame, said hub revolubly mounted on said rod and arranged to slidably move therewith, a threaded connection between the rod and frame, means for manually

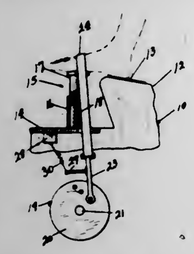
revolving the rod, one of the gears on the hollow hub having helical teeth meshing with the teeth of the helical gear of the driving gear system, the other gear meshing with one of the gears in the system of driven gears and said driven gears inter-meshed and connected to the printing rolls whereby the rotative position of both rolls is adjusted when the rod and hub is revolved.

2,002,585
VARIABLE SPEED MECHANISM
John J. Rothwell, Jr., Flushing, and Lemuel M. Stuart, Brooklyn, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application August 16, 1933, Serial No. 685,312
12 Claims. (Cl. 74—198)



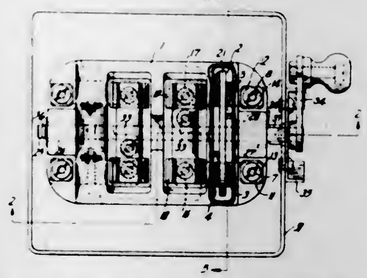
1. In a variable speed mechanism including driving and driven rotary members and a spherical transmitting member between them having rolling contact with the driving member, a shifting device with which the transmitting member is adjustable radially of the driving member, antifriction retainers for the transmitting member displaceable with the shifting device and comprising two opposing rollers contacting with the transmitting member, and means operable upon displacement of the shifting device to alter the angular relation of the axes of the rollers to said device to maintain the axes of the rollers in a plane with the axis of rotation of the transmitting member in all positions of the transmitting member.

2,002,586
MYOGENIC FOOT MANIPULATOR
Harry Ryberg, Jr., San Francisco, Calif.
Application December 12, 1934, Serial No. 757,139
1 Claim. (Cl. 174—89)



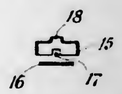
In a device of the class described for the treatment and manipulation of the feet, embodying compressible telescopic electrodes and a fixed heel electrode, crank mechanism carrying loops adapted to encircle the foot when placed on said electrodes and adapted to actuate said telescopic electrodes, and means for intermittently energizing said electrodes to cause current to flow from the ball of the foot to the heel thereof.

2,002,587
ELECTRIC CIRCUIT CONTROLLING MECHANISM
Joseph Sachs, West Hartford, Conn.
Application May 20, 1931, Serial No. 538,687
Renewed March 12, 1935
17 Claims. (Cl. 200—114)



7. In an electric switch, the combination of an insulating base having therein a relatively narrow recess open at the back and closed at its sides and ends, the said base also comprising a forward extending integral portion which at least partly closes the said recess at the front and constitutes a barrier at one side thereof, a pair of fuse contacts at the front of the base and separated from the said recess by the said barrier, a pair of opposed stationary switch contacts carried by the base and respectively positioned adjacent the opposite sides of the recess, a switching member positioned in the recess and movable between the switch contacts, the said switching member including a conducting contact element having contact faces adapted to engage the stationary switch contacts, means for supporting the switching member in the recess so as to permit movement thereof about a transverse axis perpendicular to the side walls of the recess, and means for moving the switching member about the said axis to cause the movable contact element thereof to engage or disengage the stationary switch contacts.

2,002,588
MACHINE FOR AFFIXING TWO-PART SEALS TO STRING
Oscar Schreyer, Horn, Thurgau, Switzerland, assignor to Hans Stoffel and Franz Leo Stoffel, Horn, Thurgau, Switzerland, trading as Stoffel & Sohn
Application September 25, 1933, Serial No. 690,960
In Switzerland October 25, 1932
19 Claims. (Cl. 153—1)

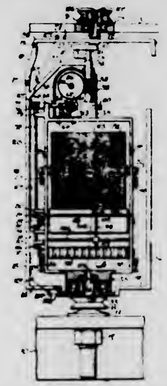


1. An automatic machine for affixing the capsule and disc of a seal to a spring placed in the machine, comprising a fixed affixing die having a cavity for the disc and slots for the string, a movable affixing die cooperating with the first named affixing die, the said dies being situated in a freely accessible space, capsule holding means on the movable affixing die for holding the capsule in position on the second named die, a feed member for inserting the capsule into the second named affixing die and a feed member for depositing the disc in the cavity of the first named die.

2,002,589
FRUIT TREATING COMPOSITION AND PROCESS OF TREATING FRUIT
Jagan N. Sharma, Berkeley, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Application October 12, 1932, Serial No. 637,549
8 Claims. (Cl. 99—8)

4. A process of treating fruit to retard decay from mold spores, which process comprises applying to the fruit a composition including a plastic waxy material having dissolved therein a chloramine, whereby the composition retains its chlorine content except as the compound is decomposed due to the liberation of chlorine as moisture is received by the coating.

2,002,590
TWISTING AND WINDING APPARATUS
Franklin H. Shinn, Norwood, N. C.
Application September 21, 1934, Serial No. 744,946
11 Claims. (Cl. 117—10)



1. In a twisting and winding apparatus comprising a pair of rotary eccentric fliers driven in timed relation to each other, a spooling frame mounted within said fliers and having one end supported by one of said fliers, a driven yarn receiving package mounted in the spooling frame, means connected to said spooling frame and engaging the other flier for holding the spooling frame stationary, and means for driving the yarn receiving package.

2,002,591
BOX OPENING DEVICE
Stephen P. F. Sneed, Atlanta, Ga.
Application May 27, 1932, Serial No. 613,854
4 Claims. (Cl. 220—43)



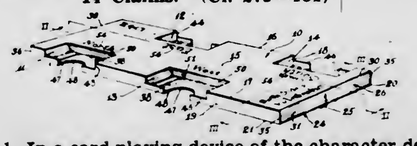
1. A box opening device of the class described, comprising a box, a filler loosely inserted in said box and having sidewardly projecting tabs bent over the edges of the box and held between the rims of the box and its cover; the ends of said tabs extending sufficiently beyond the rim of the cover to permit them to be grasped by the fingers of the user.

2,002,592
DISPENSING DEVICE
Joseph Stremel, Spokane, Wash., assignor of two-thirds to Nellie Stremel and one-third to Glen E. Syp, Spokane, Wash.
Application May 9, 1934, Serial No. 724,725
2 Claims. (Cl. 226—119)



1. A dispensing device comprising a flexible tube having an enlarged expansible mouth, a stopper formed integrally around said tube, said stopper having a vent hole therethrough, and an expansible bulb formed around said tube with its lower end fixed to the stopper and communicating with the vent hole therein, and its upper end having a vent hole therethrough.

2,002,593
CARD PLAYING DEVICE
Charles R. Walgreen, Jr., Chicago, Ill., assignor to Walgreen Co., Chicago, Ill., a corporation of Illinois
Application January 20, 1934, Serial No. 707,518
14 Claims. (Cl. 273—151)

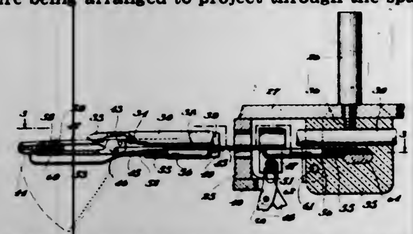


1. In a card playing device of the character described, the combination with a substantially rectangular body member, of a plurality of rectangular receptacles adjacently disposed transversely in the same plane for confinement by said body member, said receptacles having end openings for communication with one or the other sides of the body member for receiving and retaining the cards of each player in stacked relation in accordance with their original distribution, and means for differentiating each receptacle from the other to distinguish and designate the cards for each original player.

2,002,594
INSTRUMENT FOR ELECTRO-SURGICAL TREATMENT OF TISSUE
Reinhold H. Wappler, Yonkers, and Frederick Charles Wappler, New York, N. Y.; Frederick C. Wappler executor of said Reinhold H. Wappler, deceased
Application March 24, 1933, Serial No. 662,432
11 Claims. (Cl. 174—89)

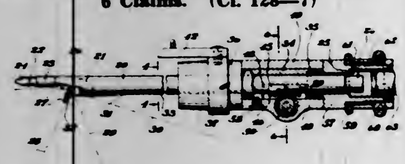
1. In an instrument of the character described, a pair of complementary U-shaped jaws pivoted to each other at the ends of the U's, means for pivoting said jaws relative to each other, an elec-

trode wire carried in insulated relation by one of said jaws in the plane of the axis of said jaw, said wire being arranged to project through the space



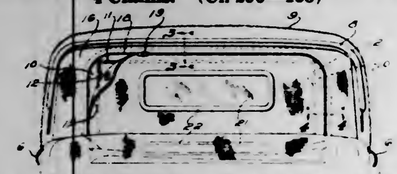
between the arms of the other jaw when the jaws are closed, and means insulated from the jaws for conducting a high-frequency current to said wire.

2,002,595
TELESCOPIC INSTRUMENT
Frederick Charles Wappler, New York, N. Y.
Application December 6, 1933, Serial No. 701,096
6 Claims. (Cl. 128—7)



1. In an instrument of the character described, the combination with a telescopic tube, a movable member at the forward end thereof, and a control rod extending rearwardly from said member; of a recessed sleeve around the rear end of the telescopic tube, a rack slidably mounted in said recess and connected to the rear end of said rod, and a tubular housing completely enclosing said sleeve and rack and carrying within it a pinion which meshes with said rack.

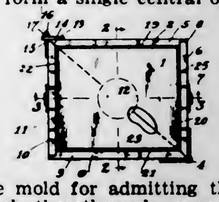
2,002,596
VEHICLE BODY
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application December 27, 1932, Serial No. 648,833
4 Claims. (Cl. 296—138)



4. A panel having an opening therein, a second panel having a larger opening therein and sealed outwardly of its opening with said first panel, a third panel of the size and shape of the opening in said second panel, and a single zipper element joining the third panel to said second panel and invisible through the opening in said first panel.

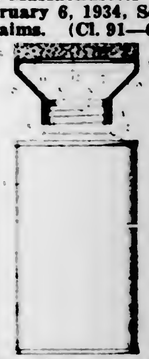
2,002,597
APPARATUS FOR MAKING CHEESE
William D. Williams, Atwood, Ontario, Canada
Application June 20, 1932, Serial No. 620,215
In Canada July 4, 1931
3 Claims. (Cl. 31—46)

1. In a mold for making cheese, an open-ended box-like mold comprising two similar parts, hingedly connected at one corner of the mold, and lockingly connected at the diagonally opposite corner of the mold, a pair of side walls on each part of the mold rigidly connected to each other, a rigidly mounted triangular bottom for one part of the mold having a recess therein, a second rigidly mounted triangular bottom for the other part of the mold having a recess therein, adapted to cooperate with the first-named recess, and form a single central opening in the



base of the mold for admitting the head of a pressure jack therethrough, a removable false bottom plate, within the mold, a removable and slidably mounted side plate on each side of the interior of said mold, and a top plate adapted to slidably operate within the removable side plates for compressing curd used in making cheese, when pressure is applied to the top and false bottom plates of the mold.

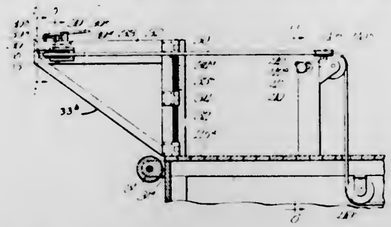
2,002,598
APPLICATOR FOR LIQUIDS
Allen Howland Wood, Jr., Winchester, Mass., assignor to C. M. Kimball Co., Everett, Mass., a corporation of Massachusetts
Application February 6, 1934, Serial No. 710,022
4 Claims. (Cl. 91—67.4)



1. A frictional applicator head for liquid containers, comprising a hollow molded rubber structure having a neck constructed and arranged for attachment to the open end of a container; a flexible flared body of materially greater cross sectional area than said neck and terminating in an enlarged portion surrounded by a laterally and inwardly extending flage, said flange cooperating with said flared body to form a liquid-retaining reservoir when the container is held in a substantially horizontal position; and a broad flat sponge rubber portion of substantially the same dimensions as the enlarged portion of the flared body, said sponge rubber portion being in contact with and secured to said flange and covering the opening formed by the inner marginal portions of the inwardly projecting flange.

2,002,599
DREDGE HOISTING APPARATUS
John M. Bennett, Joliet, Ill.
Application March 20, 1933, Serial No. 661,813
10 Claims. (Cl. 37—55)

1. A dredge hoisting apparatus for fishing vessels comprising a support projected from the side of the vessel, a dredge-dragging cable associated with the support and projecting from the same, means for hauling in the dredge to a position adjacent the support, means for pivoting the latter



whereby to carry the dredge to a position over the deck, a post on the latter, and a resilient bumper to receive the support and cushion its impact.

2,002,600
TARGET
James P. Bull, San Diego, Calif.
Application April 11, 1934, Serial No. 720,135
2 Claims. (Cl. 124—15)



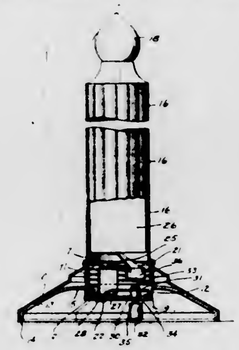
2. In an apparatus of the class described, a pair of shafts crossing each other intermediate their ends, means in which the ends of the shaft are journalled, target elements one secured to each shaft, panels on each shaft, the panel on one shaft being disposed adjacent the target element on the other shaft, the panels being disposed at an angle to the target element so that when a target element is hit and swung down the panel on its shaft will swing up in front of the other target element, and a scoring panel on each shaft at right angles to its target element.

2,002,601
SYNTHETIC RESINS AND PROCESS OF MAKING SAME
Alphonse Gams and Karl Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del.
No Drawing. Application October 16, 1929, Serial No. 400,153. In Switzerland November 6, 1928
6 Claims. (Cl. 260—130)

3. A molding composition comprising a mixture of an infusible but thermosplastic condensation product of a primary aromatic amine and a formaldehyde yielding compound with a minor portion of a fusible aldehyde condensation product.

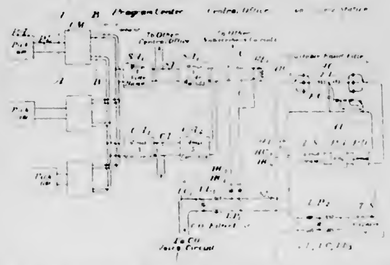
2,002,602
FLASH LIGHT OF CANDLE TYPE
Herman G. Graubner, New York, N. Y., assignor to National Carbon Company, Inc., a corporation of New York
Application April 4, 1932, Serial No. 603,187
5 Claims. (Cl. 240—10.64)

1. In a flashlight of the candle type having a base provided with a flange, a battery casing carried by said base, a battery within said casing, and a bulb mounted upon said casing; a dielectric plate carried by said flange and provided with an armed opening therein; a battery support secured to said plate; a switch spring having a keyhole-shaped slot therein secured to said plate in electrical contact with said battery support and adapted to make electrical contact with said flange to complete the electric circuit through said battery and bulb; a switch operating member having a groove therein by which it is held in said key hole slot and a collar thereon adapted



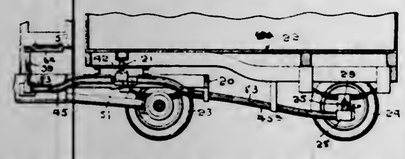
to pass through the center of said armed opening to rest on the top of said switch plate in one of said arms to hold said switch open, and to rest on said flange in the other of said arms to complete the electric circuit; said member extending below the bottom of said base when in the center of said opening so that said switch is open when the candle is resting on a flat surface.

2,002,603
PROGRAM DISTRIBUTION SYSTEM
Estill I. Green, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 10, 1933, Serial No. 660,321
5 Claims. (Cl. 179—15)



4. In a system for the distribution of intelligence, the method of carrier transmission which consists in producing a plurality of carrier frequencies, separately producing side bands of each of said carrier frequencies, segregating said carrier frequencies from said side bands, transmitting all the carrier frequencies over one transmission line, transmitting all the side band frequencies over another transmission line, amplifying the carrier frequencies at a plurality of locations along said transmission line, separately amplifying the side band frequencies at the same locations, combining the carrier and side band frequencies, transmitting the combined frequencies over a common transmission line and utilizing the received frequencies.

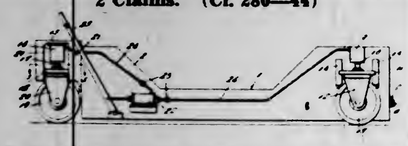
2,002,604
STEERING DEVICE FOR TRAILERS
Louis H. Johnson, San Antonio, Tex., assignor to Southern Equipment Company, San Antonio, Tex., a corporation of Texas
Application September 21, 1934, Serial No. 744,979
19 Claims. (Cl. 280—33.55)



2. In combination, a trailer chassis, supporting wheels for said chassis mounted for steering movements, a rotatable shaft carried by said chassis, means for imparting movement of said shaft to said wheels for effecting steering movement thereof, and releasable means to lock said shaft against rotation, a motor vehicle, a draft coupling between the trailer chassis and said motor vehicle, a manually operable steering member mounted on said motor vehicle, and separable coupling members connecting the manually operable member with said shaft.

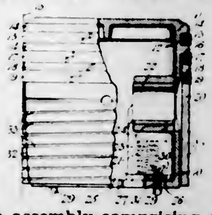
15. In combination, a motor vehicle, a trailer coupled with said motor vehicle, said trailer including a chassis and supporting wheels therefor mounted for steering movements, a shaft carried by said chassis, means for imparting movement of said shaft to said wheels for effecting steering movement thereof, and a steering device mounted on said motor car and coupled with said shaft, said steering device including a column, a shaft mounted therein, a steering lever mounted for pivotal movement about two axes, and a manually operable member for coupling said lever with said shaft for imparting rotary movement to the latter.

2,002,605
TRUCK
Thomas C. Kincaid, Jr., Steubenville, Ohio
Application August 11, 1934, Serial No. 739,489
2 Claims. (Cl. 280—44)



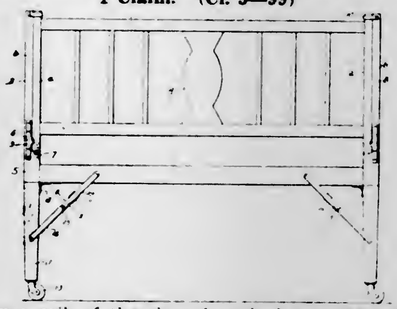
2. In a truck of the class described, a unit comprising a load engaging and elevating member, supporting flanges on said member adapted to engage a load, a cylinder secured to the front portion of said member, a reciprocating piston in said cylinder having a piston rod depending therefrom, a plate secured to the free end of said piston rod and being provided on its end with guide slots, a yoke depending from said plate, a wheel mounted in said yoke, angularly shaped guides secured to said member on each side of said plate and being receivable in said slot, an inverted U-shaped support and guide secured to the other end of said member, a cylinder depending from the bight portion of said support, a reciprocating piston in said cylinder having a depending piston rod, a plate secured to said piston rod having grooves in the end thereof for receiving the guides of said support, a yoke depending from said plate, a wheel mounted in said yoke, and hydraulic means for simultaneously actuating the pistons in said cylinders.

2,002,606
PISTON
Herman H. Kistner, Baltimore, Md.
Application June 3, 1932, Serial No. 615,189
16 Claims. (Cl. 309—15)



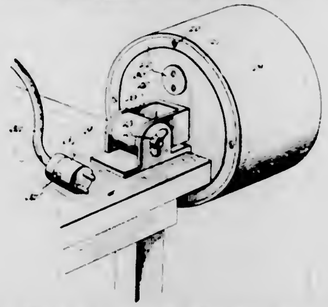
1. A piston assembly comprising a piston body having a head, a plurality of spaced sealing and guiding rings completely surrounding the body portion of said piston means for resiliently connecting the rings to the piston body and for maintaining each of said rings under uniform predetermined tensions, and shock absorbing ring means carried by said piston body and independent of said sealing and guiding rings for absorbing the explosive or compressive force of the charge.

2,002,607
FOLDING CRIB
Henry McDaniel, New London, Wis.
Application January 3, 1934, Serial No. 705,103
1 Claim. (Cl. 5—99)



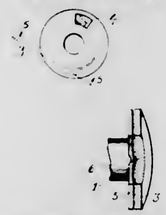
In a crib of the class described, a rectangular shaped frame including corner posts having their lower ends flush with the lower edge of the frame and their upper ends extending above the upper edge of the frame, each post having a notch in its upper end opening out through the inner edge of the post, the bottom wall of the notch forming a low shoulder and the upper end of the post forming a high shoulder, the low shoulder being located above the plane of the upper edge of the frame, a pair of side members, each including end posts, said end posts having their lower ends seated in the notches when the side member is in raised position with the lower ends resting upon the low shoulders and their outer edges, at the lower end thereof, resting against the vertical walls of the notches, hinges connecting the end posts to the corner posts, each hinge contacting a part of the inner face of an end post and of a corner post, whereby the side members can be swung inwardly upon a mattress and bed clothing supported by the frame, a pair of end members, each including a pair of end posts for resting upon the high shoulders when the end members are in raised position, a strap hinge connecting each of the last mentioned end posts with a corner post, said hinges contacting portions of the outer faces of the last mentioned end members and of the corner post, whereby said end members can be swung inwardly and downwardly upon the side members, the combined widths and thicknesses of the two end posts which are connected to each corner post being the same as the corner post, means for detachably connecting the upper end of each end post of each end member with the adjacent end post of a side member to hold the side and end members in upright position, and legs hingedly connected to the ends of the side members of the frame on the under edges thereof and engaging the lower ends of the corner posts when in upright position.

2,002,608
COMBINED ELECTRIC STOVE AND IRONING DEVICE
Ada A. MacDonald, Ithaca, N. Y.
Application March 2, 1934, Serial No. 713,723
11 Claims. (Cl. 219—19)



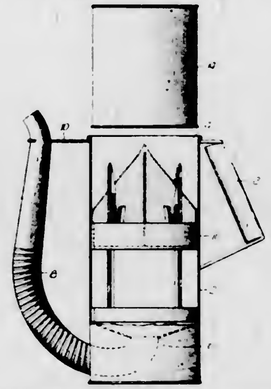
1. A device of the class described comprising a supporting bracket, a base pivotally connected with the bracket, a rod connected with the base and provided at one end thereof with a socket, a core mounted on the rod and provided with grooves, heating elements seated in the grooves in the core and operatively connected with a source of electric current, and a casing rotatably mounted on the core and provided with an inwardly extending centering stud seated in said socket, said casing constituting an ironing surface.

2,002,609
RING SHUTTLE REEL FOR SEWING MACHINES
Arne Mygland, Fjotland, near Flekkefjord, Norway
Application June 20, 1934, Serial No. 731,545
In Norway November 9, 1932
2 Claims. (Cl. 40—70)



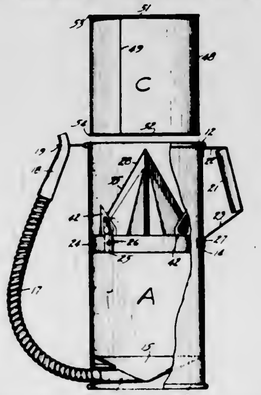
1. The combination with a ring shuttle reel having a flange with a window therein of a disc bearing numerals designating thread thickness and rotatably mounted on the hub of said shuttle, said numerals being adapted, one at a time, to cooperate with said window.

2,002,610
FLUID DISPENSING DEVICE
Elmer L. Nall, Chicago, Ill.
Application September 18, 1931, Serial No. 563,484
23 Claims. (Cl. 221—23)



1. A fluid dispensing device comprising in combination, a fluid holder adapted to receive and support a sealed receptacle containing fluid to be dispensed, means for opening a single wall of said receptacle, said means including central cutting and peripheral puncturing elements, and means associated with said elements for causing displacement of the cut portions of said receptacle to effect a complete draining of the fluid from said receptacle into said holder.

2,002,611
LIQUID DISPENSING DEVICE
Elmer L. Nall, Chicago, Ill.
Application July 30, 1932, Serial No. 626,565
14 Claims. (Cl. 221—23)



1. A container opening device, comprising a plurality of cutting elements adapted to produce a plurality of discharge openings in a single wall of a container and means associated with said elements to instantaneously vent said container through said openings simultaneously with the cutting, a dispensing vessel having a closable bottom and containing said cutting elements, and a support for the container arranged at a distance above the bottom of the vessel substantially equal to the height of the container.

2,002,612
N-SUBSTITUTED DERIVATIVE OF SULPHOANILINES
Wilhelm Neelmeier and Wilhelm Meiser, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 21, 1933, Serial No. 690,497. In Germany September 29, 1932
5 Claims. (Cl. 260—109)

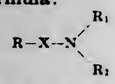
1. Compounds of the general formula:



wherein R stands for alkyl, a radical of the cyclohexyl or benzyl series, one x stands for a sulphonic acid group and the other x stands for a sulphonic or for a carboxylic acid group, being generally colorless substances, forming easily water soluble alkali metal salts and being valuable intermediate products in the manufacture of dyestuffs and synthetic drugs.

2,002,613
REACTION PRODUCT OF AN ORGANIC ACID AMIDE AND AN ALKYLENE OXIDE
Ludwig Orthner, Leverkusen I. G. Werk, and Helmut Keppler, Leverkusen-Schlebusch, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 23, 1933, Serial No. 658,267. In Germany February 29, 1932
12 Claims. (Cl. 260—124)

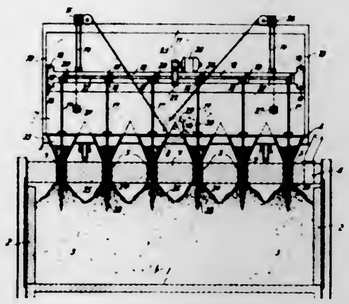
6. The composition of matter obtainable by reacting one molecular proportion of a compound of the general formula:



in which R denotes a radicle of an organic compound containing at least 8 carbon atoms directly connected to each other, X stands for —CO— or —SO_2—, R_1 denotes hydrogen or an alkyl, hydroxyalkyl, aralkyl, aryl or a cycloalkyl radicle, and R_2 denotes hydrogen or a hydroxyalkyl radicle, with at the most 3 molecular proportions of an alkylene oxide per each reactive hydrogen atom of R_1 and R_2; said products being wax-like, pasty, salvy or oily substances and having good properties as auxiliary substances for the textile-, leather-, paper-, caoutchouc-, lacquer industries.

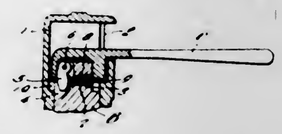
2,002,614
PROCESS AND APPARATUS FOR COMPRESSING COAL IN A CHAMBER OVEN; RETORTS AND THE LIKE
Hermann Petsch, Recklinghausen, Germany, assignor to the Firm Carl Still, Recklinghausen, Germany
Application September 18, 1931, Serial No. 563,648 In Germany September 23, 1930
8 Claims. (Cl. 202—36)

5. In the process of carbonizing coal, the step of compressing a charge of coal for carbonization which consists in charging coal loosely into a chamber with rigid walls and bottom, simultaneously moving spirally formed compressing elements into the chamber and into contact with said coal at a plurality of spaced points and then rotating said elements in substantially the same horizontal plane to apply a compressive force to



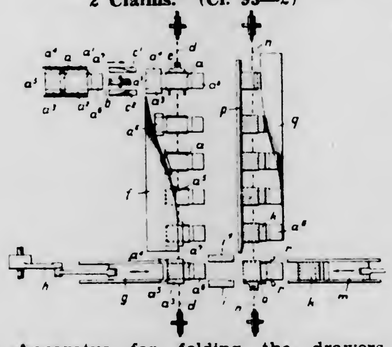
said coal which distributes pressure in both a vertical and substantially horizontal direction to obtain a uniform compression of the entire charge.

2,002,615
LOCKING MEANS FOR VALVES
Curran M. Potts and Paul B. Ellington, Winter Haven, Fla.
Application August 8, 1933, Serial No. 684,278
1 Claim. (Cl. 251—100)



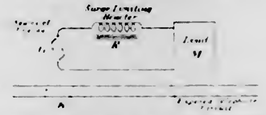
In combination with a valve casing and a plug, a housing integrally connected to the upper end of the casing and into the lower part of which the upper end of the plug extends, said housing having an opening in a side part thereof the bottom wall of which is located above the plane of the upper end of the plug and said housing being internally reduced at its point of juncture with the casing, said reduced part forming an opening through which the upper end of the plug passes and said reduced part forming an annular interior shoulder in the bottom part of the housing, said shoulder having a pair of spaced depending recesses therein, the space between the internal wall of the housing and the upper part of the plug being narrow the upper end of the plug being of irregular shape in cross section and having a recess therein opening out through a side part thereof, a dog pivoted in the recess in the plug, a spring for forcing the dog into one of said recesses in the shoulder when the plug has been moved to a position where the dog is opposite said recess, whereby said dog prevents turning movement of the plug and also prevents withdrawal of the plug from the bottom of the casing, and a wrench having a depending socketed part on its head for receiving said upper end of the plug, a portion of the wall of the socket moving the dog into the recess in the upper end of the plug, the handle of the wrench having a portion resting on the bottom wall of the side opening of the housing when the socket engages the upper end of the plug.

2,002,616
DEVICE FOR INTRODUCING CIGARETTES OR SIMILAR ARTICLES INTO POCKET-LIKE PACKAGES
Friedrich Arthur Ritscher, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application January 6, 1933, Serial No. 650,561 In Germany January 13, 1932
2 Claims. (Cl. 93—2)



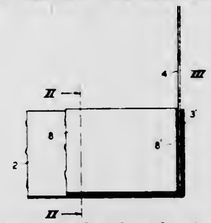
1. Apparatus for folding the drawers of drawer-and-shell boxes and for inserting cigarettes or like articles therein, comprising a track associated with folding devices adapted to bend-up the side flaps of the front and back panels of the drawer, a conveyor device extending at right angles to and from the delivery end of the said track and adapted to hold the side flaps of the back panel in their bent-up position, the side flaps of the front panel being allowed to spring back, a folding device adjacent said conveyor device and adapted to fold over the front panel and the end wall situated between the front and back panels, a second track extending at right angles to and from the delivery end of the conveyor device and in the same direction as the first-mentioned track and associated with folding devices adapted to fold over the still open side flaps of the front panel, means adjacent the end of the second-mentioned track for inserting the cigarettes or like articles into the partly-folded drawer, and a second conveyor device extending at right angles to the second-mentioned track and associated with a folding device adapted to fold over the closure flap and the end wall situated between this flap and the back panel.

2,002,617
SURGE LIMITING CIRCUIT
William Werner Sturdy, Tarrytown, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 2, 1933, Serial No. 659,413
5 Claims. (Cl. 171—97)



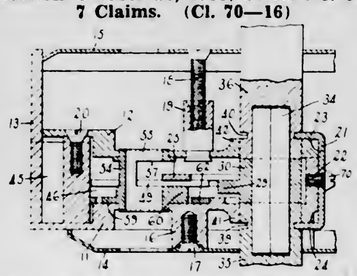
5. The combination of a power circuit transmitting large currents, a circuit transmitting signals which is exposed to the power circuit, and means for preventing excessive voltages from being induced from the power circuit into the circuit transmitting signals at such times as the power circuit becomes shorted, said means comprising a reactor having a winding wound about a magnetic core, the magnetic properties of the core of the reactor being such that the flux produced in the core by increasing currents will increase at a greater rate than the magnetomotive force.

2,002,618
DISPLAY BOX
Louis M. Sutter, Oakland, Calif.
Application May 24, 1933, Serial No. 672,544
3 Claims. (Cl. 206—44)



1. A two-piece display box having a tray portion and an inverted telescoping cover, a display card severed from the top plane of the cover and hinged to an end thereof and extending upward between the ends of the cover and tray portions respectively.

2,002,619
DOORLOCK
Henry G. Voight, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 27, 1933, Serial No. 695,448
7 Claims. (Cl. 70—16)



1. A door lock comprising a case having a detachable cover, a knob shank rotatably mounted in the case, and common means for securing the cover to the case and preventing longitudinal movement of the shank relatively to the case.

2,002,620
PHOTOGRAPHIC SOUND RECORD
Alfred Whitaker, West Drayton, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 5, 1929, Serial No. 344,556 In Great Britain March 19, 1928
8 Claims. (Cl. 274—41.6)



7. In the method of preparing a photographic sound record, the step which consists in optically smoothing the recorded surface thereof.

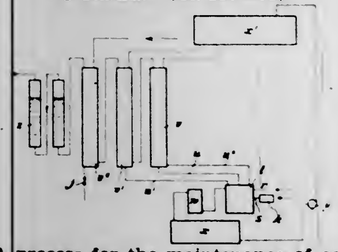
8. A photographic sound record comprising a developed film having an optically smooth surface.

2,002,621

METHOD FOR THE GENERATION AND MAINTENANCE OF CONSTANT GAS PRESSURE IN CLOSED SYSTEMS

Karl Wiesler, Constance Badenia, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

Application July 17, 1931, Serial No. 551,446
In Germany July 22, 1930
3 Claims. (Cl. 137—78)



1. A process for the maintenance of constant gas pressure in a closed distillation system which comprises establishing a closed distillation system generating a pressure and containing a gas and a non-gaseous substance in which system a constant pre-determined pressure is to be maintained, connecting a second independent system to said closed system, continuously passing an uninterrupted gas stream through said second system at a pressure higher than the aforesaid pre-determined constant pressure whereby any deficiency in pressure in the closed system is compensated, and venting said second system at the aforesaid pre-determined pressure thereby releasing excess pressure in said closed system.

2,002,622

NATURAL AND ARTIFICIAL RUBBER LATEX

Ira Williams, Woodstown, N. J., and Benton Dales, Chadds Ford, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1933, Serial No. 672,040
19 Claims. (Cl. 18—50)

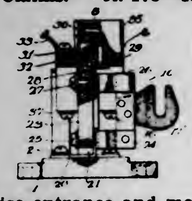
1. The process of stabilizing artificial and natural latex which comprises incorporating, in the latex, a member of the group consisting of sulfonated abietane, sulfonated abietene and sulfonated abietine in an amount sufficient to materially increase the stability of the latex.

2,002,623

ELECTRICAL SWITCH

Albert P. Ball, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application May 13, 1925, Serial No. 29,869
Renewed July 1, 1932
15 Claims. (Cl. 175—183)



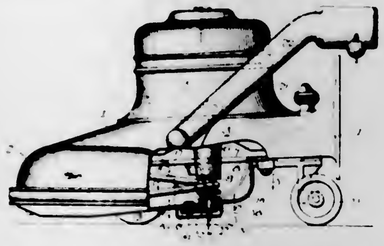
1. In a service entrance and meter test apparatus, the combination of a base, a platform extended from said base, a wall between said base and said platform, electrical connections on said base and said platform for establishing a meter test condition, and a service switch carried by said wall.

2,002,624

SUCTION CLEANER

Bernard C. Becker, York, Pa., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application February 6, 1931, Serial No. 514,009
8 Claims. (Cl. 15—9)



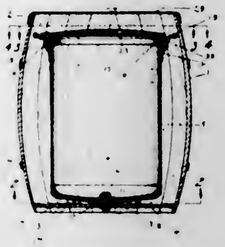
1. In a suction cleaner, a body including a nozzle, a fan chamber and an air passageway therebetween, said passageway being formed as a valve chamber at one point, a conduit open to said air passageway at said valve chamber, an agitator in said nozzle, power-transmitting means in said passageway extending from the junction of said passageway and said fan chamber to said agitator, a valve comprising a plurality of elements rotatable about a common axis at an angle to said power-transmitting means at the junction of said air passageway and said conduit, means to rotate manually said elements in opposite directions that is towards and from said power-transmitting means, said means comprising an adjustable handle directly connected to one of said elements, and a series of gears connecting said handle to the remaining element.

2,002,625

RETURNABLE SHIPPING CONTAINER

Robert C. Bender, Davenport, Iowa

Application September 29, 1934, Serial No. 746,069
2 Claims. (Cl. 217—72)



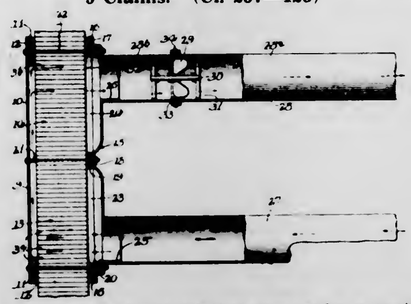
1. A shipping package for the purpose named, comprising an outer container, an inner container having a fabric body portion, a dish-shaped metal bottom connected detachably with the lower part of the body portion, a ring member connected removably with the upper part of said body portion, means connecting said ring member with the outer container, and means connecting the bottom of the inner container with the bottom of the outer container.

2,002,626

HEAT CIRCULATOR FOR MOTOR VEHICLES

Joseph B. Brennan, Fort Wayne, Ind., assignor to The Magnavox Company, Chicago, Ill., a corporation of Arizona

Application January 2, 1932, Serial No. 584,506
5 Claims. (Cl. 257—125)



1. A heated air circulating means for a motor vehicle having a radiator, a fan, and a compartment for occupants, comprising a circuitous duct communicating with said compartment and including as part thereof portions of said radiator for heating the air passing through said duct and said radiator portions, a blower contained in said duct and forming a part thereof, and means for driving said blower from the fan.

2,002,627

OXIDATION PROCESS

Frank A. Canon, New Brunswick, N. J., assignor to E. I. du Pont de Nemours and Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1933, Serial No. 700,623
5 Claims. (Cl. 260—154)

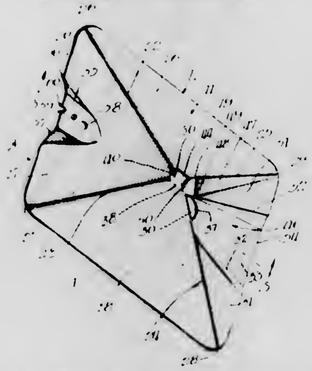
1. An oxidation process which comprises treating the compounds to be oxidized with a suspension of wet-ground manganese-dioxide-containing material.

2,002,628

EARTH ANCHOR

Albert B. Chance, Centralia, Mo.

Application June 17, 1932, Serial No. 617,811
4 Claims. (Cl. 189—90)



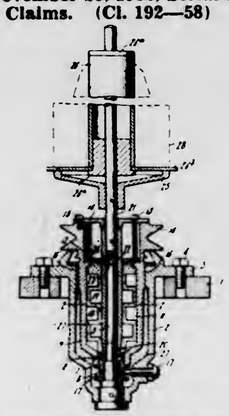
1. In an earth anchor, an anchor plate of substantially oblong shape in plan, said anchor plate being formed with a plurality of substantially triangular side plates joined together along hips and said anchor plate being formed with a centrally located aperture shaped to pass the head of a guy rod member and having a socket for receiving said head on the lower side of said plate, one of said triangular plates being formed with a flat surface disposed substantially parallel to the plane of the periphery of said anchor and having interlocking formations adapted to engage a removable handle for placing the anchor.

2,002,629

SPINDLE DRIVE MECHANISM

Henry Z. Cobb, Providence, and Raymond S. Francis, Rumford, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application November 26, 1932, Serial No. 644,426
5 Claims. (Cl. 192—58)



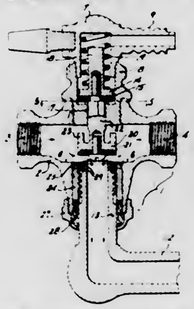
1. A drive mechanism comprising a fixed bearing spindle, a hollow driving member surrounding and having a bearing thereon, a hollow driven member surrounding and having a bearing on said spindle, said members providing between them a space for a driving fluid, and interfitting fluid driving and driven elements carried by said members and disposed in said space.

2,002,630

SHAMPOO FIXTURE

Edgar A. Eckhouse, Cleveland Heights, Ohio

Application February 9, 1934, Serial No. 710,480
4 Claims. (Cl. 277—8)



1. In a diverter faucet appliance, a chambered body having openings providing inlet and a pair of outlets, one of the outlets being adapted for connection to a spray head, a nozzle member for the other outlet, threadedly mounted in said body for adjustment relative thereto, and valve means

for said outlets and arranged to alternately close the latter selectively dependent upon said nozzle adjustment, and comprising a stationary seating member secured with said body, a seating member concentric therewith carried by said nozzle, and a valve yieldably mounted in said nozzle to yieldably seat against both said seating members, and to be unseated from either by the other.

2,002,631
GAME
Jean A. Fiondella, East Haven, Conn.
Application May 24, 1932, Serial No. 613,185
2 Claims. (Cl. 273—95)



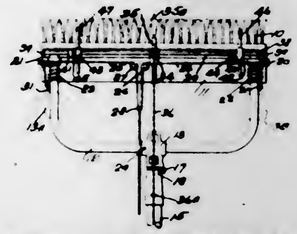
1. A game apparatus comprising: a game-piece having a plurality of bulbous members spaced from each other and interconnected to form a unitary structure by means of a connecting-member extending therebetween and of relatively-smaller size; and a flipping-stick having a terminal flipping-flange at its lower end of a thickness not greater than one-half the difference between the diameter of the connecting-member and the diameter of a bulbous member and designed and constructed to be engaged under the lowest part of said connecting-member when said game-piece is resting on a surface, and flip said game-piece.

2,002,632
BUFFER SPRING FOR RAILWAY PASSENGER CARS
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application March 20, 1933, Serial No. 661,646
23 Claims. (Cl. 105—14)



1. In a buffer mechanism for a railway car diaphragm face plate, the combination of brackets mounted upon the car in spaced relation, each comprising a web forming a bearing and spaced apart flanges forming guideways, a shoe slidably engaging the web of each bracket between the respective guideways, each bracket provided with a pin passing through apertures in said flanges, and a leaf spring having each end loosely attached to one of said shoes, said elements associated and arranged so that the pins retain the spring in engagement with the shoe.

2,002,633
MACHINE FOR PAPERING HOUSES, ETC., AND FOR WASHING WINDOWS
Thomas P. Greene, Obion, Tenn.
Application December 15, 1933, Serial No. 702,462
15 Claims. (Cl. 216—7)



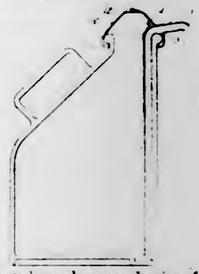
1. In a device of the character described, a brush, paper clamping means associated therewith, a handle for said brush, a base for supporting such handle and brush, a pivot pin, positioned adjacent a side of said brush, and means for advancing and releasably holding said pin beyond the level of said brush.

2,002,634
VULCANIZED ASPHALT OIL AND PRODUCT CONTAINING IT
Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1930, Serial No. 434,162
15 Claims. (Cl. 134—51)

2. A coating composition comprising a pigment, a bituminous material, a drying oil, and the reaction product obtained by heating a mixture consisting of asphalt oil and sulfur until the viscosity is increased to at least eighty.

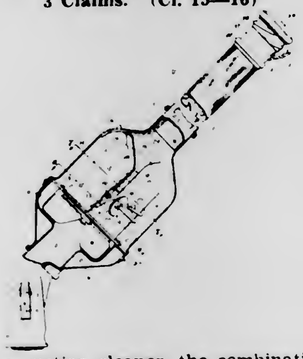
4. A coating composition comprising the reaction product obtained by heating a mixture consisting of asphalt oil and sulfur, the sulfur being in an amount which is 1% to 3% by weight of the asphalt oil, until the mixture loses approximately 22% to 25% of its weight.

2,002,635
DISPENSING DEVICE
Brewster P. Kinney, Cleveland Heights, Ohio
Application May 17, 1933, Serial No. 671,532
1 Claim. (Cl. 221—76)



A liquid dispensing closure device for the mouth of a portable, liquid-receiving bottle or the like, said device comprising a generally dome-shaped member of flexible material and having a generally cylindrical skirt portion for removable securement about the neck of such a bottle or the like in closing relation with the mouth thereof, the generally dome-shape of said member providing an air chamber above the mouth of said bottle or the like and the upper portion of said member being provided with a through air port, a part of the skirt portion of said member being reinforced by increasing the thickness thereof and such reinforced part having a liquid-dispensing tubular element extending therethrough, said tubular element having an inner portion adapted to extend downwardly into the liquid in such a bottle or the like and also having an outer spout portion for dispensing such liquid, said outer spout portion terminating at a level above that of the lower end of the skirt portion of said member.

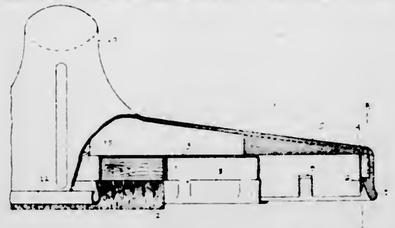
2,002,636
VACUUM-BROOM
Ward Leathers, Haworth, N. J., assignor to The Quadrex Corporation, a corporation of Connecticut
Application September 12, 1930, Serial No. 481,407
Renewed April 24, 1934
3 Claims. (Cl. 15—16)



1. In a suction cleaner, the combination of a main housing having a top, sides and a bottom, a tubular handle extending from the top of said housing in communication with its interior, a filter connected with said handle arranged to filter dirt-laden air received into said handle, said handle having a closure-controlled dirt-discharge opening, a motor, a housing for said motor within and spaced at the sides and top from the main housing and having its bottom at the bottom of the main housing, a fan-chamber below the main housing adjacent the bottom thereof, a fan in said chamber driven from the aforesaid motor, a suction cleaner nozzle operatively connected with the fan-chamber, partition means in the space between the main and motor housings extending lengthwise of said housings between the sides thereof and dividing said space into compartments which may be termed upper and lower in view of the inclined position of said compartments when the cleaner is in use, said compartments communicating with each other at the top, and the upper compartment being in communication with the fan-chamber through an opening in the bottom of the main housing.

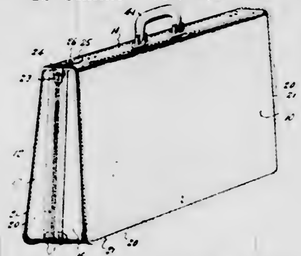
2,002,637
SUCTION CLEANER
Ward Leathers, Haworth, N. J., assignor to The Quadrex Corporation, a corporation of Connecticut
Application July 14, 1931, Serial No. 550,635
12 Claims. (Cl. 15—158)

1. In combination, a suction-cleaner body-portion; and a mouth piece flexibly communicating therewith; the body-portion being off the floor and the mouth-piece on the floor when the cleaner is in use; and a strip of springy material



supporting the body-portion from the mouth-piece and disposed to permit a fore and aft yielding between said parts.

2,002,638
TRAVELING BAG
Martin L. Lee, Brooklyn, N. Y., and Ary Kaufmann, South Orange, N. J., assignors to K. Kaufmann & Co., Inc., Newark, N. J., a corporation of New Jersey
Application August 9, 1934, Serial No. 739,084
12 Claims. (Cl. 190—41)



1. A traveling bag, comprising a unitary main body consisting of hingedly interjoined side and top sections adapted when the bag is opened to extend in a common plane, but wherein said side sections are folded relative to said top section and toward one another to close the bag, said side sections having marginal portions to form bottom and end walls of the bag when closed, said marginal portions having releasable cooperable means to fasten the bag closed, garment supporting means, means within and adjacent to the free end of one side section for detachably mounting said garment supporting means whereby garments suspended therefrom will extend along and contiguous to the interior surfaces of said side and top sections, a detachable folding means adapted to be mounted across the portions of the suspended garments contiguous to said top section and over which the garments will fold so as to depend therefrom when the side sections are turned to bag closing relation, and retaining means affixed to said top section to receive and support said folding means.

2,002,639
VULCANIZATION OF RUBBER
Herbert A. Lubs, Wilmington, Del., and Ira Williams, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 23, 1933, Serial No. 686,438
21 Claims. (Cl. 18—53)

1. The method of treating rubber which comprises incorporating therein prior to vulcaniza-

tion products obtainable by hydrogenating carbazole until at least part of the hydrogenated carbazole is soluble in acetic acid of 10% strength.

2,002,640

PROCESS FOR MAKING RUBBER THREAD

Norman G. Madge, Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 4, 1932, Serial No. 609,335
3 Claims. (Cl. 18—54)

1. A process for making rubber thread comprising passing a stream of aqueous dispersion of rubber into a coagulant for the rubber dispersion through a nozzle cooled sufficiently to freeze the dispersion.

2,002,641

TWO MATERIAL EXTRUDED VALVE AND METHOD OF MAKING THE SAME

Eugene A. McBride, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application February 13, 1931, Serial No. 515,536
13 Claims. (Cl. 29—156.7)



13. A composite metal valve having a stem portion of one metal integrally united to a head portion of another metal characterized by the head portion welded to the stem over an enlarged curved area lying within the stem portion to impart strength to the connection between the head and stem.

2,002,642

REACTION PRODUCT OF KETONES AND AMINES

Ludwig Meuser and Percy Joshua Leaper, Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 28, 1932, Serial No. 608,129
52 Claims. (Cl. 260—130)

2. A process which comprises bringing hydrogen halide the halogen portion of which has an atomic weight of at least approximately 79.9 into contact with a ketone and an aromatic amine containing only secondary amino groups and heating the materials at temperatures not substantially higher than 100° C., the amount of halide being such as to enable it to function as a catalyzer.

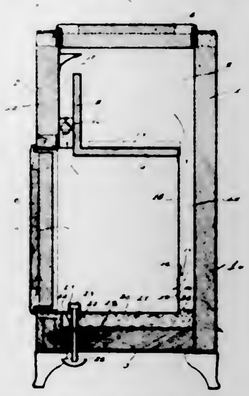
2,002,643

REFRIGERATOR

Charles L. Moorman, Chicago, Ill.

Application July 7, 1932, Serial No. 621,133
4 Claims. (Cl. 62—72)

1. A refrigerator comprising an upper compartment for ice and a lower compartment for food, a shaft through which warm air ascends to said compartment for ice and a shaft through which cold air descends to said compartment for food, said last named shaft comprising the space between a side of said refrigerator and a partition forming a side of said compartment for food, said partition being so placed with respect to said upper compartment for ice that water



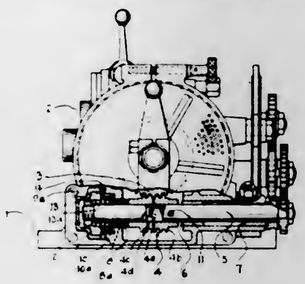
resulting from the melting of ice in said upper compartment will flow down said partition, and a container adapted to collect the water flowing down said partition and hold it in intimate contact with the underside of the bottom member of said lower compartment for food.

2,002,644

ADJUSTABLE WORM GEARING

Walter M. Pohl, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis.

Application July 8, 1933, Serial No. 679,454
5 Claims. (Cl. 74—400)



1. In a worm and wheel gearing, the combination of a worm having threads of substantially equal diameter along its axis, whereby the pitch plane thereof is tangent to a cylinder and the tops and roots of worm threads of equal depth coincide respectively with two cylinders of unequal diameter, said worm being constructed in two relatively adjustable portions differently spaced along said axis, and means for relative adjustment of said portions, said gearing being formed with said pitch plane cylinder substantially corresponding with one of said unequal diameter cylinders, whereby the driving contact in one thrust direction is substantially wholly in one of said worm portions and in the other thrust direction is substantially wholly in the other of said worm portions and the adjustment of said portions does not materially reduce the working thrust bearing surface between said worm and wheel.

2,002,645

DISTILLATE PETROLEUM PRODUCT AND METHOD OF TREATING SAME

James B. Rather and Leslie C. Beard, Jr., Brooklyn, and Orland M. Reiff, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Original application November 26, 1926, Serial No. 151,005. Divided and this application May 23, 1933, Serial No. 672,514
5 Claims. (Cl. 44—9)

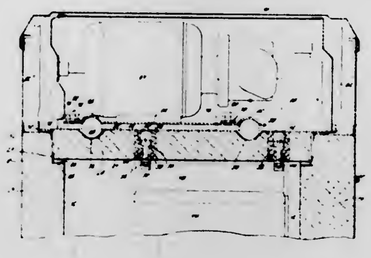
1. The method of stabilizing the characteristics of a low boiling light colored distillate petroleum product of the class of gasoline or kerosene that normally tends to develop objectionable products of oxidation during storage, which may be evidenced generally by discoloration of the product which comprises adding to the product and substantially completely dissolving therein a small quantity of urea sufficient substantially to retard the formation of said objectionable products of oxidation, but not more than 0.02%.

2,002,646

MOUNTING OF MOTORS

Russell T. Smith, Greenville, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan

Application June 26, 1931, Serial No. 547,161
9 Claims. (Cl. 62—116)



1. In a refrigerator having an open top cabinet, a unit closure for the open top comprising a horizontal insulating support, an evaporator under, secured to, and supported by said support, and a refrigerator power plant floatingly resting on said support, the support including two spaced sheet metal plates, separated by wooden blocks, means fastening the blocks to the uppermost plate, and means passing thru the block for supporting the evaporator.

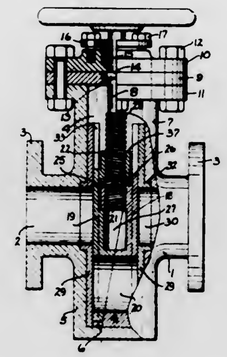
2,002,647

VALVE

Sam Sorensen, Houston, Tex.

Application June 26, 1933, Serial No. 677,577
10 Claims. (Cl. 251—68)

1. A valve housing having a transverse fluid passage, a valve chamber formed transversely of said passage, a valve member in said chamber, said valve being of approximately rectangular shape and divided longitudinally on an inclined plane into two sections, said sections being separately movable and having openings adapted to be registered into and out of alignment with said passage, a valve stem threaded to engage



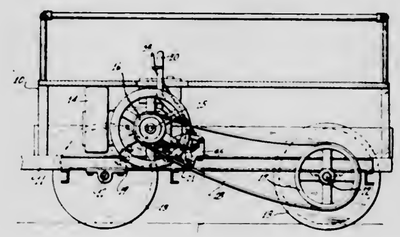
said sections, a threaded socket on each of said sections to engage said stem, said stem being movable into and out of one of said sockets, whereby one section may be moved before the other in releasing said sections from closed position.

2,002,648

CONTROL MECHANISM FOR BELT DRIVEN APPARATUS

Raymond C. Straube, Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application October 28, 1932, Serial No. 639,989
6 Claims. (Cl. 105—107)



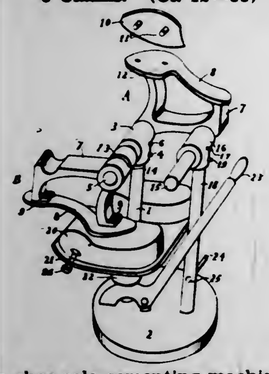
1. In combination with a railway motor car and engine, a sliding base for said engine, a guide arm pivotally secured to said engine, a member slidably carried by said arm, and provided with a series of notches, a lever provided with a pin adapted to be seated selectively in said notches, for actuation of the notched member, an abutment on said arm, adjacent its pivoted connection to said engine, and a spring, disposed about said arm, between the abutment and a portion of said notched member, for transmitting a movement of the lever, to effect sliding movement of the engine.

2,002,649
GRINDING MACHINE GUIDE BLOCK
Joseph Sunnen, Kirkwood, Mo.
Application May 7, 1934, Serial No. 724,232
9 Claims. (Cl. 51—184.1)



1. A guide element for cylinder grinding machines comprising a guide block adapted for contact with the cylinder, supporting elements for said block, and a wiper fixed to the block.

2,002,650
SHOE SOLE-CEMENTING MACHINE
Keith L. Venters, Eugene, Oreg.
Application December 12, 1932, Serial No. 646,831
6 Claims. (Cl. 12—33)



5. In a shoe sole-cementing machine the combination, of a base, a vertical member fastened securely to said base, a slidable table mounted on the said vertical member, a plurality of hollow air filled rubber pads resting on the said slidable table, means for raising and lowering the said table, a horizontal member fastened to the top of the aforesaid vertical member, a plurality of last supports mounted on the said horizontal member, and a plurality of lasts with means for fastening said lasts to said supports, the said last supports being turnable on the said horizontal member.

2,002,651
METHOD OF PREPARING ACTIVATED VEGETABLE CARBONS
Leonard Wickenden, Manhasset, and John Jay Naugle, New York, N. Y.
No Drawing. Application December 27, 1933, Serial No. 704,132
5 Claims. (Cl. 252—3)

1. The method of preparing a subdivided purifying and filtering medium, which comprises blending a plurality of fractions of subdivided purifying and filtering material of different degrees of fineness of subdivision, said fractions being characterized by different purifying characteristics in such proportions as to yield a subdivided purifying and filtering medium having predetermined purifying characteristics which are dependent upon the different purifying characteristics of said fractions.

2,002,652
ROAD OIL AND METHOD OF PREPARING THE SAME
Peter Alexandroff, London, England, assignor to Shell Development Company, San Francisco, Calif.
No Drawing. Application December 15, 1932, Serial No. 647,410. In Great Britain December 22, 1931
5 Claims. (Cl. 106—31)

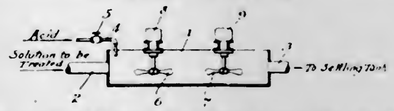
1. A road oil having the property of preferential wetting of road aggregates in the presence of water, comprising a mixture of undeteriorated asphaltic bitumen and a relatively small quantity of material selected from the group: a high-boiling viscous substantially odorless residue from the distillation of creosote, benzol-soluble constituents of coal tar pitch, and a high-boiling cracked petroleum distillate.

2,002,653
ELECTRON DISCHARGE DEVICE
Victor O. Allen, Madison, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application May 24, 1930, Serial No. 455,297
6 Claims. (Cl. 250—27.5)



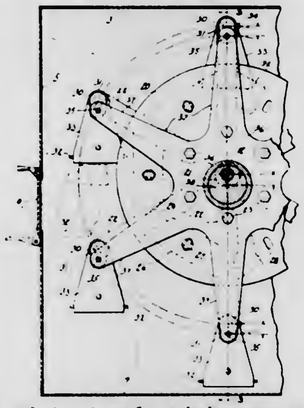
3. A mixture for preparing an electron emissive member comprising metallic chromium and cæsium dichromate.

2,002,654
METHOD OF PURIFICATION OF HALOGEN-CONTAINING SOLUTIONS
Harry E. Bierbaum, Long Beach, Calif., assignor to General Salt Company, Ltd., Los Angeles, Calif., a corporation of California
Application July 15, 1932, Serial No. 622,676
1 Claim. (Cl. 23—39)



In a process for recovering a halogen wherein a solution, containing chemically combined halogen and also containing sulphide impurities and finely divided suspended impurities whose presence interferes with the recovery of halogen in pure condition, is to be subjected to treatment to recover said halogen from the solution, the method of preliminary purification of the solution which comprises adding acid to the solution in sufficient amount to decompose sulphide impurities present in said solution and render the solution slightly acid, then agitating and aerating the acidified solution to remove therefrom hydrogen sulphide resulting from such decomposition, and then subjecting the acidified solution to a settling operation to remove suspended impurities therefrom, prior to the treatment of said solution to recover the halogen therefrom.

2,002,655
BAKE OVEN
Robert Philip Bolling, Detroit, Mich.
Application October 13, 1934, Serial No. 748,168
4 Claims. (Cl. 107—59)



1. A reel structure for a bake oven comprising, a center driving shaft, end plates keyed to the shaft, outwardly extending supporting arms carried by the end plates, shelves swung from the ends of the supporting arms, and means adjustably mounting the supporting arms to one of the end plates whereby the supporting arms may be brought into correct alignment with the supporting arms on the other end plate.

2,002,656
PROCESS FOR THE PRODUCTION OF CALCIUM CARBAMATE
Nikodem Caro, Berlin-Dahlem, Albert Rudolph Frank, Berlin-Halensee, and Hans Heinrich Franck, Berlin-Charlottenburg, Germany
No Drawing. Application August 22, 1931, Serial No. 558,848. In Germany February 8, 1929
8 Claims. (Cl. 260—112)

1. A process for producing calcium carbamate which consists in treating saturated aqueous ammoniacal solutions of ammonium carbamate at temperatures between 40° C. and about —20° C. with calcium compounds soluble in the liquid phase, in cooling the solutions and removing calcium carbamate.

6. In the production of carbamate of calcium the improvement which comprises causing ammonium carbamate to react with a calcium compound in an aqueous ammoniacal solution, and precipitating the carbamate of calcium by cooling the solution to a temperature below about 10° C.

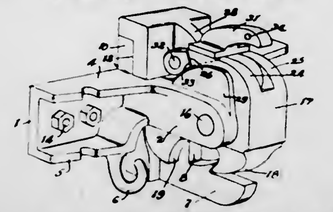
2,002,657
WINDSHIELD WIPER
William K. Correll, Jackson, Miss.
Application February 8, 1934, Serial No. 710,206
1 Claim. (Cl. 74—57)

In a device of the character described, parallel tracks extending longitudinally across the top of a windshield, a shaft disposed parallel to said bars and adjacent thereto, said shaft having disposed on the surface thereof cross-circular spiral grooves, a housing disposed about said shaft and having extending centrally through the front thereof a circular opening, a key rotatably mounted within said opening of the housing and having disposed on the inner face thereof a tongue adapted to fit within the spiral grooves



of said shaft, and a plate disposed on the outer side of said housing and adapted to retain the key within the circular opening of the housing, and longitudinal parallel grooves disposed on the upper and under surfaces of the housing, the longitudinal parallel tracks adapted to fit within said parallel grooves, the housing adapted to travel along the parallel tracks on revolution of the spiral shaft.

2,002,658
COUPLER
Joseph Elliott and James Chalmers, Winnipeg, Manitoba, Canada
Application December 1, 1933, Serial No. 700,581
4 Claims. (Cl. 280—33.15)

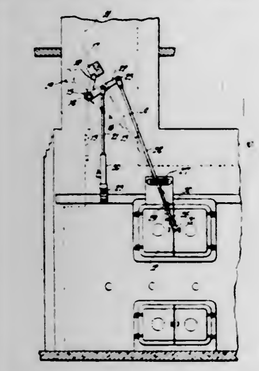


4. In a coupler, in combination, a stationary body member having a lower, centrally positioned, forwardly extending, stationary jaw and a pair of shoulders at the sides of the jaw and the jaw provided with a vertical shoulder and a pair of forwardly extending spaced arms above the jaw and a rotary coupling member positioned between the forward ends of the arms and pivotally carried thereby, said coupling member being provided at the front side with a forwardly extending upper jaw and a pair of spaced lower jaws underlying the same, said lower jaws spanning the stationary jaw aforesaid and being adapted when rotated in a clockwise direction to engage the pair of shoulders aforesaid and said upper jaw being adapted to take a substantially vertical position adjacent to and overlying the stationary jaw and opposing the shoulder of the stationary jaw when the lower jaws are engaging the pair of shoulders.

2,002,659
INCINERATOR CONTROL
Hugh W. Ewing, Chicago, Ill.
Application October 29, 1932. Serial No. 640,215
9 Claims. (Cl. 110—18)

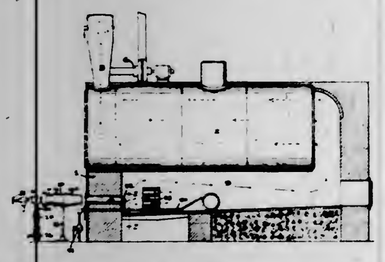
8. A flue fed incinerator of the character described comprising in combination a charging door, a flue serving both as a smoke flue and for feeding refuse to the incinerator, a damper plate in said flue adapted substantially to close the incinerator flue and pivotally supported adjacent one edge on an axis at one side of the flue so that

the damper will swing open by gravity when released and when open will hang closely adjacent a wall of the flue to leave the latter unobstructed for the passage of refuse, said damper having substantial weight and being adapted to support a load of refuse thereon, damper actuating means for swinging and holding the damper across the flue so that the same may be closed when the



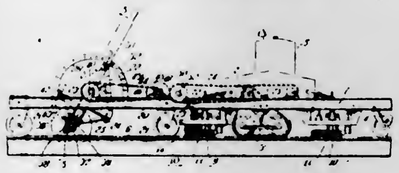
door is opened to prevent strong drafts from entering through the door and carrying refuse up the flue, said means being releasable to allow the damper to swing open by gravity, and an automatic brake connected with the damper for retarding the opening motion of the damper and preventing the damper plate from striking the said wall of the flue with full force when released to swing open.

2,002,660
BURNER
Benjamin Q. P. Foss, deceased, late of San Francisco, Calif., by Clarinda G. Foss, executrix, San Francisco, Calif.; said Benjamin Q. P. Foss assignor of sixty per cent to Lester McDonald, Bakersfield, Calif.
Refiled for abandoned application Serial No. 526,540, January 3, 1922. This application September 5, 1930, Serial No. 479,986
2 Claims. (Cl. 158—7)



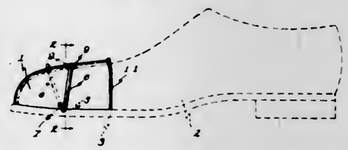
1. In a gas burning apparatus a mixing conduit, a burner comprising a casting, having a series of conical chambers therein having discharge ends of progressively smaller diameter, a burner head fitted to the inlet end of the foremost chamber having air admission openings, a gas supply conduit centrally connected to said head, a perforated web arranged between adjacent conical chambers, the constricted burner orifice of the final conical chamber of the series being arranged in axial alignment with the mixing conduit, there being a space or gap between the burner orifice and said conduit.

2,002,661
MACHINE FOR PAVING HIGHWAYS
Alfred W. French, Chicago, Ill., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 14, 1928, Serial No. 277,613
8 Claims. (Cl. 94—45)



1. A machine of the kind specified including a carriage equipped with drive wheels for travel on the side forms of a road bed, a rake rotatable on a horizontal axis disposed at the front of the carriage and having its rake teeth disposed substantially helically about the axis and arranged to cause a substantially uniform number of said teeth at all times engaged in plastic paving material disposed in advance of said carriage, said teeth rotatable in a direction to cause the same to exert propelling force on the carriage, and an engine on the latter geared to said rake and said drive wheels for propelling the latter at less than the speed of propulsion exerted by said rake to thereby retard travel of the carriage under the influence of said rake.

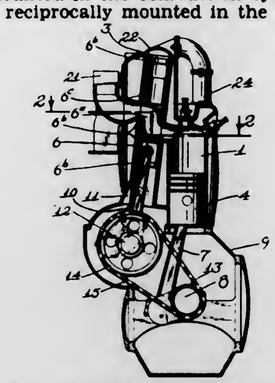
2,002,662
TOE PROTECTOR
Arthur W. Haner, Cicero, Ill.
Application April 30, 1934, Serial No. 723,073
5 Claims. (Cl. 36—72)



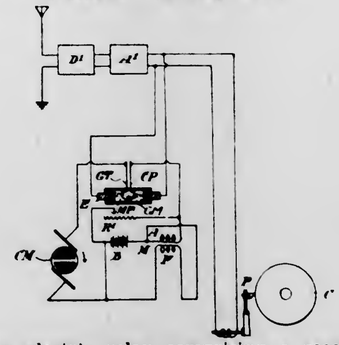
1. A toe protector for shoes comprising a rigid cap shaped to fit over and enclose the toe portion of a shoe, an inwardly projecting marginal flange on said cap arranged to engage said shoe, and a shiftable prong mounted on said cap and arranged to be projected into the margin of the shoe sole to lock said cap against shifting thereupon.

2,002,663
INTERNAL COMBUSTION ENGINE
Henri J. Hickey, Los Angeles, Calif.
Application August 12, 1930, Serial No. 474,688
Renewed October 29, 1934
9 Claims. (Cl. 123—188)

1. In an internal combustion engine, a combustion cylinder, an intake valve cylinder, an exhaust valve cylinder, said valve cylinders being arranged adjacent each other and adjacent the combustion cylinder, said valve cylinders being connected by intake and exhaust passages to the combustion cylinder, a working piston reciprocally mounted in the combustion cylinder, valve pistons reciprocally mounted in the valve cylinders, and a manifold connecting the outer ends of all of the valve cylinders.



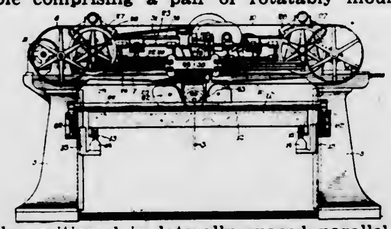
2,002,664
RELAY FOR SYNCHRONIZING SYSTEMS
Charles Francis Jenkins, Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Original application July 21, 1927, Serial No. 207,515, now Patent No. 1,766,644, dated June 24, 1930. Divided and this application May 22, 1930, Serial No. 454,590
3 Claims. (Cl. 200—11.3)



2. An electric relay comprising a receptacle containing an acidulated solution, a pair of spaced input terminals having electrical contact with the solution, a body of mercury immersed in said solution and located between the input terminals, and a pair of spaced contacts so positioned as to be normally bridged by said mercury but disconnected upon flow of current between the input terminals.

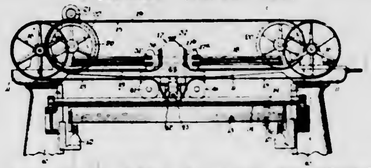
2,002,665
ABRADING MACHINE
Charles Johnson, Rockford, Ill., assignor to Mattison Machine Works, Rockford, Ill., a corporation of Illinois
Application August 15, 1930, Serial No. 475,569
Renewed February 15, 1934
20 Claims. (Cl. 51—135)

8. A machine of the character described having, in combination, a frame, an abrasive belt, means for supporting and driving the belt, a work table movable transversely of the belt, and means for holding a work sheet down on said table comprising a pair of rotatably mounted



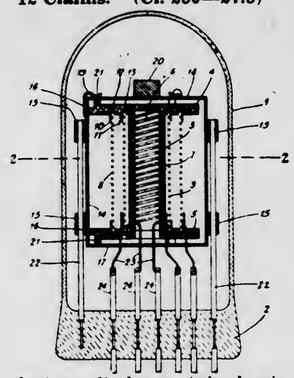
rolls positioned in laterally spaced parallel relation and contacting the work sheet along opposite edges of said belt.

2,002,666
ABRADING OR POLISHING MACHINE
Charles Johnson and Carl Lawrence Mattison, Rockford, Ill., assignors to Mattison Machine Works, Rockford, Ill., a corporation of Illinois
Application June 29, 1932, Serial No. 619,836
10 Claims. (Cl. 51—135)



9. A machine of the character described having, in combination an endless abrading or polishing belt, a carriage mounted to reciprocate along the active run of said belt, a roll mounted on said carriage over which the active run of the belt passes and by which the belt is pressed against the work, and power means on said carriage for driving the last mentioned roll and thereby driving said belt.

2,002,667
ELECTRON DISCHARGE DEVICE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 23, 1934, Serial No. 732,045
In Germany June 29, 1933
12 Claims. (Cl. 250—27.5)



12. An electron discharge tube having an envelope, a unitary electrode system within said envelope and including a ceramic base for sup-

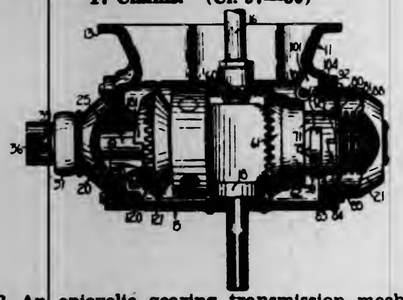
porting a heater, a cathode and at least one other electrode in spaced relationship, lugs on said ceramic base, an outer electrode surrounding said heater, cathode and other electrode and supported on said lugs and means for supporting said electrode system within the envelope.

2,002,668
INTERNAL COMBUSTION ENGINE
Arnold S. Lack, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 16, 1929, Serial No. 407,734
7 Claims. (Cl. 123—65)



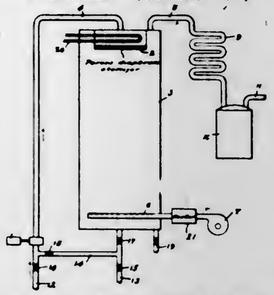
7. In an internal combustion engine, a cylinder, a piston adapted to operate therein, a plurality of intake fluid ports and exhaust ports at right angles to the intake ports, the ports being also symmetrically disposed with respect to a plane including the axis of the cylinder, said intake ports each being disposed substantially in a plane at a right angle to said plane of symmetry, and of a trend adapted to conduct the intake fluid in opposite directions across and in close adjacence to the piston face, said intake ports being formed to project all of said intake fluid toward a common point adjacent the piston and in the plane of symmetry, to effect a resultant fluid stream proceeding from the piston along the axis of the cylinder to the head end thereof, and baffles on the piston, one being of a trend along said resultant stream, and a second baffle at a right angle to the first.

2,002,669
TRACTOR
Nathan Lesser, Moline, Ill., assignor to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa
Application January 17, 1934, Serial No. 706,935
17 Claims. (Cl. 97—50)



2. An epicyclic gearing transmission mechanism comprising, in combination, an external bevel gear, a member including an internal bevel gear having a greater number of teeth than said external bevel gear, means supporting said member to position said internal bevel gear to engage said external bevel gear with the apex of the pitch cone of the internal bevel gear coincident with the apex of the pitch cone of the external bevel gear, and holding said member against rotation about its own axis, said supporting and holding means comprising a gyratory member to which said internal bevel gear is secured, a ring member mounted for rocking movement about a generally transverse axis, and means supporting said gyratory member on said ring member for rocking movement about an axis disposed 90 degrees in a transverse direction from said first axis, and means for causing said gyratory member to move so that the axis of said internal bevel gear generates a right circular cone the axis of which cone coincides with the axis of said external bevel gear and the apex of which coincides with the apices of the pitch cones of said bevel gear.

2,002,670
PROCESS OF MAKING ASPHALT
Elliott B. McConnell, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Original application July 3, 1931, Serial No. 548,601. Divided and this application June 30, 1934, Serial No. 733,252
2 Claims. (Cl. 196—74)



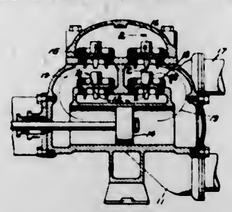
2. A process of making oxidized asphalt, which comprises forcing petroleum residuum through capillary ceramic openings, projecting the finely divided residuum therefrom in counter-current flow to air, and withdrawing the oxidized asphaltic product.

2,002,671
SCREW AND TRUNNION NUT DEVICE AND METHOD OF MAKING IT
John J. McLaughlin, North Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 7,509
14 Claims. (Cl. 10—86)



1. A method of making screw-threaded nuts having integral oppositely extending trunnions including a substantially circular portion adjacent the nut and an end portion flattened and expanded to retain bearings from slipping off the end thereof, which method includes flattening approximately cylindrical stock having approximately the diameter of said rounded portions of the trunnion, said flattening being at intervals corresponding to the over-all length of the trunnioned nut, the flattening including punch-flattening an area between the trunnions to expand the metal to the diameter desired for the body of the nut to form a depression through the bottom of which a screw hole may be formed; and on either side of said nut at intervals approximately equalling the desired length of the circular portion of the trunnion, flattening the stock across the width thereof for a length equal to that of two end portions of two adjacent blanks and to a depth necessary to spread the metal laterally to a diameter substantially greater than that of said circular portion of the adjacent trunnions; and while punching flattening the screw depression for one nut and a flat for the ends of two adjacent trunnions, punching a hole for a screw-thread through the punch-flattened nut portion of a previously shaped blank, and finally severing the blanks by successive cuts approximately midway of said laterally-spread end portions.

2,002,672
VALVE FOR SLUSH PUMPS
John M. Melott, Los Angeles, Calif., assignor to Charles E. Brown, Los Angeles, Calif.
Application December 28, 1927, Serial No. 243,057
14 Claims. (Cl. 251—127)



1. In the art described, the combination of a valve housing having a valve seat therein, the seat having a conical shaped bearing surface with the apex down, a valve having a conical shaped bearing surface to form a metal to metal engagement with the seat, said valve having a cylindrical part extending upwardly above the conical part of the bearing surface and with an annular shoulder at the upper end of the cylindrical part, a resilient ring mounted on the cylindrical part and engaging the shoulder, said seat having a peripheral part at the top with a convex curve upwardly considered in a radial direction, said ring bearing on said curved part.

2,002,673
BODY TREATING BAND OR ARTICLE
Oscar L. Mills, Los Angeles, Calif.
Application June 6, 1931, Serial No. 542,515
5 Claims. (Cl. 128—163)



1. A therapeutic article comprising a flexible structure formed of unglazed ceramic disks and an interconnecting wire truss, said disks being arranged in three respective rows, with the disks in the outer rows diametrically opposite to each other, and the disks in the central row offset from the disks in the other rows, said wire truss comprising three endless wires which substantially entirely withstand all strains on the structure, one of said wires extending through the disks of the outer rows, another of said wires extending through the central row of disks, and the third wire extending back and forth in criss-cross fashion between the disks of all the rows.

2,002,674
METHOD OF TREATING CELLULOSE ACETATE
Richard Müller and Martin Schenck, Mannheim, and Wilhelm Wirbatz, Mannheim-Waldhof, Germany, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany
No Drawing. Application June 16, 1930, Serial No. 461,636. In Austria June 21, 1929
9 Claims. (Cl. 260—102)

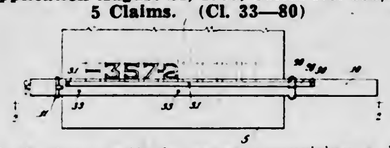
1. The method of treating fibriform cellulose acetate soluble in chloroform but insoluble in acetone to render it soluble in acetone and yet preserve its fibrous structure, which comprises subjecting said acetate in solid fibrous form to a conversion bath of a concentrated mineral acid substantially saturated with a highly soluble buffer substance inert towards both the acid and the acetate but producing a precipitating effect on the acetate and acting to prevent the dissolving of said acetate by said bath, the action of the bath being continued until the acetate has been rendered soluble in acetone.

2,002,675
ADVERTISING DEVICE
Richard F. Outcault, Flossmoor, Ill.
Application January 19, 1933, Serial No. 652,440
6 Claims. (Cl. 40—138)



3. An advertising device of the character described, including a wall, a laterally extending spring located on one side of said wall and adapted to transmit motion, an element connected to said spring and adapted to be moved by said spring, a weight slidably connected to said spring, and a pin adapted to extend through a longitudinal slot in said element.

2,002,676
STONE CUTTER GAUGE
William B. Owens, Santa Monica, Calif., assignor of one-half to John C. Steele, Santa Monica, Calif.
Application August 21, 1933, Serial No. 686,044
5 Claims. (Cl. 33—80)



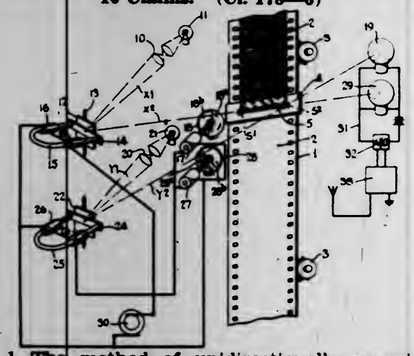
1. A stone cutter's gauge comprising a bar, a jaw slidably mounted on the bar for engaging one side of a block of stone, and a spring pressed jaw for engaging the opposite side, means operative when the slidable jaw is moved against the side of the block of stone for clamping the slidable jaw on the bar, and means for moving the spring pressed jaw against the pressure of the spring and away from the stone to release the gauge therefrom.

2,002,677
DRIP CATCHER FOR CONTAINERS
Roy Robinson, Portland, Oreg.
Application April 17, 1934, Serial No. 720,967
3 Claims. (Cl. 65—31)



2. A device of the class described comprising a body member made of resilient material and having a drip receiving pocket disposed within its upper surface, a return lip integral with the body member and extending downwardly into the drip receiving pocket, and a vacuum forming cup disposed upon a wall of the body member.

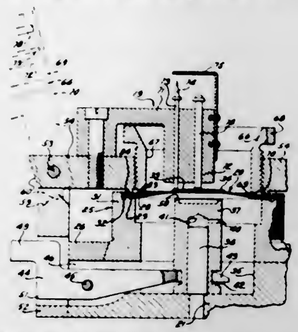
2,002,678
METHOD OF SCANNING AND APPARATUS THEREFOR
Oscar A. Ross, New York, N. Y.
Application December 9, 1930, Serial No. 501,026
10 Claims. (Cl. 178—6)



1. The method of unidirectionally scanning motion pictures recorded onto motion picture film advanced relatively to a light sensitive cell associated with television broadcasting apparatus which comprises, optically projecting two beams of light through the motion pictures onto the light sensitive cell, and during the projection reciprocating the beams from one margin of the pictures to the other for the scanning thereof, the light beams traveling in opposite direction during their movement from one margin to the other, and during the reciprocal movement of the beams annulling the scanning effect thereof during the movement in one direction thereof without annulling the scanning effect when moving in the opposite direction between the margins whereby the pictures will be unidirectionally scanned without interruption as the film is advanced.

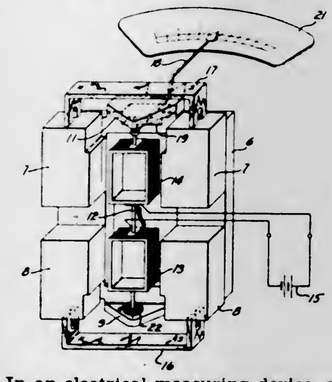
2,002,679
APPARATUS FOR GAUGING AND ADJUSTING ARTICLES
Arthur W. Schoof, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1931, Serial No. 546,229
9 Claims. (Cl. 33—174)

1. A gauge comprising rotatable means for supporting an article to be gauged, an elongated gauge member slidably mounted in position for one end therof to engage the article to be gauged at a point spaced from the center of rotation,



and an element having a predetermined weight slidably mounted and arranged to axially engage the article for exerting a predetermined pressure thereagainst during gauging.

2,002,680
APPARATUS FOR MEASURING ELECTRICAL QUANTITIES
Kenneth L. Scott, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 8, 1932, Serial No. 597,497
9 Claims. (Cl. 175—183)



3. In an electrical measuring device, a pair of pole pieces adapted to be associated with a standard magnet, a second pair of pole pieces adapted to be associated with a magnet to be tested, a coil between each of said pair of pole pieces, means for serially energizing said coils, a common shaft for said coils, and an indicating device actuated by said shaft.

2,002,681
PROCESS FOR THE PRODUCTION OF POTASSIUM CARBAMATE
Carl Theodor Thorssell and August Kristensson, Cassel, Germany
No Drawing. Application October 24, 1928, Serial No. 314,842. In Germany November 18, 1927
5 Claims. (Cl. 260—112)

1. The process of producing potassium carbamate which comprises acting on potassium chloride, dissolved in a substantially anhydrous solvent comprising liquid ammonia, with carbon dioxide.

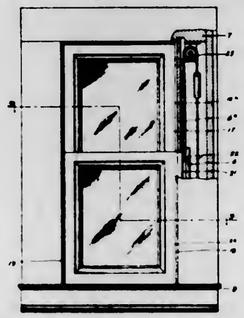
5. The process of producing potassium carbamate, which comprises acting with ammonium carbamate on a potassium salt in anhydrous liquid ammonia.

2,002,682
COMBINED SAFETY RAZOR AND SHARPENER
Edward Holbrook Wyman, Aiken, S. C.
Application October 7, 1933, Serial No. 692,647
2 Claims. (Cl. 30—12)



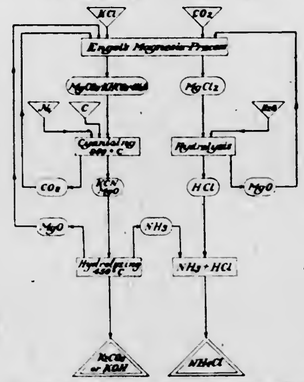
1. A safety razor comprising a cap having a screw-threaded stud disposed upon the rear side of the same and permanently attached thereto, a stem provided at its forward end with a screw-threaded socket for detachably receiving the stud, said socket being adapted to hold a blade upon the rear side of the cap, the rear end of the stem being screw-threaded, a tubular handle for insertion upon the stem, a guard rigidly mounted upon the tubular handle and adapted to be arranged at the rear of the cap, a plurality of blade sharpening strips mounted upon the forward side of the guard upon opposite sides of the central axis of the guard and rigidly connected therewith throughout substantially the entire areas of the strips, and a nut having screw-threaded engagement with the rear end of the stem and constituting the sole connection between the stem and the tubular handle for regulating the relative longitudinal movement between these parts.

2,002,683
WINDOW
Torval J. Anderson, Chicago, Ill.
Application October 29, 1931, Serial No. 571,793
6 Claims. (Cl. 20—11)



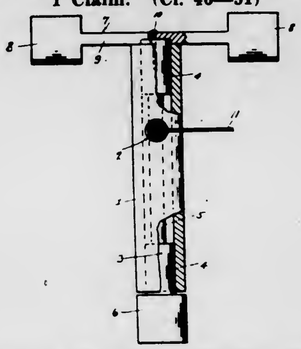
1. In a window frame construction, a lintel on said frame, sash pulleys mounted on said lintel sash cords mounted on said pulleys, side stiles provided with sash cord grooves on said frame, pockets extending from the top of said side stiles to said lintel, removable side stiles adapted to cover said pockets, said removable side stiles provided with passages on the back side thereof and adjoining the top of said grooves to form continuous passages to said pulleys.

2,002,684
METHOD OF PREPARING POTASSIUM CARBONATE OR POTASSIUM HYDROXIDE
Friedrich Bartling, Huglfing, and Hermann Fricke, Munich, Germany; Jenny Bartling, Huglfing, Germany, executrix of said Friedrich Bartling, deceased, assignors to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany, a company of Germany
Application October 12, 1931, Serial No. 568,520
In Germany October 24, 1930
2 Claims. (Cl. 23—63)



2. A process for the manufacture of potassium hydroxide or carbonate which comprises mixing the double salt $MgCO_3KHCO_3.4H_2O$ with carbon and heating the mixture to a temperature of substantially 950 degrees C. in the presence of nitrogen whereby to produce a mixture containing potassium cyanide and magnesium oxide, treating the mixture with steam at a temperature between 350 and 500 degrees C. to produce the potassium hydroxide and carbonate from the cyanide, separating the magnesium oxide from the mixture and reacting it with potassium chloride in the presence of carbon dioxide for producing a further quantity of double salt.

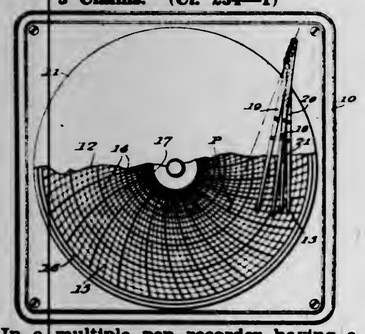
2,002,685
"NIDES" TWIN TOY
Leonides S. Bautista, San Francisco, Calif.
Application January 15, 1935, Serial No. 1,960
1 Claim. (Cl. 46—51)



A toy of the class described comprising an elongated tubular member having a hole in its intermediate part, a rotary member including a pair of cylindrical enlargements and a stem connecting the two enlargements together, the

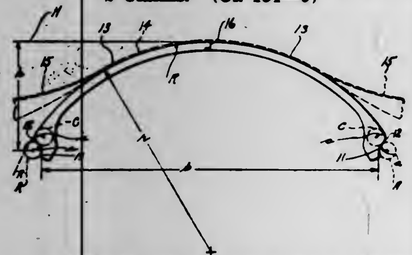
rotary member fitting in the tubular member with the enlargements located in and slightly projecting from the end parts of the tubular member, a string connected to the stem and passing through the hole, a propeller including a stem and enlargements at the end thereof, means for connecting the central part of the last-mentioned stem to the projecting end of one of the enlargements of the rotary member and a cylindrical part connected to the projecting end of the other enlargement of the rotary member.

2,002,686
MULTIPLE PEN RECORDER
Nikolai Belaef, Boston, Mass., assignor to Eldon Macleod, Frank A. Morrison, Cameron Macleod, Leslie Soule, and Sullivan A. Sargent, Jr., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.
Application July 30, 1934, Serial No. 737,545
3 Claims. (Cl. 234—1)



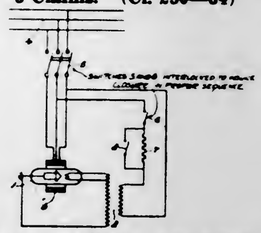
1. In a multiple pen recorder having a circular chart, and means for rotating the chart about its center, said chart having a plurality of time curves of equal radius subscribed about centers equidistant from the center of the chart, in combination therewith a plurality of pen arms each pivotally mounted at one end and carrying a pen point at the other end, said pen arms being arranged in straddled relation and pivotally mounted on a line extending radially from a given point on one of said curves.

2,002,687
TIRE BUILDING DRUM
Arthur E. Benson, Indian Orchard, Mass., assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass., a corporation of Delaware
Application October 11, 1933, Serial No. 693,185
2 Claims. (Cl. 154—9)



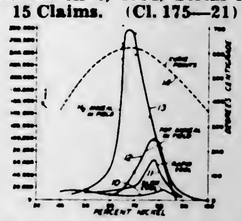
1. An annular tire building drum of the semi-flat type having widely spaced bead receiving grooves, curved shoulder portions positioned above the bead receiving grooves for shaping the tire carcass adjacent the bead hinges, and an intermediate portion extending between said shoulder portions in a single circular arc tangent to the curve of the shoulder portions and tangent to the line defining the maximum crown height of the drum.

2,002,688
HIGH TENSION CONTACT PROTECTION
Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application August 21, 1931, Serial No. 558,578
In the Netherlands August 28, 1930
3 Claims. (Cl. 250—34)



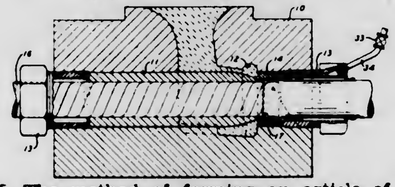
1. An X-ray installation comprising an X-ray tube having a cathode and an anode, said anode being adapted to be moved during the operation of the tube, an electro-magnetic stator for imparting motion to the anode, a source of high tension, an output circuit and an input circuit therefor, said output circuit including said X-ray tube, and a switching device in said input circuit, a stator circuit for energizing said stator, and a switching device in said stator circuit, said second switching device having two positions, in one position closing the stator circuit and in the second position interrupting both the stator circuit and the said input circuit, said stator circuit including a continuous conductive connection, between said second switching device and said stator.

2,002,689
MAGNETIC MATERIAL AND METHOD OF TREATING MAGNETIC MATERIALS
Richard M. Bozorth, Short Hills, and Joy F. Dillinger, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1934, Serial No. 713,674
15 Claims. (Cl. 175—21)



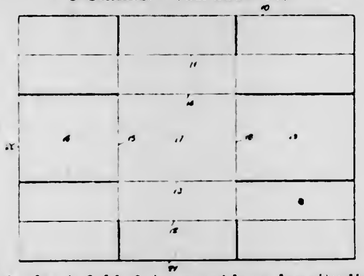
5. A method of heat treating nickel-iron alloys which comprises heating the alloy to a temperature above about 1000° C. in an atmosphere of hydrogen for some time, slowly cooling the alloy to room temperature, reheating it to a temperature near the non-magnetic temperature of the alloy in a magnetic field, maintaining the alloy in said magnetic field for a time and then cooling the alloy in the magnetic field to room temperature.

2,002,690
METHOD OF AND APPARATUS FOR TREATING MOVING MATTER
Herbert F. Carter, Roselle Park, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1933, Serial No. 673,834
6 Claims. (Cl. 207—10)



5. The method of forming an article of an alloy containing lead and antimony being maintained at a temperature exceeding 350° F. which consists in extruding the alloy through a die, maintaining the die at a temperature below 250° F., and simultaneously submerging the article in a fluid maintained under non-oxidizing conditions of temperature and pressure and a velocity greater than 1000 feet per second.

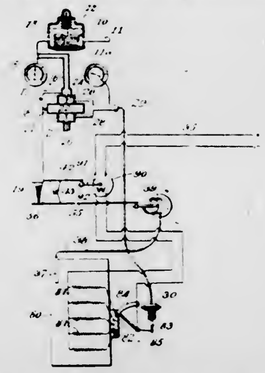
2,002,691
FOLDED NAPKIN
Austin E. Cofrin, Green Bay, Wis.
Application January 16, 1933, Serial No. 652,057
3 Claims. (Cl. 206—57)



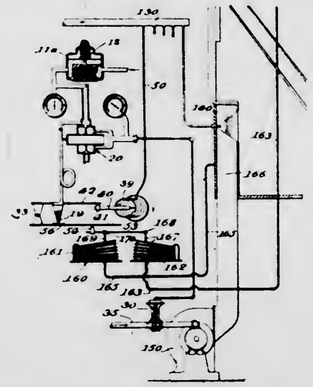
1. A sheet folded to provide a longitudinally elongated body; then folded upon transverse lines substantially one-third of the length of said body from each end thereof to provide a transversely elongated body, and lastly folded upon lines substantially one-fourth of the length of the transversely elongated body from the opposite ends thereof upon lines perpendicular to said transverse lines to provide a final fold presenting tabs superposed on said body with their edges lying closely adjacent the center of said body.

2,002,692
CONTROL MECHANISM
Edward T. Dahl, Randolph, Mass., assignor, by mesne assignments, to Eldon Macleod, Westwood, Mass.; Frank A. Morrison, Newton, Mass.; Cameron Macleod, Berwyn, Pa.; Leslie Soule, Dedham, Mass.; Sullivan A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.
Application September 30, 1932, Serial No. 635,566
13 Claims. (Cl. 219—20)

1. An apparatus for controlling the temperature of an electrically heated oven, comprising an electric current supply line for heating the oven, a control device governing the supply of said current, a pilot mechanism utilizing an independent source of pressure for operating said control device and ordinarily exhausting to the atmosphere, an exhaust valve governing the exhaust from said pilot mechanism, and means responsive to the resultant effect of the temperature of the oven and changes in the current supply for actuating said exhaust valve.

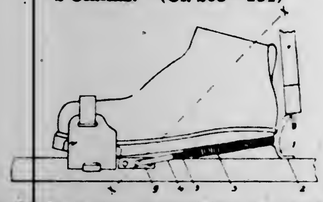


2,002,693
DRAFT CONTROL
Edward T. Dahl, Randolph, Mass., assignor, by mesne assignments, to Eldon Macleod, Westwood, Mass.; Frank A. Morrison, Newton, Mass.; Cameron Macleod, Berwyn, Pa.; Leslie Soule; Dedham, Mass.; Sullivan A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.
Application October 7, 1932, Serial No. 636,709
22 Claims. (Cl. 236—14)



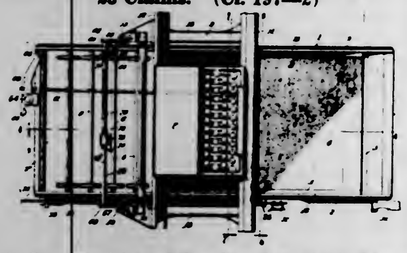
10. In a draft control system for a furnace, means for supplying air to the furnace, a control valve governing said air supplying means, an independent pressure system for operating said valve, means for supplying fuel to the furnace, an instrument responsive to the rate of fuel supply, an instrument responsive to the difference in pressure in said furnace at the air intake duct and in the stack, and means operated by the resultant action of said instruments controlling the independent pressure system and hence the air supplying means.

2,002,694
AUTOMATICALLY ACTING SKI FASTENING
Ernst Elster, Vienna, Austria
Application October 18, 1933, Serial No. 694,165
In Finland April 3, 1933
2 Claims. (Cl. 208—184)



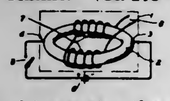
1. A ski fastening comprising, in combination, a slidable heel part engaging said ski in slidable bearing relation and forming a steadying support for said part, elastic members extending forwardly from said heel part, rigid members secured to the elastic members, bearing plates adapted for attachment to the ski, journal portions integral with the rigid members to engage bearing holes in the plates, and noses integral with the journal portions to engage the plates behind said holes upon turning movement of the rigid members.

2,002,695
CONTROL MECHANISM FOR TYPEWRITING MACHINES
Harry A. Foothorap, Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 24, 1930, Serial No. 470,519
23 Claims. (Cl. 197—2)



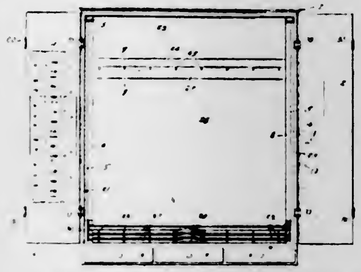
1. In a machine of the class described, the combination with a platen movable toward and from the writing plane to clamp, and to release the work, respectively, and a travelling carriage, movable in line and letter spacing-directions relatively to the platen; of carriage-operated mechanism for moving the platen in one of its said directions of movement, and means for selectively controlling operation of said mechanism in timed relation to travel of the carriage to different positions.

2,002,696
MAGNETIC MATERIAL
George A. Kelsall, Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 11, 1933, Serial No. 697,576
21 Claims. (Cl. 175—21)



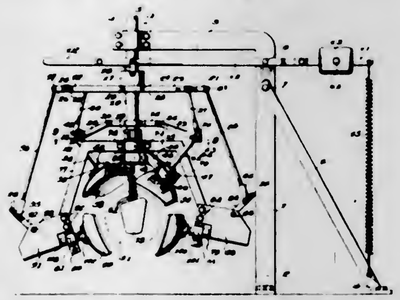
1. A method of increasing the magnetic permeability of irregularly shaped magnetic bodies made of magnetic alloys, the permeability of which is increased by rapidly cooling them through the magnetic transformation temperature region, characterized in that said magnetic bodies are slowly cooled through the magnetic transformation region in a magnetic field directed in the direction in which the high permeability is desired.

2,002,697
SCROLL
Gustav C. Groth, Watertown, Wis.
Application January 18, 1934, Serial No. 707,168
2 Claims. (Cl. 35—9)



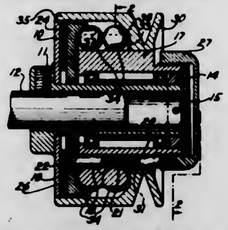
1. In a device for preserving and filing school exercises and the like, a support, a backing plate carried by the support, a plurality of idlers on the support at the lower end of the backing plate, a first receiving roll journaled on the support to the rear of the backing plate, second receiving rolls journaled on the support to the rear of the backing plate, means for rotating any one of the receiving rolls, a sheet wound about the first receiving roll and extended upwardly, and then downwardly in front of the backing plate, record strips wound about the second receiving rolls, the record strips extending about the idlers, and means for connecting the exposed end of any record strip detachably with the exposed end of the sheet.

2,002,698
PRINTING DEVICE
Andrew B. Kruczek, Detroit, Mich.
Application January 18, 1930, Serial No. 421,753
5 Claims. (Cl. 101—35)



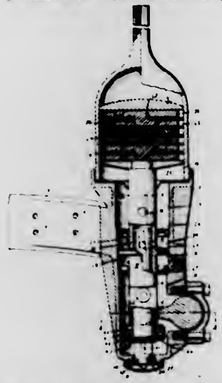
1. A printing device of the character described including a standard, a rod carried by and depending from the standard, means carried by the rod for supporting a plurality of printing elements, arms carried by the rod, connecting means between the arms and printing elements, and means for operating the arms to in turn operate the printing elements.

2,002,699
CLUTCH
Einer W. Larsen, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 13, 1933, Serial No. 651,483
4 Claims. (Cl. 192—103)



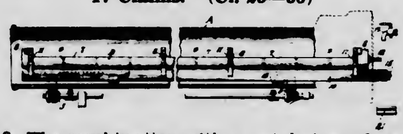
1. A clutch comprising driving and driven members normally in yieldable frictional driving engagement, said driven member including an element slidable towards said driving member to effect a driving engagement between said members and an axially fixed element having axially extending grooves on its periphery, said elements having spaced opposed inclined surfaces, and a plurality of pairs of balls movable radially by centrifugal force in said grooves and having rolling engagement with each other and with the inclined surfaces during their radial movement in response to an increasing speed of said driven member for forcing said members into a more positive driving engagement.

2,002,700
SHOCK ABSORBER
Louis L. Lomar, Houston, Tex.
Application November 21, 1932, Serial No. 643,582
6 Claims. (Cl. 267—35)



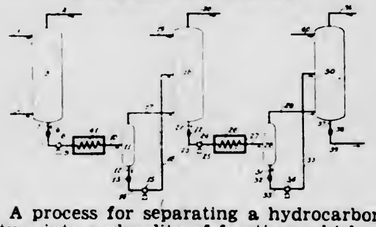
1. The combination with a vehicle having a body and an axle, of a unitary shock absorber comprising a casing mounted on said body, said casing having four chambers; a piston rod reciprocable in said chambers; an abutment in the first of said chambers; resilient means to resist the movement of said rod toward said abutment, said means comprising a plurality of resilient rubber pads and a plurality of rigid discs between said pads, said pads and discs being between said rod and said abutment; the second, third and fourth of said chambers being adapted to contain a fluid; a piston carried by said rod in the third of said chambers; said piston having therein a valve opening toward said pads; a valve between the second and third of said chambers to permit the flow of fluid only from the second of said chambers into the third of said chambers; a valve between the third and fourth of said chambers to permit the flow of fluid only from the fourth of said chambers into the third of said chambers; said rod being hollow and having openings communicating with the second, third and fourth of said chambers; means whereby the flow of fluid through said openings may be controlled; and a lever pivoted in said casing, operatively associated with said rod and connected to said axle.

2,002,701
METHOD OF AND APPARATUS FOR LINING METAL PIPES
James R. McWane, Birmingham, Ala.; A. T. McWane, William McWane, and Jelks H. Cabaniss, executors of said James R. McWane, deceased, assignors to McWane Cast Iron Pipe Co., Birmingham, Ala.
Application May 25, 1933, Serial No. 672,887
17 Claims. (Cl. 25—38)



3. The combination with a metal pipe; of means for supporting and rotating the pipe about its longitudinal axis; and means operable during the rotation of the pipe for coating the inner surface of said pipe with a liquid, said coating means comprising a carriage movable longitudinally within the pipe, a liquid-containing trough having an open top and mounted on the carriage for oscillatory movements, and anti-friction balls mounted on the bottom of the carriage for rolling contact with the pipe.

2,002,702
EXTRACTION PROCESS
David R. Merrill, Long Beach, and Philip Subkow, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 24, 1932, Serial No. 639,343
14 Claims. (Cl. 196—13)

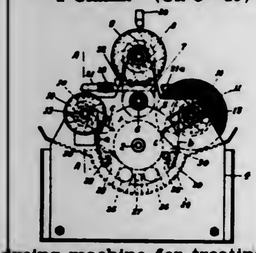


1. A process for separating a hydrocarbon oil mixture into a plurality of fractions which comprises extracting said oil with a solvent into an insoluble fraction and fractions dissolved in said solvent, separating the insoluble fraction from the fractions dissolved in said solvent, cooling said solvent containing dissolved fractions to separate a fraction insoluble in said cooled solvent, removing said insoluble fraction from said cooled solvent containing the remaining dissolved fractions, subsequently passing said cooled solvent containing dissolved fractions and said cooled fraction insoluble in said cooled solvent to a later extraction stage and extracting said cooled insoluble fraction with said cooled solvent containing dissolved fractions into a plurality of fractions.

13. A process for separating a hydrocarbon oil mixture into a plurality of fractions which com-

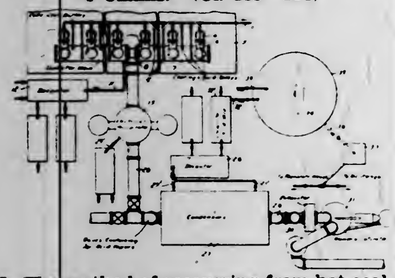
prises extracting said oil with a selective solvent, separating a fraction insoluble in said solvent from the selective solvent and dissolved fractions, commingling said selective solvent and dissolved fractions with a wash oil and removing the wash oil containing dissolved fractions from said solvent and fractions remaining dissolved therein.

2,002,703
JIGGER
Hans Willi Mettler, Geneva, Switzerland
Application April 11, 1932, Serial No. 604,489
In Switzerland April 15, 1931
1 Claim. (Cl. 8—19)



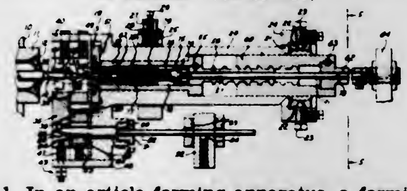
In a dyeing machine for treating textile fabrics with liquids, comprising a container adapted to receive the liquid to treat the fabric, a positively driven feed drum arranged to immerse in the liquid in said container, two rollers disposed at both sides of said feed drum, separate and resilient means to drive said feed drum and each of said rollers, means to adjust the driving torque of said drum and of each of said rollers not to exceed a predetermined tension on the fabric, two buoyant cylinders within said container and disposed below and on both sides of the said feed drum, a frame, guide ways in said frame for said cylinders, the guide ways running in radial direction to said drum, an idle roller arranged between said cylinders at a distance from the mantle of the feed drum, means to reverse the direction of rotation of each of said rollers and of said drum, the said rollers being arranged to be close to but out of the liquid when fully wound, and a spreading device for the fabric arranged intermediate the drum and each of the rollers.

2,002,704
RECOVERY OF TAR ACIDS, ETC.
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application September 26, 1931, Serial No. 565,270
6 Claims. (Cl. 183—114)



5. The method of recovering from hot coal distillation gases a tar acid oil readily extractable with aqueous caustic soda for removal of tar acids therefrom, which comprises cleaning the gases by electrical precipitation while yet at a temperature above their dew point for water and below about 150° C. to remove suspended matter from the gases and leave in the gases not more than .5% of free carbon based on the weight of oil vapors retained in the gases, and cooling the resultant clean gases to separate therefrom a caustic extractable tar acid oil containing not more than about .5% of free carbon.

2,002,705
APPARATUS FOR FORMING ARTICLES
Kasper F. Moller, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 28, 1932, Serial No. 640,043
16 Claims. (Cl. 29—57)



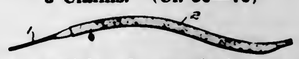
1. In an article forming apparatus, a forming tool, means for moving an article into operative relation with respect to said tool, and means including spaced members between which said article is moved positioned in advance of said tool and under the control of said article during its movement towards said tool for controlling the operation of said tool.

2,002,706
ICE CREEPER
Fern Mong, Greenville, Ohio
Application March 24, 1934, Serial No. 717,207
4 Claims. (Cl. 36—7.6)



1. In an ice creeper, a heel section having an elongated opening and having teeth formed on the lower side thereof, a toe section embodying laterally adjustable members, a bolt pivotally connecting the members, a washer on the bolt and having teeth adapted to engage the teeth of the heel section when the bolt is secured in position, holding the heel and toe sections in their positions of adjustment.

2,002,707
SHOE SHANK STIFFENER
Chester M. Moore, Wakefield, Mass.
Application September 5, 1934, Serial No. 742,772
3 Claims. (Cl. 36—76)



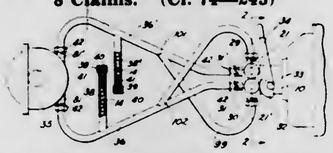
1. As an article of manufacture, a resilient metal shank stiffener enveloped by a film adhering and conforming closely to its surface without adding materially to its bulk, said film being composed of an air drying fluid composition solidified on the stiffener, and adapted to have a non-squeaking contact with shoe parts between which the stiffener is interposed.

2,002,708
RAIL STABILIZING DEVICE FOR RAILWAY TRACKS
John G. Mueller, Dayton, Ohio; Emilie P. Mueller, administratrix of said John G. Mueller, deceased
Application June 1, 1931, Serial No. 541,228
12 Claims. (Cl. 238—53)



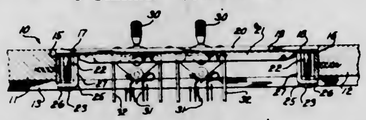
1. In a rail stabilizing device, a single unit having at its lower end an elongated opening, the upper end of the unit adapted to engage the ball of a rail, and an intermediate convex surface to engage the upper surface of the rail base.

2,002,709
TRANSMISSION MECHANISM
Jakob Niederhauser, Wettingen, Switzerland, assignor of one-half to Richard Suter, Cleveland, Ohio
Application September 1, 1931, Serial No. 560,575
8 Claims. (Cl. 74—245)



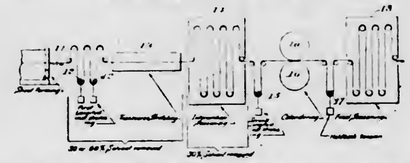
1. In a power transmission mechanism, a primary and secondary unit, a gear rotatable within said primary unit engageable with a plurality of spheroidal bodies and capable of imparting thereto a force affording the circulation of said bodies from said primary unit to said secondary unit, guides or conduits for said bodies, a second gear within said secondary unit adapted to receive said bodies, said second gear being rotatable and axially movable by the forces imparted thereto by said pressure bodies, and means within said secondary unit capable of varying the transmission ratio between said units, said means comprising a load receiving mechanism associated with said second gear and actuable upon variations of load applied thereto for causing the axial movement of said second gear and the consequential variation of said transmission ratio.

2,002,710
FASTENER
Edward A. Otto, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1932, Serial No. 637,416
9 Claims. (Cl. 179—91)



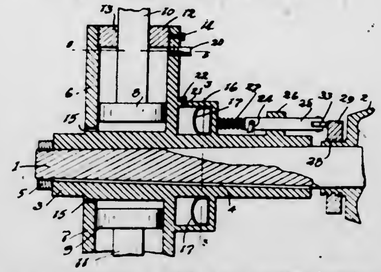
1. A fastener for switchboard keys or the like, comprising a stud carried by a key, a fixed rail for supporting the key, a fastening member having one end arranged to engage said rail, a lug positioned between the other end of said fastening member and the key for limiting the movement of the fastening member, and means carried by said stud for moving said fastening member and said key into intimate engagement with said rail.

2,002,711
MANUFACTURE OF THIN SHEETS OF CELLULOSE
Frederic A. Parkhurst, Bethesda, Md., and Gustavus J. Esselen, Swampscott, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
Application May 2, 1932, Serial No. 608,648
6 Claims. (Cl. 18—57)



1. The method of producing a continuous web of cellulose ester plastic of uniform thickness which consists in simultaneously subjecting to longitudinal stretching and calendering a web from which sufficient solvent has been removed to give necessary tensile strength and then seasoning the web.

2,002,712
VARIABLE DIAMETER PROPELLER
Valance H. Patriarche, Winnipeg, Manitoba, Canada
Application September 12, 1933, Serial No. 689,152
10 Claims. (Cl. 170—163)

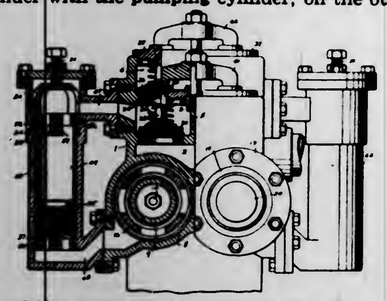


1. In combination with a propeller having the blades thereof mounted for out movement in a radial direction under the action of centrifugal force a container having a fluid therein displaced by the blades as they move outwardly and a second fluid compressed by the displaced former fluid.

2,002,713
PUMP
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application January 24, 1933, Serial No. 653,302
2 Claims. (Cl. 103—44)

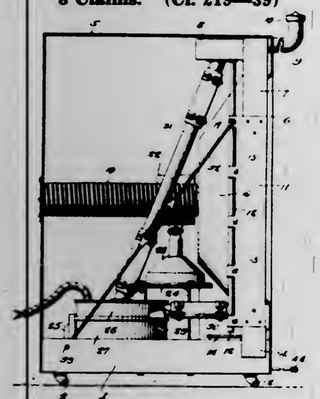
1. A pump comprising a casing having an inlet chamber, provided with an inlet, an intermediate chamber and a discharge chamber provided with an outlet, said pump having a valve controlled port connecting said inlet and intermediate chambers and a valve controlled port connecting the intermediate chamber with the discharge chamber and through which chambers and ports the pumped fluid may move from said inlet to said outlet, a pumping cylinder having a removable liner and removable inwardly extended end stops, a piston therein, said pump having a passageway connecting the intermediate chamber with said cylinder, on one side of said piston, an operating cylinder for containing an operating fluid, there

being a passageway connecting the operating cylinder with the pumping cylinder, on the other



side of the piston and a reciprocable plunger in said operating cylinder.

2,002,714
ELECTRIC HEATER
Edward W. Phillips, Flint, Mich.
Application April 2, 1934, Serial No. 718,716
8 Claims. (Cl. 219—39)



1. A device of the class described, comprising a base, a box-like housing carried by the base, a radiator carried by the base and located within the housing, a tank carried by the base and located within the housing, means for heating the contents of the tank, a grate basket extended forwardly with respect to the housing, a lamp located in the grate basket, light material in the grate basket, about the lamp, and capable of being illuminated by the lamp, to simulate a grate fire, and means for forcing a blast of air across the upper surface of the light material and through the radiator.

2,002,715
BURN GUARD
John F. Raynolds and Fred C. Wilhelm, Minneapolis, Minn., assignors to The Unipress Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application June 4, 1932, Serial No. 615,398
10 Claims. (Cl. 74—614)

2. In combination with a pressing machine having an arm having a heatable pressing head, a stiff heat guard of sheet material and means swingingly pivoting it to the arm so that it can be swung forwardly from a position spaced from the rear of the head into guarding position with the pressing face of the head, and means automatically operable as a result of arm motion to move the guard into and away from guarding



position respectively as the presser head is retracted and advanced.

2,002,716
COSMETIC HOLDER
George F. Richter, Bogota, N. J., assignor to Consolidated Safety Pin Company, Bloomfield, N. J., a corporation
Application March 18, 1933, Serial No. 661,494
6 Claims. (Cl. 206—56)

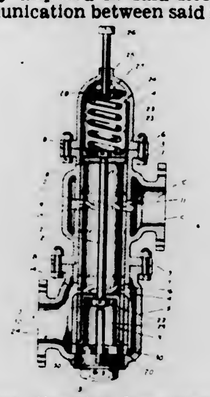


1. A cosmetic holder comprising an outer and an inner casing, the outer casing formed with openings at the front and back, covers hingedly connected with said outer casing, the inner casing formed with limit fingers coupled with said covers and projecting into the openings of the outer casing, whereby upward movement of the inner casing is limited, said inner and outer casings formed with longitudinal slots, and a container within the inner casing and a finger-piece connected with the container and extending outward through the slots in the inner and outer casings and releasably engaging the inner casing.

2,002,717
REDUCING VALVE
Braxton L. Robart and Earl P. Buell, Jackson, Mich., assignors to The Robuell Company, a corporation
Application June 20, 1932, Serial No. 618,096
3 Claims. (Cl. 50—35)

1. A fluid pressure regulator comprising a vertical cylindrical sleeve having a flange spaced from the lower end thereof, a horizontal high pressure inlet connection jacketing said sleeve, a housing constituting a horizontal low pressure outlet connection having a flanged portion telescoping with the lower end of said sleeve and removably secured to said first flange, an auxiliary cylindrical sleeve concentric with said first sleeve and located within and spaced from said housing at the sides and from said first sleeve at the upper end to provide a port, a port in said first

sleeve opening into said first jacket, a longitudinally ported hollow piston valve closed at both ends slidably disposed in said sleeves for regulating communication between said inlet and out-



let, a by-pass directing low pressure into said auxiliary sleeve against the piston valve end slidable therein to move the same in one direction, and regulable means for moving said valve in the opposite direction.

2,002,718
COLLAPSIBLE TUBE CONSTRUCTION
Walter A. Roselle, New York, N. Y.
Application December 31, 1934, Serial No. 759,847
3 Claims. (Cl. 221—60)



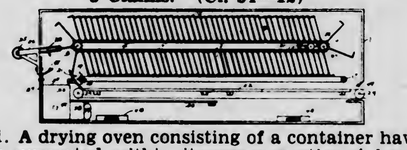
1. A container comprising a collapsible tubular member formed of soft material, a separately formed neck member of substantially incompressible material, and a seamless uniting ring of material harder than the tubular member, said neck member having an outer wall of larger diameter than the inside diameter of the main part of the tubular member, said tubular member having a mouth portion of larger diameter than the diameter of the main part and seated on the outer wall of the neck member, said ring surrounding the enlarged mouth of the tubular member and being under tension and holding the tubular member tightly on the neck member.

2,002,719
OPHTHALMIC LENS
Nathaniel Singer, New York, N. Y., assignor to Optical Research Corporation, New York, N. Y., a corporation of New York
Application July 18, 1933, Serial No. 681,000
4 Claims. (Cl. 88—54)



1. An ophthalmic lens composed of a single piece of optical glass, said lens having a central portion composed of glass which is transparent and of sufficient area so that direct vision normally occurs therethrough, said central portion being completely surrounded by a border of glass which is transparent and through which vision may accur but which has inherently in the glass thereof higher light-absorptive properties than the glass of the said central portion, the border of glass of higher light-absorptive properties extending through the full thickness of the lens in order to completely protect the said central portion from strong rays of light striking the lens upon or adjacent the edge thereof.

2,002,720
APPARATUS FOR DRYING SHEET MATERIAL
Russell M. Smith, Baltimore, Md.
Application April 13, 1933, Serial No. 666,039
5 Claims. (Cl. 34—12)



1. A drying oven consisting of a container having supported within its upper portion a horizontal conveyor, said conveyor having means thereon for forming individual pockets on its upper and lower horizontal sections; means at one end of said container for delivering printed sheet material upon said upper pocket forming means, means adjacent the other end for transferring the printed sheets from the upper pockets to the lower pockets, consisting of a rotating member located between the said pockets having means thereon for engaging the said sheet in the upper pocket and releasing them into the lower pockets, means at the forward end of the container for removing the sheets from the lower pockets consisting of a rotating member having means thereon for timing the opening of the said lower pockets, a releasing member rigidly secured to said container and inclined downwardly for disengaging the sheets from the said lower pocket, a second conveyor positioned beneath the upper conveyor and adapted to operate at a relatively lower speed for receiving said sheets from the lower pockets whereby the sheets will be deposited upon the said conveyor in overlapping position, and means for delivering the sheets out of the oven.
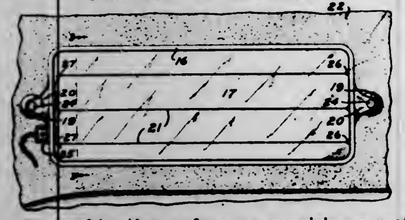
2,002,721
SEAT COVER HOLDER
Harry Thomasma, Grand Rapids, Mich.
Application May 2, 1932, Serial No. 608,606
2 Claims. (Cl. 4—242)



1. In combination, a toilet bowl having a horizontal surface, a hinged member therefor including two spaced apart posts each having a shoul-

der, a mounting plate having spaced apart openings through which said posts extend, said mounting plate being interposed between said shoulders and said horizontal surface, means acting upon the said post to produce clamping pressure between said shoulders and the horizontal surface of said toilet bowl and a dispensing device attached to and extending upwardly from said mounting plate.

2,002,722
FROST SHIELD
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application October 27, 1933, Serial No. 695,405
5 Claims. (Cl. 219—19)



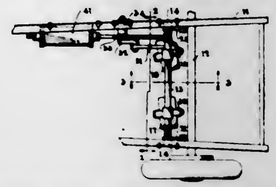
1. In combination, a frame comprising a metal band embedded within a rubber seal, a transparent sheet coacting along its entire peripheral edge with said seal within said band, said band being spaced from the peripheral edge of said sheet and biased to press said seal into intimate contact with said sheet edge, and heating means carried by said band and disposed within said frame.

2,002,723
CLOSURE
Carl E. Voke and Clarence E. Denbow, Columbus, Ohio; said Voke assignor of one-tenth to Charles S. Loudenslager, Columbus, Ohio
Application January 27, 1932, Serial No. 589,184
Renewed October 26, 1934
8 Claims. (Cl. 221—60)



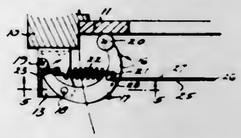
5. A closure unit for collapsible containers or the like comprising a collar member, a hollow plunger mounted in said collar member in such a manner that it may reciprocate therein, said hollow plunger being of greater height than the height of said collar member and having an open lower end and a closed upper end, an opening in the wall of said hollow plunger, said opening being closed by a member forming a part of said closure unit when the plunger is in its lowermost position and open when said plunger is in its uppermost position, means for limiting the lowermost position of said plunger, a compression spring mounted in surrounding relation to said hollow plunger and having its upper end abutting the lower end of said collar and its lower end abutting an outwardly extending flange on the lower end of said plunger, said spring being adapted to normally maintain said plunger in its lowermost position, all of the parts of said closure unit being combined as a separate unit which is placed as a whole into a hollow extension on the upper end of said container, the collar of said closure unit being secured in said hollow extension, said plunger being movable upwardly to allow the contents of said container to discharge from said opening when pressure is applied to said collapsible container and said spring being adapted to return said plunger to its normal position to close said opening when such pressure on the walls of said collapsible container is released.

2,002,724
MOTOR VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif.
Application May 15, 1931, Serial No. 537,631
2 Claims. (Cl. 180—1)



1. A lifting and traversing device for a vehicle having means for partially raising and lowering said device, including a cylinder with a piston reciprocally mounted therein operatively associated with the intake manifold of the vehicle motor, and additional means including the traction of the wheels at the unelevated end of said vehicle, both said cylinder and said traction coacting to effect the lifting or lowering at one end of said vehicle.

2,002,725
COMBINATION DOORCHECK AND DISPLAY
James W. Wyatt and John H. Pollard, Dallas, Tex., assignors to Screen Advertising, Incorporated, Dallas, Tex., a corporation of Texas
Application July 12, 1934, Serial No. 734,762
7 Claims. (Cl. 40—60)



1. A door check and display device for a swinging door comprising, a swinging member arranged to be swung by the opening and closing of the door, a display having a swinging mounting on said member so as to expose opposite sides each time said member is swung by the door, and means for swinging the display independently of and concurrently with the member when the member is swung by the opening or closing of the door.

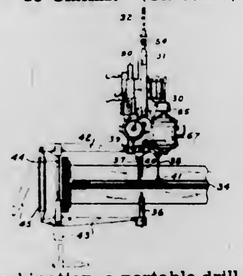
2,002,726
GOLF BALL
Leonard A. Young, Detroit, Mich.
Application July 6, 1932, Serial No. 621,068
1 Claim. (Cl. 273—62)

A golf ball having a series of spaced surface depressions, said depressions each having a rounded bottom and curved sidewalls, said sidewalls continuing on an unbroken curve from said



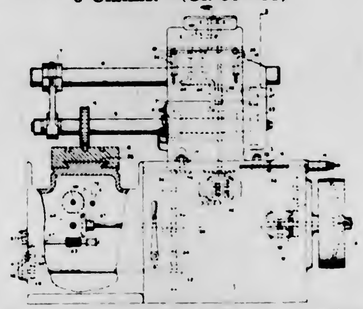
base to the surface of said ball and terminating in a polygonal configuration at said surface.

2,002,727
PORTABLE DRILLING MACHINE
Karl H. Andren, Milwaukee, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 9, 1932, Serial No. 604,169
16 Claims. (Cl. 77—7)



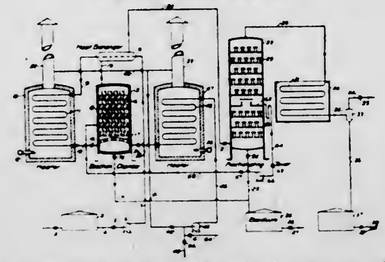
1. In combination, a portable drill press, means carried by said press for supporting the weight thereof independently of the tool directly upon a piece of work to be drilled, a clamp arm carried by said drill press and cooperable with the work piece in opposition to said supporting means to clamp the work near the point of drilling, and means controllable by the clamping action to automatically actuate the drill spindle.

2,002,728
MACHINE TOOL TRANSMISSION AND CONTROL
William K. Andrew and Joseph B. Armitage, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 8, 1931, Serial No. 542,758
6 Claims. (Cl. 90—16)



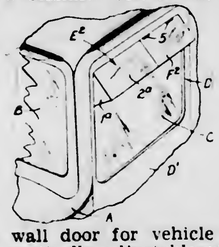
1. In a milling machine, the combination of a first work support table, a support providing a guideway for reciprocatory movement of said table, said guideway having an extended portion, a second work support table guided in said extended portion for reciprocatory movement, a plurality of rotatable tool spindles respectively associated with said first and second work table, and transmission mechanism for movement of said tables including for each table means individually selective of feed or quick traverse rates of table movement, whereby either table may be operated at either rate irrespective of the rate at which the other table is operative.

2,002,729
PROCESS OF PRODUCING MOTOR FUELS FROM HYDROCARBON OILS
Marvin L. Chappell, Watson, Calif.
Application May 28, 1934, Serial No. 727,972
8 Claims. (Cl. 196—65)



6. A method of processing hydrocarbon oil for the production of motor fuel and a Bunker fuel oil, the steps which comprise, heating the oil under superatmospheric pressure to a cracking temperature ranging from approximately 800 to 1300° F., passing the heated oil into a vaporizing zone and separating a vaporized portion of the oil from a primary residual oil; combining with the vaporized portion of the oil an aeriform fluid having a free oxygen content ranging from 5 to approximately 18 per cent by volume, in an amount which will improve the anti-detonating characteristics of the vaporized portion of the oil; passing the combined mixture of vaporized oil and aeriform fluid through a reaction zone at a temperature ranging from approximately 800 to 1300° F., fractionating the reaction products and separating aeriform products, motor fuel and a higher boiling distillate from a secondary residual oil; combining the separated secondary residual oil with the primary residual oil to form Bunker fuel oil.

2,002,730
VENTILATING APPARATUS FOR VEHICLE BODIES
William D. Crowell, St. Louis, Mo., assignor to Automobile Ventilation, Inc., Detroit, Mich., a corporation of Michigan
Application February 1, 1933, Serial No. 654,576
3 Claims. (Cl. 98—2)



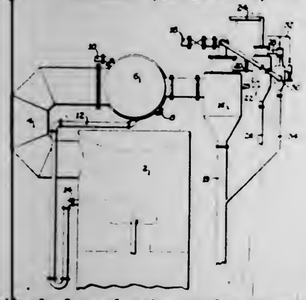
3. A side wall door for vehicle bodies, provided with a vertically-adjustable window that is adapted to be partially lowered so as to produce

a ventilating slot at the top edge of the window, a window pocket in said door, a suction intensifier and rain deflector mounted on the exterior of said door at the upper end of the window opening therein and provided with a portion for enhancing the suction effect on said ventilating slot, and an adjustable means for preventing air from flowing into the vehicle over the rear top edge of the window only when the ventilating slot is in use, comprising a hinged or pivotally mounted member movable from substantially the plane of said deflector and independently thereof into position to close off the rear portion only of said ventilating slot.

2,002,731

METHOD OF CONDENSING PETROLEUM FRACTIONS

George B. Coubrough, Long Beach, Calif., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application March 20, 1933, Serial No. 661,727
1 Claim. (Cl. 196—77)

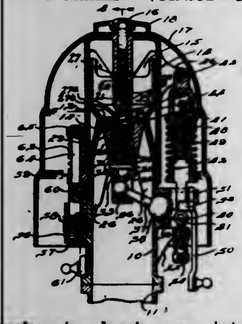


A method of condensing under vacuum hydrocarbon vapors containing some low boiling cracked distillate vapors which consists in first liquefying uncracked vapors by surface condensation, contacting the uncondensed vapors directly with water, absorbing the non-condensable cracked vapors in a heavy hydrocarbon having a negligible vapor pressure, and pumping air from the system.

2,002,732

CARBURETOR

Jay S. Culp, Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application July 30, 1932, Serial No. 626,638
15 Claims. (Cl. 261—51)

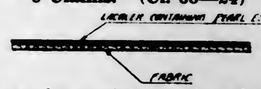


2. A carburetor having a mixture passage, a fuel conduit having an orifice, a throttle valve in said passage at the engine side of said orifice and adapted to be opened as a result of suction effects induced at predetermined operating speeds of the engine and adapted to close said passage at predetermined low speed of the engine, fuel metering means associated with said orifice and movable to vary the fuel supply by the movement of said throttle valve, and vacuum operated means for opening said orifice when said throttle valve is closed and movable independently of the latter.

2,002,733

SCREEN FOR RECEIVING PROJECTED IMAGES

Francis Earle, Montclair, N. J., assignor to The Mearl Corporation, Montclair, N. J., a corporation of New Jersey
Application March 9, 1933, Serial No. 660,115
8 Claims. (Cl. 88—24)

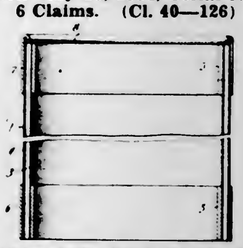


1. A screen for receiving projected images comprising a background and a lacquer surface coating with crystals of pearl essence dispersed therein.

2,002,734

DISPLAY ARTICLE AND METHOD OF PRODUCING THE SAME

Harve Ferrill, Chicago, Ill., assignor to Creative Displays, Inc., Chicago, Ill., a corporation of Illinois
Application May 16, 1934, Serial No. 725,886
6 Claims. (Cl. 40—126)



1. An article of the kind described embodying therein a length of corrugated sheet material formed into a tubular body having a periphery approximating said length, inner members, one for and extending around the inside of each end of the body, and outer members, one for and extending around the outside of each end of the body, said members coacting to retain the body in its tubular form, one of the outer members at one end of the body including means to provide a closure for said end of the body.

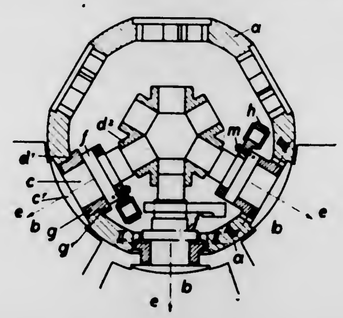
6. The steps in the method of producing a display article which consist in providing sheet material of the desired length and forming it into a tubular body having a periphery approximating said length, applying a collar to the outside of the body at a point between its ends, inserting a second collar into an end of the body and moving the first mentioned collar toward said end of the body to coact with the second collar in holding said end of the body in tubular form.

2,002,735

ADJUSTABLE BLADE RUNNER

Carl Fuchs, Mergelstetten, near Heidenheim-on-the-Brenz, Germany
Application November 19, 1931, Serial No. 575,987
In Germany November 24, 1930
9 Claims. (Cl. 253—148)

1. A runner including a one-piece hub body, runner blades, each having a trunnion provided with a rigidly fixed collar in spaced relation to the blade and the end of the trunnion, the said hub body having openings in its wall receiving the blade trunnions, bearing means within the hub body for the inner ends of the blade trunnions, split bushings within said openings bearing at their inner ends against one side of said collars and having bayonet joint means seated



against the inner face of the body wall of the hub to transmit axial thrust thereto, each trunnion, with its collar and bushing, being insertable as a unit through one of the hub openings from the exterior thereof and rocker arms for rotatably adjusting the blades rigidly fixed to the opposite side of each collar within the hub body.

2,002,736

WINDSHIELD

William J. Grotenhuis, Chicago, Ill., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application August 4, 1930, Serial No. 473,046
Renewed April 9, 1934
14 Claims. (Cl. 296—84)

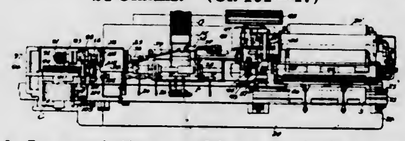


1. In combination, a deflector shield, supporting members secured to opposite edges of said shield, a bracket having its medial portion pivotally associated with one of said members and having portions on opposite sides of said medial portion of greater flexibility than said medial portion and readily distortable to fit various forms of reveals, and an adjustable pivot associated with the opposite side of said shield adapted to pivot within a hole formed directly in an adjacent reveal.

2,002,737

PRINTING MACHINE

Emmett C. Hartley, Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application May 8, 1931, Serial No. 535,818
24 Claims. (Cl. 101—47)

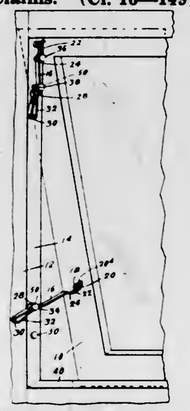


1. In a printing machine, a printing couple, means for moving a web through said printing couple whereby impressions may be made at spaced intervals on one face thereof, means for severing sheets from the web intermediate the impressions, a platen, means for carrying the severed sheets into printing position below said platen, means for moving printing devices into said printing position whereby impressions may be made on said sheets from said printing devices, and means for rendering said platen, sheet carrying means, severing means, and web moving means inoperative when predetermined of the printing devices move into printing position.

2,002,738

STORM WINDOW AND SCREEN HANGER

Richard J. Haug, Nashua, N. H.
Application January 3, 1933, Serial No. 649,961
4 Claims. (Cl. 16—149)



1. A hanger for storm windows and the like comprising a member adapted to be secured to a window, and a spring lever pivotally connected with said member having longitudinally spaced indented portions providing pin seats on its opposite faces and a third pin seat spaced beyond the other pin seats and a loop beyond said third pin seat having a reflexed pin-engaging end which overlies and is spaced from the entrance of said third pin seat and is arranged to bear resiliently against a pin therein to hold the pin in said pin seat.

2,002,739

EXTENSIBLE ELECTRIC CONDUCTOR

Karl Herkenberg, Oberbarmen-Heckinghausen, Germany
Application December 11, 1931, Serial No. 580,385
In Germany December 5, 1930
2 Claims. (Cl. 173—264)
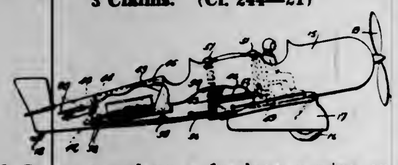
1. A longitudinally expansible electric conductor comprising a core of elastic material and con-

ductor elements loosely braided around said core, each of said elements comprising an in-



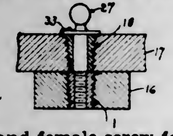
sulating thread and a flat metallic band spirally wound around the insulating thread.

2,002,740
AEROPLANE
Jakob Hojnowski, Nekoosa, Wis.
Application July 11, 1934, Serial No. 734,660
3 Claims. (Cl. 244—21)



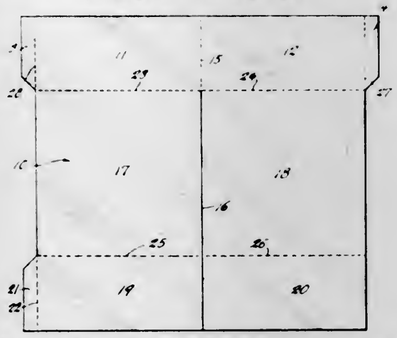
1. In an aeroplane, a fuselage, a wing on the fuselage, dive controlling ailerons at the leading and trailing edges of the wing, an elevator at the rear end of the fuselage, a track in the fuselage, a wheeled weight on the track, a sliding passenger carriage in the fuselage, means forming direct connections between the sliding carriage and ailerons for operation thereof by movements of the carriage, including journalled shafts in the wing to which the ailerons are attached, rack and pinion connections between one end of the carriage and a shaft, link arm connections between the other end of the carriage and the other shaft, cable connections between the wheeled weight and elevator, a parachute casing having hinged covers, connected and tensioned latch rods for holding the covers in closed position, an arm projecting from one latch rod, and a lever for restraining the arm from movement having a cable connection with the wheeled weight for operation of the lever to release the arm.

2,002,741
SCREW FASTENING MEANS
Emma F. Hunt, Brooklyn, N. Y.
Application July 30, 1932, Serial No. 627,059
2 Claims. (Cl. 85—1)



1. A male and female screw for pivotally holding an object, comprised of a female member having an outside wood screw thread, and an inside machine screw thread, a flange with a multiple of downwardly upset portions adjacent its periphery and a slot on the flange of less length than the diameter of the flange, a bearing member having on outside wood screw thread, an inside through hole, a flange with a multiple of downwardly upset portions thereon and a screw slot in the flange and a male member provided with machine screw threads engageable with the machine screw threads of the female member, a head with a handle, said head provided with a flange holding an adjustable locking pin.

2,002,742
CONTAINER
Samuel Karasik, Oak Park, Ill., assignor to The Curtiss Candy Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1934, Serial No. 740,396
1 Claim. (Cl. 229—30)



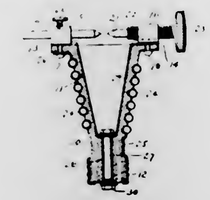
A blank for forming a box and comprising opposed members divided in part by a slit and in part by a score, each member having a main body and opposed extensions, one extension from each member being integral with an extension from the other member and separated by such score, and the main bodies and the other extensions being separated by such slit, there being tabs upon three of said extensions and the fourth being without a tab.

2,002,743
MINING MACHINE
Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1932, Serial No. 645,648
25 Claims. (Cl. 262—30)



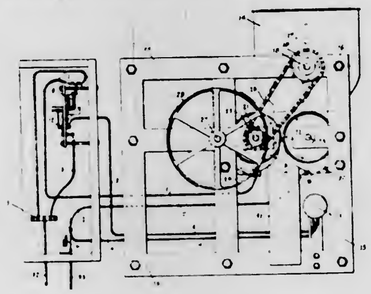
7. In a mining machine, a motor, cutting mechanism disposed forwardly of said motor including a horizontal plane chain carrying cutter bar pivotally movable about a vertical axis, feeding mechanism disposed rearwardly of said motor including a feed drum and a transversely extending shaft operably connected with said feed drum adjacent its outer end selectively driven by said motor, and other means driven from said shaft independently of said feed drum for pivotally moving said cutter bar about a vertical axis comprising a rack adapted to have connection with said cutter bar, a pinion meshing therewith, and a drive connection from said shaft to said pinion.

2,002,744
ELECTROTHERAPEUTIC ELEMENT
Louis Ludwig, Brooklyn, N. Y.
Application January 20, 1933, Serial No. 652,660
2 Claims. (Cl. 174—177)



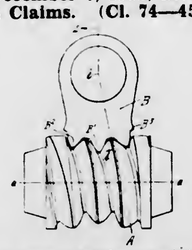
1. An element of the class described comprising an insulating and heating resisting cup-shaped body member having a rear extension, a threaded contact shell secured on said rear extension, a pair of oppositely-disposed and sidewardly-extending lugs formed on the outer end of the body member, a pair of electrode supports secured on said lugs, a pair of electrodes mounted in said supports, a resistance element spirally wound on the outside of the cup-shaped part of the body member, an opening formed centrally in the rear extension of the body member, a center contact secured in said opening, and the resistance element connected in series with the electrodes and with the threaded shell and the center contact.

2,002,745
MACHINE AND METHOD FOR DETECTING PINK BOLLWORM IN COTTON SEED
Robert E. McDonald, San Antonio, Tex.; dedicated to the free use of the Public
Application October 14, 1932, Serial No. 637,802
2 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



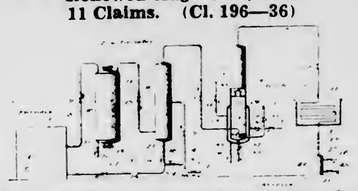
1. In a device for detecting the presence of bollworms in cotton seed, the combination of a pair of electric current conducting empaling means, means for moving said empaling means into opposed registering relation out of contact but spaced apart less than the diameter of a cotton seed, means for positioning a cotton seed between said empaling means for empalement thereby, an electrically operated indicating device, a source of electric energy electrically connected with said empaling means and indicating device in such a manner as to operate said indicating device upon establishment of an electrical communication between said empaling means.

2,002,746
STEERING GEAR
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application December 7, 1932, Serial No. 646,093
14 Claims. (Cl. 74—458)



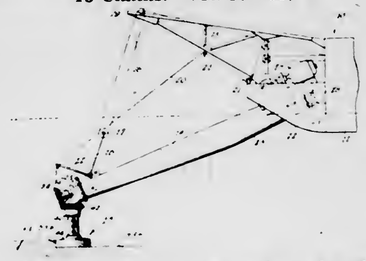
1. A steering gear couple consisting of an hour glass worm having a thread with bearing portions of which the opposite sides are straight in axial profile, and a complemental gear segment having spur teeth which as a whole are parallel to its axis and are conjugate to the thread convolutions on a pitch circle of smaller radius than the pitch meridian of the worm.

2,002,747
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application January 30, 1931, Serial No. 512,475
Renewed August 23, 1933
11 Claims. (Cl. 196—36)



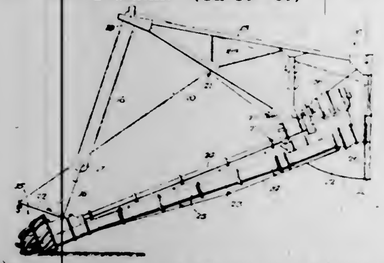
1. In the refining of cracked hydrocarbon vapors, the step which comprises passing the vapors with ammonia gas through molten alkalinous metal.

2,002,748
HYDRAULIC DREDGE
Aloys Neveling, Chicago, Ill.
Application July 9, 1932, Serial No. 621,662
13 Claims. (Cl. 37—65)



1. The combination in a dredge, of a downwardly inclined suction conduit, and a cutter rotatably mounted on the lower end of said conduit, said cutter having a lower cutting blade of general spiral form comprising a series of sections arranged end to end, said sections being of linear form and being relatively inclined to each other.

2,002,749
HYDRAULIC DREDGE
Aloys Neveling, Sr., Chicago, Ill.
Application April 16, 1934, Serial No. 720,722
1 Claim. (Cl. 37—67)



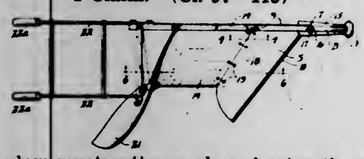
The combination in a dredge, of a suction conduit, a head mounted at the end of said conduit and comprising a radial disk having a tubular shell extending endwise therefrom, said disk having a passage leading therethrough into said conduit, said shell having another passage leading therethrough into said conduit, said shell being closed at its outer end except for said last named passage, and a rotary cutter mounted to revolve about said head, two annular series of cutting blades, one series of cutting blades being located around said shell and arranged to discharge into said first named passage, the other series of cutting blades being located beyond the end of said shell and being adapted to discharge into said last named passage.

2,002,750
JIG SAW PUZZLE
Minnie E. Noble, Berkeley, Calif.
Application September 28, 1932, Serial No. 635,164
3 Claims. (Cl. 273—157)



1. In a puzzle of the character described, a blank of soft compressible rubber or the like arranged for cutting into a plurality of odd-shaped sections for assembly, and a figured cover of substantially inelastic material secured to one side of said blank and serving to hold the blank fibers adjacent the cover against transverse distortion for cutting of the blank and as an inelastic base against which the blank may be cut.

2,002,751
PLOW
Nels F. Nordstrom, Minneapolis, Minn.
Application May 1, 1933, Serial No. 668,789
1 Claim. (Cl. 97—115)



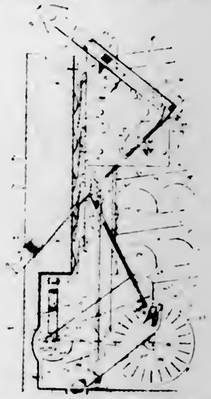
In plow construction, a share having the usual point, landside and cutting edge, a mold board, the lower or forward edge of which is contoured to in effect form a continuation of the coutour of the rear edge of said share, the working surface of said mold board being curved convexly in horizontal cross section and being concave rearwardly and upwardly throughout its entire length and having a wing at its upper end opposite to said landside, said wing being shaped as a continuation of the contour of the body of said mold board and being also curved convexly in horizontal cross section and being curved concavely in a longitudinal direction.

2,002,752
APPLICATOR CAP
John J. Pahls, St. Louis, Mo., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application May 17, 1932, Serial No. 611,784
8 Claims. (Cl. 91—67.2)



1. In a device of the class described, the combination of a closure cap having a well extending downwardly from the underside thereof, a peg member extending into and secured to said well, and a quill adapted to be used as an applicator, said quill being telescoped over said peg member and secured thereto, said peg member extending downwardly from said well a substantial distance and extending into said quill a substantial distance to reinforce the quill against transverse bending and splitting when utilized as an applicator.

2,002,753
VENDING MACHINE
Robert D. Parks and Glenn W. Hildenbrand, Lohrville, Iowa, assignors to National Vending Company, Burnside, Pa., a corporation of Delaware
Application February 7, 1931, Serial No. 514,091
7 Claims. (Cl. 194—1)



1. In a vending machine of the character described, a coin chute, electrically actuated means for controlling the discharge of articles from the

machine, a switch for said means, an operator for the switch and disposed to be actuated by the coins passing through the chute, and means actuated by the first named means and associated with the chute for automatically selecting therefrom certain of the coins as a rental charge for the machine.

2,002,754
MACHINE FOR MAKING SPRINGS
Alfons F. Prange, St. Louis County, Mo.
Application October 21, 1933, Serial No. 694,588
17 Claims. (Cl. 153—64)



1. A machine for making springs comprising a base, a rotative spindle supported vertically by said base and having a vertical slot in its upper end adapted to receive the inner ends of bands or tapes to be coiled into springs, a spring ejector mounted in said base and supporting the upper end of said spindle and means supported above said base and engageable with said upper end of said spindle for rotating the same to coil said bands or tapes around said spindle and around each other.

2,002,755
STUNNING TONGS
Richard W. Regensburger, Chicago, Ill., assignor, by mesne assignments, to Institute of American Meat Packers, Chicago, Ill., a corporation of Illinois
Application November 21, 1933, Serial No. 699,029
15 Claims. (Cl. 175—311)



1. An instrument for electrically stunning animals, which instrument comprises a pair of spaced prongs each of which is provided with a flesh engaging electrode, a leading in wire, connected to one of said electrodes, a leading out wire connected to the other electrode, a switch carried by the handle portion for opening and closing at will to control the flow of current from one electrode to the other, and tubular piping for supplying brine to said electrodes.

2,002,756
MARKER
George Segelhorst, Stowe, Ohio
Application January 24, 1934, Serial No. 708,690
11 Claims. (Cl. 40—125)

4. A portable marker comprising a molded rubber deformable base, a weight embedded in the lower portion of said base, said base having a cavity above said weight and deformable staff removably carried by said base, said base



having a plurality of integral radial flanges extending outwardly from the bottom thereof and an integral, outwardly extending circumferential flange disposed above said weight.

2,002,757
LIQUID DISPENSING SYSTEM
Reginald C. Shand, Piedmont, Calif.
Application August 28, 1933, Serial No. 687,038
4 Claims. (Cl. 221—67)

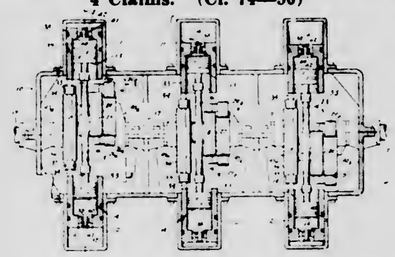


1. In a system of the character described, a motor vehicle carrying a liquid tank, a fluid pressure-operated valve unit for dispensing liquid from said tank, means for applying fluid under pressure to said valve unit to effect opening of the same, and fluid pressure-operated means having a fluid connection with said last named means and serving to preclude operation of the motor of the vehicle when said valve unit is opened.

2,002,758
PROCESS OF MANUFACTURING AN ALUMINUM ALLOY
Ernest W. Westhoff, Detroit, Mich.
No Drawing. Application September 18, 1933, Serial No. 689,956
8 Claims. (Cl. 75—1)

1. The process of making an aluminum and chromium alloy, which comprises reducing the aluminum to a molten state, and adding chromium in the form of an electroplated deposit.

2,002,759
INTERNAL COMBUSTION ENGINE
Esau Workman, Corcoran, Calif.
Application September 26, 1933, Serial No. 691,028
4 Claims. (Cl. 74—50)



1. In an engine, a group of piston cylinders which are arranged in pairs, the cylinders which compose each of said pairs being in a parallel

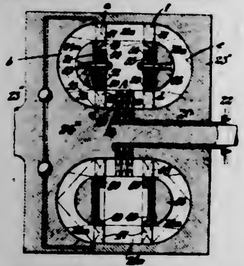
spaced relation to each other, supporting means whereon said cylinders are mounted, a piston rod frame, pistons carried by said frame, a piston being thus provided for each of said cylinders, a crank shaft having a crank portion, a rotor mounted on said crank portion, a frame having a central portion in an operative relation to said rotor, said frame having raceways at opposite sides of said rotor, and means mounted upon said piston rod frame to travel along said raceways and thereby actuate the last recited frame and rotate said shaft, said raceways being elliptical in shape and having their long axes directed at substantially right angles to the direction of the reciprocation of said piston rod frame.

2,002,760

FLUID TRANSMISSION OF POWER

Walter Gordon Wilson, Martyr Worthy, Winchester, England

Application June 11, 1934, Serial No. 730,162
In Great Britain December 14, 1932
22 Claims. (Cl. 60—54)



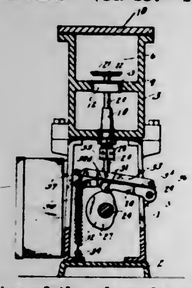
6. A hydraulic transmission comprising driving and driven members having vanes, a fluid circulating between said members and a fluid return passage between said members, sets of rotary vanes in said passage, and means operatively connecting the sets of vanes together whereby the movement of the fluid past one set of vanes rotates the latter in one direction and causing another set to rotate in the opposite direction to impart rotation to the fluid.

2,002,761

AUTOMATICALLY CONTROLLED MULTIPLE VALVE FOR STEAM LINES

Charles E. Armstrong, Corvallis, Oreg., assignor to Armstrong Heat Control Corporation, Corvallis, Oreg., a corporation of Oregon

Application June 21, 1933, Serial No. 676,884
3 Claims. (Cl. 137—145)



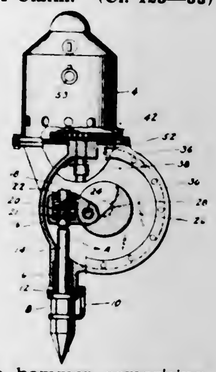
1. In a device of the class described, the combination of a base, a mechanism supporting frame superposed on the base, a steam chest superposed on the frame, a diaphragm disposed within the chest, valves disposed in the diaphragm, the stems extending downwardly therefrom, a cam shaft journaled relative to the frame and extending longitudinally thereof, a prime mover disposed upon the base, a speed reducer interposed between the prime mover and the cam shaft and adapted for driving the cam shaft at a reduced speed, a plurality of cams spaced apart and disposed upon the cam shaft, a valve lifter hinged relative to the frame, the valve lifter being adapted for riding the camming surface of the cam, and engaging the lower end of the valve stem for coacting with the depending valve stem to operate the valve, a floating linkage member linked to the body element and pivotally secured to the valve stem and provided at its free end with spring anchorage means and a reactance member secured at its one end to the free end of the floating linkage member and at its other end to the frame.

2,002,762

ELECTRIC HAMMER

Eber Watson Badcon, Seattle, Wash., assignor to Resilent Hammer, Inc., Seattle, Wash., a corporation

Application February 12, 1934, Serial No. 710,963
1 Claim. (Cl. 125—33)



An electric hammer comprising a casing, a hammer base rotatably mounted in the casing, power means associated with the casing for rotating the hammer base, an arm pivotally connected to the hammer base, a striker member carried by said arm and resilient means positioned between said striking member and said arm.

2,002,763

HEATING CONVECTOR

Edward J. Bair, New Hartford, N. Y., assignor to Utica Radiator Corporation, Utica, N. Y., a corporation of New York

Application July 26, 1934, Serial No. 737,020
7 Claims. (Cl. 257—150)



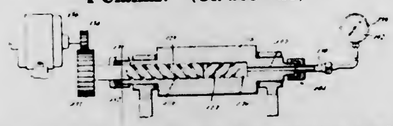
2. A cast metal heater section of the convector type comprising a horizontal tube having a header at each end; a rectangular frame, of substantially the same height as the section, surrounding said tube and said headers; a set of fins formed between the tube and headers and the sides of said frames and extending from the vertical center axis of the section to the top of the section; another set of fins formed between the tube and headers and the sides of the frames but extending from the center axis to the bottom of the section; said sets of fins staggered in relation to each other; openings in the top and bottom of said headers for connecting the sections vertically above each other; and means for connecting the inlet and outlet pipes either to the bottom or the sides of the section.

2,002,764

BRAKE TESTING MACHINE

Frank P. Bucklein, Los Angeles, Calif., assignor to Bucklein Manufacturing Corporation, Ltd.

Application March 13, 1929, Serial No. 346,627
4 Claims. (Cl. 265—25)



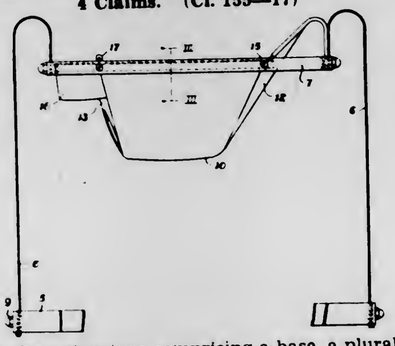
3. A brake testing machine comprising a wheel engaging roller having a longitudinally axial bore internally threaded therein, a threaded shaft extending into the bore with its threads meshing with the threads of the bore, said shaft being mounted for rotation and longitudinal movement, means for rotating the shaft, and means resisting longitudinal movement of the shaft with respect to the roller, said means serving to measure forces longitudinally effective upon the shaft.

2,002,765

CHAIR

James Waring Carpenter, Pittsburgh, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 30, 1933, Serial No. 695,763
4 Claims. (Cl. 155—17)



2. Seat structure comprising a base, a plurality of bars of spring-like material, secured at their lower ends to the base and extending vertically in straight lines throughout the major portion of their length, the upper portions of the bars being bent inwardly and downwardly, and a seat secured to the downwardly-bent upper extremities of the said bars, the bars being of substantially uniform flexibility throughout their lengths.

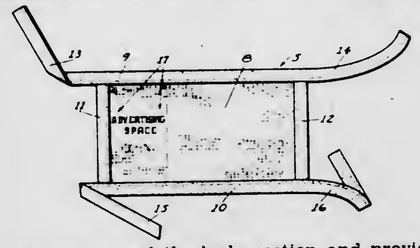
2,002,766

PINCUSHION ADVERTISING DEVICE

Henry F. Carlston, Daly City, Calif.

Application August 16, 1933, Serial No. 685,319
2 Claims. (Cl. 223—60)

1. A combined advertising novelty and pin cushion to be attached to the sewing machine, and embodying a rectangularly shaped cotton fabric body section having all edges bound and stitched, and the side sections of said binding



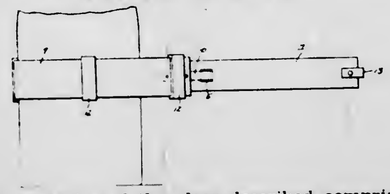
projecting beyond the body section and providing means for attaching the body section to a portion of the sewing machine.

2,002,767

JAR OR BOTTLE HOLDER

Joseph Louis Donovan, Duluth, Minn.

Application June 29, 1934, Serial No. 733,145
2 Claims. (Cl. 81—3.2)



1. A device of the class described comprising a handle of tubular form and having a plurality of spaced openings in one side thereof and an opening in the opposite side adjacent one end thereof, said one end having an eye therein, a flexible band having means at one end for engaging the eye and adapted to pass through the second mentioned opening and having a hook at its free end for engaging any one of the other openings.

2,002,768

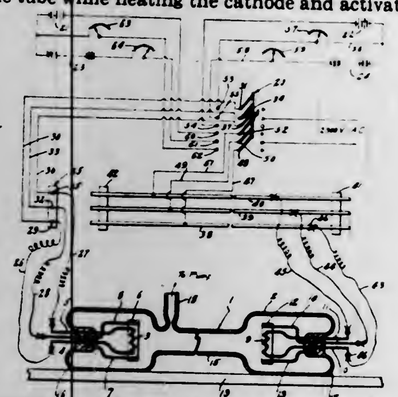
METHOD OF PRODUCING HOT CATHODE TUBES

Ellis Osmon Erickson, Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application May 10, 1932, Serial No. 610,454
3 Claims. (Cl. 176—2)

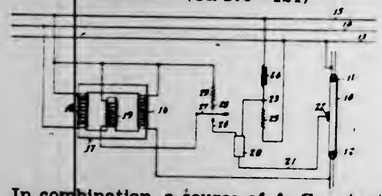
2. The method of processing hot cathode electrical discharge tubes having a coated cathode and having an activating electrode adjacent the cathode and another electrode at a point remote from the cathode which includes the steps of (1) applying a high potential between the activating electrode and the remote electrode while maintaining sufficient gas pressure in the tube to produce a discharge capable of heating the envelope of the tube to remove gas therefrom; (2) exhausting the tube to a very low pressure while applying potential between the cathode and its adjacent activating electrode to activate the electrode; (3) introducing into the tube at sufficient pressure to support an envelope-heating discharge, a gas which is chemically inactive with respect to the activated cathode and again applying a high potential only between the activating electrode and the remote electrode to remove from the envelope any gas absorbed thereby during the activation of the cathode; (4) exhausting

the tube while heating the cathode and activating



electrode, and (5) introducing the desired operating gas and sealing off the tube.

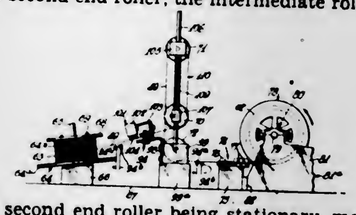
2,002,769
ELECTRICAL CONTROL CIRCUIT
Ellis Osmon Erickson, Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application May 15, 1933, Serial No. 671,055
9 Claims. (Cl. 176—124)



1. In combination, a source of A. C. potential; a non-self-starting gaseous discharge device having high impedance when not operating, a lower impedance when operating, and requiring current in excess of a predetermined value to maintain it in operation; means for supplying operating current from said source to said discharge device comprising a transformer having first and second core sections constituting a closed magnetic circuit of low reluctance, and a third core constituting a magnetic circuit of relatively high reluctance in shunt to said first and second sections, said first core section having a primary winding thereon connected to said source, said second core section having a secondary winding thereon connected to said discharge device, and said third core section having a control winding thereon; and a switch and impedance element connected in series with said control winding for decreasing the current supplied to said discharge device below said predetermined value in response to closure of said switch.

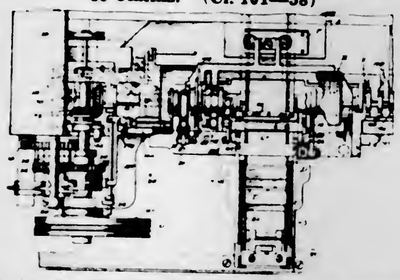
2,002,770
WIRE TESTING MACHINE AND METHOD
Crosby Field, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc., a corporation of New York
Original application June 18, 1927, Serial No. 199,692. Divided and this application August 3, 1928, Serial No. 297,320. In Canada June 11, 1928
14 Claims. (Cl. 265—18)

2. A wire testing device, including an end roller, a second end roller, an intermediate roller, the wire extending from its source around the intermediate roller, then around the first end roller and then around the second end roller, wire traction means to which the wire is conducted from the second end roller, the intermediate roller and



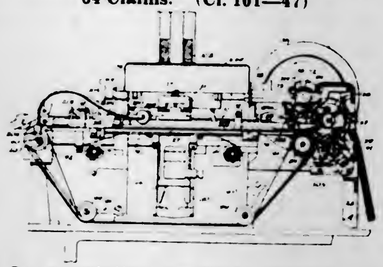
the second end roller being stationary, means to floatingly support the first end roller, a spring against the action of which the first roller may move bodily in accordance with the tension of the wire, all bends of the wire around said rollers being in the same direction.

2,002,771
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a corporation of Delaware
Application November 22, 1930, Serial No. 497,438
46 Claims. (Cl. 101—58)



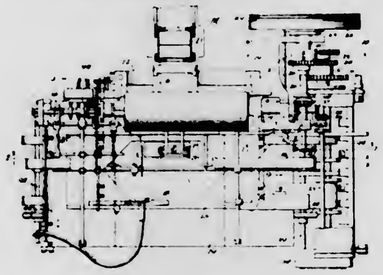
1. In a printing machine, printing means, means for sequentially moving lead and follower printing devices past the printing means, a selector for determining the operation of said printing means, and detecting means including a part cooperating with the lead printing devices to determine the set-up of said selector and another part cooperating with the follower printing devices to maintain the set-up of said selector.

2,002,772
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a corporation of Delaware
Application November 22, 1930, Serial No. 497,439
64 Claims. (Cl. 101—47)



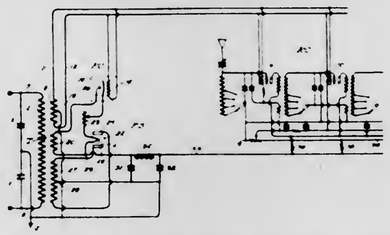
1. In a printing machine, printing means, means for moving a sheet across the machine and past said printing means in one direction and for discharging the sheet, means for moving the sheet past the printing means in the opposite direction prior to movement thereof from the machine, and means for moving the sheet transversely to said first-named movements whereby printing operations may be performed on different portions of said sheet.

2,002,773
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a corporation of Delaware
Application November 22, 1930, Serial No. 497,440
20 Claims. (Cl. 101—47)



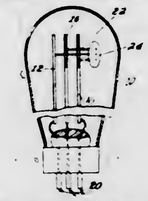
1. In a printing machine which has printing means and means for controlling the operation thereof whereby a variable number of impressions may be made on a sheet fed into the machine, sheet feeding means, and means controlling the operation of said sheet feeding means and including a part which is in operative position when the last impression is being made on a sheet and another part operating in timed relation with the printing means and cooperating with the first part to delay feeding of a new sheet into the machine until the last impression has been made on a previously fed sheet.

2,002,774
POWER SUPPLY CIRCUIT
Sigwald M. Hammer, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1929, Serial No. 339,043
20 Claims. (Cl. 250—27)



19. In combination, an electric translating circuit including an electric valve provided with a thermionic cathode and means having thermal characteristics similar to those of said cathode for maintaining said valve non-conducting for a sufficient interval of time after the energization of said circuit for said cathode to reach substantially its normal operating temperature.

2,002,775
CATHODE GLOWLAMP
Andrew F. Henninger, Jr., Chicago, Ill.
Application June 21, 1930, Serial No. 462,744
10 Claims. (Cl. 176—14)



1. A glow lamp, comprising a sealed envelope having a gaseous filling, a plurality of electrodes within the envelope, each electrode formed of a conducting material adapted to glow when connected to a source of potential, one of said electrodes comprising a sheet of wire mesh, said wire mesh having means thereon producing a half-tone lighting effect when the lamp is viewed from the wire mesh side.

2,002,776
SAFETY SYSTEM FOR THERAPEUTIC LAMPS
Ralph C. Hyde, Los Angeles, and Ellis O. Erickson, Pasadena, Calif., assignors to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application December 5, 1933, Serial No. 700,978
4 Claims. (Cl. 171—97)

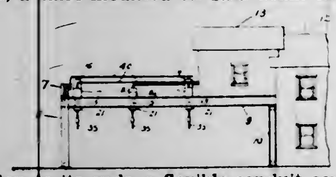


3. In a system of the character described, a transformer, a receptacle having electrical terminals connected to the high potential winding of said transformer, a switch on said receptacle connected to the low potential winding of said transformer, a plug connection having electrical terminals thereon connected to said electrical apparatus for insertion in and engagement with said receptacle terminals, a cover plate on said receptacle having openings therein through which said plug terminals may pass, means mounting said receptacle terminals out of alignment with the openings in said plate whereby said plug terminals must be inserted through said openings and then rotated relative to said receptacle to engage said receptacle terminals, a guide stem on said plug in fixed relation thereto, and means on said guide stem operably responsive to rotation thereof for engaging and closing said switch only when said plug terminals are in engagement with said receptacle terminals.

2,002,777
SERVICE STATION
Henry C. Johnson, Colton, Calif.
Application May 28, 1934, Serial No. 727,991
4 Claims. (Cl. 221—67)

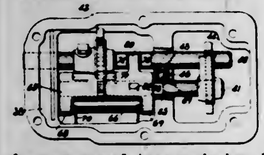
1. In a structure for the purpose stated, a transversely extending beam, means to support

said beam at its end portions in an elevated position, a tank mounted on said beam in spaced



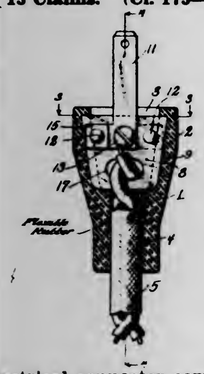
relation to its ends, a flexible conduit communicating with said tank, and means supported by said beam to extensibly support said conduit.

2,002,778
TRANSMISSION
Joseph H. Jones, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application October 31, 1932, Serial No. 640,411
6 Claims. (Cl. 74—475)
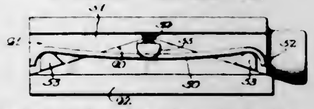


1. In a change-speed transmission having selectively engageable gear elements and a shifter bar for engaging said gear elements in different speed ratios, a locking device for maintaining said gear elements against accidental disengagement comprising, a substantially flat plate pivotally mounted at one side of said shifter bar at substantially the horizontal axis thereof having means thereon to cause disengagement of said plate with said shifter bar during the initial longitudinal movement of said bar, and a tongue on said plate in the horizontal plane thereof engageable with said shifter bar to positively restrain said bar against accidental movement after the said longitudinal movement thereof.

2,002,779
CONNECTER CAP
Francis C. Kollath, Chicago, Ill., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 21, 1929, Serial No. 401,049
13 Claims. (Cl. 173—361)



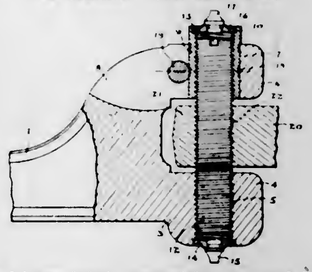
6. An electrical connecter comprising a casing made of elastic material having oppositely disposed longitudinal grooves therein, a relatively thin but relatively rigid insulating base slidingly and removably received in said grooves and longitudinally disposed in said casing, means for holding said base in said grooves, and electrical contacts connected with said base and having portions thereof projecting from said casing.

2,002,780
GATE VALVE
Milton P. Laurent, Houston, Tex., assignor to W-K-M Company, Inc., Houston, Tex., a corporation of Texas
Application October 4, 1930, Serial No. 486,383
1 Claim. (Cl. 251—68)



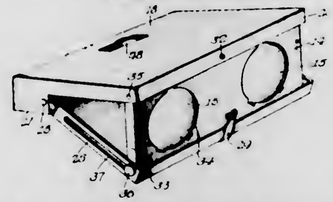
In a valve of the class described, the combination of a valve housing having aligned ports and an interior chamber, parallel valve seats in said housing, a gate valve mechanism having a port for registration with said housing ports and slidable on the seats to move its port into or out of registration, said valve mechanism including two members having outer parallel faces abutting said seats and having inner abutting faces in angular relation to provide a wedge-like action when the members are shifted relatively to each other to expand the gate mechanism with respect to the valve seats, means for sliding the gate mechanism on said seats, means for shifting the members of said gate mechanism relatively longitudinally to each other on their inner abutting faces, means for maintaining said members with their inner abutting faces in contact during the sliding movement of the gate mechanism said means including spring clips disposed at the sides of said gate mechanism and lugs on said gate mechanism engaged by said spring clips, to prevent leakage of fluid between the said members of the gate mechanism, and spring actuated sealing rings in said seats surrounding the ports and yieldingly bearing against the parallel outer faces of the members of the gate mechanism to prevent leakage of fluid between said gate mechanism and the seats.

2,002,781
HINGED JOINT
John Wycliffe Leighton, Port Huron, Mich.
Application September 15, 1934, Serial No. 744,147
4 Claims. (Cl. 287—100)



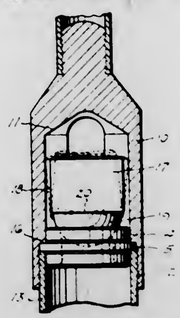
1. A hinge joint comprising spaced lugs having axially aligned orifices, the wall of one orifice having a threaded bearing surface, and a hinge pin threaded externally and having a threaded bearing engagement with the threaded wall of said orifice and having its other end supported in a journal bearing in the other of said lugs.

2,002,782
OPERA GLASS
Robert G. Lester, Chicago, Ill.
Application September 13, 1933, Serial No. 689,174
11 Claims. (Cl. 88—35)



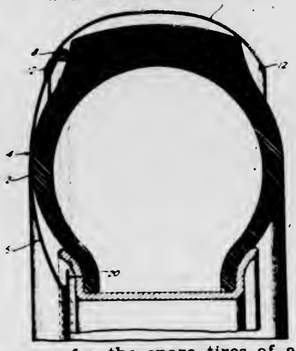
1. An opera glass of the character described, comprising in combination a pair of complemental casing-members arranged in superposed relation and hinged together at the front ends thereof so that they may be swung to and from one another, a plate with objective lenses mounted thereon connected pivotally to the rear end of one of the casing-members and adapted to be swung from a folded position between the two members into an operative position wherein it extends substantially transversely of the members and vice versa, a pin and slot connection between the plate and the other casing-member whereby said other casing-member is caused automatically to be swung away from said one casing-member when the plate is swung into its operative position and is also caused automatically to be swung towards said one casing-member when the plate is swung into its folded position, and eye lenses at the front ends of the casing-members arranged so that they are aligned and centered with the object lenses when the plate is in its operative position.

2,002,783
VALVE
Jon R. Long, Fort Worth, Tex.
Application July 31, 1933, Serial No. 682,963
2 Claims. (Cl. 251—127)



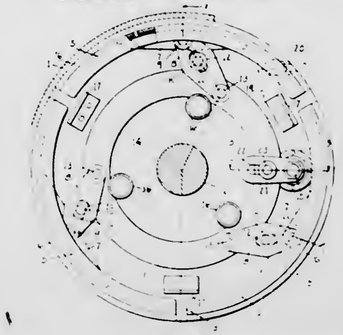
1. In a fluid pump valve including a cylindrical valve cage and a valve seat having a spherical seat for a drop, a drop for said valve including a cylindrical guide portion of less diameter than the internal diameter of the valve cage so as to be guided by the cage but permit free vertical and lateral movement, and a semi-spherical ball end for cooperation with the valve seat having a diameter less than that of said cylindrical guide portion so that the cylindrical guide portion will provide a shoulder completely surrounding and overhanging the ball end whereby foreign matter running down the guide will fall off instead of running down the ball and forming a coating thereon and whereby the drop will permit a stream-line flow of fluid through the cage substantially without turbulence.

2,002,784
COVER FOR SPARE TIRES OF AUTOMOBILES
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware
Application October 25, 1929, Serial No. 402,361
2 Claims. (Cl. 150—54)



1. A cover for the spare tires of automobiles comprising, in combination, a section of flexible sheet material for covering one side of a tire, and a reinforcing ring of strip material having its outer face inclined to the axis of the ring to which ring the margin of said section is secured to reinforce the same.

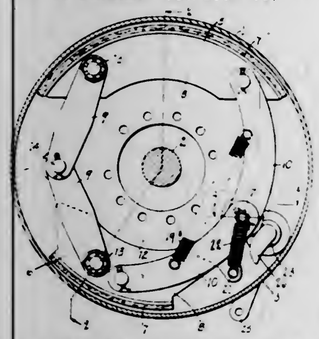
2,002,785
CLUTCH OR BRAKE, OR LIKE MECHANISM
Joseph Melling, Jackson, Mich.
Application September 2, 1931, Serial No. 560,730
8 Claims. (Cl. 188—78)



1. In a structure of the class described, the combination of a drum, a plate-like support member, a plurality of segmental shoes of channel cross section provided with centrally disposed webs, an annular actuating member disposed at the side of said support in concentric relation to said drum, said support being provided with rollers coacting with the inner edge of said actuating member for rotatably supporting the same, longitudinally slotted links pivotally connected to said webs on said shoes and to said actuating member, pins on said support engaging said slots in said links, said support being provided with stops disposed at the ends of said shoes in coacting rela-

tion to adjacent pairs of shoes to limit the inward movement thereof, and an actuating rockshaft mounted on said support and provided with a longitudinally slotted arm, said actuating member having a pin engaging said slot whereby rotating movement may be imparted to said actuating member.

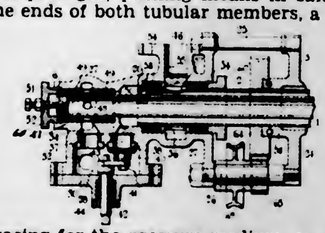
2,002,786
BRAKE
Joseph Melling, Jackson, Mich., assignor of one-half to Charles T. Cline, Jackson, Mich.
Application August 11, 1933, Serial No. 684,644
11 Claims. (Cl. 188—78)



1. In a brake the combination of a drum, a support member, a supporting and guiding plate mounted centrally on said support member and having a transverse pin at one side and a radially disposed slot at the other side, oppositely disposed forward and reverse shoes having centrally disposed webs of channel cross section receiving opposite edges of said plate whereby the plate constitutes a guide for the radial and circumferential movement of the shoes, pairs of links pivotally connecting said pin to said shoes, a journal pin disposed in the said slot for limited radial and circumferential movement relative to the drum, rollers disposed on said journal pin on opposite sides of said plate, pairs of toggle levers pivoted to said shoes and journal pin at the outer sides of said rollers, springs connecting said toggle levers and acting to retract the shoes, springs connecting the ends of said journal pin to said supporting plate and acting to position said journal pin in said slot to center the shoes in retracted position, and a cam shaft journaled in said support member and having a forked cam coacting with said rollers to expand said shoes, the forward direction of rotation of the drum being from the journal pin toward the forward shoe whereby the drum tends to expand the forward shoe and contract the reverse shoe when the cam is actuated to expand the shoes into engagement therewith on the forward rotation of the drum and on the reverse rotation tends to retract the forward shoe and expand the reverse shoe.

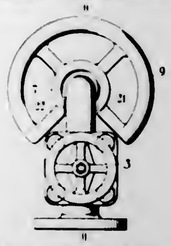
2,002,787
FLUID PRESSURE OPERATED BLOWER FOR CLEANING THE TUBES OF STEAM GENERATORS AND THE LIKE
Richard Ivor Moses, Stockton-on-Tees, England
Application December 27, 1932, Serial No. 648,922
In Great Britain December 30, 1931
2 Claims. (Cl. 122—392)

1. A fluid pressure operated blower for cleaning the tubes of steam generators and the like comprising a casing adapted to be secured to the wall of the steam generator, two tubular members one of which passes through and extends from said casing into the steam generator, the second tubular member also fitting into the casing and being external of the first and in fixed relation thereto to define an annular space therebetween, a plurality of nozzles communicating with the interior of the first tubular member, a plurality of apertures in the wall of the second tubular member, said nozzles passing through said apertures, the first tubular member being adapted to supply pressure medium only to said nozzles, diaphragms interposed between the outer tubular member and the inner tubular member to divide the said annular space into two longitudinal passages, packing means in said casing for the ends of both tubular members, a chest in



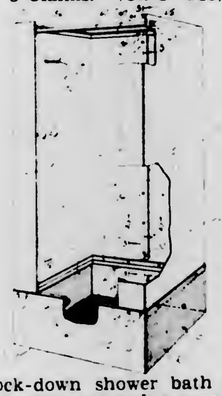
said casing for the pressure medium, an inlet for the pressure medium to said chest, two outlets for the pressure medium from said chest, one of which is in communication with the inner tubular member, and the other with one passage in the space between the tubular members, means common to both outlets for selectively admitting pressure medium either to the inner tubular member or to one passage formed by the division of the annular space, an outlet in said casing, said outlet communicating with the second passage in the space between said tubular members whereby the pressure medium may flow continuously from the inlet to the outlet through said passages when admitted thereto by said admitting means, and means for rotating said tubular members in unison.

2,002,788
FLUID PRESSURE OPERATED BLOWER FOR CLEANING THE TUBES OF STEAM GENERATORS AND THE LIKE
Richard Ivor Moses, Langley, England, assignor to Ivor Power Specialty Company, Limited, London, England, a company of Great Britain
Application March 28, 1933, Serial No. 663,196
In Great Britain April 6, 1932
4 Claims. (Cl. 122—391)



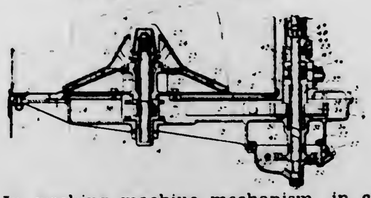
1. A fluid pressure operated blower for cleaning the tubes of steam generators and the like, comprising a cleaning fluid supply conduit, a blower tube surrounding the conduit and capable of longitudinal and rotary movement thereon, and a sealing device adapted to maintain a pressure fluid tight condition between the said supply conduit and blower tube, said sealing device comprising an annular member mounted on the said supply conduit and a head mounted on said blower tube and having an annular member cooperating with the first named annular member to form said sealing device when the annular members are brought into abutting relationship by manually controlled means and subsequently maintained in such relationship by reason of the normal operation of the blower.

2,002,789
SHOWER BATH CABINET
Edward F. Niedecken, Milwaukee, Wis.
Application February 13, 1933, Serial No. 656,513
3 Claims. (Cl. 4—146)



1. A knock-down shower bath cabinet comprising a receptor, a trough secured to the inner wall of the receptor, a plurality of stall forming sections having their lower ends received in and supported by said trough, a filling of packing material in said trough to form a leak-proof joint between the lower ends of said sections and said trough, fastening means for securing the lower ends of said sections in position in said trough, means for connecting adjacent portions of said sections and sealing the joint therebetween, and interengaging means between said trough and said stall forming sections for forcing said section outwardly toward the receptor.

2,002,790
WASHING MACHINE
William V. Orr, Cleveland Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 15, 1929, Serial No. 378,273
4 Claims. (Cl. 74—78)



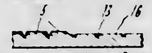
1. In washing machine mechanism, in combination, a gear-box, a hollow sleeve traversing the same and journaled in the walls thereof, an eccentric surrounding and fastened to said sleeve, a shaft journaled in said gear-box independently of said sleeve and passing loosely therethrough, a rack operatively connected to said eccentric, a driving element for said shaft, and means for coupling said shaft to said sleeve in rotating relation.

2,002,791
METHOD OF AND MEANS FOR FLOWING OIL WELLS
Herbert C. Otis, Shreveport, La.
Application July 10, 1933, Serial No. 679,755
25 Claims. (Cl. 103—232)



1. A well flowing apparatus comprising, a tubing having an influent inlet, means for introducing and reducing the pressure of a lifting fluid into the tubing for lifting the influent flowing up the tubing, means for controlling the admission of the influent, means for operating the controlling means by the lifting fluid, and means for operating the controlling means by the submergence pressure of the influent in opposition to the lifting fluid.

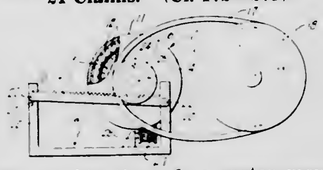
2,002,792
ORNAMENTED LEATHER AND METHOD OF MAKING THE SAME
Gilbert D. Sart, Salem, Mass., assignor of one-half to Agoos Leather Companies, Inc., Boston, Mass., a corporation of Massachusetts
Application April 26, 1935, Serial No. 18,274
13 Claims. (Cl. 41—24)



1. A method of treating leather, which comprises embossing a design on the grain side, buffing off the raised portions of the grain surface, and submerging the leather in a bath of mixed acid and direct dyes.

12. Ornamented dyed leather characterized by suede areas of one color on the grain side and grain areas of a different color contrasting with the suede areas to form a pattern.

2,002,793
ELECTRIC MOTOR CONSTRUCTION
Robert N. Park, Los Angeles, Calif., assignor to Jess M. Roberts, Wilmar, Calif.
Application April 4, 1934, Serial No. 718,962
21 Claims. (Cl. 172—279)



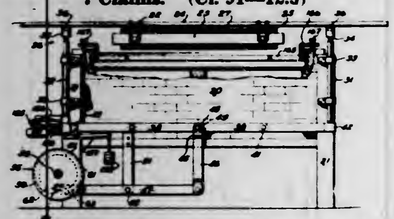
1. The combination of: a motor mounted to rotate bodily from a de-energized position to an energized position in response to the motor

torque; and means to delay such bodily rotation during a portion of the initial acceleration of the motor.

2,002,794
PROCESS FOR THE PRODUCTION OF KETONES
Wilhelm Querfurth, Constance, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application May 6, 1932, Serial No. 609,763. In Germany January 29, 1929
18 Claims. (Cl. 260—134)

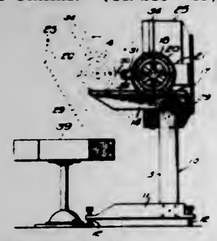
1. In the process for the production of ketones by the action of water-vapor on aliphatic alcohols with at least two carbon atoms joined together, at temperatures up to 500° C., in the presence of catalytically acting metal oxygen compounds; that improvement which consists in using catalysts containing essentially oxygen compounds of nickel in the presence of carriers containing iron, the nickel content not exceeding 20%.

2,002,795
IMMERSING MACHINE
Stanislaus Przyborowski, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application August 31, 1932, Serial No. 631,221
7 Claims. (Cl. 91—12.5)



1. A dipping machine comprising a tank containing a treating bath, a frame adapted to receive an article to be treated in position over said tank, movable supporting means for said frame, reciprocating drive means for said supporting means for alternately lowering and raising said supporting means and accompanying frame and article relative to said tank, starting means for said drive means, and means responsive to the weight of an article placed upon said frame for operating said starting means.

2,002,796
LAUNDRY SHAKE-OUT TUMBLER
Edward D. Purkett, Joplin, Mo., assignor to Purkett Laundry Company, Joplin, Mo.
Application March 22, 1933, Serial No. 662,159
5 Claims. (Cl. 259—29)



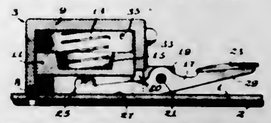
1. Apparatus of the character described comprising a supporting frame, a substantially cylindrical tumbler having its axis normally arranged substantially horizontally, said tumbler having an opening in one end, a shaft connected to the other end of said tumbler and journaled in said frame, a motor supported by said frame and having a pulley arranged with its axis parallel to the axis of said tumbler, and an endless belt passing around said pulley and around said tumbler, means for supporting said frame for rotation about a horizontal axis, and means for effecting bodily movement of said frame at right angles to said horizontal axis during rotation of the frame thereabout.

2,002,797
ALKALI METAL COMPOUND RECOVERY FROM WASTE ORGANIC MIXTURES
Gustave T. Reich, Philadelphia, Pa.
No Drawing. Application October 21, 1932, Serial No. 638,993
9 Claims. (Cl. 23—49)

3. Process for separating the valuable constituents of waste organic mixtures containing potassium compounds, such as fermentation residues, which comprises adding to an aqueous solution of such mixtures an ammonium salt of the group consisting of ammonium nitrate and ammonium phosphate, concentrating the solution until the bulk of the inorganic salts is precipitated, separating the potassium and ammonium salts thereby precipitated, and separating the potassium salts from the ammonium salts by selective dissolution in a volatile aliphatic water-soluble solvent in which the potassium salts are substantially more insoluble than the ammonium salts.

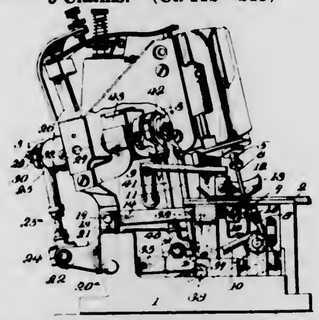
5. Process for separating the valuable constituents of waste organic mixtures containing potassium compounds, such as fermentation residues, which comprises adding to an aqueous solution of such mixtures an ammonium salt of the group consisting of ammonium nitrate and ammonium phosphate, precipitating the corresponding potassium salt therefrom by adding a volatile aliphatic water-soluble solvent in which the potassium salts are substantially more insoluble than the ammonium salts and separating the precipitated potassium salt.

2,002,798
CONTROL DEVICE
John E. Renholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 5, 1931, Serial No. 573,133
2 Claims. (Cl. 60—62.6)



1. A compressor unit for pneumatic foot control devices, comprising, in combination, a member having a cylindrical bore of large diameter relatively to the length thereof and open at one end and closed at the other, a piston in said bore, a lug formed on and extending outwardly from the peripheral wall of said member adjacent the plane of said open end, the lug and contiguous wall being slotted radially with respect to the axis of said cylinder, a radially mounted lever having contact with said piston at its inner end disposed in said slot and pivotally supported by the bifurcated parts of said lug, and means tending to hold the piston in contact with said lever.

2,002,799
SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1934, Serial No. 709,645
9 Claims. (Cl. 112—215)



1. In a sewing machine, a work support, a main actuating shaft located above the work support, driving means for said main actuating shaft connected thereto intermediate the ends thereof, a feed bar, means for imparting endwise movement to said feed bar including a crank pin adjustably mounted at the rear end of said main actuating shaft, means for raising and lowering said feed bar including an eccentric strap cooperating with an eccentric on said main actuating shaft, and devices connecting said eccentric strap to said feed bar adjacent the free end thereof.

2,002,800
PLASTIC MATERIALS
Walther Schrauth, Berlin-Dahlem, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application May 7, 1932, Serial No. 609,993. In Germany March 28, 1931
3 Claims. (Cl. 106—37)

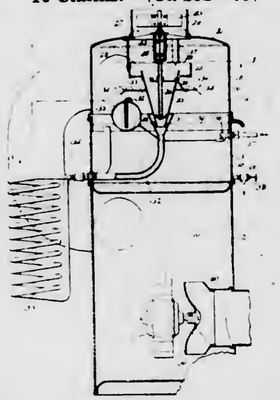
1. A composition of matter comprising the mixture with a plastic material of a plasticizing and softening agent comprising a mixed ester of an acid of the group consisting of aliphatic, cyclic and hydrocyclic diabasic acids with both an alcohol of the group consisting of methyl, ethyl, propyl and butyl alcohols and a saturated alcohol of the group obtained by hydrogenation of the natural fats and waxes and having 16 or more carbon atoms in the molecule.

2,002,801
FOOD COOKING DEVICE
Clarence Andrew Schroeder, Appleton, Wis.
Application November 27, 1934, Serial No. 755,049
1 Claim. (Cl. 53—4)



In a structure of the class described, a receptacle, a slidable cover for said receptacle, a reach rod connected with the receptacle, an actuating wire connected with said cover, a handle attached to the inner end of said rod and including a stationary section and a relatively movable companion section, the stationary section having a passage through which said wire extends, and said wire being anchored in said movable section to allow said movable section to be actuated for adjusting the cover.

2,002,802
APPARATUS FOR CONDITIONING AIR
Herbert E. Smith and Arthur W. Smith, Gloucester, Mass.
Application February 16, 1932, Serial No. 593,214
10 Claims. (Cl. 261—79)



1. In an apparatus for conditioning air, in combination, a humidifying chamber provided with an air inlet and with an air outlet, said air inlet being eccentrically arranged to impart a rotary motion to the air admitted into said chamber, a centrifugally operating pump within said chamber for admixing water with the rotating body of air, and a windmill in said air outlet for operating said centrifugal pump.

2,002,803
SPARK PLUG
Lewis J. Tetlow, Holyoke, Mass.
Application July 24, 1931, Serial No. 552,975
22 Claims. (Cl. 123—169)



1. A spark plug insulator comprising an inner core of ceramic material having high heat resistance, an outer shell of ceramic material having high resistance to breakage, and a mica tube between the shell and the core, the grain of the mica being parallel with the surface of the core.

2,002,804
CIRCUIT CONTROLLING DEVICE
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tierman Products, Inc., Belleville, N. J., a corporation of New Jersey
Original application August 29, 1927, Serial No. 216,080. Divided and this application August 11, 1933, Serial No. 684,631
4 Claims. (Cl. 200—30)

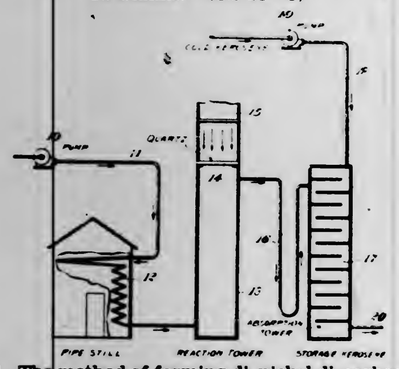
1. A circuit controlling device, comprising a normally open switch having a movable member, an oscillating member, and an engaging member

pivotally mounted on the oscillating member and shaped and normally positioned to engage the movable switch member and to turn while in engagement therewith to maintain a fixed point of engagement with the switch member and to move the switch member to close the switch on the



movement of the oscillating member in one direction and on engagement with the switch member on the movement of the oscillating member in the other direction to turn and pass over the switch member without moving it to close the switch.

2,002,805
POLYMERIZATION OF NICKEL CARBONYL
Hugh Graham Webster, London, Ontario, Canada, assignor of one-half to John W. G. Winnett, London, Ontario, Canada
Application March 21, 1933, Serial No. 661,902
14 Claims. (Cl. 23—5)



1. The method of forming di-nickel di-carbonyl which consists in vaporizing nickel carbonyl, separating impurities therefrom by distillation, subjecting the purified nickel carbonyl to the action of actinic light rays until a compound having a boiling point of 180° F. is formed and finally drawing off the newly formed material.

14. The process of imparting anti-knock characteristics to a motor fuel which comprises dissolving therein a small proportion of a product produced by subjecting nickel carbonyl to the action of actinic light, the said product having a higher boiling point and a higher specific gravity than nickel carbonyl.

2,002,806
METHOD OF PRODUCING ORNAMENTAL ENAMELED WARE
Andrew C. Weierich, Cleveland, Ohio, assignor to The Vitreous Enameling Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1932, Serial No. 626,581
16 Claims. (Cl. 41—24)

10. The process of providing ornamental enameled ware, which comprises applying a ground coating of enamel upon a sheet of metal, drying and burning the ground coating, applying a light colored base coating of enamel over the ground coating, drying the base coating, applying a stencil over the central portion of the sheet, thereby partially covering the base coat, projecting globules or lumps of enamel having a different color through the openings in the stencil to form an embossed design, removing the stencil and spraying a dark colored enamel in a substantial lateral direction against the sides of the design so as to form a dark colored coating on one side of the em-



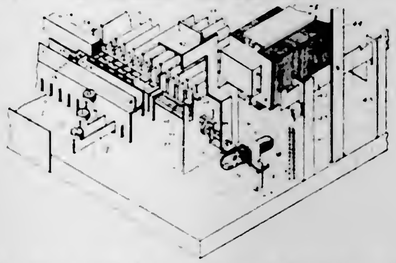
bossed design, a thin dark layer over the base coating between the projections forming the design to produce an illusionary effect, and a substantially smooth coating over the border which has the appearance of being applied in the form of small lumps, and burning the enamel to vitrify the same and produce enamelware having a projecting design.

2,002,807
CARD SELECTING APPARATUS
John W. Whitson, San Francisco, Calif.
Application April 16, 1928, Serial No. 270,475
44 Claims. (Cl. 129—16.1)

1. Card record apparatus comprising a card compartment, a plurality of cards in the compartment of lesser width than the compartment, each of which cards is adapted to be moved by magnetic attraction, electro-magnets on opposite sides of the compartment; means for energizing the magnets in succession; and means for holding a certain card or cards against movement away from the magnet first energized.

20. Card apparatus comprising a card compartment; a plurality of magnetically responsive cards mounted in the compartment, selectively operable means to lock certain cards against movement; and a magnet arranged adjacent an edge of the plurality of cards to attract one or more unlocked cards toward it.

2,002,808
CARD FILING AND SEGREGATING APPARATUS
John W. Whitson, San Francisco, Calif.
Application September 4, 1929, Serial No. 390,373
22 Claims. (Cl. 129—16.1)

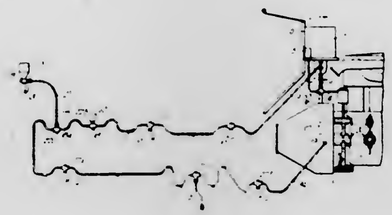


4. Card record apparatus including record cards adapted for movement by magnetic attrac-

tion; a frame to hold said cards in stacked relation; means in the frame to select certain cards; magnetic means on the frame to attract the selected cards from the stack of cards; and a guide on the frame to hold the cards in operative relation to the selecting means and magnetic means.

6. Card record apparatus comprising a card compartment; a plurality of cards for the compartment; a plurality of lugs extended from an edge of each of the cards; a plurality of cutters on the apparatus adapted to simultaneously register with the several lugs on the cards; and means to actuate one or more selected cutters to sever one or more selected lugs from a card.

2,002,809
LUBRICATING SYSTEM AND METHOD
Peter Williamson, Jr., Everett, Mass., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 19, 1929, Serial No. 386,896
66 Claims. (Cl. 184—7)



1. In a lubricating system, a plurality of bearings, a conduit having spaced openings communicating with said bearings, a restriction in said conduit beyond the communication with the last bearing, means for measuring a body of oil and compressing a charge of air and means for opening the inlet to said conduit to said body of oil and charge of air whereby said oil is driven through said conduit to supply the bearings thru said openings and past said restriction by said air charge.

2,002,810
FLASHING
Leo Friedberg, New Brunswick, N. J.
Application July 31, 1934, Serial No. 737,819
21 Claims. (Cl. 72—127)



1. A flashing composed of at least two sheet metal sections, and an expansion joint connecting said sections with substantial side portions thereof in face to face overlapping relationship, said joint comprising a transverse strip upstanding from each of said flashing sections, and flange means at the upper edge of one of said strips interlocking with the upper edge portion of the other of said strips.

2,002,811
CELLULOSE DERIVATIVES CONTAINING AN INORGANIC SUBSTITUENT
Max Hagedorn, Dessau in Anhalt, Otto Reichert, Dessau-Ziebigk in Anhalt, and Eugen Guhring, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Original application April 25, 1927, Serial No. 186,566. Divided and this application October 23, 1929, Serial No. 401,975. In Germany May 1, 1926
6 Claims. (Cl. 260—101)

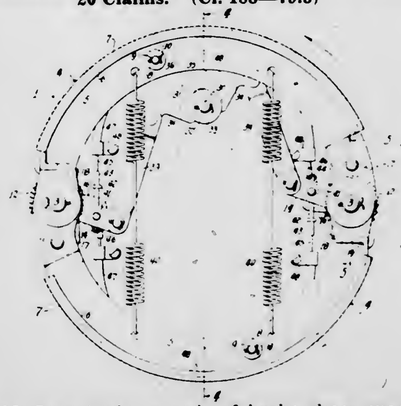
1. The process which comprises treating cellulose ethyl ether with phosphorous oxychloride in the presence of an organic diluent.

2,002,812
METHOD FOR PRODUCING CUTTER BLADES FOR SLICING MACHINES
John Hansen, Bettendorf, Iowa
Application July 1, 1933, Serial No. 678,631
9 Claims. (Cl. 51—278)



9. The method of forming a resilient cutter blade, which comprises bending the blade to produce a convex surface, holding said blade in its bent shape, abrading one edge of said convex surface in a plane at an angle to the normal plane of said blade completely through said edge to remove metal of gradually increased amounts from spaced points on said edge to a point intermediate said spaced points and form a beveled and curved scallop between said spaced points, and repeating the operation at intervals throughout the length of said blade.

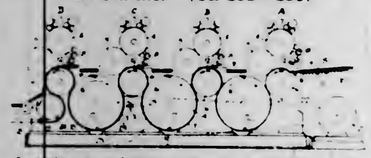
2,002,813
BRAKE FOR AUTOMOTIVE VEHICLES
George W. Harper and Albert R. Catto, Cleveland, Ohio, assignors to The Columbia Axle Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1932, Serial No. 641,354
20 Claims. (Cl. 188—79.5)



13. In a brake, a pair of brake shoes spaced apart at their ends to provide gaps therebetween, means adjacent each gap for actuating said shoes into operative engagement with an associated

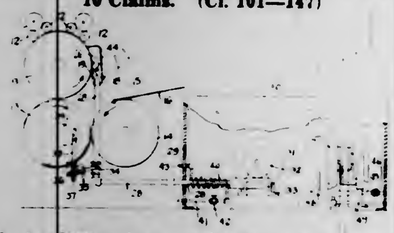
brake drum, and means also adjacent each gap for effecting a take-up of wear in the faces of said shoes, the last mentioned means adjacent one gap being actuated by the first mentioned means adjacent the other gap.

2,002,814
PRINTING-PRESS
Charles W. Harrold, Cleveland, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application January 14, 1932, Serial No. 586,521
16 Claims. (Cl. 101—136)



1. A rotary printing-press comprising a series of printing units, the impression-cylinder of each preceding unit having a smaller diameter than its contacting cylinder and the impression-cylinder in the successive unit.

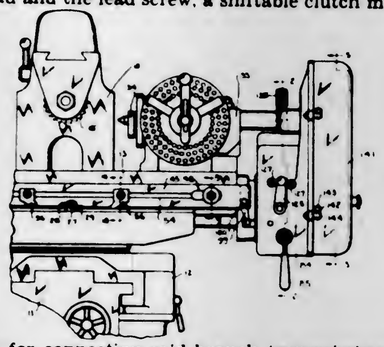
2,002,815
DAMPENING MECHANISM FOR PRINTING-PRESSES
Charles W. Harrold, Cleveland, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application November 19, 1932, Serial No. 643,404
10 Claims. (Cl. 101—147)



1. A dampening mechanism for printing-presses comprising a printing plate, means for impinging humidified air upon the plate comprising an elongated nozzle extending transversely in proximity to the plate, and a single mechanism transversely adjustable within the nozzle for varying the size of nozzle opening transversely of the plate.

2,002,816
MACHINE TOOL DRIVE
Herman R. Isler, Norwood, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application April 5, 1933, Serial No. 664,579
12 Claims. (Cl. 90—20)

1. In a milling machine having a support, a tool spindle journaled in the support, a work table mounted on the support for movement transversely of the spindle and means for normally effecting translation of the table including a lead screw, a constantly driven power shaft and a reverser mechanism for coupling the lead screw to the power shaft, said reverser mechanism including a control lever having a neutral position and a power transmitting position on either side thereof, the combination of means for effecting a relative spiral movement between the tool and a work piece comprising a spiral dividing head mounted on the table for supporting the work piece for rotary movement, a splined shaft carried by the table and constantly driven by said power shaft, a gear box detachably mounted on the end of the table containing branch transmissions extending respectively to the spiral head and the lead screw, a shiftable clutch mem-



ber for connecting said branch transmissions to the splined shaft for actuation thereby, means detachably mounted on the table for locking said control lever in a neutral position including a slidable bar, means connecting the bar to said clutch member and trip dogs mounted on the bar for engagement with said fixed control lever to effect shifting of the bar and connected clutch to terminate the spiral movement.

2,002,817
ORNAMENTAL KNOB AND THE FORMATION THEREOF
David E. Johnson, Rockford, Ill.
Application November 11, 1932, Serial No. 642,201
3 Claims. (Cl. 29—161)

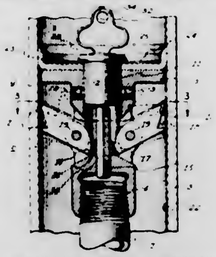


1. For forming a knob having an ornamental head and a shank at opposite ends with an annular ornamental flange projecting radially from the base of said head, the process which comprises forging a piece of wire to form said head at one end of the wire, a circular shoulder at the base of and facing away from said head and an end portion of uniform cross-section, projecting the end portion into a die recess snugly receiving the same, and forcing the wire into the die without lateral support for the base of the head whereby to lengthen said shank and shear back the metal at the base of said head so that the natural flow of the metal forms an annular flange at the juncture of said shank and the base of said head.

2,002,818
TANK THEFT PREVENTION DEVICE
Clarence M. Jones, Tulsa, Okla., assignor to Fred V. Maddin, Muskogee, Okla.
Application February 13, 1934, Serial No. 711,052
7 Claims. (Cl. 70—14)

1. The combination with a fill pipe leading to a storage tank, of means for preventing access to or from the tank through the fill pipe at a point spaced remote in relation to its upper end, said means comprising a removable abutment in the fill pipe, means for limiting the downward

movement of the abutment in the fill pipe and key controlled dogs carried by said abutment and

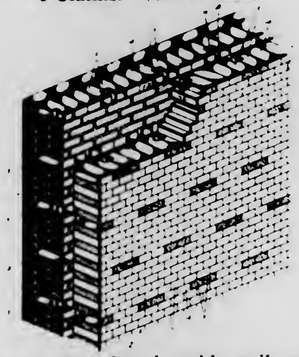


cooperating with the inner periphery of the fill pipe for positively holding said abutment in adjusted position.

2,002,819
GREASE AND ITS MANUFACTURE
Gus Kaufman, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 15, 1931, Serial No. 557,384
8 Claims. (Cl. 87—9)

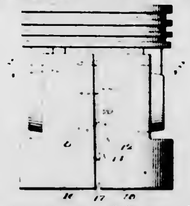
3. The method of preparing a soap-mineral oil grease which comprises heating a soap-forming material with mineral oil to a temperature at which an increase in viscosity of at least 20% may occur, effecting a predetermined increase in the viscosity of the mixture of at least 20% by prolonging the heating at such temperature, and then effecting saponification and cooling to produce a grease.

2,002,820
FIRE WALL
Michael Liptak, St. Paul, Minn.
Application January 10, 1931, Serial No. 507,845
9 Claims. (Cl. 72—101)



1. Permanent and replaceable walls each having bricks arranged therein to provide sockets having shoulders which extend longitudinally of the wall, and connectors having abutments engaging corresponding shoulders of the wall in a manner to prevent transverse separation, the sockets, shoulders and abutments being so related that the abutments can be released from the shoulders only after a rotative movement of the connectors to permit free withdrawal of the connectors from the permanent wall, the sockets being faced upwardly so that the connectors can be dropped into connecting position as the wall is built, and said connectors being held in operative position by the action of gravity.

2,002,821
DEVICE FOR EXPANDING PISTONS
Gordon Blain Luse, Big Spring, Tex.
Application August 23, 1934, Serial No. 741,168
3 Claims. (Cl. 309—12)



1. The combination with a piston having a longitudinal slot in the wall thereof, of a tapered wedge member disposed in the slot, said wedge member having one side abutting one edge of the slot, a laterally extending flange integral with said wedge and secured to the inner face of the piston wall on one side of the slot, a second wedge member tapered in the opposite direction and slidable on said first named wedge member for expanding the piston to a predetermined amount, said second named wedge member having an integral flange, and means for securing said last named flange to the inner face of the piston wall on the opposite side of the slot.

2,002,822
ARTIFICIAL PRODUCTS OF REGENERATED CELLULOSE
Herbert Mahn, Harry Meyer, and Hugo Pfannenstiel, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 13, 1930, Serial No. 420,599½. In Germany January 24, 1929
9 Claims. (Cl. 18—54)

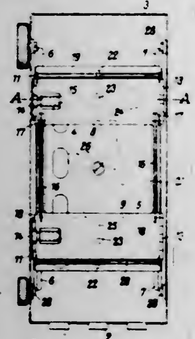
1. The process which comprises incorporating into a viscose solution at least 0.1 per cent of an organic acid amide of the group consisting of methylacetanilide, ethylacetanilide, symmetrical diethyldiphenyl urea, asymmetrical diphenyl urea, ethyl phenyl ethyl tolyl urea, N-diethylbenzamide, methylbenzamide and N-isobutylbenzamide, emulsifying the acid amide in the viscose solution and acting with an acid precipitating bath upon the said viscose solution.

2,002,823
MOTOR VEHICLE CHASSIS FRAME
Alvin L. Marvel, Seaford, Del., and David E. Semon, St. Pauls, N. C.
Application April 3, 1934, Serial No. 718,820
9 Claims. (Cl. 280—106)



1. A motor vehicle chassis frame comprising a front rail section, a rear rail section, the ends of the front and rear rail sections joined together by members forming continuations of the rail sections and readily removable therefrom, the rail sections and members being of substantial U-shape in cross section with the side walls of the U-return bent upon themselves, and means at the ends of the removable members for securing said members to the rails.

2,002,824
ROLL FILM CAMERA
Bruno Mayer, Nuremberg, Germany
Application January 5, 1935, Serial No. 559
In Germany November 19, 1932
5 Claims. (Cl. 95—32)



1. A roll film camera, comprising a camera cover, two masking screens fitted to the camera cover and slidable in opposite directions to vary the area of film exposed in taking a photograph, a double crank mechanism, likewise arranged on the camera cover, for displacing the masking screens, and means for actuating the double crank mechanism from outside the camera.

2,002,825
TWO-PIECE FOUR-IN-HAND NECKTIE
Mark H. McWhirter, McCamey, Tex., assignor of one-half to Edwin G. Stafford, McCamey, Tex.
Application July 10, 1934, Serial No. 734,536
1 Claim. (Cl. 2—155)



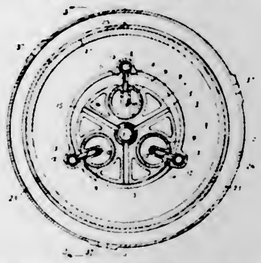
As a new article of manufacture, a two-piece four-in-hand necktie, comprising a primary section provided with a tab on its inner end, an auxiliary section provided with a tab on its inner end, said auxiliary section provided at the inner end of said tab with a puckered built-in pocket portion, a flat elastic strip in said pocket portion, a series of parallel lines of stitching through said puckered pocket portion and flat elastic strip and extending longitudinally of the auxiliary section, said auxiliary section also provided with longitudinally extending reinforcing lines of stitching beyond the puckered pocket portion, and detachable fastening means on the contiguous faces of said tabs at the inner ends of said sections, substantially as shown and described.

2,002,826
FILTER
Matthew F. Moran, Kansas City, Mo.
Application October 30, 1933, Serial No. 695,853
3 Claims. (Cl. 210—153)



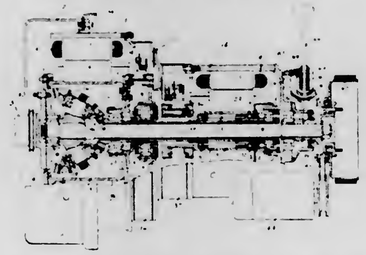
1. In a filter of the character described having a retort for receiving the liquid to be filtered and a header to remove the filtered liquid from the retort, a plurality of hollow leaf filter members removably mounted on the said header, each having an outlet pipe projecting from the leaf, an annular inclined shoulder formed around the projected portion of said outlet pipe, a tube integral with the header in telescoping engagement with the said outlet pipe, and an inclined face formed on the end edge of said tube bearing against the inclined annular shoulder and means associated with said pipe and tube to permit relative longitudinal movement and to preclude relative rotation thereof.

2,002,827
ROTARY COMPRESSOR
Jacob J. Morch, Port Credit, Ontario, Canada
Application February 19, 1934, Serial No. 711,929
2 Claims. (Cl. 230—140)



1. A rotary compressor comprising a rotary cylindrical casing; a cylindrical piston disk rotatably mounted in and eccentric to the casing; a plurality of vanes hingedly connected with the internal periphery of the cylindrical casing; a plurality of spools journaled in the piston disk on axes parallel to that of the disk, each having an arc of its periphery disclosed at the periphery of the disk and each disk having a pocket slidably receiving one of the vanes; a stationary hollow shaft on which the piston disk rotates, the shaft having a radial port therein and the piston disk radial inlet passages adapted successively to communicate with said port, the said vanes each having an exit passage extending through one face thereof, and through its hinge in a direction parallel to its axis; radial conduits in the casing communicating at their outer ends with said passages; a stationary conduit for compressed air; and a stationary part concentric with the rotary casing and having a chamber therein with which the stationary conduit communicates, said chamber having a port therein with which the inner ends of the radial conduits successively communicate.

2,002,828
GEAR DAMPER FOR ENGINE DRIVE TRANSMISSION SYSTEMS
Alfons H. Neuland, Irvington, N. J.
Application December 30, 1932, Serial No. 649,637
20 Claims. (Cl. 74—282)



2. In combination, an internal combustion engine having a member rotating at a varying angular velocity at low speed, a dynamo rotor member having substantial inertia, a load member, differential gearing connecting all of said members, yielding means for permitting an angular movement of one of said members and additional means for limiting said angular movement and for positively transmitting power between said engine and said load member.

2,002,829
MEDICINAL PREPARATION
Arnold E. Osterberg, Rochester, Minn., assignor to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Original application May 28, 1929, Serial No. 366,765. Divided and this application April 21, 1933, Serial No. 667,194
3 Claims. (Cl. 167—58)

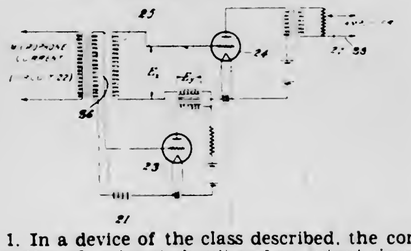
2. A medicinal preparation for the treatment of infantile eczema, containing the homogenous ether-soluble extract of the redistilled fraction of crude coal-tar which is steam-volatile at 100° C. at atmospheric pressure incorporated with an ointment vehicle containing pulverized zinc oxide and/or starch.

2,002,830
CONVEYER
Chase Keith Pevear, New York, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application September 11, 1930, Serial No. 481,149
9 Claims. (Cl. 198—127)



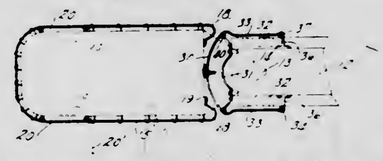
7. A curve for a live roller conveyer comprising, in combination, a pair of carrying rollers mounted with their axes at an angle to each other, a belt for driving said rollers, and a cinching roller mounted between said carrying rollers to hold the belt in driving contact with the under side thereof, said cinching roller having that portion of its surface which is in contact with the belt positioned with its inner end higher than its outer end.

2,002,831
METHOD AND APPARATUS FOR VOLUME CONTROL
George Ramsey, Brooklyn, N. Y.
Application August 1, 1929, Serial No. 382,767
17 Claims. (Cl. 179—171)



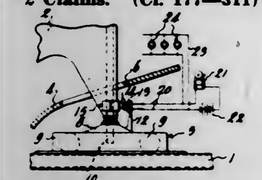
1. In a device of the class described, the combination of an input circuit and an output circuit, a main circuit connecting said input circuit and said output circuit, and an auxiliary circuit operatively connected with said input circuit and said main circuit, and means in said auxiliary circuit to impose an inverted wave of the same frequency of low amplitude upon a portion of said main circuit to control the amplitude of waves in said main circuit.

2,002,832
GUARD SYSTEM FOR TRACTOR-TRAILER COMBINATIONS
Harold H. Robinson, Opalocka, Fla., assignor to Curtiss Aerocar Company, Inc., Opalocka, Fla., a corporation of Florida
Application May 22, 1933, Serial No. 672,133
1 Claim. (Cl. 293—55)



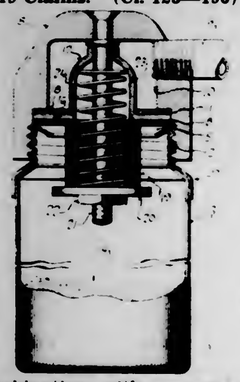
A guard rail system for a semi-trailer and its associated tow car, comprising a guard rail extending around the rear and sides of the semi-trailer and bowed inwardly at the forward end thereof, a guard rail extending around the rear end of the tow car and formed between the bowed portions of the first guard rail upon an arc having a center of curvature approximately at the pivot center of the tow car and semi-trailer and serving to protect the rear end of the tow car in all angular positions relative to the semi-trailer, said two main guard rails being interrupted adjacent the wheels of the semi-trailer and the rear wheels of the tow car, guard rail sections bridging the interrupted portions of the main guard rails, the main guard rails at the points of interruption and the ends of the guard rail sections being formed with cooperating eyes, and pins releasably holding said eyes in alignment.

2,002,833
ALARM SYSTEM FOR TRACTOR-TRAILER COMBINATIONS
Harold H. Robinson, Opalocka, Fla., assignor to Curtiss Aerocar Company, Inc., Opalocka, Fla., a corporation of Florida
Application May 22, 1933, Serial No. 672,134.
2 Claims. (Cl. 177—311)



1. In a tractor-trailer combination wherein the two vehicles are pivotally connected together for relative angular movement in a horizontal plane, a normally open alarm circuit including a pair of spaced switch contact members secured to one of the vehicles on substantially the center line thereof, two horizontally spaced switch closing members, secured to the other vehicle and positioned on opposite sides of the center line of the last named vehicle, to alternatively engage and connect said switch contact members to close the alarm circuit when the vehicles assume a predetermined relative angular position to either side of a common center line.

2,002,834
APPARATUS FOR INJECTING GRAPHITE INTO ENGINES
Carl R. Rolen, Waukesha, Wis.
Application November 23, 1933, Serial No. 699,309
19 Claims. (Cl. 123—196)



7. In combination with a passage through which dry finely powdered material is conveyed pneumatically, a felt barrier to control the rate of flow of the material through said passage, the density of the barrier determining the rate of flow of the material therethrough, and adjustable means to compress said felt barrier to adjust its density.

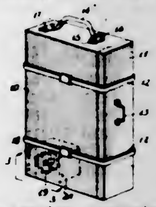
2,002,835
SIPHON DEVICE
William H. Rose, Jersey City, N. J.
Application May 11, 1934, Serial No. 725,047
4 Claims. (Cl. 137—20)

1. In a siphon device, in combination, an upwardly extended resilient tubular member capable of attachment to the neck of a container, a second resilient tubular member carried by the upper portion of said first tubular member and angularly movable with respect thereto and a compressible tube within said tubular members, the normal position of said tubular members be-



ing such as to effectively bend and close said compressible tube the resiliency of said tubular members returning them to their normal relationship after they have been moved from said normal relationship.

2,002,836
BAGGAGE CARRIER
Pasquale Rossi, New York, N. Y., assignor of one-half to Anastasio Petrocelli, Hoboken, N. J.
Application December 4, 1933, Serial No. 700,763
8 Claims. (Cl. 190—38)



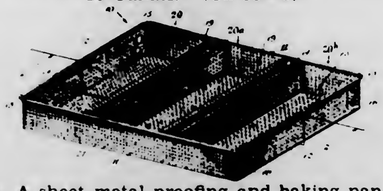
1. A baggage carrier, comprising a receptacle for baggage and having an opening in the side wall at one corner, a member movably mounted on one end thereof upon said corner forming a closure for said opening and adapted to assume a position flat against the end of the receptacle, castors mounted upon one side of said member, and means holding said member in a closed position with the castors disposed within the baggage carrier and in an open position with the castors extended below the end of the baggage carrier.

2,002,837
ELECTRIC DISCHARGE TUBE
John Walter Ryde, London, England, assignor to The General Electric Company Limited, London, England
Application May 29, 1934, Serial No. 728,101
In Great Britain April 4, 1933
3 Claims. (Cl. 176—122)



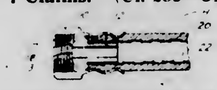
1. An electric discharge tube comprising an envelope, a pair of main discharge electrodes arranged within the envelope, leads passing through the envelope to the electrodes, a vaporizable substance within the envelope and a hollow metal body fitting closely the interior of the end wall of the envelope adjacent to one of the electrodes and out of contact with the leads so that it will not act as an electrode, said body having a part extending into the region between the electrodes so as to intercept heat from the discharge, the heat being conveyed through the metal body and the portion closely fitting the end wall to heat the latter.

2,002,838
BREAD BAKING PAN
Per. August Soderholm, Bridgeport, Conn.
Application May 8, 1934, Serial No. 724,493
10 Claims. (Cl. 53—6)



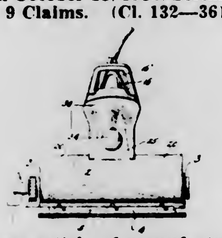
1. A sheet-metal proofing and baking pan for hearth bread comprising a bottom and a pair of oppositely disposed sides substantially perpendicular to said bottom to flatten the ends of a loaf proofed and baked in said pan and to engage and limit the length of said loaf, the bottom and said sides being foraminated to permit the heat from and over the hearth to bake the crust of the loaf hard all over.

2,002,839
HOSE COUPLING
Henry D. Stecher, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application June 24, 1933, Serial No. 677,421
7 Claims. (Cl. 285—84)



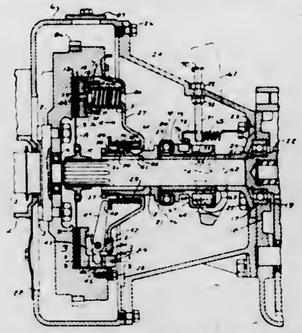
4. A hose coupling comprising a body portion having a sleeve, a chamber within the sleeve adapted to receive a hose, and an end wall at the base of said chamber, said end wall having an annular recess therein, said recess being adapted to receive material of the end of the hose and said recess being adjacent the sleeve whereby the walls of the recess can be deformed to pinch the material of the hose by the application of radial pressure to the exterior of the sleeve.

2,002,840
HAIR WAVING
Hermann Stein, South Ozone Park, Carl G. Gross, Mount Vernon, N. Y., and Warner S. Luci, Linden, N. J., assignors, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application October 15, 1932, Serial No. 637,902
9 Claims. (Cl. 132—36)



1. As a new article of manufacture for use in hair waving, a pair of inter-connected particylindrical members, spaced from each other and joined together along both their longitudinal edges to form a spacer.

2,002,841
CLUTCH
John W. Tatter, Detroit, Mich., assignor, by mesne assignments, of one-half to Ella I. Ingersoll, Dearborn, Mich.
Application April 9, 1931, Serial No. 528,861
30 Claims. (Cl. 192—111)

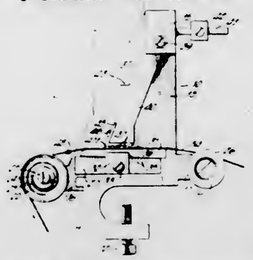


1. In a friction clutch, the combination of a driving member, a driven member, a clutch main shaft, a thrust member engaging said driven member, means for forcing said thrust member into engagement with said driven member, and automatically operated means for taking up clearance due to wear of said driven member, said automatically operated means comprising a plurality of ball members surrounding said clutch main shaft.

2,002,842
THERAPEUTIC AGENT AND PROCESS FOR MAKING COLLOIDAL CALCIUM MALATE
John Torigian, Queens Village, N. Y., assignor to The Drug Products Co. Inc., Long Island City, N. Y., a corporation of New York
No Drawing. Application December 6, 1933, Serial No. 701,154
8 Claims. (Cl. 167—68)

1. As a new therapeutic agent for injection purposes calcium malate finely dispersed in aqueous solution.

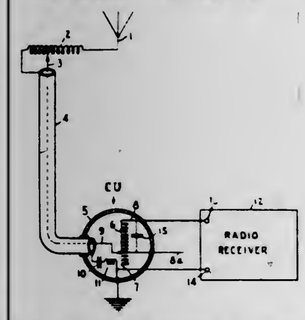
2,002,843
THREAD OR YARN CLEANER
Arthur E. Truesdell, Pittsfield, Mass.
Application November 17, 1932, Serial No. 643,080
6 Claims. (Cl. 28—64)



1. In a device of the character described, a frame, a detector unit swingingly mounted thereon, a table mounted on said frame, a guide plate over which a filament of fibrous material is movable mounted on said table, the engaging surfaces of said table and said plate being oppositely inclined with respect to the line of travel of said filament, whereby the longitudinal move-

ment of said plate varies the distance thereof from said unit, and means for adjustably holding said plate to said table.

2,002,844
RADIO RECEIVING SYSTEM
Julius Gourgues Aceves and Ernest Valentine Amy, New York, N. Y., assignors to Amy, Aceves & King, Inc., New York, N. Y., a corporation of New York
Application October 31, 1932, Serial No. 640,374
10 Claims. (Cl. 250—20)



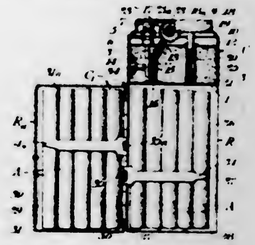
4. In a system for protecting a radio receiver from interference, in combination, an antenna, a lead-in from said antenna to said receiver, a conducting sheath enclosing said lead-in, a ground connection to said sheath, a step-down transformer interposed between said antenna and said lead-in, and a step-up transformer interposed between said lead-in and said receiver, the turn ratios of said transformers being the same.

2,002,845
CIGAR LIGHTER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application June 3, 1927, Serial No. 196,255
31 Claims. (Cl. 67—7.1)



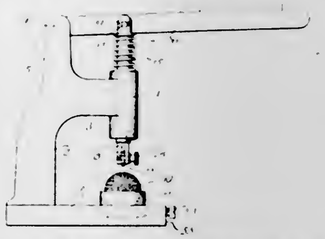
21. A lighter construction comprising a fuel receptacle, a wick and pyrophoric sparking wheel lighting means adjacent thereto on the receptacle, a snuffer cap member pivotally mounted on the receptacle, a ratchet wheel mounted coaxially with the sparking wheel and fixed to rotate therewith, said snuffer cap member comprising in part a guard covering and substantially concealing the sparking and ratchet wheels, a spring pressed pawl mounted within and substantially covered by said snuffer cap member adjacent its wheel guarding portion, and for rotating the wheel when the snuffer cap is elevated, a finger piece member, means on said receptacle on the side of said wheel remote from said wick mounting said finger piece for downward movement thereon, a coiled spring within said finger piece tending to force the same upwardly, and means whereby upon pressing said finger piece downwardly, said snuffer is elevated from said wick and said wheel is rotated by manual pressure to ignite the wick.

2,002,846
PYROPHORIC LIGHTING MECHANISM
Louis V. Aronson, Newark, N. J.
Application March 1, 1930, Serial No. 432,363
2 Claims. (Cl. 67—7.1)



1. Pyrophoric lighting mechanism comprising a lever, a member on which said lever is pivoted, and means for oscillating said lever, said means comprising a movable rack member, and a pinion on said first-named member, said rack member coacting with said pinion, the teeth of said pinion interlocking with said lever.

2,002,847
GOLF BALL PRINTING MACHINE
Raphael Atti, Union City, N. J.
Application March 11, 1932, Serial No. 598,171
4 Claims. (Cl. 101—381)



1. A type or die holder consisting of a main block and a clamping bar having a plurality of type receiving slots formed therein and extending radial to a common center, type mounted in said slots, a gasket, and set screws for securing said gasket between said clamping bar and type on one side and said block on the other side.

2,002,848
PROCESS OF PRODUCING FINISHES IMITATIVE OF STONE
Harry Cohen, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application July 11, 1934, Serial No. 734,675
4 Claims. (Cl. 91—68)

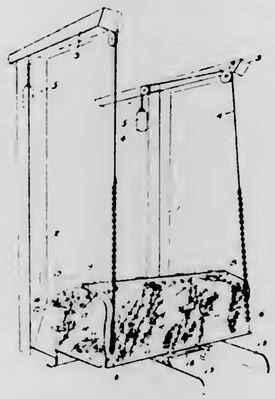
1. The process of producing imitative effects in the finishing of articles of manufacture which consists in applying to a base to be treated with an imitative finish a small quantity of a masking liquid, subjecting said liquid as applied superficially to the base to pressure to cause the same to be moved to different portions of the base to

be masked, and whilst the said different portions are subject to the moisture of the liquid apply-



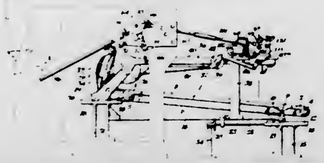
ing to the base a coat or coats of coloring matter which does not adhere to the masking liquid.

2,002,849
MASKING APPARATUS FOR FINISHING ARTICLES OF MANUFACTURE
Harry Cohen, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application July 23, 1934, Serial No. 736,621
10 Claims. (Cl. 101—114)



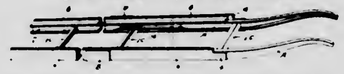
1. In masking apparatus of the class described, in combination, a masking enclosure comprising a rearmost section, end sections movably mounted upon said rearmost section, means normally holding the end sections in an open outward position, a frontward section movable in relation to the rearmost section, and members carried by the frontward section engageable with the end sections in moving the frontward section to closed position, whereby to cause the end sections to close to operative positions about an article of manufacture at the same time that the frontward section is caused to close about said article, the several sections aforesaid being provided with openings through which a finishing substance may pass in stenciling operations.

2,002,850
PAPER FEEDING MACHINE
Frank L. Cross, Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass., a corporation of Massachusetts
Application June 3, 1933, Serial No. 674,177
Renewed November 22, 1934
6 Claims. (Cl. 271—38)



1. The combination with a feed table and means for feeding a fanned-out bank of sheets upon said feed table, of sheet-actuated tripping devices adjacent to the end of said feed table toward which the bank of sheets is fed, sheet-separating combing devices acting above said feed table adjacent to said tripping devices to impart a final separating movement to sheets in the same direction as the bank feed, means under the control of said tripping devices for arresting the action of said combing devices, tail-drags engaging the fanned-out bank of sheets approximately sheet lengths from said tripping devices, feed-off devices arranged to engage and raise the tail end of the top sheet adjacent to said tail-drags, and delivery mechanism arranged to take the raised tail end of the top sheet and move the same rearwardly from the feed table away from said combing and tripping devices.

2,002,851
EXTENSION AXLE UNIT FOR TRUCKS
Raymond P. Divney, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application April 2, 1934, Serial No. 718,720
5 Claims. (Cl. 280—106)

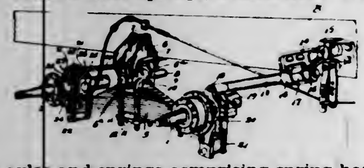


1. In automobile truck constructions of the type described, in combination, a main truck chassis embodying spaced side frame members, an extension unit for said main truck chassis likewise embodying spaced side frame members in substantial alignment with the corresponding members of the main truck chassis and projecting a considerable distance alongside of the latter side frame members, fastening means between the side frame members of the main truck chassis and the extension unit, reinforcing parts intermediate the said side frame members bracing the corresponding side frame members of the chassis and extension unit against vertical stresses, and against relative longitudinal movement and a double axle and wheel unit wholly mounted upon the extension unit aforesaid.

2,002,852
THIRD AXLE UNIT FOR TRUCKS
Raymond P. Divney, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application April 21, 1934, Serial No. 721,825
9 Claims. (Cl. 280—124)

1. In a third axle unit construction for automotive trucks, in combination, a truck frame,

springs at opposite sides of the said frame, transverse trunnion means between the springs and the frame affording pivotal mountings for the springs enabling the same to rock upwardly and downwardly at their ends while disposed longitudinally of the frame, axles at the front and rear ends of said springs, connections between



said axles and springs comprising spring hangers affording universal connections between the axle and springs, adjustable radius rods connected with the spring hangers at the front ends of the springs and attached to the frame and resilient connections intermediate the frame and the spring hangers at the rear ends of the springs.

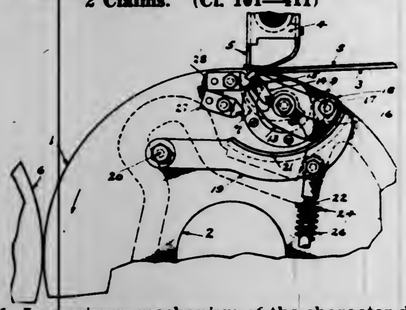
2,002,853

GRIPPER MECHANISM

William K. Eckhard, Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee

Application October 2, 1931, Serial No. 566,485

2 Claims. (Cl. 101—411)



1. In a gripper mechanism of the character described, the combination of a frame, a rotary gripper carrier, a gripper shaft eccentrically and rotatably mounted on the carrier, a tumbler block secured to the said gripper shaft for turning same to open and close the grippers, a pin fixed to said frame and coactable with said tumbler block to turn same when the carrier rotates, a roller secured to the tumbler block, a lever arm pivotally mounted on the carrier, a spring rod connected to said lever arm and carrier for pressing the lever arm into engagement with the roller, said lever arm having a single arcuate operating face on which the roller rides, and means including a plurality of stops fastened in spaced relation on said carrier and directly engaging said tumbler block, for confining the movement of the tumbler block within predetermined limits.

2,002,854

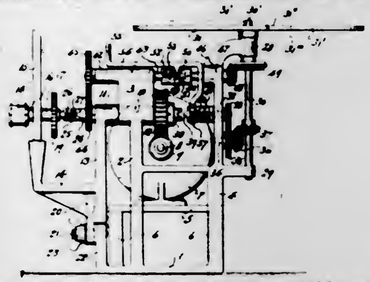
SELECTIVE TRANSMISSION FOR MOTION PICTURE AND SOUND PROJECTORS

Edwin J. Hadley, Brooklyn, N. Y.

Application January 22, 1932, Serial No. 588,059

2 Claims. (Cl. 88—16.2)

1. In an associated motion picture projector and phonograph mechanism, a motor actuated drive shaft, a bracket member angularly adjustable about the axis of said drive shaft, a carrier plate for projector mechanism connected with said bracket member, a projector shaft journaled in said carrier plate in alignment with said drive shaft and adapted to be driven by the latter, a phonograph turn-table, a vertical turn-table shaft carrying said turn-table, said turn-table shaft having a pair of bevel gears thereon, a transmission means connected to one of said



bevel gears for driving said turn-table at one speed, a second transmission means connected to the other of said bevel gears for driving said turn-table at another speed, each transmission means having a clutch means for engaging the same in driven relation to said drive shaft, and a clutch shift mechanism common to each clutch means and operative to release one clutch means when engaging the other.

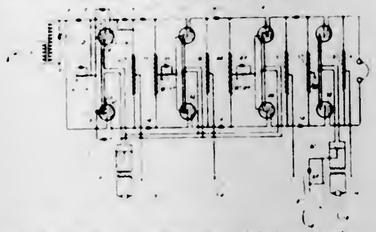
2,002,855

ELECTRIC WAVE AMPLIFYING SYSTEM

Edward E. Hiler, Bloomfield, N. J.

Application August 28, 1929, Serial No. 388,923

4 Claims. (Cl. 250—27)



1. In an electric-wave amplifying system, the combination of detector electron discharge devices, each of said devices having a grid element together with a cathode and anode, means for controlling the grids of said devices whereby one of said devices detects by grid rectification and another by plate rectification, external circuits extending between the anodes and cathodes of said devices, and an inductive reactance element having portions thereof respectively included in each of said external circuits.

2,002,856

SEAL

Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin

Application July 9, 1934, Serial No. 734,325

3 Claims. (Cl. 292—318)



1. A seal comprising a housing having opposite walls and an insert-receiving opening, and a resilient loop-shaped insert-locking member in said housing, at least one of said walls having a part projecting into the space within said loop-shaped member to form an insert-confining space between said part and the opposite wall of the housing.

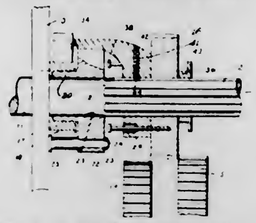
2,002,857

ANTIBACK ROLL MECHANISM FOR CARS

Charles M. Jameson, Pasadena, Calif.

Application February 1, 1932, Serial No. 590,169

5 Claims. (Cl. 192—4)



1. A device of the kind described consisting of a transmission shaft, a ratchet mounted thereon against rotation, a plurality of dogs held by gravity in engagement with the ratchet, a carrier rotating with the shaft and upon which the dogs are mounted, a low and reverse sliding gear mounted on said shaft, means allowing the gear to rotate with the shaft as it slides thereupon, and means intercoupling together the slidable gear and carrier, whereby the gear may slide while the carrier remains stationary, and means controlled by the intercoupling means and designed to engage the dogs to hold them out of engagement with the ratchet.

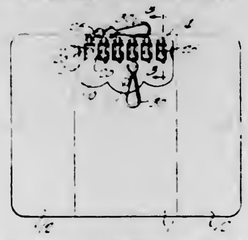
2,002,858

KEY SUPPORT

Robert C. Legat, New Britain, Conn., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn., a corporation of Connecticut

Application August 19, 1932, Serial No. 629,470

6 Claims. (Cl. 150—40)



1. A key supporting assembly for key cases or the like, comprising a supporting plate having a generally planar body portion and having an outwardly bowed portion above said body portion and extending between its opposite sides, openings in said bowed portion between a plurality of bowed bar portions, key hangers having upper ends with swiveled connections to the upper part of said plate including loops above said bowed portion, the bar portions being arranged so that they normally hold the upper ends of the hangers in mutually spaced relation when the lower parts of the hangers lie in juxtaposition to the body portion of the plate, and fastening tabs to secure the plate to a case or the like, said tabs being disposed between certain of said bar portions and lying in the plane of said body portion.

2,002,859

PRODUCTION OF FERRIC COMPOUNDS

Stanley Isaac Levy, Surrey, and George Wynter Gray, London, England

No Drawing. Application December 10, 1930, Serial No. 501,464. In Great Britain January 31, 1930

8 Claims. (Cl. 23—126)

3. A process of preparing simultaneously in the dry way ferric salts of two different acids, one being a ferric halide, which comprises subjecting a ferrous salt of one acid to the action of a gaseous medium capable of reacting with the ferrous salt to form a ferric halide and a ferric salt containing another acid radical, the temperature of said reaction being sufficiently high to cause volatilization of the ferric halide.

2,002,860

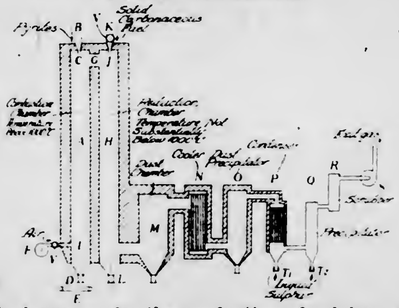
TREATMENT OF IRON PYRITES FOR RECOVERY OF SULPHUR AND FORMATION OF IRON OXIDE

Stanley Isaac Levy, Kingston Hill, England

Application June 27, 1933, Serial No. 677,867

In Great Britain June 30, 1932

7 Claims. (Cl. 23—224)



1. A process for the production of sulphur and iron oxide by introducing finely divided pyrites into a combustion space, causing air to enter at the bottom of the combustion space and to pass through it in quantity insufficient for complete oxidation of the mineral, conserving the heat of combustion so that the gases passing from this space are at a temperature in the region of 1000° C. or higher, introducing finely divided solid carbonaceous fuel into the gases in a reduction space in such quantity that substantially the whole of the carbon content is converted into carbon dioxide, and maintaining in the reduction space a temperature not substantially below 1000° C.

2,002,861

FABRIC GUIDING AND SEAMING MECHANISM

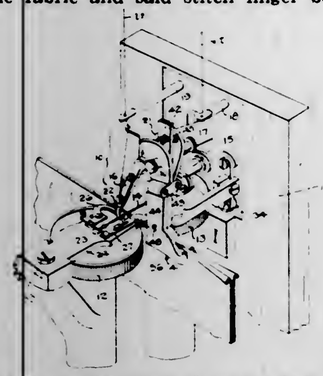
Carl Frederick Mack, Philadelphia, Pa.

Application December 9, 1930, Serial No. 500,996

12 Claims. (Cl. 112—20)

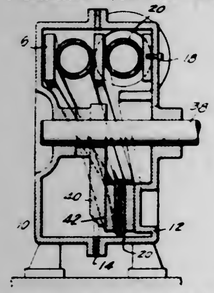
1. In a sewing machine, in combination, means for feeding a vertically arranged fabric through the machine, a horizontal needle arranged for movement back and forth across the vertical plane of said fabric, a stitch finger operatively associated with said needle, a support for said stitch finger, and a guide for said needle, said stitch finger support being provided with a laterally extending lug and said needle guide member being provided with a spring pressed pressure member, said lug and said spring pressed member lying in substantially the same horizontal

plane and being adapted to engage opposite sides of the fabric and said stitch finger being ex-



tended across the point of contact between said lug and spring-pressed member.

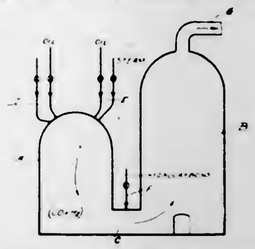
2,002,862
ROTARY PUMP
Archibald A. Moran, Mendham, N. J.
Application August 14, 1934, Serial No. 739,751
7 Claims. (Cl. 103—149)



1. A pump comprising a coiled spring, a hollow coil of compressible material interposed between the convolutions of said coiled spring and a rotor coacting with the spring for successively compressing different portions of said coil.

2,002,863
METHOD OF PRODUCING FUEL GAS
Theodore Nagel, Brooklyn, N. Y., assignor to Carbureted Gas, Inc., a corporation of Delaware
Application January 26, 1933, Serial No. 653,619
2 Claims. (Cl. 48—215)

1. The process which comprises continuously introducing oil and oxygen into a hot zone for reaction to carbon monoxide and hydrogen while so limiting the oxygen supplied that substantially all of the carbon of the oil is converted to substantially only carbon monoxide, and continuously controlling the temperature of the carbon monoxide hydrogen gas mixture by continuously introducing steam and additional oil into the said carbon monoxide hydrogen gas mixture for reaction to carbon monoxide and hydrogen in a second zone, while so limiting the amount of steam and hence the oxygen supplied thereby that substantially all of the carbon of the oil introduced therewith is converted to substantially only carbon monoxide, and while so limiting the amount of steam and additional oil that when contacted with the hot carbon monoxide, hydrogen gas mixture produced by the first men-



tioned oil and oxygen reaction substantially only carbon monoxide and hydrogen are produced.

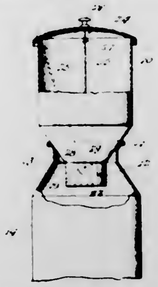
2,002,864
TRACTION DEVICE FOR ATHLETIC SHOES OR THE LIKE
Ralph Nichols, Elyria, Ohio
Application July 31, 1933, Serial No. 683,074
1 Claim. (Cl. 36—59)



A traction device for shoes comprising a T-shaped plate of sheet metal having a shank and a cross head at one end thereof projecting from opposite sides of the shank, the other end portion of the shank being of increased width and bent to form a depending transversely extending blade sharpened along its free lower edge and an attaching base having a fastener receiving opening formed therein, the portions of the cross head projecting from opposite sides of the shank being disposed at an angle to diverge outwardly therefrom and being then increased in width and curved in an opposite direction and each bent to form a depending transversely extending blade sharpened along its lower edge and an attaching base formed with a fastener receiving opening, each blade corresponding in width to its attaching base and the blades of the cross head converging toward the blade of the shank.

2,002,865
MILK STRAINER
Samuel N. North, Rising Sun, and Thomas J. Gurley, Patriot, Ind.; said North assignor to Albert L. Lowe, Patriot, Ind.
Application May 27, 1932, Serial No. 613,958
Renewed April 14, 1934
4 Claims. (Cl. 210—158)

2. A milk strainer comprising a container for the milk to be strained, straining elements in the container, a cover for the container tiltable to partly open position, a rod carried by the cover,
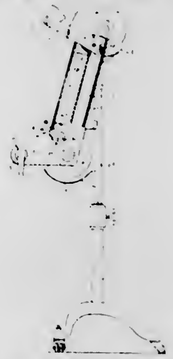


and a baffle carried by the rod above the straining elements.

2,002,866
TENSIONING DEVICE FOR SHUTTLES
Joseph B. Plevyak, Carbondale, Pa.
Application December 2, 1931, Serial No. 578,598
Renewed January 5, 1935
10 Claims. (Cl. 139—214)



1. In a device of the character described, a tension arm, a torsion spring for controlling said arm; a rotatable tensioning member on which said spring is mounted, said member having means for engaging and holding the lower coil of the spring to rotate the same therewith, the shuttle having a seat therein for the reception of said tensioning member; a ring-screw adjustable toward and from the rotatable tensioning member, and serving the double purpose of carrying the ring of the tension arm and of pressing the rotatable tensioning member to hold the same in operative position in its seat; and means for locking the rotatable member in adjusted positions.

2,002,867
VIEWING CABINET
Frank T. Powers, Douglaston, N. Y.
Application September 27, 1933, Serial No. 691,144
9 Claims. (Cl. 40—95)



1. In a machine for viewing a strip of images, the combination of a holder for a roll of said strip, a holder for a receiving core for said strip, said holders having opposed rotatable hubs adapted to engage the ends of said roll and of said receiving core, a plate intermediate of said holders, and means including one of the rotatable hubs of each of said holders for selectively rotating either said receiving core or said roll to feed the strips in either direction over the surface of said plate.

2,002,868
SCISSORS SHARPENER
Austin E. Rainey, Titusville, and William J. Rainey, Grove City, Pa.
Application August 14, 1933, Serial No. 685,098
1 Claim. (Cl. 76—82.2)



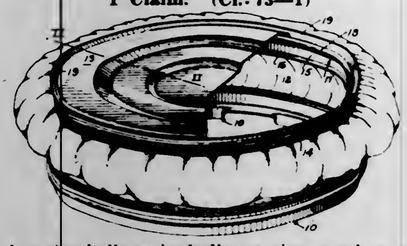
A scissors sharpener comprising a unitary holder consisting of a strip of sheet metal bent intermediate its length to form a flat end portion constituting a handle and a guide extending downwardly from the front end of the handle, the strip being then bent to form a lip extending rearwardly from the lower edge of the guide and then bent downwardly and forwardly to form a flange and a base member projecting forwardly from the flange beyond the guide and having a pocket along its rear side formed by the lip and flange, a tongue extending upwardly from the front side edge of the base member and overhanging the same, and a file resting upon the upper face of the base member with its rear edge portion engaged in the pocket and its front edge portion overlapped by the tongue.

2,002,869
SOLE REENFORCING PLATE
John T. Riddell, Evanston, Ill.
Application March 23, 1932, Serial No. 600,762
3 Claims. (Cl. 36—2.5)



1. The combination with a shoe of a sole reenforcing means comprising a pair of plates arranged one above the other on the inner side of the shoe sole, one of said plates originating at a point back of and adjacent the position of the ball of the wearer's foot and extending to the toe portion of said sole, the other of said plates being shorter than the first plate and arranged to include the back portion of said first plate adjacent the ball of the wearer's foot, and a transverse crease in each of said plates adjacent the ball of the wearer's foot to substantially confine the bending of said sole to that location.

2,002,870
METER BELLOWS
Edward Rockafellow, San Francisco, Calif., assignor to American Meter Company, a corporation of Delaware
Application December 21, 1932, Serial No. 648,238
1 Claim. (Cl. 73—1)



A meter bellows including a rim member, said rim member having a grooved portion adapted to receive a binder edge portion of a flexible body, said rim having a radially outwardly flared portion and a plurality of annular bead portions connecting said grooved portion and said outwardly flared portion, one of said beads being turned radially outwardly and opening inwardly and another of said beads being turned inwardly and opening outwardly, the latter of said beads having its axially outer wall connected to the said outwardly flared portion of the rim member.

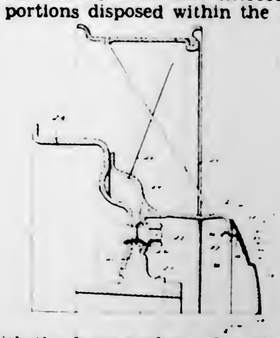
2,002,871
VIBRATING MECHANISM
John Sharp, Cleveland, Ohio
Application January 15, 1934, Serial No. 706,664
11 Claims. (Cl. 175—338)



9. In a vibrating mechanism, the combination of a support having a wall formed with an opening and an annular side, an electro-magnet comprising a core having at its inner end lateral portions engaging said wall at opposite sides of the opening therein, the central portion of said core extending through said opening, and a coil on one side of said wall, an insulating block provided with terminals, means for securing the lateral portions of said core and block in fixed relation to the opposite side of said wall, a resilient member engaging the free edge of said annular side and supporting centrally of the latter an armature, and a member carried by said armature and vibrated thereby.

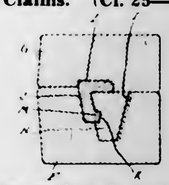
2,002,872
HUB CAP
Charles W. Sinclair, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application February 23, 1932, Serial No. 594,684
4 Claims. (Cl. 301—108)

1. A hub cap provided with a body portion having spaced slots therethrough and having depressions in the front side thereof, and clips having portions disposed within the depressions



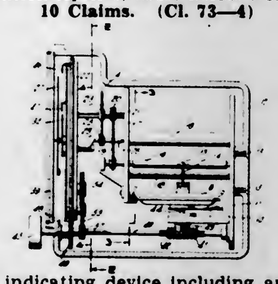
flush with the front surfaces thereof and having spring fingers extending rearwardly from the cap body through the slots aforesaid.

2,002,873
APPARATUS FOR MOLDING WATER CLOSET RIMS
James M. Teahen, Detroit, Mich.
Application February 12, 1934, Serial No. 710,923
4 Claims. (Cl. 25—129)



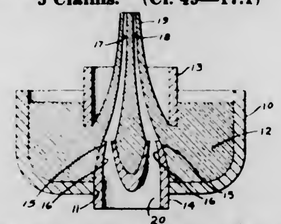
1. A mold for casting channeled flushing rims for water closet bowls comprising a plurality of segmental mold sections for molding the undercut portions on opposite sides of said rim, a pair of matched mold sections for molding the external surface of said rim, one of said sections being recessed to receive said segmental mold sections with draft permitting of separation therefrom, and the other of said matched mold sections forming a support for said segmental sections permitting of the lateral withdrawal of the same when said first matched section is removed.

2,002,874
ALTIMETER
Adolf Urfer, Richmond Hill, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 6, 1932, Serial No. 603,650
10 Claims. (Cl. 73—4)



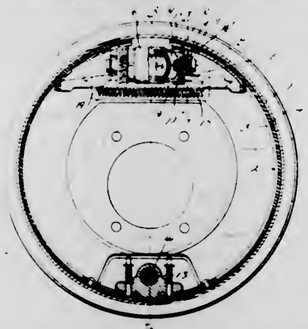
8. An indicating device including an actuator responsive to changes in conditions or operations, relatively stationary circular scale means having indicia thereon, pointers cooperating with said scale means and drivably connected to said actuator for operation thereby, reference marks associated with said indicia and simultaneously movable in an opposite direction with respect to said pointers along said indicia during setting for indicating the preset condition, and means for simultaneously moving the reference marks and pointers in opposite directions and comprising a movable support carrying the actuator, a worm gear associated with said support, a worm drivably connected to said gear, a knob for operating said worm from the front of the instrument, and means for moving said movable support for bodily movement of said actuator along its operating axis upon operation of said worm and worm gear.

2,002,875
METHOD OF AND APPARATUS FOR DRAWING GLASS
William J. Woods, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 24, 1933, Serial No. 672,704
5 Claims. (Cl. 49—17.1)



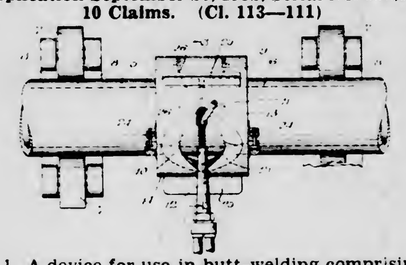
1. The method of making multiple bore tubing which includes drawing glass upwardly from around a hollow body submerged in a pool of molten glass and admitting bore forming air at different levels into the glass through passages in the body.

2,002,876
BRAKING MECHANISM
Carl F. Baisch and John William White, Detroit, Mich.; said Baisch assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 14, 1932, Serial No. 642,678
9 Claims. (Cl. 188—79.5)



1. The combination of a brake drum, a backing plate, friction means within and engageable with said drum, means comprising reciprocable members for moving said friction means relative to said drum, means movable with said reciprocable members and adjustable relative thereto to control the positions thereof relative to each other, and adjustable means mounted on said backing plate and engaging said first mentioned adjustable means for adjusting the same.

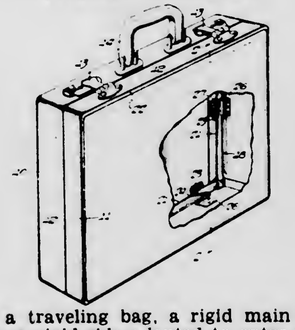
2,002,877
WELDING EQUIPMENT AND METHOD OF WELDING
William N. Barrington, Birmingham, Ala., assignor to The American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia
Application September 20, 1932, Serial No. 634,084
10 Claims. (Cl. 113—111)



1. A device for use in butt-welding comprising, a channeled collar-like member to surround the ends and adjacent portions of parts to be welded to provide an arcuate chamber for said parts and member, said member having an opening for application of a flame to the said ends and portions, said channel and opening communicating, whereby the flame and combustion gases will circulate thru the chamber.

10. The method of butt-welding which comprises, alining the parts to be welded in end to end relation circumferentially, and enclosing substantial portions of the ends of said parts within a chamber to exclude air currents from contact with said enclosed ends and portions, and while so enclosed projecting a flame through a peripheral opening in the chamber against said ends and into the chamber circumferentially around said ends, rotating the parts within said chamber while projecting the flame therein, and progressively feeding welding material to said ends through said opening in proximity to the flame as the parts rotate.

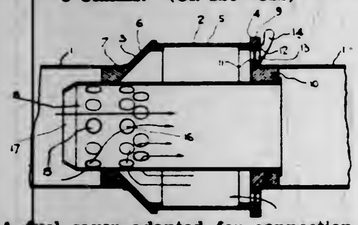
2,002,878
TRAVELING BAG
Aaron S. Belber, Woodbury, N. J.
Application April 7, 1934, Serial No. 719,572
10 Claims. (Cl. 190—44)



1. In a traveling bag, a rigid main or body member, a rigid side adapted to enter the rigid body member, collapsible bellows folds connected

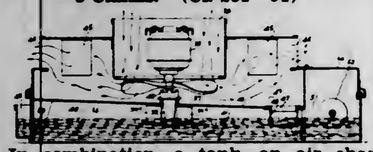
with the rigid body member and the side, and spring means connected with the rigid body and the side for normally urging the latter toward the former.

2,002,879
FUEL SAVER
James Blakeman, Vancouver, British Columbia, Canada, assignor of fifty per cent to William Kennedy, Vancouver, British Columbia, Canada
Application August 6, 1934, Serial No. 738,731
3 Claims. (Cl. 126—312)



1. A fuel saver adapted for connection to a smoke pipe and a flue comprising a shell enclosing a sleeve, means for passing gases from the smoke pipe to the sleeve through its outer periphery, and means for passing auxiliary air through the shell into the sleeve.

2,002,880
HUMIDIFIER
Edwin T. Brace, Springfield, Ohio, assignor to The Buckeye Incubator Manufacturing Company, Springfield, Ohio, a corporation of Ohio
Application April 15, 1932, Serial No. 605,476
5 Claims. (Cl. 261—91)



3. In combination, a tank, an air chamber having an air inlet passage at the top and a laterally-disposed air outlet passage, a fan arranged to force a stream of air downwardly into said air chamber, means to lift water and discharge it laterally into said chamber across the path of said air, said air chamber having a sloping bottom constituting a drain member inclined across said air chamber for receiving and conveying the solid particles deposited by the incoming air after said particles have been wet by the water spray, and a container disposed at the lowest point of said drain member, said container being adapted to maintain said particles in a submerged condition yet to debar them from returning to the tank, whereby to prevent said particles from drying and re-entering the air stream and also from clogging the water supply to said lifting means.

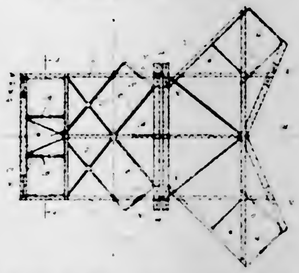
2,002,881
TRACK
Erich Bretschneider, Dresden, Germany
Application July 22, 1931, Serial No. 552,501
In Germany July 26, 1930
2 Claims. (Cl. 246—251)

1. A track for toy railroads, in which a control for signals, gates and the like actuated by a downwardly moving track section is operated for this section by the weight of a passing train, comprising a yielding, rebounding and elastic means for holding the continuous trackway with ties when not loaded for a sufficient distance beginning before and ending behind the part to be controlled in a yielding rebounding manner in a higher position than the normal position of the remaining track and ties to be pressed by the



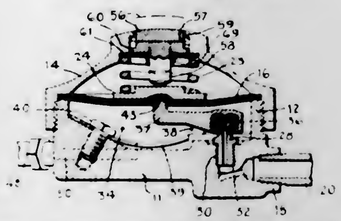
weight of the passing train into normal position, said means being easily insertable under the track and withdrawable therefrom and not firmly connected therewith, and transmission means connected with the part to be controlled and actuated by the depression of the track section.

2,002,882
FLOATING FISH TRAP
Hans L. Christie, Los Angeles, Calif.
Application June 6, 1934, Serial No. 729,330
9 Claims. (Cl. 43—102)



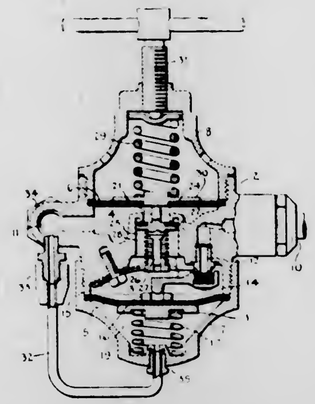
1. A floating fish trap comprising buoyant members adapted to float in a body of water, a metal net supporting frame maintained above the water level thereby having cages slidably coacting with said buoyant members and adjustable means connecting the metal frames with said buoyant members.

2,002,883
SEAT LEAK INDICATOR FOR PRESSURE REGULATORS
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1932, Serial No. 635,341
16 Claims. (Cl. 116—114)



1. The combination of a pressure regulator having a diaphragm and a pressure chamber on one side of the diaphragm, a valve element for controlling the supply of gas to the chamber, mechanism, including said diaphragm, responsive to the pressure in the chamber for operating the valve element, a visible signal on the other side of the diaphragm, and inactive during the ordinary operation of the pressure regulator, and means for moving the visible signal into display position when gas pressure in the chamber causes abnormal outward movement of the diaphragm.

2,002,884
GAS REGULATOR
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1933, Serial No. 679,049
2 Claims. (Cl. 50—26)

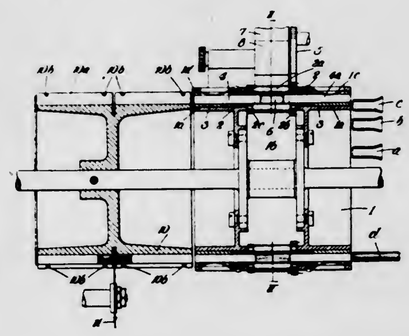


1. A gas pressure regulator apparatus comprising means for reducing gas pressure from a declining source pressure starting above 1000 lbs. per square inch to adjustable delivery pressures of the order of several atmospheres at least, the said means including two regulator valve stages of the diaphragm type in series, an adjusting spring acting on the second-stage diaphragm, with means for adjusting the pressure of said spring, a back-cap forming with the first-stage diaphragm a tight gas pressure chamber at the outer side of said diaphragm, a control spring in said gas pressure chamber, and a control duct connecting said chamber with the reduced pressure side of the lower stage of the apparatus.

2,002,885
TEXTILE FIBER SPRAYING OILS
James G. Detwiler, New York, N. Y., and Theodore C. Heisig, Bayonne, and John E. Rosnell, Bound Brook, N. J., and Frank W. Hall, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 9, 1932, Serial No. 632,390
6 Claims. (Cl. 87—9)

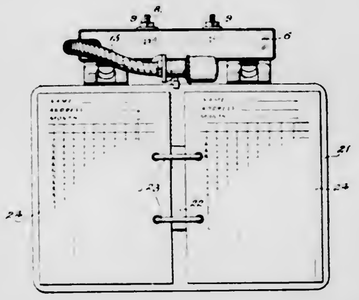
1. A cotton fiber spraying oil consisting essentially of a light lubricating oil having dissolved therein 5% or less of a water-soluble soap and 1% or less of lecithin, the amount of lecithin being less than the amount of water-soluble soap.

2,002,886
APPARATUS FOR THE PRODUCTION OF CIGARETTES
William Frederick Maitland Edwards, London, and Rowland Frank May, Middlesex, England, assignors to Filter Tips Limited, London, England, a British company
Application October 31, 1934, Serial No. 750,904
In Great Britain July 14, 1933
7 Claims. (Cl. 131—39)



1. An apparatus for the production of cigarettes provided with a stub portion at the mouthpiece end, comprising an intermittently movable carrier, means on the carrier for supporting a cigarette with an aligned stub portion, means for wrapping a uniting band about the aligned cigarette and stub portion, means for supplying the uniting band to the wrapping means, and means operable between the intermittent movements of the carrier for actuating the wrapping means.

2,002,887
ROUTE FILE
Tom W. Flory, Ottawa, Kans.
Application July 6, 1934, Serial No. 734,038
6 Claims. (Cl. 45—58)



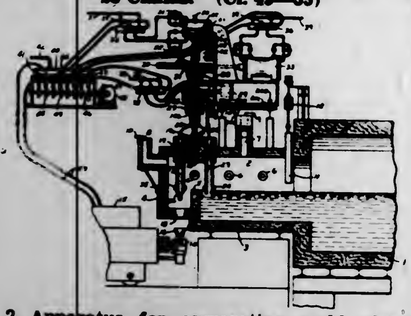
1. A dash-board file holder comprising a dash-board attached support, a lateral bracket arm carried thereby and extending rearwardly therefrom, a file holder panel adapted to be seated on said bracket, and cooperatively engageable connector means carried respectively by the forward edge of the panel and said support on either side of said bracket arm.

2,002,888
ORNAMENTAL TOE REENFORCEMENT FOR STOCKINGS
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application January 25, 1933, Serial No. 653,358
3 Claims. (Cl. 66—182)



1. A full fashioned sheer-knit stocking, comprising a foot portion including an instep and a toe pocket having in its top area a plurality of coursewise opposed substantially triangular flexible areas each convergingly tapered walewise of the stocking toward the pocket tip and an area between said areas at the top of the pocket constituting a relatively inflexible separate-thread substantially triangular shield having a coursewise side adjacent to the pocket tip and its other sides along the respective adjacent sides of the flexible areas, said areas together with the sides and bottom of the pocket in the coursewise zone thereof constituting a band-like element about the toe portion of the stocking foot of gradually increasing flexibility around the band from said tip toward the instep.

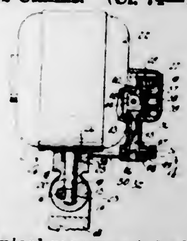
2,002,889
SUCTION GLASS GATHERING DEVICE
Paul L. Geer, Bellevue, Harold A. Meere, Wilkinsburg, and William A. Merton, Pittsburgh, Pa.
Application April 7, 1932, Serial No. 603,736
28 Claims. (Cl. 49—55)



2. Apparatus for segregating mold charges from a mass of molten glass comprising a forehearth having an extension chamber beyond the area of the glass, a discharge orifice at the bottom of said extension chamber, a plurality of feeder tubes within the forehearth one of which is disposed in alinement with the discharge orifice and the other over the surface of the glass in the forehearth chamber, means for drawing glass charges into the latter tube and for expelling the charges from the tube over the discharge orifice, and means for alternately contacting said tubes with the molten glass.

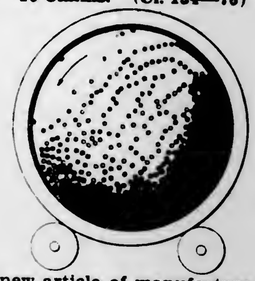
11. The method of feeding glass which comprises initially lifting and subsequently severing a confined mass of glass from a molten glass source and thereafter subdividing the segregated mass into a mold charge of predetermined weight and shape.

2,002,890
MECHANICAL MOVEMENT
Louis Greenberg, Chicago, Ill.
Application July 22, 1932, Serial No. 623,992
12 Claims. (Cl. 74—70)



1. A mechanical movement, including an oscillatory motor having a driven shaft, a supporting element underneath said motor relatively to which it may oscillate, and a train of power-transmitting elements having therein reversing means comprising a worm having a horizontal axis carried by said driven shaft, a worm wheel meshing with said worm, a second worm, a vertical shaft on which said worm wheel and said second worm are mounted, a second worm wheel disposed below said first-mentioned worm in mesh with said second worm and having a horizontal axis, and a cylindrical member connected to and adapted to be oscillated by said last-mentioned wheel by an eccentric lost motion connection for oscillation extending at an angle to said driven shaft and gear means connecting said member to said supporting element.

2,002,891
BRONZE, BRONZE POWDERS, AND METHOD OF MAKING THE SAME
Everett J. Hall, Elizabeth, N. J.; Harriet L. Hall, executrix of said Everett J. Hall, deceased, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J., a corporation of New Jersey
Application June 4, 1931, Serial No. 542,189
10 Claims. (Cl. 134—76)

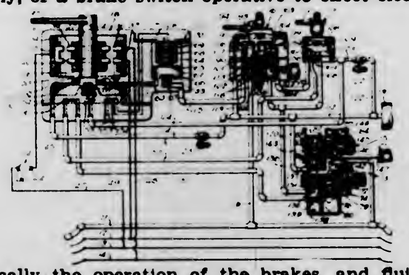


9. As a new article of manufacture, a mixture of about 58% of flaked aluminum particles, about 1% stearic acid, about 1% aluminum stearate, and about 40% "Varnolene", the flaked aluminum having a leafing film, and the mixture being in a substantially homogeneous and persistent paste form.

2,002,892
ELECTROPNEUMATIC BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 12, 1934, Serial No. 734,770
6 Claims. (Cl. 303—15)

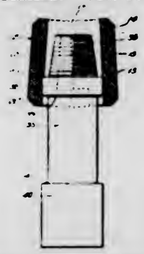
1. In a brake system, the combination with a brake pipe, a source of fluid under pressure, and

a brake valve device for controlling a communication through which fluid under pressure from said source is supplied to said brake pipe and for varying the pressure of fluid in said brake pipe to effect the operation of the brakes pneumatically, of a brake switch operative to effect elec-



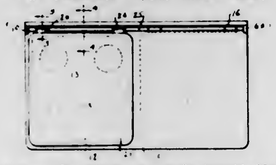
trically the operation of the brakes, and fluid pressure responsive means operatively controlled by movement of said brake switch for cutting off the supply of fluid under pressure from said source to said brake valve device through said communication.

2,002,893
DRILL PIPE PROTECTOR
Charles K. Holt, Santa Barbara, Ira B. Marsh, Ventura, and John B. Merritt, Santa Barbara, Calif.
Application May 19, 1933, Serial No. 671,880
Renewed November 5, 1934
14 Claims. (Cl. 308—4)



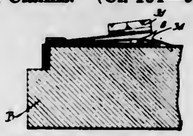
5. A well drilling string having longitudinally spaced projecting parts, a resilient continuous annular body adapted to be sprung over one of said parts to a position on the string between said parts, and means in the body for preventing radial expansion of the body after it has been positioned between said parts, said means including, substantially rigid members embedded in the body, and means for connecting said members to form an annular rigid assembly.

2,002,894
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application November 27, 1933, Serial No. 699,819
9 Claims. (Cl. 126—214)



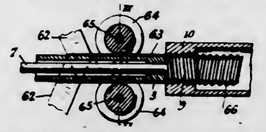
6. A stove having a substantially flat top, a cover for said stove top, said cover being substantially shorter than the top length, cover attaching means affording a permanent attachment of the cover to the stove and comprising a member extending lengthwise of the stove top for substantially the stove length adjacent the rear thereof, and means adjacent opposite ends of one side edge of the cover connecting the cover to said member for pivotal movement of the cover on an axis extending in the direction of the member and for a traversing movement in the direction of the member whereby selected portions of the stove top may be exposed at the side of the covered part.

2,002,895
ARTICLE OF PRINTER'S FURNITURE
Elmer L. Kokanour, Fort Lauderdale, Fla.
Application March 22, 1934, Serial No. 716,775
4 Claims. (Cl. 164—98)



3. An article of manufacture comprising a punch device adapted to be applied to the platen of a job printing press, said device having a heel for clamping engagement between the platen and bail of said press and having a toe adapted to enter a slit in the tympan drawsheet for positioning said device on the platen.

2,002,896
METHOD OF AND MEANS FOR THE MANUFACTURING OF HELICALLY GROOVED ENDLESS HOSE AND TUBING
Josef Kopetz, Vienna, Austria
Application October 30, 1931, Serial No. 572,164
In Austria November 10, 1930
7 Claims. (Cl. 93—80)

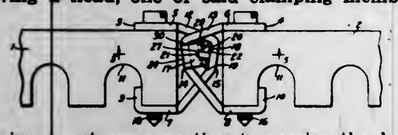


1. Apparatus for the purpose set forth including a frame supporting a fixed hollow mandrel, a spindle rotatably mounted within the said mandrel, a threaded plug on the end of said spindle immediately in front of the free end of the said hollow mandrel, an internally threaded member mounted in the said framework and spaced continuously about the said plug, means for rotating the said spindle, plug, and internally threaded member in the same direction and at the same speed, means for revolving rolls of ribbon-shaped material in ribbon form about the said hollow mandrel so that a tube of the said material is formed upon the outside of the said hollow mandrel, and a set of clamping rollers adapted to press against the said tube and to prevent the same from rotating upon the said hollow mandrel.

2,002,897
BELT CONNECTER
Edward H. Kremer, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 13, 1934, Serial No. 711,034
13 Claims. (Cl. 24—33)

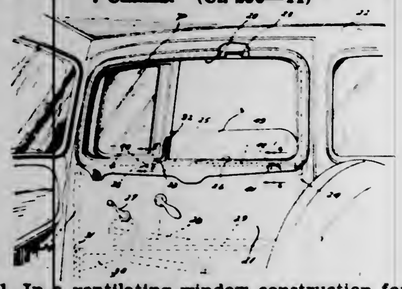
1. A belt connecter comprising interlaced clamping members with pintle members dis-

posed therebetween, one of said pintle members having a head, one of said clamping members



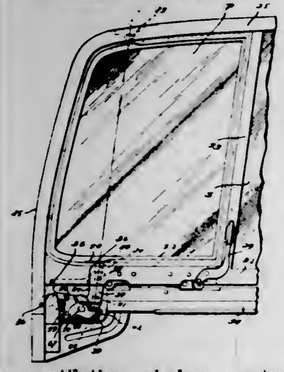
having a cut-away portion to receive the head and hold one of said pintle members.

2,002,898
VEHICLE VENTILATING WINDOW
Dwight B. Lee, Detroit, Mich.
Application April 30, 1934, Serial No. 723,253
7 Claims. (Cl. 296—44)



1. In a ventilating window construction for a vehicle body having a window casing, a frame slidable in said casing into and out of registration with the window opening, a bar slidably mounted on said frame, fixed supports carried by said casing, and a plurality of members spaced longitudinally of said bar engageable with said supports for securing said frame in position in registration with the window opening.

2,002,899
VEHICLE VENTILATING APPARATUS
Dwight B. Lee, Detroit, Mich.
Application April 30, 1934, Serial No. 723,254
5 Claims. (Cl. 296—44)



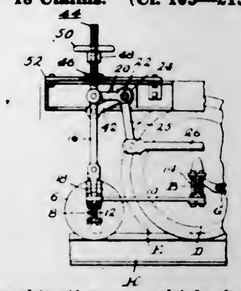
1. In a ventilating window construction of the character described, a frame, a panel pivotally mounted in said frame, a gear supporting frame secured to said first frame, a worm wheel rotatably mounted on said supporting frame, a retainer slidably mounted on said supporting frame, a worm carried by said retainer, and means for urging said retainer toward said worm wheel.

2,002,900
DECORATED GLASS ARTICLE
Edward C. Leibig, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 6, 1933, Serial No. 650,456
1 Claim. (Cl. 41—18)



A vessel of thermally and chemically resistant glass having a design which is composed of a colored area and an uncolored area, one area being raised with respect to the other area, the colored area consisting of a thin surface layer of the glass which contains a small amount of an element of the copper sub-group having an atomic weight between 63 and 108 of the first periodic group, said colored layer having an expansion coefficient not higher than the uncolored portion of the glass.

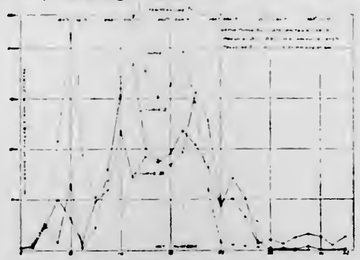
2,002,901
VEHICLE AND PILOT MEANS THEREFOR
David W. Main, Oklahoma City, Okla., assignor to Transportation Systems, Inc., Oklahoma City, Okla., a corporation of Oklahoma
Application March 28, 1932, Serial No. 601,691
18 Claims. (Cl. 105—215)



1. In combination, a vehicle having wheels adapted to traverse a railway track, pilot wheels alined with said vehicle wheels and adapted to coact with the track in guiding the vehicle, and resilient arms rigidly connected to the vehicle at one end and to said pilot means at the other end and adapted to permit independent vertical movement between the vehicle wheels and said pilot wheels without independent lateral movement between said wheels.

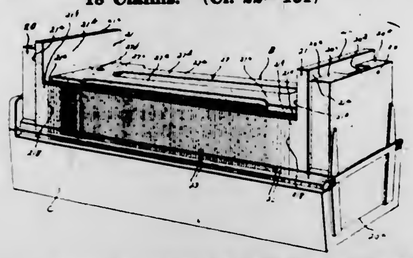
2,002,902
PROCESS FOR REMOVING GUM AND GUM FORMING CONSTITUENTS FROM CRACKED PETROLEUM DISTILLATES
Samuel M. Martin, Jr., Pittsburgh, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a corporation of Texas
Application January 8, 1932, Serial No. 585,570
11 Claims. (Cl. 196—23)

9. In the manufacture of motor fuels from pressure still distillates consisting chiefly of gasoline, the process which comprises removing from such distillates at least one intermediate cut containing a preponderance of gum and gum-forming constituents, this cut being taken within the limits of a temperature range of about 195° to 285° F., treating this cut to eliminate gum and



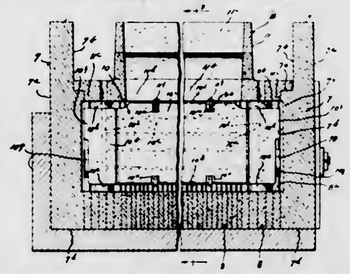
gum-forming constituents, and uniting the so purified cut with the bulk of the distillate from which it was derived.

2,002,903
APPARATUS FOR MAKING RADIATORS
James F. McIntire, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a corporation of New York
Original application August 15, 1932, Serial No. 628,950. Divided and this application March 19, 1934, Serial No. 716,420
18 Claims. (Cl. 22—131)



1. A mold for forming a radiator having end and side walls, headers upon the end walls, substantially parallel fluidways extending between the headers, and fins projecting laterally from opposite sides of said fluidways, comprising substantially parallel longitudinally extending dry sand cores having relatively thin elongated bodies for forming the fluidways and having enlargements at opposite ends thereof, cores of block-like configuration between and cooperating with said enlargements for forming the headers, and a casing for said cores comprising slabs at opposite ends of said cores in spaced relation to the enlargements, vertically disposed fin cores arranged one against the other in a row between said enlargements and having substantially horizontal and vertical portions respectively spaced beneath, between and upon the outer sides of said longitudinally extending cores, vertically disposed header cores arranged one against the other between the slabs and fin cores and having substantially horizontal and vertical portions respectively spaced beneath and upon the outer sides of said longitudinally extending cores, and a cover core extending over the vertical portions of said header and fin cores between said slabs, the said slabs being provided in their inner faces with recesses into which metal may flow to form the end walls of the radiator, one of said slabs being provided with an opening for receiving molten metal and having a runner for conducting said metal to the recess therein, the fin cores being provided in horizontal alignment with the recesses aforesaid with recesses into which metal may flow to form the fins of the radiator, the fin cores and the header cores being provided with horizontally aligned slots into which metal may flow to form the side walls of the radiator, the header and fin cores having openings in communication with and adapted to receive molten metal from the opening in the slab aforesaid and having runners for conducting such metal from said openings to the spaces between the upright portions thereof.

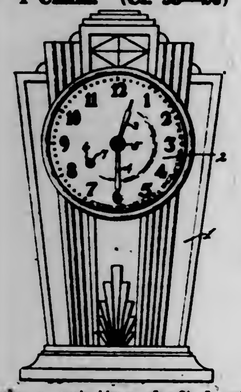
2,002,904
APPARATUS FOR MAKING RADIATORS
James F. McIntire, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a corporation of New York
Original application August 15, 1932, Serial No. 628,950. Divided and this application March 19, 1934, Serial No. 716,421
11 Claims. (Cl. 22—131)



1. A mold for forming a radiafor having end and side walls, headers upon the end walls, a fluidway extending between said headers, fins projecting laterally from opposite sides of the fluidway to said side walls, and fins projecting laterally from the headers to said side walls, comprising a longitudinally extending dry sand core having a relatively thin elongated body for forming the fluidway and having enlargements at opposite ends thereof for forming the headers, and a casing for said core comprising slabs at opposite ends of said core in spaced relation to the enlargements, vertically disposed fin cores arranged one against the other in a row between said enlargements and having substantially horizontal and vertical portions respectively spaced beneath and upon opposite sides of said elongated body, vertically disposed header cores arranged one against the other in rows between the slabs and the adjacent fin cores aforesaid and having substantially horizontal and vertical portions respectively spaced beneath and upon opposite sides of said enlargements, and a cover core extending over the vertical portions of said fin and header cores between said slabs and having depending portions that extend between the vertical portions of the header and fin cores, said cover core having a sprue for molten metal, and one of said depending portions having an opening therein communicating with the sprue and with the space between the vertical portions of said fin cores and forming a gate for the reception of molten metal, the slabs being provided in their inner faces with recesses into which metal may flow to form the end walls aforesaid, the fin cores being provided in horizontal alignment with the recesses just mentioned with recesses into which metal may flow to form the first mentioned fins, the header cores being provided in horizontal alignment

with the recesses aforesaid with recesses into which metal may flow to form the last mentioned fins, the bases of the recesses in the fin and header cores being provided at their outer upright edges with aligned slots into which metal may flow to form the side walls aforesaid.

2,002,905
DEVICE FOR INDICATING WHETHER A CLOCK IS RUNNING
Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application July 1, 1933, Serial No. 629,413
1 Claim. (Cl. 58—26)



In a clock, a rotating shaft having an end projecting in front of the face of said clock, and a faceted member attached thereto and eccentric thereof.

2,002,906
CAN TOP REMOVER
John H. Mullan, San Francisco, Calif.
Application March 20, 1934, Serial No. 716,479
5 Claims. (Cl. 81—3.1)



1. In a can top wrench, the combination of a jaw member having a handle with a longitudinal slot therein, a grip member having a cooperating jaw member, a securing means passing through the slot in the handle of said jaw member carried by and forming a longitudinally movable pivot for said grip member, and means disposed between said jaw member and said grip member operating between said members with a wedging action to tighten said securing means and prevent a longitudinal movement thereof in said slot when said grip member is moved toward said jaw member handle.

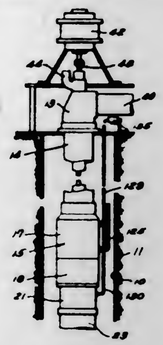
2,002,907
MOTOR PUMP
Charles Robert Sessions, San Francisco, Calif., assignor, by mesne assignments, to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application June 8, 1921, Serial No. 476,092
Renewed March 19, 1928
25 Claims. (Cl. 103—87)

1. A device of the class described, comprising: a motor casing; an electric motor in said casing; a shaft on said motor extending through said casing; a fluid seal, related to said motor shaft, for sealing the hub joint between said shaft and said casing in fluid-tight relationship; and means functioning upon the operation of said motor for changing the pressure on said fluid seal.



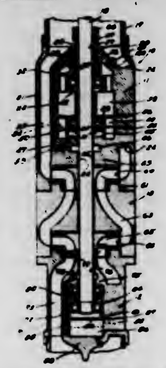
3. A device of the class described, comprising: a motor casing; an electric motor in said casing; a shaft on said motor extending through said casing; a pump connected to said shaft; a fluid trap, related to said motor shaft, for sealing the hub joint between said shaft and said casing in fluid-tight relationship; and a pneumatic means in said casing to control the pressure on said fluid trap in response to pressure variations set up by said pump.

2,002,908
BEARING STRUCTURE
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application September 26, 1932, Serial No. 634,908
21 Claims. (Cl. 308—134)



1. A bearing structure adapted to operate submerged in any fluid, comprising: walls forming a bearing chamber, said bearing chamber being substantially filled with a lubricating medium; a bearing in said bearing chamber; a vertical shaft extending into said bearing chamber and journalling in said bearing; seal means around said shaft for completely separating said lubricating medium in said chamber and said fluid in which said bearing structure is submerged; walls forming a balance chamber below said bearing chamber and containing bodies of said lubricating medium and said fluid in pressure-transferring relationship; passage means communicating between the upper end of said balance chamber and said bearing chamber; and means for preventing said lubricating medium from escaping from said bearing chamber should the level of said fluid fall below the level of said lubricating medium.

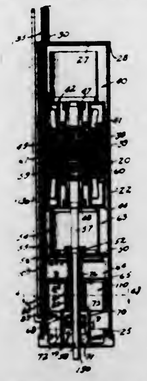
2,002,909
SUBMERSIBLE STRUCTURE
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application September 26, 1932, Serial No. 634,911
11 Claims. (Cl. 103—102)



1. In a submersible structure adapted to be submerged in an external liquid, the combination of: an enclosing structure; walls extending across the interior of said enclosing structure and dividing this interior into an upper chamber, an intermediate chamber, and a lower pressure-transfer chamber, said intermediate and said lower chambers communicating with each other; a shaft extending from said intermediate chamber through said upper chamber; a sealing means around said shaft and sealing said upper chamber from said intermediate chamber, said sealing means providing external and internal portions respectively communicating with said upper and intermediate chambers; means changing the pressure in said upper chamber with respect to the pressure of said external liquid in which said structure is submerged; walls forming a passage communicating with said upper chamber and extending downward below said intermediate chamber to communicate with said lower chamber to substantially equalize the pressures on said external and internal portions of said sealing means.

2,002,910
SUBMERSIBLE MOTOR WITH MERCURY-SEALED BALANCING MEANS
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application November 7, 1927, Serial No. 231,513
Renewed August 3, 1932
17 Claims. (Cl. 286—9)

1. In a device adapted to operate below the surface of an external fluid, the combination of: a shell, the interior of said shell containing an internal fluid; a fluid-sealed member separating said internal and said external fluids; and a valve in said member, said valve allowing a passage of fluid therethrough when said member is in a predetermined position.

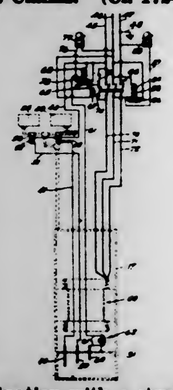


2,002,911
INVERTED MOTOR FOR PUMPS
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application January 9, 1928, Serial No. 245,307
6 Claims. (Cl. 103—87)



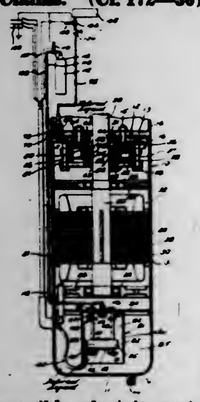
6. In a submersible motor-pump unit adapted for use in pumping a well, the combination of: a pump positioned in said well beneath the surface of the well liquid; a motor shell positioned below said pump but spaced therefrom to define a chamber communicating with the intake of said pump to conduct well liquid to the intake of said pump; a motor in said motor shell; connecting means operatively connecting said pump and said motor and extending through said chamber; a seal at the junction of said connecting means and said motor shell, an outer portion of said seal communicating with said chamber and an inner portion thereof communicating with the interior of said motor shell; and means for maintaining the pressure inside said motor shell substantially the same as the intake pressure of said pump, said means including a passage in open communication at one end with the lower part of said motor shell and at the other end with the well liquid drawn into said chamber by said pump, said passage opening on the pumped well liquid at a level near the top of said motor shell.

2,002,912
CONTROL DEVICE FOR PUMPING SYSTEMS
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application March 23, 1931, Serial No. 524,494
28 Claims. (Cl. 172—36)



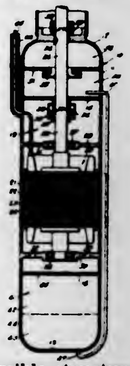
1. In combination with a structure submerged in an external liquid and providing a chamber containing variable amounts of said external liquid: a plurality of pressure-varying means above the surface of said external liquid and individually controlling the pressure in said structure to control the amount of said external liquid in said chamber; a plurality of electrode means extending varying distances into said chamber toward said surface of said external liquid; and circuit means operatively connecting each of said electrode means to a corresponding pressure-varying means.

2,002,913
SUBMERSIBLE MOTOR STRUCTURE WITH MECHANICAL SEAL
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application September 26, 1932, Serial No. 634,909
24 Claims. (Cl. 172—36)



1. In a submersible electric motor structure, the combination of: a shell containing a liquid and defining a motor chamber, said shell being submerged in an external liquid; a motor in said motor chamber; a shaft on said motor; a seal at the junction of said shaft and said shell; walls forming a gas chamber containing gas in its upper end and openly communicating at its lower end with said liquid in said shell; and means for supplying additional liquid to said liquid in said shell under pressure greater than the pressure at the depth of submergence of said shell, thereby forcing said liquid in said shell upward in said gas chamber to raise the liquid level therein until the head developed in the lower portion of said gas chamber is greater than the pressure of said external liquid at the depth of submergence of said shell and thereby maintaining in said shell a pressure greater than the pressure outside said shell, the liquid level in said gas chamber dropping as the pressure in said shell decreases.

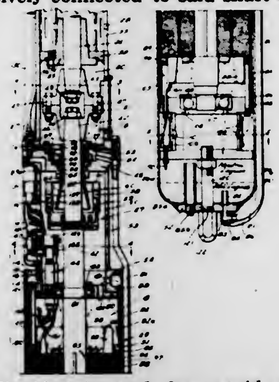
2,002,914
CONSTRUCTION FOR SUBMERSIBLE MOTORS AND THE LIKE
Earl Mendenhall, Los Angeles, and Junius B. Van Horn, Alhambra, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Original application September 26, 1932, Serial No. 634,911. Divided and this application January 12, 1935, Serial No. 1,520
12 Claims. (Cl. 172—36)



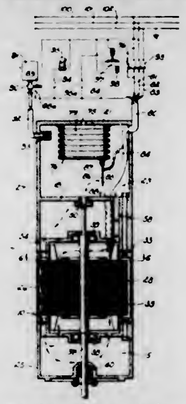
1. In a submersible structure, the combination of: an enclosing structure submerged in an external liquid and defining a main chamber containing an internal liquid; a rotatable shaft extending upward from said main chamber; a seal at the junction of said shaft and said enclosing structure; pump means above said main chamber and operated by said shaft and intaking from said external liquid in which said enclosing structure is submerged and discharging in communication with said seal; and walls forming a balance chamber communicating between said main chamber and the pressure developed by said pump means and containing pressure-transferring bodies of said internal and external liquids for building up the pressure in said main chamber to a value higher than the pressure of said external liquid at the depth of submergence of said structure and thereby substantially equalizing the pressures on opposite sides of said seal.

2,002,915
MOTOR CONSTRUCTION
Earl Mendenhall, Junius B. Van Horn, and Clarence J. Coberly, Los Angeles, Calif.; said Mendenhall and said Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application September 26, 1932, Serial No. 634,912
28 Claims. (Cl. 172—36)

1. In a submersible electric motor structure, the combination of: a shell positioned in a surrounding medium; a motor in said shell; a shaft on said motor extending from said shell; a sealing means sealing the junction of said shaft and said shell; walls defining an auxiliary chamber communicating with said sealing means; pump means for building up a pressure in said auxiliary chamber which is greater than the pressure of said surrounding medium, said pump means being operatively connected to said shaft and circulating liquid into and from said auxiliary chamber; a throttle means for throttling the flow of said liquid through said auxiliary chamber to regulate the pressure therein; and a pressure transfer means communicating with said auxiliary chamber and with the interior of said shell for building up a pressure in said interior of said shell substantially equal to the pressure in said auxiliary chamber.

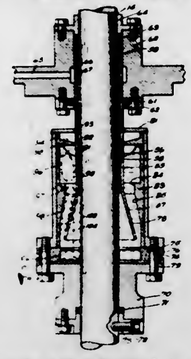


2,002,916
SUBMERSIBLE MOTOR CONSTRUCTION
Earl Mendenhall, Los Angeles, and Junius B. Van Horn, Alhambra, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application April 16, 1934, Serial No. 720,774
16 Claims. (Cl. 172—36)



1. In combination in a submersible electric motor: a motor shell containing an internal liquid and adapted to be submerged in an external liquid; an electric motor in said motor shell and providing a shaft extending through said shell; a seal at the junction of said shaft and said shell and providing an internal portion contacted by said internal liquid and an external portion communicating with said external liquid; pumping means in that end of said shell opposite said seal and intaking internal liquid from one section of said shell and discharging said internal liquid at higher pressure into another section of said shell; and means transferring the discharge pressure of said pump to said internal liquid contacting said internal portion of said seal to maintain on said internal portion of said seal a pressure in excess of the pressure on said external portion of said seal.

2,002,917
SEALING DEVICE
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application June 16, 1931, Serial No. 544,792
17 Claims. (Cl. 286—9)

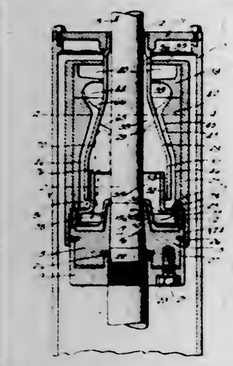


17. In a fluid seal adapted to effectively seal two liquids at the junction of a rotating member and a stationary member, the combination of: a cup means secured to said rotatable member and retaining a body of mercury rotating therewith; and a stationary baffle attached to said stationary member and extending into said cup means to a position beneath the surface of said body of mercury, said baffle cooperating with said rotatable member to define an annular chamber, opposite sides of said baffle respectively communicating with said two liquids whereby one of said liquids communicates with one portion of said surface of said mercury positioned in said annular chamber, and the other of said liquids communicates with another portion of said mercury surface positioned in the space between said baffle and said cup means, said baffle being formed of metal and being coated with a non-metallic coating which prevents direct contact between the metal of said stationary baffle and the mercury rotating relative thereto thus preventing pitting of said baffle.

2,002,918
FLUID-PACKED SEAL
Earl Mendenhall, Junius B. Van Horn, and Clarence J. Coberly, Los Angeles, Calif.; said Mendenhall and said Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif., a corporation of California
Application June 29, 1931, Serial No. 547,542
27 Claims. (Cl. 286—9)

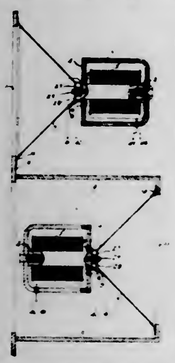
1. A seal for sealing the junction of a vertically positioned rotatable member and a stationary member, including in combination: cup means secured to one of said members and retaining a

body of sealing liquid; an apron secured to the other of said members and extending downward around said rotatable member and into said sealing liquid, said apron terminating in a lower edge



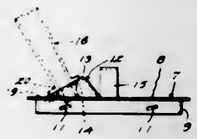
submerged in said sealing liquid at all times regardless of the operation of said seal; and a pumping means setting up a continuous circulating flow of said sealing liquid in said cup means and transversely across said lower edge.

2,002,919
ELECTROMAGNETIC TRANSLATING SYSTEM
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application June 17, 1932, Serial No. 617,738
7 Claims. (Cl. 179—115.5)



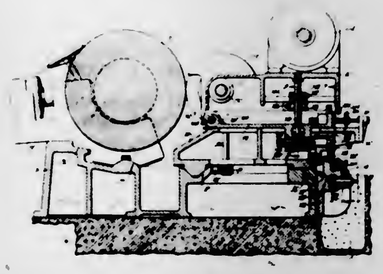
1. In an electromagnetic translating system, the combination of two sound reproducers each including a magnetic circuit wherein is provided an air-gap and including a dynamic coil operatively located in said air-gap and a diaphragm coupled to said coil; a common source of pulsating direct current for exciting said magnetic circuits; a common source of sound representing oscillations for energizing said dynamic coils; electrical interconnections between said two reproducers whereby the pulsations respectively induced in said dynamic coils by said excitation mutually cancel; and a common baffle for the diaphragms of said reproducers, said diaphragms being so disposed with respect to said baffle that their radiations on either one side of said baffle combine in aiding phase.

2,002,920
MILKING DEVICE
Henry L. Morency, Boulder, Colo.
Application July 26, 1933, Serial No. 682,319
2 Claims. (Cl. 31—50)



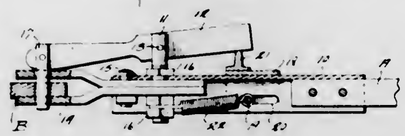
1. In a milking receptacle, a receptacle body having an open top, a cover for said open top, said cover having a portion of its top pressed upwardly to form a flat inclined wall, said wall having an aperture therein, and an elongated milking tube of resilient material having one end of smaller diameter than the other, a broad flange surrounding said tube adjacent the smaller end, a rib surrounding the tube in close proximity to the flange and between the same and the adjacent end, and said tube being tapered from said rib to the adjacent end to facilitate its introduction into said inclined wall opening, said rib being yielding to pass through the opening whereby the edge of the opening will be held between the rib and said flange.

2,002,921
GRINDING MACHINERY
Lester F. Nenninger, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 3, 1933, Serial No. 669,212
9 Claims. (Cl. 51—49)



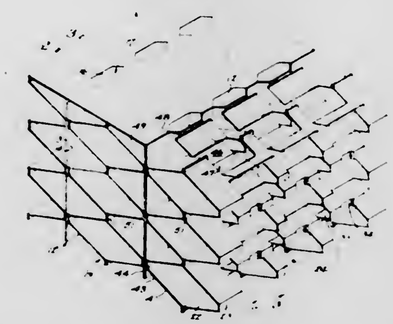
1. In a grinding machine of the class described the combination of a bed, a grinding wheel support mounted thereon for a translation relative thereto, a slide on the support for transverse adjustment relative thereto, a grinding wheel carriage pivotally mounted on the slide for oscillation in the direction of adjustment of the slide, power means for actuating the slide, manual means for oscillatably adjusting the carriage, additional power means for oscillating the carriage, a coupling between the power oscillating means and carriage whereby the power oscillating means is effective regardless of the adjustment of the slide with respect to the support, including a spline shaft adapted to be oscillated by the power oscillating means, an arm in operative engagement with the spline shaft and shiftable relative thereto with the slide, and an axially adjustable plunger contacting with the arm and forming a part of the manual oscillating means.

2,002,922
COUPLING FOR PUMP RODS, TRAILER HITCHES AND THE LIKE
Herman A. Onken, Webster City, Iowa
Application February 9, 1935, Serial No. 5,879
3 Claims. (Cl. 280—33.15)



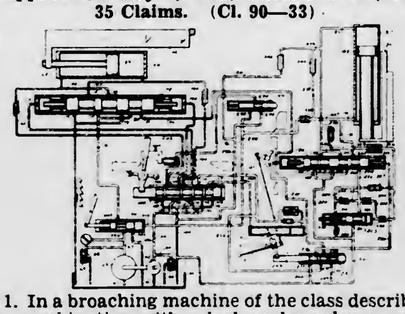
1. A coupling of the character described, comprising a body having an apertured fork at one end, a lever pivoted upon the body and having a locking bolt adapted to pass through the apertures of the fork, a slide mounted upon the body for longitudinal movement toward or from the pivot pin of the lever, the slide when pushed toward the pin being disposed beneath the rear end of the lever and preventing the rear end from being depressed and the locking bolt from being raised from the fork, the slide being retractible to permit the depression of the rear end of the lever.

2,002,923
RADIATOR FIN CONSTRUCTION
Oscar C. Palmer, Phoenix, Ariz.
Application November 27, 1931, Serial No. 577,578
3 Claims. (Cl. 257—130)



3. A radiator construction comprising a first set of water tube members, a second set of water tube members in spaced parallel relation thereto forming an air channel therebetween, each set of water tube members having beads thereon projecting into the air channel, and two fins in the air channel, each fin being a transversely corrugated section of sheet metal, the corrugations of each fin forming two sets of crests, each fin having crests of one set engaging the adjacent water tube member between the beads thereon, and portions of said crests opposite the beads on the water tube member bent reversely so as to be between the crests of the other set of crests on the same fin, the crests of said other set of each fin being in engagement with each other and having portions opposite the beads reversely bent into engagement with the beads between the crests of the first set of each fin, said two fins being interlocked to hold them against displacement relatively to each other.

2,002,924
BROACHING MACHINE
Millard Romaine, Cincinnati, and Erwin G. Roehm, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 3, 1933, Serial No. 669,209
35 Claims. (Cl. 90—33)



1. In a broaching machine of the class described the combination with a bed, and a column, of a ram mounted on the column for movement relative thereto in a given direction, a table mounted on the bed having a plurality of stations and movable in a direction angularly related to the direction of movement of the ram for successively positioning the stations of the table with respect to the ram, means for shifting the table and automatically positioning it with respect to the ram, means for actuating the ram, means associated with either the ram or table for locking the same in position during the operation of the other, and means associated with the operating part and operable thereby for rendering the last named means inoperative to effect the operation of the locked member.

19. In a broaching machine of the class described the combination with a broaching ram and a work supporting table having a plurality of work positions adapted to be successively aligned with the ram, said table and ram being movable relative to one another in angularly related directions, of independent hydraulic motors for actuating the ram and table, said hydraulic motors being operated in sequential order each at the conclusion of the operation of the other, an hydraulic circuit for effecting the operation of said motors, a reversing valve in the circuit for each motor, power control means including a second hydraulic circuit for actuating the reversing valves, a pilot valve in said control circuit for each reversing valve, connections between said pilot valves whereby the reversing valves are sequentially operated, manual means for operating one of said pilot valves for initiating the cycle, dog controlled means for shifting said pilot valve and effecting the operation of said second pilot valve, additional dog controlled means for shifting said second pilot valve to effect a reverse actuation of its reversing valve, further dog controlled means for shifting said second pilot valve to effect a neutralizing or stopping position of its reversing valve, and power controlled means for locking the first pilot valve in position during the cyclic movement of the second pilot valve and reversing valve.

2,002,925
COVER BAG FOR CAGES
Merritt D. Robison, San Francisco, Calif.
Application June 6, 1934, Serial No. 729,260
8 Claims. (Cl. 119—17)

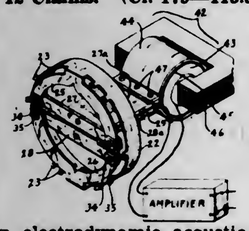
1. A cover bag for cages, comprising an upper bag portion and a lower bag portion having hori-

zontal edges, said portions fixed together about their horizontal edges, said upper portion consist-



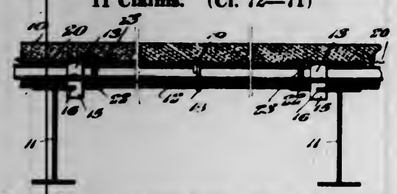
ing of a plurality of sections adapted to close over said cage or hang down about and under said lower portion.

2,002,926
ELECTRODYNAMIC LOUD SPEAKER
Lincoln Thompson, Naugatuck, Conn.
Application July 30, 1932, Serial No 626,416
12 Claims. (Cl. 179—115.5)



8. In an electrodynamic acoustic vibrator, a circular closed ring of conducting material having a plurality of inwardly extending flexible conductors circumferentially disposed therearound and adapted to provide a plurality of arcuate current paths electrically in parallel in said ring, means for providing a magnetic field adapted to traverse said ring, and means for causing a flow of oscillatory currents in said flexible conductors and in said ring, said air gaps extending substantially around the entire circumference of said ring.

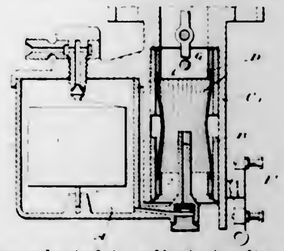
2,002,927
BUILDING CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application June 24, 1931, Serial No. 546,436
11 Claims. (Cl. 72—71)



8. A floor construction comprising primary supporting means, ceiling surfacing units, means for supporting said units, and means for supporting said last named means by and above said first named means and out of contact therewith.

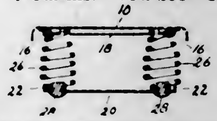
2,002,928
CARBURETOR
Edward Susanna Almaraz, Madrid, and Edmond Cabezas San Antonio, Guadalajara, Spain
Application November 18, 1932, Serial No. 643,204
In Spain November 21, 1931
3 Claims. (Cl. 261—44)

1. A carburetor, comprising in combination, a casing having tubular side walls, a diffusor within said casing, said diffusor consisting of a number of elongated flexible blades forming a tube having a variable cross-section and shape; a movable ring connected with adjacent ends of all of said blades, another movable ring connected with the opposite ends of all of said blades, a throttle valve disc within said casing, a valve stem carrying said disc and rotatably mounted in said casing, a shaft connected with the first mentioned ring and projecting through a slot formed in said casing, a cam situated outside of said casing and firmly connected with said stem, said cam being in contact with said shaft, a lever firmly connected with said shaft and said cam, said lever being situated outside of said casing



and being adapted to adjust simultaneously the position of said throttle valve relatively to said casing and the position of the first-mentioned ring relatively to the second-mentioned ring, a movement of the first-mentioned ring toward the second-mentioned ring causing a bending of said flexible blades, whereby a Venturi tube is formed, another shaft connected with the second-mentioned ring and projecting through a slot formed in said casing, and another lever rotatably mounted outside of said casing in a side wall thereof and adapted to move the second-mentioned shaft to adjust the position of the second-mentioned ring relatively to the first-mentioned ring.

2,002,929
SADDLE
Bert J. Anderson, Hammond, Ind.
Application December 8, 1934, Serial No. 756,673
7 Claims. (Cl. 208—15)



1. A saddle for a velocipede including a stamped seat member, a tongue secured to the under surface of the seat member, a flat member having a segmental groove adjacent each end thereof secured to the under surface of the seat member transverse the longitudinal axis thereof, a reach member movably secured to said tongue member, and a pair of springs riveted to the rear end of said reach member, the topmost coil of each spring being positioned within a segmental groove in said flat member.

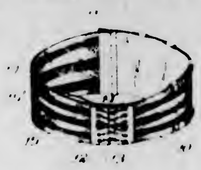
2,002,930
BRAKE RIGGING
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 30, 1932, Serial No. 626,289
22 Claims. (Cl. 188—56)

1. In a car truck, the combination of pairs of wheels therefor, brake rigging for said wheels including brake beams and connected truck levers located to the inside and outside of the wheels respectively, rods connecting the levers on both sides of the truck, an equalizer bar supported by the truck frame and operatively connected to the truck levers, release means for resiliently return-



ing said rigging to release position, said release means including spaced brackets mounted on said truck, a rod slidably mounted on said brackets, resilient means cooperating with said last named rod, and a flexible connection between said rod and the ends of the bar for permitting lateral movement of said equalizer bar.

2,002,931
COLOSTOMY BELT
Myrtle A. Bowman, Rochester, Minn.
Application December 26, 1931, Serial No 583,388
8 Claims (Cl. 128—283)



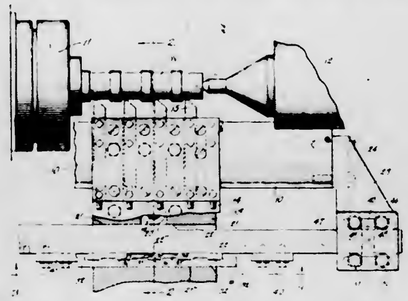
6. A colostomy belt including, a band-like body portion, and a flat flexible resilient water proof removable colostomy pocket carried by said belt.

2,002,932
STEEL FOR RAILROAD RAILS, WHEEL TIRES, PLANK PILES, AND OTHER OBJECTS
Herbert Buchholtz, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
No Drawing. Application December 11, 1931, Serial No. 580,500. In Germany December 12, 1930
2 Claims. (Cl. 75—1)

1. A steel for railroad rails, wheel tires, plank-piles and other objects which are subjected to heavy wear, said steel containing about 0.05 to 0.20% of carbon, about 0.08 to 0.25% of phosphorous, about 0.1 to 0.6% of silicon, about 0.6 to 1.6% of manganese and about 0.25 to 1% of copper and the balance substantially iron.

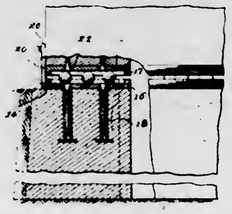
2,002,933
TOOL RELIEF MECHANISM
Timothy B. Buell, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application December 23, 1933, Serial No. 703,815
20 Claims. (Cl. 82—14)

1. In a lathe having a bed, rotatably mounted work supporting means, a carriage movable longitudinally of the work axis, and a tool slide mounted on the carriage for movement toward and away from the work, in combination, a cam bar supported on the bed extending longitudinally through a recess in the carriage, a roller carried on the cross slide arranged to engage the inner edge of the cam bar to determine the path of the tool along the work during a turning operation, resilient means normally urging the tool slide away from the work acting to hold said roller against the surface of the cam bar, and means for withdrawing the tool slide from the work upon the completion of the turning operation and prior to the return movement of the carriage comprising means normally holding said cam bar in its operative position, and means operable upon the completion of the turning operation to release said holding means and permit said resilient means to withdraw the cross slide, said means comprising a pair of relatively movable parts positioned intermediate the forward



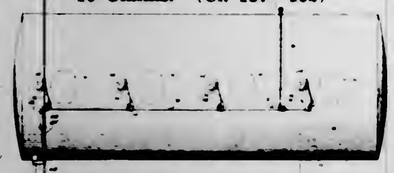
edge of the cam bar and the carriage, said parts having projecting portions arranged to interengage to hold the cam bar in its normal position and each part having recesses adapted to receive the projecting portions of the other part to permit movement of the cam bar away from the work, a dog secured to said cam bar adapted to engage the end of one of said parts during movement of the carriage to move said part into interfitting engagement with the other part at the completion of the cutting operation, and a second dog arranged to engage said movable part as the carriage returns to its starting position to interengage the projecting portions of said parts and return the cam bar to its normal position.

2,002,934
BUILDING CONSTRUCTION
George R. Collins, Kansas City, Mo.
Application April 10, 1933, Serial No 665,428
1 Claim. (Cl. 72—77)



In a building construction having a foundation and a building thereon, plates secured to the upper side of said foundation, oppositely disposed plates on the underside of said building, ball bearings disposed between said plates permitting of the free movement of either said building or said foundation and a strip disposed adjacent the outside of the building over the opening between said plates for preventing the entrance of foreign elements between the plates.

2,002,935
SAFETY MEANS FOR TANKS
Robert W. Crossen, Jr., Plainfield, Ill., assignor to Farrell Manufacturing Company, Joliet, Ill., a corporation of Illinois
Application July 30, 1932, Serial No. 626,434
10 Claims. (Cl. 137—162)



1. In a tank, the combination of a plurality of compartments, valve control means for controlling discharge from said compartments, said control means including a cam member for each compartment, a lever for each cam member for operating said cam members, a rotatable shaft mounted on and extending longitudinally of the tank and connected to said levers for operation thereof, a handle for rotating said shaft, said levers and said cam members, and means outside of said tank for automatically rotating said shaft to operate said levers and said cam members.

2,002,936
FILTER
Charles Davies, New York, N. Y.
Application July 28, 1932, Serial No. 625,229
5 Claims. (Cl. 183—71)

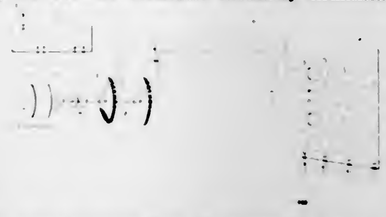


1. A filter comprising a body of filtering material shaped to provide a central filtering portion of zig-zag cross-section and a smooth rim portion encircling the central portion intermediate the crests of the zig-zags.

4. A filter unit comprising a corrugated body of filtering material, and a casing comprising two oppositely disposed relatively rigid members, each member comprising an upstanding open-faced central portion to accommodate the corrugations and an outwardly extending flange encircling the central portion, and means to secure the filter body between the casing members.

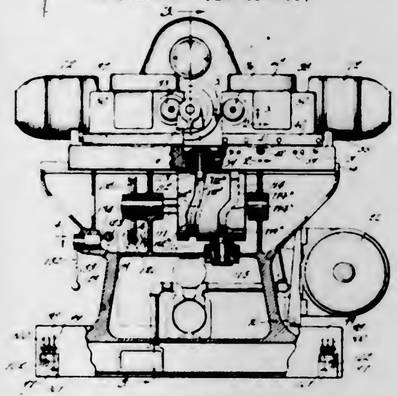
2,002,937
TELEVISION SYSTEM
Harry Melville Dowsett, Winchmore Hill, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 25, 1932, Serial No. 624,437
In Great Britain July 27, 1931
4 Claims. (Cl. 178—6)

1. In television receiving apparatus, a viewing panel on which electro-optical image reproductions are to be made, means for producing over the several elemental areas of the viewing panel signal controlled point representations of the varying values of lights and shadows of a subject of which the electro-optical image is being produced, and a plurality of light producing means surrounding each point of controlled light representation for producing independently of signalling indications constant intensity illumination



over areas surrounding the areas of image point representations.

2,002,938
MACHINE TOOL
Leo A. Dumser and Oscar W. Floody, Rockford, Ill., assignors to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application March 6, 1933, Serial No. 659,744
16 Claims. (Cl. 29—70)

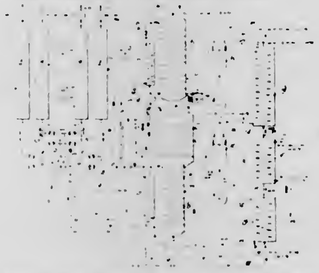


1. A machine comprising, in combination, a frame, an arbor rotatably mounted on said frame, a work support movable transversely on said frame beneath said arbor, means for reciprocating said work support at feed and traverse rates including means for moving the support at a feed rate prior to its reversal at each end of its stroke, a pair of work chucking and rotating fixtures on said support one on each side of said arbor, each comprising a holder and a work chucking device rotatably mounted on the holder on an axis parallel with said cutter arbor and in overhung relation thereto so as to facilitate replacing finished work pieces with work blanks, means for driving said chucking device at a relatively low speed, and means for clamping work pieces to said chucking devices and for releasing said work pieces therefrom during continued rotation of the chucking devices comprising piston and cylinder devices on said fixtures, and control valves for said piston and cylinder devices having operating pedals positioned on the front of said frame adjacent to the bottom thereof and arranged to be foot operated.

2,002,939
STENCIL AND MARKING INK
William Ernest, Martinez, Calif., assignor of one-half to Emanuel H. Baer, Associated, Calif.
No Drawing. Application February 14, 1934, Serial No. 711,223
1 Claim. (Cl. 134—32)

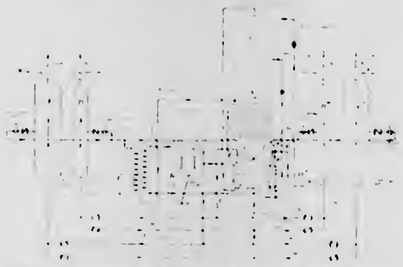
A stencil and marking ink consisting of approximately 32 fluid ounces of liquid shellac, 5⅓ to 6 fluid ounces of turpentine, 2 to 2⅓ fluid ounces of beeswax, 5⅔ to 8 fluid ounces of pigment, and 80 to 167 fluid ounces of alcohol.

2,002,940
PROCESS FOR THE RESOLUTION OF GAS MIXTURES
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application October 14, 1931, Serial No. 568,714
In Germany May 20, 1931
14 Claims. (Cl. 62—175.5)



14. In a process for the resolution of a gas mixture, the improvement which comprises compressing a gas mixture to condenser pressure, cooling by passing through a cold yielding zone, removing a portion of compressed and cooled gas, rewarming said portion including heat exchange with an additional quantity of gas mixture which is subsequently subjected to resolution, compressing, cooling, then detensioning to recover cold given up to the additional quantity of gas mixture, and reintroducing into the process whereby cold and compression losses are reduced.
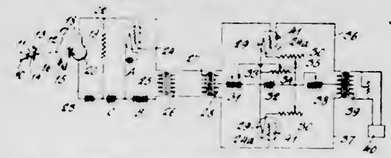
2,002,941
METHOD AND MEANS OF SEPARATING GAS MIXTURES
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application October 21, 1931, Serial No. 570,119
In Germany November 12, 1930
11 Claims. (Cl. 62—175.5)



1. The method of separating a gas mixture into components, which comprises conducting a gas mixture in cold exchange relation with a cold regenerative body, withdrawing a smaller part of said gas mixture during its cold exchange with said cold regenerative body, liquefying and separating the remainder of said gas mixture into higher and lower boiling components, the component having a lower boiling point being partially in a gaseous state, passing the said smaller part of the gas mixture in cold exchange relation with a part of the lower boiling gaseous component whereby the gaseous component is heated and the gas mixture cooled, expanding such warmed portion of the lower boiling component, subsequently conducting the expanded component in contact with a regenerative body to impart cold to said body, separating the cooled smaller part of the gas mixture into components, and bringing separated components into cold exchange relation with a regenerative body.

11. An apparatus for separating a gas mixture into components, including in combination means for effecting a cold exchange between a gas mixture and separated components, means for liquefying and separating said gas mixture into higher and lower boiling components, the first mentioned means being connected in operative relation by conduits for passing gases to and from with the second mentioned means, means for effecting a cold exchange between gaseous and liquid separated components, gas expanding means positioned between said first mentioned cold exchange effecting means and the liquefying and separating means wherein a separated component is expanded, and a conduit connecting the gas expanding means with the first mentioned cold exchange effecting means whereby expanded component is conducted directly to such means for imparting cold thereto.

2,002,942
TELEPHONY
Marion W. Gieskieng, Denver, Colo., assignor, by direct and mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 13, 1929, Serial No. 413,757
11 Claims. (Cl. 179—78)

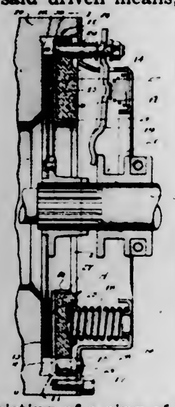


1. In a signalling system, a source of sounds, photoelectric means to convert the sounds into electrical variations in such a manner that weaker sounds are converted into greater variations in proportion than stronger sounds, means for transmitting the electrical variations through an interference zone, means for receiving transmitted electrical variations and interference impulses comprising a pair of multi-electrode electron discharge tubes having their input and output circuits connected in push pull, and means for biasing at least one of the electrodes of each tube to such a point on the grid voltage-anode current charactertistic of each tube that the received electrical variations are re-distorted in accordance with the original sounds and the interference impulses reduced.

2,002,943
CLUTCH
Alfred J. Hartley, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application December 10, 1930, Serial No. 501,338
9 Claims. (Cl. 192—68)

1. In a clutch having driving and driven members and driving and driven means respectively connected in driving engagement with said driv-

ing and driven members; said driving means comprising a sheet metal member adapted to provide a substantially flat wearing surface for engagement with said driven means, and a back-



ing member consisting of a ring of heat resisting material secured in concentric relation to said sheet metal member and adapted for transmitting the driving effort in conjunction with said sheet metal member.

2,002,944

ACCESS OPENING FOR USE IN AIRCRAFT CONSTRUCTION

Charles E. Hathorn, Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York

Application July 15, 1932, Serial No. 622,633
5 Claims. (Cl. 244—31)



1. In an airplane, a fabric covering having an access opening therein, a slide fastening device for closing said opening, flexible webs securing said fastening device to the opposite edges of said opening, a rigid metal frame secured to the fabric on one side of said opening, and a second metal frame secured to the fabric on the other side of said opening, the said frames preventing the occurrence of stresses due to shrinkage of the fabric tending to pull the fastening device apart.

2,002,945

PROCESS OF PRODUCING CEMENTITIOUS MATERIAL

Gilbert A. Hoggatt, Buffalo, N. Y., assignor to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application March 1, 1934, Serial No. 713,617
11 Claims. (Cl. 106—34)

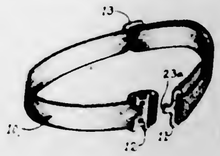
1. The process of manufacture of calcined gypsum which comprises calcining gypsum, and adding to the gypsum before completion of the calcining operation a halogen acid.

2,002,946

BUCKLE AND PROCESS OF MAKING SAME

Joseph Jacobs, Bridgeport, Conn., assignor to A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut

Application March 28, 1934, Serial No. 717,779
2 Claims. (Cl. 241—5)



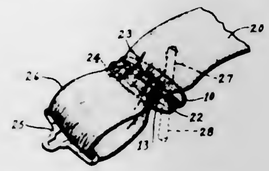
1. The method of assembling an eye buckle having upright prongs formed at each corner, a slide buckle having a pair of upright prongs formed at opposite ends, and a hook plate, to a longitudinal webbing strap to produce an adjustable band garter, which consists of forming one end of the strap into a loop, assembling said loop vertically upon said eye buckle with the end of said strap positioned between said prongs, bending said corner prongs downwardly upon said strap, threading said hook plate upon the opposite end of said strap, forming the hook plate end of said strap into a loop including said hook plate, moving said latter loop vertically down upon said slide buckle and bending the prongs thereof down upon said strap in such a manner as to include the double thickness of said strap.

2,002,947

SLIDE BAR FOR MEN'S GARTERS

Joseph Jacobs, Bridgeport, Conn., assignor to A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut

Application March 28, 1934, Serial No. 717,781
3 Claims. (Cl. 241—6)



1. The combination of a slide buckle with an adjustable flexible looped strap, said buckle consisting of a metal frame comprising a pair of end cross-bars and a central cross-bar spaced from said end cross-bars by a pair of slots, said central cross-bar comprising two sections welded together, the end of said strap being looped about and concealing the welded joint between the sections of said central cross-bar.

2,002,948

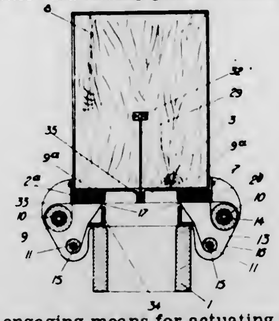
DEVICE FOR PLACING PROTECTIVE COVERINGS AUTOMATICALLY ON THE SEATS OF WATER CLOSETS

Camille Joriot, Lac-ou-Villers, France

Application April 5, 1934, Serial No. 719,218
In France April 13, 1933
6 Claims. (Cl. 4—247)

1. In a device for placing protective coverings on the seats of water closets, rollers mounted on each outer side of the seat, a sliding plate, means

connecting the sliding plate with the lid of the bowl to cause said sliding plate to move with the



bowl and engaging means for actuating said rollers on the movement of the lid.

2,002,949

HAND BAG

Herman I. Kenler, New York, N. Y.

Application December 13, 1934, Serial No. 757,270
5 Claims. (Cl. 150—29)



1. A handbag including a channel member, a bag having a opening, a slide fastener for said opening, the slide fastener having a hook bearing stringer of a relatively incompressible thin material, said stringer and a portion of the bag wall being clamped in said channel member and being otherwise separate of each other, a strip of a body providing compressible flexible material connected to the stringer therealong, and the body forming strip being positioned wholly within the channel member, so as to be concealed therein and to prevent the stringer from slipping out of the channel member.

2,002,950

PRESSURE GAUGE

Maximilian Klein, Sellersville, Pa., assignor to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania

Application September 27, 1932, Serial No. 635,103
6 Claims. (Cl. 73—109)



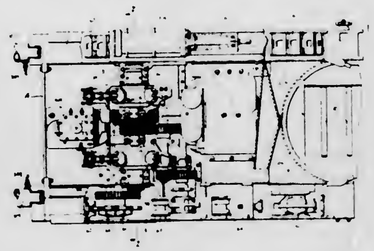
3. A pressure gauge comprising a socket member, a bracket supporting the moving parts of said gauge having a part lapping said member, a bushing having a head formed to act as a spacer securing said bracket part to said member, a dial disposed against said spacer, and means to secure said dial to said bushing independently of said bracket part.

2,002,951

LOADING MACHINE CONTROL MECHANISM

Nils D. Levin and Edward G. Lewis, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application May 8, 1930, Serial No. 450,741
18 Claims. (Cl. 180—9.2)



1. In a machine of the class described comprising a pair of traction elements, and steering mechanism comprising a drum and cooperating band associated with each traction element, the combination of separate hydraulically actuatable means for operating said bands, a source of fluid under forced pressure, and a valve for effecting alternate or simultaneous supply of the hydraulic medium to said band operating means or for blocking the supply to said band operating means simultaneously, said valve comprising a casing and a plug rotatable and axially reciprocable in said casing, the blocking position of the valve being reached by axial displacement of the plug from its supply position.

2,002,952

MATERIAL HANDLING MECHANISM

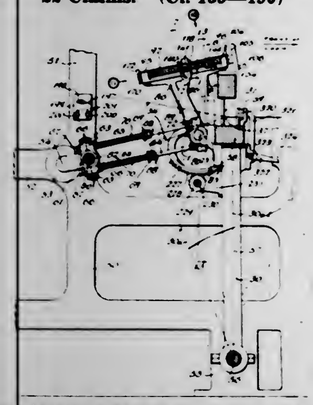
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Continuation of application Serial No. 450,742, May 8, 1930. This application July 26, 1933, Serial No. 682,348
8 Claims. (Cl. 198—7)



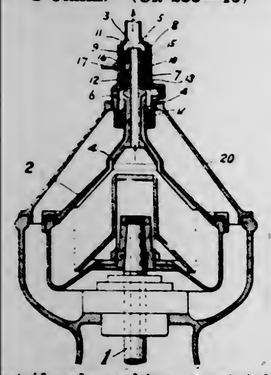
1. Material handling mechanism comprising a pair of elongated laterally spaced box-like elements, supporting and tractive members housed in said elements, a substantially horizontal frame interconnecting said elements below their upper extremities, a motor mounted on said frame, driving connections between the motor and tractive members supported on said frame, an elongated substantially horizontal conveyor extending above said motor and connections and including a trough between the upper extremities of said box-like elements for lateral support thereby, the rear end of said conveyor being pivotally connected to the rear ends of said elements on a transverse axis, said conveyor having a forward horizontally pivoted end projecting beyond said elements, and hydraulically actuated means for swinging said end relative to the remaining portion of the conveyor or for moving the conveyor as a whole about said axis.

2,002,953
ADJUSTING DEVICE FOR LOOMS AND METHOD OF CONTROLLING THE BEATING-UP OPERATION
Irving Lewin and Conrad Walter Geier, Hazleton, Pa., assignors to Duplan Silk Corporation, New York, N. Y., a corporation of Delaware
Application October 11, 1933, Serial No. 693,086
22 Claims. (Cl. 139—190)



1. An adjusting device to control the beating-up operations of looms to accommodate altered fell positions, comprising a lay sword, a lay carried by said lay sword, a crank connector, an adjustable eccentric connection between said sword and connector and automatic means actuated by the movement of the lay to return the lay to its normal beating-up position after adjustment.

2,002,954
CENTRIFUGAL SEPARATOR
Hans Olof Lindgren, Appelviken, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application September 18, 1931, Serial No. 563,540
In Sweden December 15, 1930
1 Claim. (Cl. 233—46)



In a centrifugal machine, a rotatable tubular element through which a fluid is adapted to flow, two non-rotatable tubular elements surrounding the rotatable tubular element, one of which forms a channel through which another fluid is adapted to flow and the other of which forms a channel communicating with said rotatable tubular element, elastic collars each comprising a free tubular end surrounding the rotatable tubular element and an outwardly projecting end, a flange projecting inwardly from one of said non-rotatable tubular elements, an internal sleeve adjustable lengthwise of the last named non-rotatable tubular element, the other of said non-rotatable tubular elements extending within and adjustable lengthwise of the internally flanged tubular element, the adjustable non-rotatable tubular element and said adjustable sleeve confining between them and said flange, on opposite sides of the flange, the outwardly projecting ends of the respective elastic collars, thereby forming a collecting chamber enclosed by the rotatable tubular element, said flange and the elastic collars, said collecting chamber having an opening adapted to be connected with a source of absolute pressure below the pressures in the respective channels.

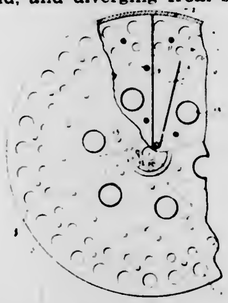
2,002,955
DETACHABLE-HOOD GARMENT
William Lipson, Brookline, Mass.
Application February 18, 1935, Serial No. 7,090
3 Claims. (Cl. 2—84)



1. A coat provided with sleeves, a neck portion and a collar permanently attached to the neck portion and folded back over the outside of the coat at the back, the sides and the front of the coat, a hood separably attached to the coat, said hood having a back, sides and front portions and having a lower margin at the said back, sides and front portions, fastening means on the inside of the coat near the neck portion and including the front portion of the coat, and cooperating fastening means at the said lower margin of the hood and including the said front portions of the said lower margin of the hood, the fastening means and the cooperating fastening means being adapted to cooperate to detachably connect the said lower margin of the hood to the inside of the coat at the neck portion of the coat including the front portion of the said neck portion of the coat.

2,002,956
MANIFOLD FOR TUBULAR DRIERS
Adolph W. Lissauer, Louisville, Ky., assignor to Louisville Drying Machinery Co., Louisville, Ky.
Application June 6, 1934, Serial No. 729,179
2 Claims. (Cl. 257—92)

2. In a manifold of the class described, a dished member and a disc shaped member and a plurality of scoops disposed between said members, each of said scoops having a scooping wall adapted to run substantially through the radial distance of said members and form a separating wall within the space between said members, said scoop having also a retaining wall forming a continuation of said scooping wall and adapted to run through a portion of the radial distance of the manifold, and diverging from said scooping



wall as the distance from the said walls from the center of the manifold increases, said scoops having also side walls uniting the scooping and retaining walls to each other.

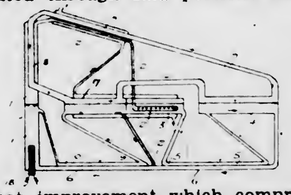
2,002,957
EXPLOSION AND COMBUSTION MOTOR
Cesare Longobardi, Rome, Italy
Application March 30, 1933, Serial No. 663,612
In Italy April 6, 1932
3 Claims. (Cl. 123—51)



1. A combustion motor comprising open-ended casings having slots through the casings and extending longitudinally thereof, a series of pistons within each casing, successive couples of said pistons forming with the walls of the casing a combustion chamber between the members of the couple, the corresponding pistons of each couple having the same motion, and the two pistons of each couple having opposite motion, pins integral with the pistons projecting from each casing through said slots, coupling bars attached to the pins of corresponding pistons having the same motion.

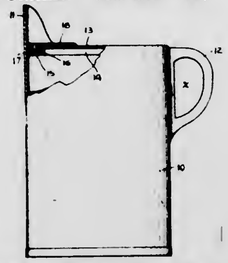
2,002,958
ABSORPTION REFRIGERATING APPARATUS AND METHOD
Guido Maiuri, London, England, assignor, by mesne assignments, to Electrolux Servel Corporation, a corporation of Delaware
Application February 25, 1928, Serial No. 256,993
In Great Britain February 25, 1927
11 Claims. (Cl. 62—119.5)

8. In a cycle of refrigeration including the evaporation from solution into inert gas, absorption therefrom, generation, and reabsorption of refrigerant fluid, in which cycle absorption liquid is circulated through said portions thereof in



series, that improvement which comprises circulation of additional absorption liquid through the absorption and generation portions of said cycle independently of the evaporation portion.

2,002,959
LIQUID DISPENSING RECEPTACLE
Helen M. Matters, Omaha, Nebr.
Application December 9, 1933, Serial No. 701,625
4 Claims. (Cl. 221—11)



1. In devices for the purpose described, a receptacle having an upright cylindrical wall, a transversely curved spout projecting from and disposed in alignment with a part of said cylindrical wall, a handle opposite the spout on a part of the cylindrical wall, the top of said receptacle being provided with a slot having a curvature corresponding approximately to the curvature of the spout and disposed closely adjacent thereto, and a closure-member adapted to fit snugly in the slot and provided with a lifting-plate normally engaging the top of the receptacle.

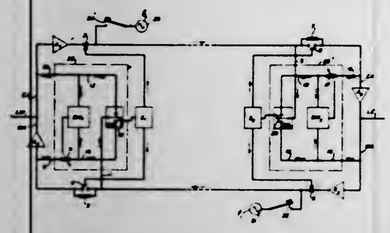
2,002,960
PRIMING MIXTURE
Joseph D. McNutt, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
No Drawing. Application November 18, 1933, Serial No. 698,688
6 Claims. (Cl. 52—4)

1. A priming mixture comprising basic lead trinitroresorcinol and lead dinitrophenylazide.

2,002,961
TRANSMISSION CONTROL IN SIGNALING SYSTEMS
Nathaniel C. Norman, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1933, Serial No. 704,124
4 Claims. (Cl. 179—170)

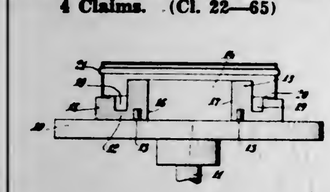
1. In combination, a four-wire circuit comprising two oppositely directed one-way paths for repeating signals in opposite directions between two two-way circuits, a switching device connected to one of said paths near its output and

responsive to signals therein to disable the other one-way path, and control means connected both to said one path near its output and to said other path near its input, which when operated disables said switching device, said control means being adjusted so as to be unoperated when signals are impressed thereon from said one path



and only echoes of said signals are impressed thereon from said other path, and to operate in response to energy received from said other path when outgoing signals received from the associated two-way circuit are present in the input of said other one-way path, and incoming signals are simultaneously present in the output of said one one-way path.

2,002,962
CENTRIFUGAL CASTING MACHINE AND METHOD
William D. Sargent, Newark, N. J., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del., a corporation of Delaware
Application November 6, 1931, Serial No. 573,353
4 Claims. (Cl. 22—65)



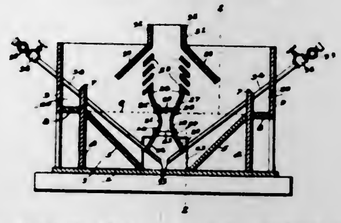
1. A casting device comprising rotatable means for supporting a mold, said means being formed with a plurality of annular troughs of smaller diameter than the mold to receive metal to be directed into the mold by centrifugal force due to its rotation.

4. The method of centrifugal casting which comprises pouring molten metal into a stationary annular trough of relatively small cross section and great circumferential length, rotating said metal about a long radius by rotating said trough and substantially simultaneously and uniformly accelerating all metal in the trough, and substantially simultaneously discharging all the metal radially and uniformly into a closely adjacent encircling rotating mold.

2,002,963
FROZEN CONFECTION
Floyd L. Schade, Kansas City, Kans.
No Drawing. Application July 27, 1932, Serial No. 625,201
7 Claims. (Cl. 99—16)

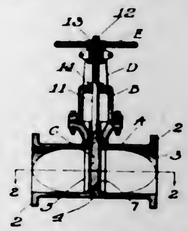
1. A frozen confection including a potable liquid, containing milk and sugar and having added thereto, agar-agar, gelatine and glycerine.

2,002,964
VENTURI FLOTATION METHOD
Walter Leon Sheeler, Vancouver, British Columbia, Canada
Original application January 23, 1930, Serial No. 422,880, now Patent No. 1,916,020, dated June 27, 1933. Divided and this application May 20, 1931, Serial No. 538,740. In Canada August 28, 1929
4 Claims. (Cl. 209—165)



1. A shallow depth and low pressure venturi mineral flotation method, which comprises, forming from the pulp body a plurality of separate short upright and laterally confined annular streams of the pulp solution opening from said pulp body to prolong contact of the solid values with the re-agent and frothing agent, and each stream discharging above and down onto said pulp body in unrestricted bulk flow in permeating said streams with a gaseous agent at low pressure and in sufficiently large volume to render said streams ascendently buoyant and form mineral collecting bubbles therein as said streams ascend, in annularly constricting the ascending streams at a given elevation below the point of discharge of said streams onto said pulp body to break up large bubbles and accelerate the rate of flow and thereafter expanding said streams in exposure to atmosphere to froth the same and slow up the rate of ascending flow, by venturi action, whereby the resulting differential of flow will diffuse the gaseous agent through said streams and break up the larger bubbles.

2,002,965
THROTTLE VALVE
Frank J. Smith, Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 13, 1933, Serial No. 656,451
8 Claims. (Cl. 137—75)



1. A throttle valve comprising, a body shell having a rectangular cross section, and a valve gate adapted for movement transversely of the axis of said shell, said shell being formed with a convex and cylindrical seat for said gate protruding within said rectangular cross-sectional portion of said shell, the contacting and lower end of said gate being convex and cylindrical and lying parallel with said seat throughout the entire range of movement of said gate.

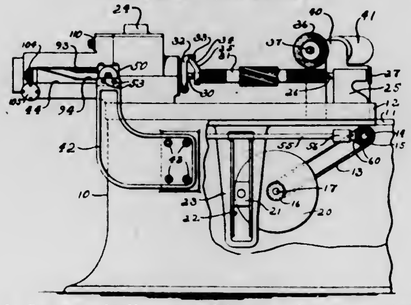
2,002,966
METHOD OF AND APPARATUS FOR EXTRUDING TUBES AND OTHER ELONGATED SHAPES
Stanley W. Sparks, Norwalk, Conn., assignor to Charles H. Bickell, trustee, representing Metals Research Syndicate, New York, N. Y.
Application November 12, 1932, Serial No. 642,469
7 Claims. (Cl. 207—3)



1. The method of extruding tubular shapes, which comprises introducing a metal blank heated to a plastic condition into an elongated extrusion chamber having an open end, positioning a mandrel in the open end of said chamber and in symmetrical spaced relation with respect to the inner wall thereof; then, while maintaining the other end of said chamber in a sealed condition, causing the movement of said chamber and the blank carried therein longitudinally with respect to such mandrel while effecting the extrusion of the metal of said blank through the space between the end of the mandrel and the adjacent wall of metal surrounding the mandrel adjacent the end thereof, confining the extruded shape as it issues from said chamber and pending a complete ejection therefrom within a metallic tubular guide, removing said extruded shape from said tubular guide and also removing the mandrel from the extruded shape and recovering the latter.

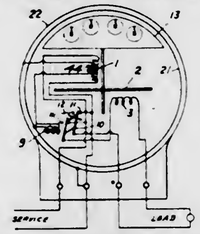
5. In an extrusion apparatus, the combination of a rotatable die container having a central die therein that is adapted to rotate with said container, means for rotating said container, a mandrel adapted to be projected into one end of said die, means for advancing and retracting the same towards and from said die, means for advancing and retracting said container and thereby effecting the extrusion of a blank confined within said die into a tubular shape of the desired configuration, means adapted to engage the extruded portion of the tubular shape for effecting the withdrawal of such extruded shape from the die and means for completely sealing one end of said container during the actual extrusion operation.

2,002,967
GRINDING APPARATUS
Robert Edwin Spurr, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 3, 1933, Serial No. 678,914
13 Claims. (Cl. 51—95)



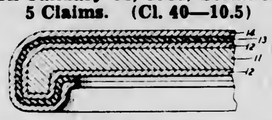
1. In a grinding machine, a frame, a table mounted for reciprocation on said frame, a drive shaft journaled on said frame, means operable by said drive shaft for reciprocating said table, a grinding tool journaled on said frame, means for rotating said tool, work holding means for journaling a piece of work relative to said frame and in operative relation with respect to said grinding tool, said work holding means including a shaft journaled on said table, means for connecting said second shaft to the work piece for even rotation therewith, a sleeve journaled on said second shaft and provided with a cam surface, a stud fixed relative to said frame and engaging said cam surface for causing rotation of the sleeve upon reciprocation of the table, a member fixed to said second shaft and provided with openings therein, a lock member carried by said sleeve and cooperable with the openings in said last-named member for locking the latter relative to the sleeve, and means operable by said drive shaft for withdrawing said lock member from an opening in the member fixed to said second-named shaft and for causing rotation of said second shaft and the work piece independently of said sleeve at a limit of the reciprocation of said table.

2,002,968
ANTITAMPERING METER
Walter C. Wagner, Ardmore, Pa., and George B. Schleicher, Clementon, N. J.
Application August 16, 1933, Serial No. 685,403
6 Claims. (Cl. 171—34)



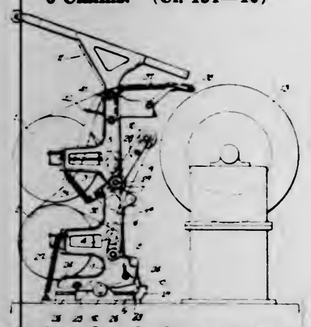
1. An induction watthour meter comprising the combination with its operating elements and their circuits of a metal base and cover, an insulated metallic shell and having a voltage applied between said cover and said shell, a low-voltage winding of a transformer for supplying said voltage and a relay interposed in said low-voltage circuit.

2,002,969
NUMBER PLATE FOR TELEPHONE DIALS
Walter W. Werring, Brooklyn, N. Y., and Trevor S. Huxham, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1934, Serial No. 709,148
5 Claims. (Cl. 40—10.5)



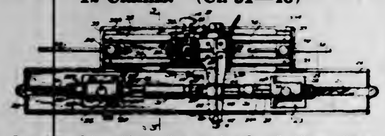
3. A number plate for telephone dials comprising a disc-like base plate having a peripheral lip, an envelope of cellulose material in which said plate is enclosed, a character bearing film of cellulose material and a film of transparent cellulose material, said character bearing and transparent films being united to each other and covering the upper surface and lip portion of said enclosed base plate.

2,002,970
APPARATUS FOR THE MANUFACTURE OF PNEUMATIC TIRES
Harry Willshaw, Wylde Green, and Frank Arthur Davenport, Erdington, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y.
Application August 3, 1934, Serial No. 738,196
In Great Britain June 10, 1933
6 Claims. (Cl. 154—10)



1. Apparatus for building pneumatic tires comprising a forming drum, a frame movable toward and from said drum, a stock roll and feeding mechanism mounted on said frame, and a driving mechanism mounted on said frame to rotate said feeding mechanism and stock roll and comprising means to contact with the surface of said drum when said frame is moved toward said drum and to be free of said drum when said frame is moved away from said drum.

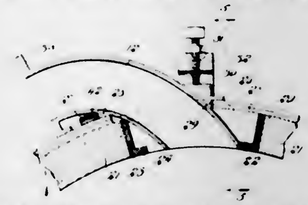
2,002,971
REAMER SHARPENER
Herman W. Zimmerman, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1932, Serial No. 626,357
12 Claims. (Cl. 51—48)



1. In combination in a tool of the class described, means for rotatably supporting the reamer in substantially horizontal position, a grinding carriage mounted for movement along the axis of the reamer, means for limiting movement of said carriage, a grinding wheel supported by said carriage, means for predetermining the position of each reamer blade with respect to the grinding surface of said wheel, and means for gauging predetermined positions of said reamer blade positioning means.

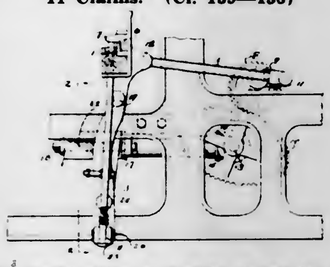
2,002,972
APPARATUS FOR MAKING PORTLAND CEMENT
Thorkild Avnsoe, Bellerose, N. Y., assignor to International Cement Corporation, New York, N. Y., a corporation of Maine
Original application December 26, 1931, Serial No. 583,268. Divided and this application December 29, 1932, Serial No. 649,253
6 Claims. (Cl. 222—7)

1. An apparatus of the type defined, comprising a kiln with a metal shell and a refractory lining, an opening in said shell registering with an overlapping portion of an opening in said refractory lining, a flanged hollow member fixed to the inner surface of said shell and offset from a portion of the opening in the shell, a feed pipe fixed to the outer surface of said shell and a



removable connection between one end of said pipe and the kiln, said connection being adapted to pass through the registering portions of said openings, and means for retaining said removable connection upon the shell.

2,002,973
SHUTTLE MOTION
Robert J. Bartholomew, Germantown, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1931, Serial No. 545,746
11 Claims. (Cl. 139—136)

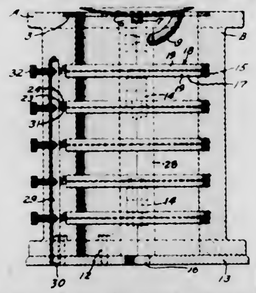


1. In combination, a batten, a batten rack, a lever connected to the rack, a slotted pivotally mounted block connected to the lever, a crank for driving the block, an eccentric gear connected to the crank, an eccentric gear for driving the first mentioned eccentric gear, a crank on the shaft of the second mentioned eccentric gear connected to the batten for driving the same, said block crank making one complete revolution to each two revolutions of the batten crank.

2,002,974
FRACTIONATION DEVICE AND METHOD FOR EMPLOYING THE SAME
Charles A. Bennett, Stoneville, Miss., and George E. Gaus, Washington, D. C.; dedicated to the free use of the Public
Application November 26, 1934, Serial No. 754,830
1 Claim. (Cl. 19—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a device of the character described, comprising a base having an exhaust port formed therein; a vertical sectional cylindrical chamber hingedly connected and provided with locking means with one of its sections affixed to said base; a boss having a duct formed therein and integral with the outer wall of said affixed section; said duct having its induction port in said base, and a plurality of valve controlled eduction ports formed in the interior walls of said affixed section; said chamber having horizontally encircling

recesses formed on its inner wall and abutting said eduction ports; a plurality of circular bisectioned trays, comprising screen cloth, and an induction port formed on the periphery thereof and communicating with a channel having eduction ports formed in the interstices of said screen cloth; means on the periphery of said trays for preventing leakage of air; means for alining, and means for slidably mounting said trays within said chamber; a circular concave baffle plate, of



lesser diameter than the bore of said chamber, detachably mounted on the upper end thereof; an inductor tube having its eduction port terminating at an opening provided off center in said baffle plate and having its induction port formed in the wall of the affixed section of said chamber; a dome-like substantially transparent receptacle with a diameter substantially equal the bore of said chamber and adapted to surmount said baffle plate, and means for detachably mounting said receptacle on said chamber.

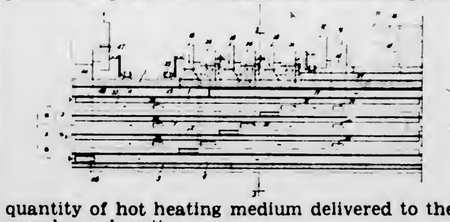
2,002,975
TWISTED STRANDS AND THE METHOD OF PRODUCING SAME
Winfred M. Brooks, West Orange, N. J.
Application November 21, 1933, Serial No. 698,954
3 Claims. (Cl. 117—52)



1. As a new article of manufacture: a strand consisting of a flat and one or more round wires twisted together, the round wire or wires lying throughout in one and the same helically extending trough formed by one face of the flat wire, the other face of the flat wire being naked throughout.

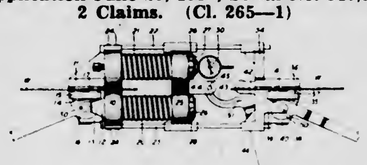
2,002,976
BAKING OVEN
Ralph Byron, New York, N. Y., assignor to J. O. Ross Engineering Corporation, New York, N. Y., a corporation of New York
Application July 27, 1934, Serial No. 737,233
11 Claims. (Cl. 107—55)

1. In a baking oven, an oven chamber in combination with a source of heating medium supply, a duct lengthwise of the oven to receive the hot heating medium, individual units comprising a blower, mixing chamber and ducts communicating with said hot heating medium duct and with said oven, said units stationed at predetermined points along the oven, means for controlling the



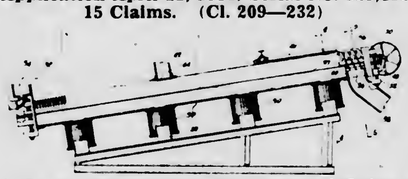
quantity of hot heating medium delivered to the oven by each unit.

2,002,977
DYNAMOMETER
James A. Carr, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1931, Serial No. 547,507
2 Claims. (Cl. 265—1)



1. In a device of the kind described, a frame having a fixed clamping member and a movable clamping member, a block slidable upon said frame between the clamping members, spring means between the fixed clamping member and said block, said spring means being anchored at its ends to said fixed clamping member and said block respectively, a gauge for indicating the tension of said spring means, a tensioning cam lever connecting said slidable block and movable clamping member for drawing them toward each other against the tension of said spring means and thereby transferring the tension in the specimen held by the clamping members to said spring means.

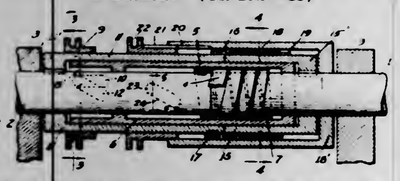
2,002,978
APPARATUS FOR CONCENTRATING ORES
Edward Wilson Davis, Minneapolis, Minn.
Application April 11, 1931, Serial No. 529,412
15 Claims. (Cl. 209—232)



1. In an ore concentrator, means defining an inclined elongated agitating zone having a liquid and tailings overflow at the lower end and a concentrate discharge at the upper end, magnetic means disposed adjacent said zone to establish therein a magnetic field varying in intensity from one side of said zone to the other, means for so agitating a liquid pulp fed to said agitating zone as to move the magnetizable values contained therein toward the stronger portion of said magnetic field and for conveying them upwardly through said zone to a concentrate discharge, said magnetic means being so disposed with respect to said agitating zone as to cause the mag-

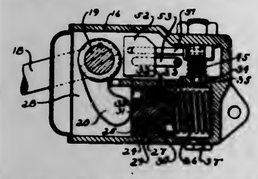
netizable values to assume a path in their travel upwardly toward the concentrate discharge substantially completely separate from that of the non-magnetic materials contained in the portions of the liquid pulp that flow downwardly through said agitating zone toward the liquid and tailings overflow and said agitating means being adapted to agitate said pulp less violently in the lower end of said zone than in the upper end thereof.

2,002,979
CLUTCH
Franklin C. Fisher, Los Angeles, Calif., assignor, by direct and mesne assignments, of twenty per cent to Alfred W. Knight, San Marino, Calif., twenty per cent to Washington R. Freeman, Los Angeles, Calif., 20 per cent to Louis B. Girard, Los Angeles, Calif., and twenty per cent to J. Royden Estey, South Pasadena, Calif.
Application February 16, 1931, Serial No. 515,906
5 Claims. (Cl. 192—48)



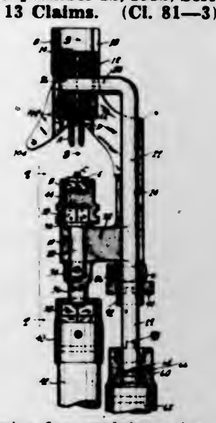
5. In combination, a driving element, a driven element and two reversely operating helical spring means cooperating with said elements to provide for driving the driven element in either direction and to automatically prevent the driven element becoming the driving element upon reversal of relative motion of said elements in either direction of rotation, each helical spring means having one end positively connected to one of said elements in drive communicating relation and having its other end in light frictional engagement with the other of said elements, and means operatively associated with each of said spring means at said other end for forcibly releasing either of said helical spring means from such light frictional engagement.

2,002,980
SHOCK ABSORBER
William M. Giesen, Detroit, Mich.
Application May 31, 1933, Serial No. 673,710
12 Claims. (Cl. 267—8)



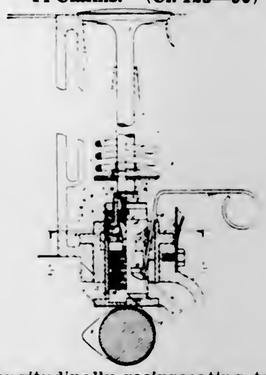
6. In a vehicle having relatively movable sprung and unsprung parts, a fluid pressure shock absorber including a piston and cylinder having fluid medium therein for yieldably opposing movement of said parts in at least one direction, said cylinder being provided with an outlet, a valve in said outlet adapted to be closed by the pressure in said cylinder, mechanism normally holding said valve against closing under the influence of said pressure, and means operable by centrifugal action when said vehicle is deviated from a straight course for rendering said valve holding mechanism inoperative.

2,002,981
WIRE CONNECTER TOOL
Joseph R. Halladay, Alliance, Ohio, assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application September 12, 1932, Serial No. 632,775
13 Claims. (Cl. 81—3)



1. In a device for applying wire connecters of bolt and nut type, a frame having a lateral opening, aligned wrench members disposed at opposite sides of said opening and adapted, respectively, for engaging a bolt and nut of the connecter to be applied, means for reciprocating one of said wrench members toward and from said wire opening, means for rotating one of the wrench members to effect threaded connection of the connecter-bolt and -nut, a wire-receiving seat formed on said frame adjacent said opening, and wire guiding members, directed from said opening toward said seat.

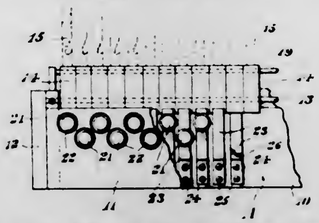
2,002,982
SELF-ADJUSTING VALVE-OPERATING TRANSMISSION DEVICE
Edwin B. Hudson, Middletown, Ohio
Application March 25, 1932, Serial No. 601,224
14 Claims. (Cl. 123—90)



1. A longitudinally reciprocating transmission device comprising longitudinally relatively movable members having opposed surfaces converging transversely to the line of relative movement of the members, a locking element between said surfaces, and a wedging member actuated incident to reversal of movement of the device at one end of its stroke for moving said locking element

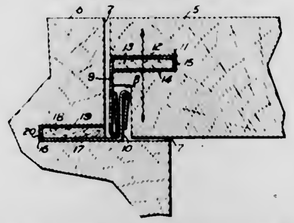
in the direction of convergence of said surfaces and actuated incident to reversal of movement of the device at the other end of its stroke for releasing said element from said surfaces.

2,002,983
RACK FOR HOLDING TWIST DRILLS
Frank L. Johnson, Brattleboro, Vt.
Application July 10, 1933, Serial No. 679,786
2 Claims. (Cl. 211—69)



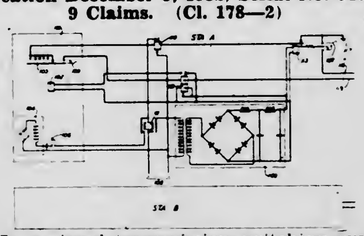
1. A holder for drill bits of different sizes comprising a casing including a top and bottom wall, a plurality of independently pivoted sockets for receiving the drill bits, spring means engaging each socket for normally holding the sockets against swinging movement, resilient key bars mounted in the casing normally arranged about the rear ends of the drill sockets in rear of the pivot points thereof, and keys for operating the resilient key bars slidable through the top wall of the casing.

2,002,984
WEATHER STRIP
Joseph E. Johnson, Boston, Mass.
Application November 23, 1932, Serial No. 644,003
2 Claims. (Cl. 20—69)



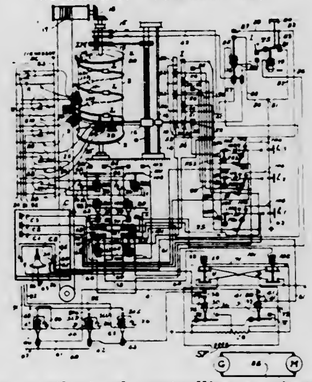
1. In a window or door structure, the combination of two members which are relatively movable, one toward and from the other, one member being a casing provided with a rabbet and the other being a closure one edge of which is received within said rabbet, said closure being provided in said edge with a rabbet leading from its inner face, said closure being provided also with a groove, disposed outwardly with relation to the second-mentioned rabbet and extending transversely of the direction of movement of said closure, two metallic weather strips associated with said members, respectively, and extending in the direction of relative movement of said members, said strips overlapping each other within the second-mentioned rabbet, one of said strips being carried by said closure and, with the second-mentioned rabbet, forming a groove which extends in said direction from the inner face of said closure outwardly, and the other strip being secured to said casing and extending outwardly into the last-mentioned groove, the strip carried by said closure being provided with a flange extending transversely of said direction, and received within the first-mentioned groove, and presenting a channel within the first-mentioned groove, and a filler also received within the first-mentioned groove and within said channel and fixedly securing said flange therein.

2,002,985
AUTOMATIC PRINTING TELEGRAPH EXCHANGE SYSTEM
George A. Locke, Glenwood, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1932, Serial No. 646,368
9 Claims. (Cl. 178—2)



1. In a signal transmission switching system, the combination of a plurality of sending stations, a plurality of receiving stations, and an auxiliary sending and receiving station, rotary devices individual to each of said sending stations for selecting any one of said receiving stations, a normally deenergized circuit extending from each of the sending stations to each of said devices, operating means at each of said sending stations arranged when operated by a single movement, to close one of said circuits and to thereby cause one of said devices to automatically select an idle one of said receiving stations for connection to said one of said circuits, and means connected to each of said rotary devices and adapted when all receiving stations are busy, for connecting said auxiliary station to the sending station connected to the last operated rotary device.

2,002,986
SYSTEM OF CONTROL FOR ELEVATORS
Samuel N. Rubin, Astoria, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa., a corporation of Pennsylvania
Application November 8, 1930, Serial No. 494,280
46 Claims. (Cl. 187—29)



1. The method of controlling a circuit controller in accordance with position of a car mov-

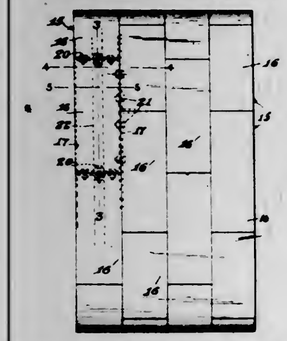
able in a pre-determined path which consists in energizing an electrical inductor when the car is at pre-selected points, traversing said inductor by a search coil movable in accordance with the car, and utilizing current induced in said search coil by said inductor to close a car running circuit to reverse movement of the car and return it to a landing when, if during loading and unloading it should move in either direction away from a level therewith.

2,002,987

REENFORCEMENT FOR TUBULAR AND LIKE STRUCTURES

Walter F. Schuls, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan

Application April 29, 1932, Serial No. 608,323
19 Claims. (Cl. 61—45)



1. In a structure of the character set forth, the combination with wall plates located end to end, of reenforcing girder members located along intermediate portions of the plates between their sides, and common means securing adjacent plates together and securing the girder members to the plates.

2,002,988

PREPARATION OF METHYL-ANTHRAQUINONE

Louis Spiegler, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 19, 1934, Serial No. 707,335
5 Claims. (Cl. 260—57)

1. In the purification of 2-methyl-anthraquinone, the step which comprises treating it with a water soluble oxidizing agent under conditions more mild than those leading to the oxidation of the methyl group.

2,002,989

HAIR WAVING METHOD

Paul R. Steinbach, Lakewood, Ohio, assignor to The Realistic Permanent Wave Machine Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application June 9, 1932, Serial No. 616,359
4 Claims. (Cl. 132—36)

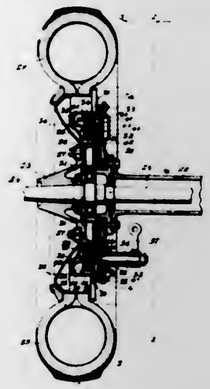
1. The method of waving hair which comprises moistening the hair with a solution containing a material capable of removing a small amount of cystenic acid and a material capable of removing substantially all of the free sulphur in the hair, and heating the moistened hair.

2,002,990

VEHICLE BRAKE

Herbert E. White, Cleveland, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan

Application August 14, 1931, Serial No. 557,168
5 Claims. (Cl. 188—72)



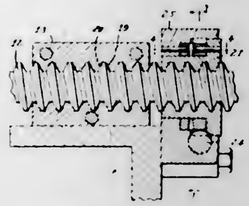
1. The combination with a fixed support, of a wheel journaled thereon, interleaved relatively rotatable brake plates carried respectively by the support and wheel, means for pressing the plates together to create braking resistance to their relative rotation, and an abutment for said brake plates located between the inner and outer edges of both relatively rotatable plates and permitting a rocking movement of the plates to accommodate radially disposed differences in thickness of said disks.

2,002,991

BACKLASH REMOVER

Charles B. De Vlieg, Jackson, Mich., assignor to Associated Patents, Inc., Cincinnati, Ohio, a corporation of Ohio

Refiled for abandoned application Serial No. 316,504, November 1, 1928. This application October 31, 1932, Serial No. 640,561
19 Claims. (Cl. 90—22)



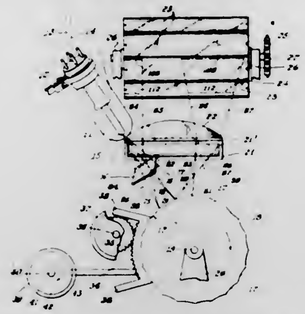
10. In combination, a screw, a nut therefor, means causing rotation between said screw and said nut, a supplemental nut for said screw, automatic means acting independently of the first-named means exerting rotative force upon said supplemental nut for changing the distance relation between the said nuts, said automatic means including means whereby said rotative force acts in one direction for either direction of rotation of said first named means, and holding means resisting end thrust between said screw and said nuts in such changed distance relation.

2,002,992

TELEVISION METHOD AND APPARATUS

Harold P. Donle, Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y., a corporation of New York

Application April 1, 1932, Serial No. 602,539
9 Claims. (Cl. 178—6)



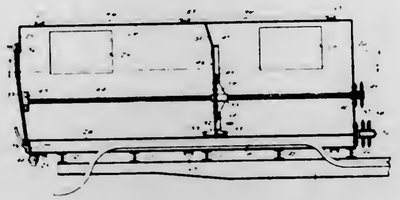
1. In an apparatus for scanning a visual image, a concentrated light source capable of modulation, a line scanning device comprising a rotatable element carrying fixed thereon a plurality of concave cylindrical reflectors whose axes of curvature are contained in planes common to their axis of rotation, and a field scanning device comprising a rotatable element carrying fixed thereon a plurality of concave cylindrical reflectors whose axes of curvature are contained in planes common to their axis of rotation, said light source and rotatable elements being arranged to form a scanned image suitable for direct viewing by the eye of an observer.

2,002,993

REFUSE-COLLECTION DEVICE

William F. Ehrick and Ralph A. Garverick, Marion, Ohio, assignors to The Marion Steel Body Company, Marion, Ohio, a corporation of Ohio

Application July 26, 1934, Serial No. 737,085
5 Claims. (Cl. 296—24)



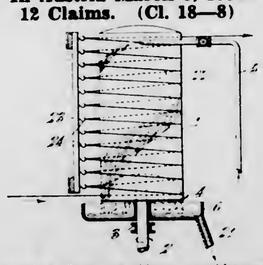
1. In combination, a motor vehicle having a completely enclosed receptacular body of substantially uniform internal cross-section, a plurality of screws within said body extending parallel with each other, through substantially the entire length of said body, passing through the front wall thereof and provided with driving means in front of said front wall, means for rotating said screws in unison in either direction, a compressor plate within said body, nuts non-rotatably carried by said compressor plate and receiving said screws and a guide roller carried by the lower portion of said plate and positioned rearwardly of said nuts and at all times insuring spacing of said plate slightly from the bottom of said body.

2,002,994

CONTINUE PROCESS AND APPARATUS

August Hartmann, Berlin-Lichterfelde, Walter Hoefinghoff, Hohenlimburg Obernahmer, and Gotthard Bauriedel and Walter Ostermann, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

Application January 6, 1933, Serial No. 650,512
In Austria March 5, 1932
12 Claims. (Cl. 18—8)



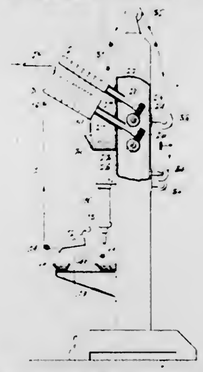
7. In a device for treating continuous lengths of formed filaments, in combination, a helically grooved roller, means for guiding filaments thereover, and means for passing treating liquid through said grooves, in a direction at an angle to the direction of movement of said filaments.

2,002,995

CONTINUE PROCESS APPARATUS

August Hartmann, Berlin-Lichterfelde, Walter Hoefinghoff, Hohenlimburg Obernahmer, and Alex Luchtenberg and Hubert Kempf, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

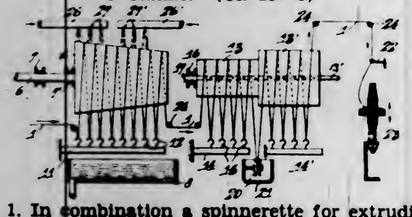
Application January 6, 1933, Serial No. 650,513
In Austria March 5, 1932
3 Claims. (Cl. 18—8)



1. In a spinning machine for producing and treating continuous lengths of artificial filaments, comprising, a spinning frame having spinning apparatus arranged on one side thereof, driven rollers positioned directly above said spinning apparatus, said rollers so constructed as to pass filaments drawn from said spinning apparatus from one end of said rollers to the other, means directly above said rollers for supplying treating liquid to said filaments while passing around said rollers, means to guide said filaments vertically upwardly and over said spinning frame, collecting means on the opposite side of said frame to which said filaments are

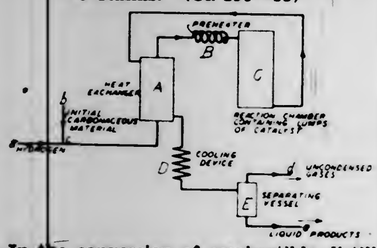
passed vertically downwardly, and a drying roller positioned directly above said collecting means over which said filaments pass, and means to drive said collecting means.

2,002,996
CONTINUE PROCESS AND APPARATUS
Walter Hoefinghoff, Hohenlimburg Obernahmer, and August Hartmann, Berlin-Lichterfelde, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application January 6, 1933, Serial No. 650,514
In Austria March 5, 1932
5 Claims. (Cl. 18—8)



1. In combination a spinnerette for extruding filaments of artificial origin, a series of cylinders, means for guiding the filaments from said spinnerette to said cylinders, means for guiding the filaments around said cylinders in a helical path, means for wet-treating and drying the filaments during their passage of the cylinders, the drying being accomplished in steps on a plurality of said cylinders, the cylinders being heated, and means for remoistening the filaments between said cylinders.

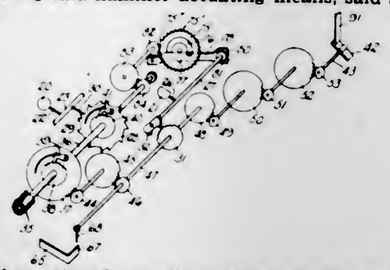
2,002,997
DESTRUCTIVE HYDROGENATION OF CARBONACEOUS MATERIAL
Paul Herold and Hermann Kaufmann, Leuna, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application October 23, 1931, Serial No. 570,760
In Germany October 31, 1930
6 Claims. (Cl. 196—53)



1. In the conversion of combustible distillable carbonaceous materials by catalytic destructive hydrogenation at a temperature between 300° and 700° C. and under a pressure above 20 atmospheres, the step of working with a catalyst comprising a compound selected from the group consisting of the isopoly acids and metallic complex acids of molybdenum and tungsten and the salts of the said acids.

2,002,998
ALARM CLOCK
Christian Jauch, Winsted, Conn., assignor to William L. Gilbert Clock Company, Winsted, Conn., a corporation of Connecticut
Application April 6, 1933, Serial No. 664,730
3 Claims. (Cl. 58—16)

1. In an alarm clock, a hammer for giving a gentle audible signal, actuating means for imparting a slow beat to said hammer, a second hammer for giving a more disturbing signal, actuating means for imparting a fast beat to said second hammer, driving means common to both of said hammer actuating means, said sec-



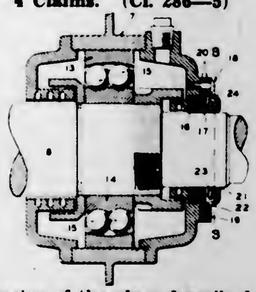
ond mentioned actuating means including an actuating part and an actuated part relatively movable into and out of operative relation, and means driven in timed relation to said first mentioned actuating means for controlling said second actuating means.

2,002,999
CLASP
Helen H. Jones, Cranston, R. I.
Application October 11, 1933, Serial No. 693,164
5 Claims. (Cl. 24—163)



1. A clasp device comprising, a flexible and bendable member formed with terminal throat openings in its extreme upper and lower edges, oppositely located and separate bendable members at the lower edge, the lower opening being normally closed, said oppositely located and separate bendable members extending beyond the extreme lower edges of the lower throat opening.

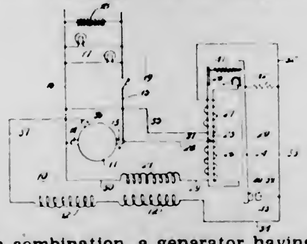
2,003,000
SEAL FOR DYNAMO ELECTRIC MACHINES
Walter Frederick Kelpe, St. Louis County, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 10, 1930, Serial No. 501,192
4 Claims. (Cl. 286—5)



1. In a device of the class described, the combination of a machine casing, a rotor shaft mounted in a bearing in a wall of said casing and

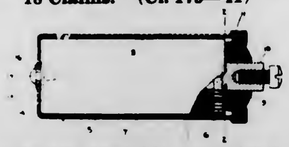
projecting exteriorly beyond said casing, the interior of said casing being subject to a sub-atmospheric pressure which causes air to be drawn in through said bearing, and means for preventing liquid which may collect on the exterior portion of said shaft from being drawn into the casing with the air to the detriment of elements in the casing, said means comprising a liquid guard secured to the exterior of the casing and spaced from said bearing and surrounding said shaft and forming therewith a gap of a size to sustain a capillary column, said guard being provided with means other than the gap for permitting the passage of air from the exterior of the guard to the interior of the casing through the bearing to thereby prevent the establishment of a pressure differential between the exterior and the interior of the guard which would cause air to be drawn through the gap.

2,003,001
VOLTAGE REGULATING DEVICE
Bennett M. Leece, Cleveland, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application January 5, 1934, Serial No. 705,409
7 Claims. (Cl. 171—229)



1. In combination, a generator having a main field, an auxiliary field winding opposing said main field, and a regulator having a plurality of magnet coils energized from said generator and vibratory means responsive to said coils for varying the ampere turns of said main field, one of the magnet coils being in the circuit of the auxiliary field winding and another of said coils being in a circuit which is affected by the operation of said vibratory means.

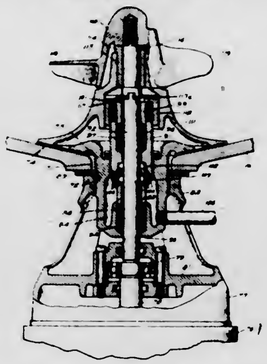
2,003,002
ELECTRICAL CONDENSER
Thomas L. Lee, Rochester, N. Y., assignor to North East Appliance Corporation, Rochester, N. Y., a corporation of New York
Application January 2, 1930, Serial No. 418,101
18 Claims. (Cl. 175—41)



1. A condenser assembly comprising: a condenser of the rolled type, a tubular sheet-metal housing enclosing the condenser and having an integral closed end, a sheet-metal connector lying against said closed end and provided with projections engaging the end of the condenser, a hollow rivet connecting the connector with said end of the housing, and a plug driven into and closing the opening through said rivet.

12. A condenser comprising, in combination, a condenser subassembly comprising a cylindrical body of condenser material including foil strips and insulating strips, a case subassembly for enclosing the condenser subassembly comprising an open ended tube having a closed end, and a connector carried by its closed end, a closure subassembly secured in the open end of the case subassembly comprising a nonconducting head member, a metal member extending through the head member and secured thereto, and a connector carried by said metal member adapted to be connected with a condenser foil, means provided by the case subassembly for securing the closure subassembly thereto and for causing both of the connectors to electrically engage one each of the foil strips.

2,003,003
DISHWASHER
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 11, 1931, Serial No. 574,253
4 Claims. (Cl. 141—9)

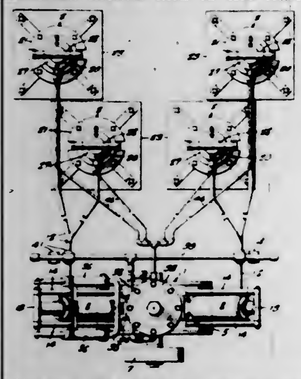


1. In a washer including a container having an opening in the bottom wall thereof, a bushing structure in the opening and a motor-driven shaft extending upwardly through the bushing structure, and an impeller structure supported on the bottom wall of the container and including a supporting conical sleeve interfitting with bushing structure, an impeller and a driving shaft therefor supported by said sleeve, said shaft having a loose driving engagement with the motor-driven shaft.

2,003,004
HYDRAULIC PUMPING UNIT
James W. McQuaid, Overton, Tex.
Application November 22, 1933, Serial No. 699,275
1 Claim. (Cl. 60—54.5)

A hydraulic transmission system comprising a series of hydraulically driven elements, pipes connected to said elements, hydraulic cylinders grouped radially with respect to one another and each connected with one of said pipes, pistons operating in said cylinders, a common crank case supporting said cylinders, a power shaft journaled in said crank case, means between the pistons and the power shaft to reciprocate said pistons, a supply reservoir mounted on the crank case, fluid release means for said driven elements and connected to said reservoir, pumps mounted on one of said first-named cylinders and actuated by the piston of the latter, a manifold means connecting said pumps to the reservoir and to the pipes, check valves for said manifold means, and

a manually controlled bypass means connected to the manifold means and to the fluid release



means adjacent the latter's connection to the reservoir.

2,003,005

METHOD OF REMOVING SPRAY RESIDUE FROM FRUIT

Harry C. McLean and Albert L. Weber, New Brunswick, N. J., assignors to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey

No Drawing. Application October 27, 1933, Serial No. 695,505
16 Claims. (Cl. 146—219)

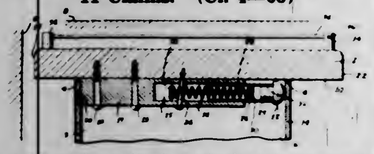
1. A method of washing fruit and the like to remove spray materials from the surface thereof which includes applying to the fruit a solution containing a small proportion of hydrochloric acid and an alkali metal salt of a sulphonated hydrocarbon.

2,003,006

WATER TANK COVER

Barnett Samuel Michelson, Boston, Mass.

Application April 11, 1933, Serial No. 665,543
11 Claims. (Cl. 4—68)



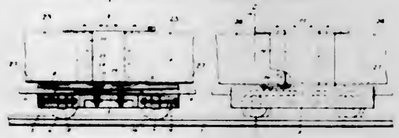
1. A cover for a flush tank that is provided with substantially vertical walls one of which is adapted to be secured to a building wall, one side of the cover being adapted to engage against the said building wall, the cover being provided with an inner, substantially flat, face that is adapted to rest in substantially horizontal position on the said vertical walls to close the flush tank, a support of less width than the width of the tank being secured to said inner face and having a bore that is horizontally disposed when the cover rests on the said vertical walls, a coiled spring one end of which is horizontally disposed in the bore, a plunger connected with the other end of the spring and extending horizontally beyond the support, the plunger being adapted by the spring to bind yieldingly against an inner wall of the flush tank that is disposed opposite to said one wall, whereby the yielding action of the spring will cause the said side of the cover to engage yieldingly against said building wall in order to hold the cover yieldingly in horizontal position on the flush tank, the cover being adapted to be removed from the flush tank in opposition to the yielding binding action of the spring, and means for adjusting the spring to vary the binding action of the plunger.

2,003,007

MATERIAL HANDLING SYSTEM FOR MINES

Edmund C. Morgan, deceased, late of New York, N. Y., by Olive Eugenie Morgan, executrix, New York, N. Y., assignor to American Morgan Company, a corporation of Delaware

Original application February 17, 1923, Serial No. 619,588. Divided and application December 9, 1927, Serial No. 238,877. Again divided and this application June 1, 1933, Serial No. 673,868
24 Claims. (Cl. 105—1)



7. A trough train comprising a plurality of flexibly coupled truck frames, a continuous trough comprising a plurality of sections each flexibly connected at its ends to said truck frames, longitudinally disposed friction devices for engaging the upper surfaces of the material in the trough to retain it in carrying position, and springs located at the sides of the trough for urging downwardly the said friction devices against the upper surfaces of such material.

2,003,008

HINGING-LOCKING MECHANISM

Albert Henry Franks Perl, Birmingham, England

Application March 29, 1934, Serial No. 717,957
In Great Britain March 28, 1933
2 Claims. (Cl. 16—146)



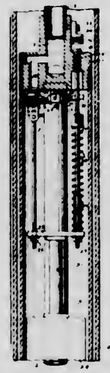
1. In and for a table with folding leg, a hinging-locking mechanism comprising a hinge-plate for attachment to said leg, hinged to a second hinge-plate for attachment to said table, two further, locking, hinge-plates hinged together and also hinged to the first two hinge-plates aforesaid, one to each, the pintles which hingedly connect all said hinge-plates lying in two planes at right angles to each other so as to permit of relative movement between said first two hinge-plates into a predetermined position, whereat the pintles connecting said first two hinge-plates with said locking hinge-plates are collinear, to permit said locking hinge-plates to rotate about the pintles last-mentioned and thereby lock and brace said first two hinge-plates in said position, said second hinge-plate being bent to form a box, of which said hinge-plate constitutes one end, having the other end and the top open to accommodate said leg when folded, and adapted to be secured by its bottom to said table, one side of said box forming an abutment adapted to be engaged by the adjacent one of said locking hinge-plates in the predetermined position aforesaid, and a spring for urging said locking hinge-plates into their locking position.

2,003,009

METHOD AND APPARATUS FOR PRODUCING LIQUID FROM WELLS

Jeddy D. Nixon, Houston, Tex., assignor to S. S. McClendon, Jr., Houston, Tex., trustee

Application June 10, 1932, Serial No. 616,487
13 Claims. (Cl. 103—248)



1. Apparatus for producing liquid from a well which includes a collector, means for successively entrapping loads of liquid in said collector, an outlet conduit leading out from said collector, means for supplying an operating fluid, under pressure, into the well, means for automatically applying said operating fluid, successively, into the collector to completely expel each collected load through said conduit as the load is collected, means under the influence of the fluid being so applied and excluding the entrance of a load into the collector until the next preceding load has been completely expelled, means for communicating the collector with said conduit while load is being entrapped, and means for automatically suspending the application of said operating fluid successively upon the completion of the expulsion of each successive load.

2,003,010

FLUID ELEVATOR

Jeddy D. Nixon, Houston, Tex., assignor to S. S. McClendon, Jr., Houston, Tex., as trustee

Application February 27, 1933, Serial No. 658,882
6 Claims. (Cl. 103—248)

1. In apparatus for raising predetermined loads of liquid, successively, from a well to the ground surface, liquid entrapping means having a chamber provided with an inlet for an operating fluid under pressure and a relief outlet, a valve controlling the inlet, a relief valve controlling the outlet, an eduction tube leading from the chamber, a float arranged to be elevated by the entrapped liquid and operative, when elevated, to effect the opening of the inlet valve and the closing of the relief valve, whereby the operating fluid is admitted into the chamber to expel the load from said chamber through said tube, and operative when lowered to effect the closing of the inlet valve and the opening of the relief valve, a dash pot containing mercury which acts to retard the



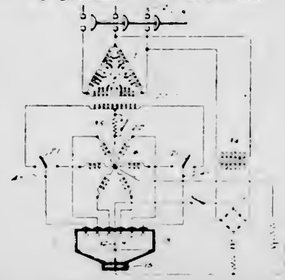
downward movement of the float to maintain the inlet valve open until the entrapped load of liquid is discharged from the well.

2,003,011

TREATING-OUT TRANSFORMER

Herbert A. Rose, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 21, 1932, Serial No. 648,204
8 Claims. (Cl. 175—363)



3. In a rectifier system, a multi-anode rectifier, a transformer for treating out said rectifier comprising a main winding adapted for connection to the anodes, said winding being adapted to supply a voltage substantially equal to the arc drop of the rectifier, means for adjusting the voltage of the windings, an auxiliary winding associated with said transformer, said auxiliary winding being adapted to supply a voltage greater than the arc drop of the rectifier and means for connecting one of said anodes at will to said main winding or said auxiliary winding.

2,003,012

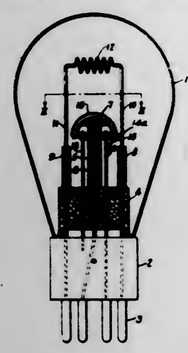
GRID GLOW TUBE STRUCTURE

Stephan P. Sashoff, Gainesville, Fla., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 27, 1933, Serial No. 673,221
3 Claims. (Cl. 250—27.5)

1. An electrical discharge device comprising a vacuum-tight container, a press, a cathode supported on leads projecting above said press, insulating sleeves encasing said cathode leads for a

substantial distance above said press, an inleading wire sealed through said press and projecting upward therefrom, a sleeve of insulating material



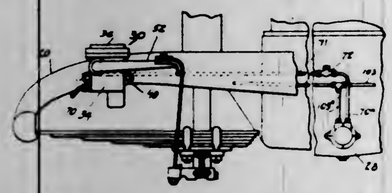
about said wire, and an anode connected to the upper end of said wire adjacent the top of said insulating sleeve and substantially enclosing the top of said sleeve.

2,003,013

VEHICLE CHASSIS LUBRICATING MECHANISM

George R. Siegrist, Port Huron, Mich.

Application November 26, 1929, Serial No. 409,944
30 Claims. (Cl. 184—7)



1. Vehicle chassis lubricating mechanism comprising, in combination, a vehicle chassis having a fluid pressure shock absorber adapted to place fluid under pressure in response to the shock or road travel of the chassis, a lubricant reservoir separate from said shock absorber, lubricant pumping mechanism communicating with said reservoir and with a part to be lubricated, said pumping mechanism being arranged in a closed circuit with said shock absorber to receive fluid pressure impulses therefrom to respond operatively to draw lubricant from the lubricant reservoir and deliver the same to the part to be lubricated.

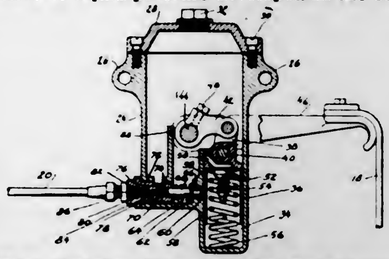
2,003,014

COMBINED LUBRICATING AND SHOCK ABSORBING MECHANISM FOR MOTOR VEHICLES

George R. Siegrist, Port Huron, Mich.

Application November 27, 1929, Serial No. 410,029
7 Claims. (Cl. 184—7)

2. In liquid pressure lubricating and shock absorber mechanism for a vehicle, a liquid reservoir, a liquid compression chamber arranged therein to receive liquid therefrom, means responsive to vehicle travel operable to place the liquid in the compression chamber under pressure, liquid operated pumping mechanism arranged within the liquid reservoir communicating therewith to receive liquid therefrom and responsive to liquid pressure developed in the compression chamber to operatively respond to deliver lubricant under pressure.

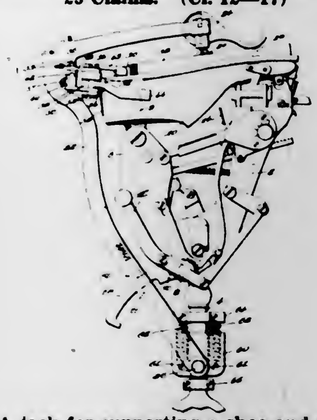


2,003,015

SHOE SUPPORTING JACK

Ralph C. Simmons, deceased, late of Beverly, Mass., by Elizabeth D. Simmons, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 31, 1933, Serial No. 663,746
25 Claims. (Cl. 12—17)



1. A jack for supporting a shoe and a guiding templet associated therewith having, in combination, means for supporting a shoe, means for securing the templet against the sole of a shoe mounted on the supporting means, and a templet positioning device comprising members movable into engagement with the templet and the sides of the shoe while the shoe is supported in the jack.

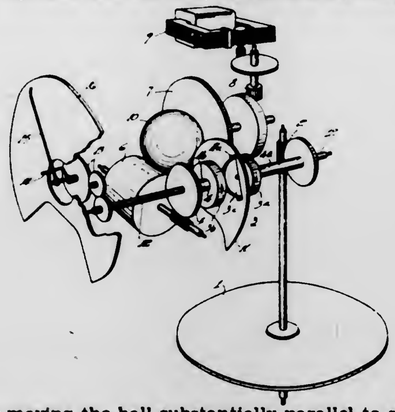
2,003,016

DEMAND METER

Benjamin H. Smith, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 13, 1934, Serial No. 743,860
5 Claims. (Cl. 171—273)

4. In a demand meter, a primary meter element operable at variable speed, a timing element operable at substantially constant speed, and variable-ratio transmission and differential mechanism connecting said elements, said mechanism including a cylinder and a disc mounted for rotation in such positions that a linear element of the cylinder is substantially parallel to a radius of the disc, a ball in engagement with the cylinder and the disc, and differential means



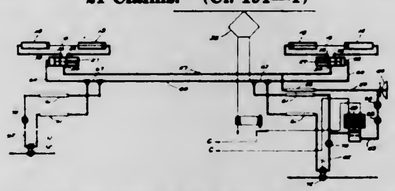
for moving the ball substantially parallel to said linear element of the cylinder.

2,003,017

CONTROL APPARATUS FOR CAR CONNECTERS

Walter H. Smith, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Application November 29, 1929, Serial No. 410,509
21 Claims. (Cl. 191—1)



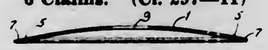
1. In combination, a car body, a current collector carried thereby, a conductor leading from the current collector, means at an end of the car for connecting the conductor to a similar conductor on a second car, means for grounding the current collector, and means preventing operation of the grounding means while the conductor is connected to the conductor on the second car.

2,003,018

THERMOSTAT

John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts

Application September 8, 1930, Serial No. 480,453
6 Claims. (Cl. 297—11)



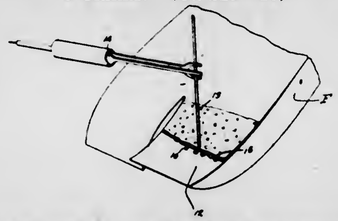
3. A unitary thermostat comprising a sheet of resilient material normally formed with a concavity in one direction, and being so constituted that it may be overcentered by an externally applied force to a position of opposite concavity, but returning under its own impulse to the original position of concavity as soon as said external force is removed, said disc having a peripheral portion of differing temperature coefficient of expansion from its central portion, said peripheral portion being a substantially superficial extension of said central portion, whereby, upon change of temperature in the proper sense, said sheet may be overcentered by the external application of forces to its abnormal position, wherein said central portion is maintained under radial compression by the said peripheral portion until a sufficient temperature change in the reverse sense takes place to release the radial compression due to the differential expansions of said central portion and said peripheral portion, whereupon the sheet returns, under its own impulse, to its normal position of concavity.

2,003,019

METHOD OF PROTECTIVELY FACING SURFACES WITH ABRASION RESISTING MATERIAL

Karl Strobel, Whittier, Calif., assignor to Stoody Company, Whittier, Calif., a corporation of California

Application September 16, 1930, Serial No. 482,270
9 Claims. (Cl. 219—10)



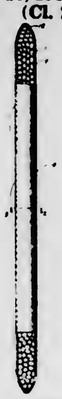
1. The method of providing protective surfaces in which there are diamond substitutes, which consists of coating pieces of diamond substitute with a coating which will delay the heating of the pieces of diamond substitute, and applying these coated pieces to the work by the application of welded on molten metal.

2,003,020

WELDING ROD FOR APPLYING PROTECTIVE ABRASION RESISTING FACINGS

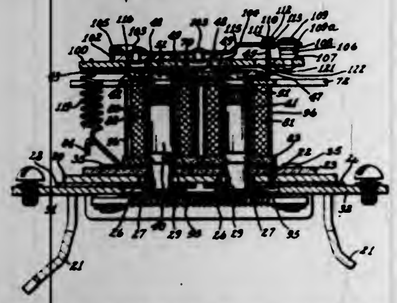
Karl Strobel, Whittier, Calif., assignor to Stoody Company, Whittier, Calif., a corporation of California

Application September 16, 1930, Serial No. 482,271
15 Claims. (Cl. 219—8)



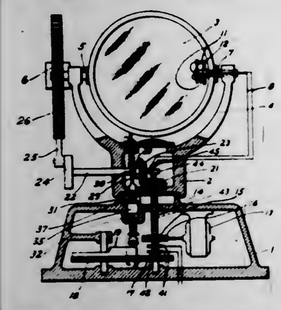
1. A welding rod for applying protective facings comprising a mass of diamond substitute particles, each particle having a protective flux coating designed to retard melting of the particle, said particles being held together in rod like form by a fusible metal.

2,003,021
ELECTROMAGNETIC SWITCH
Raymond H. Sullivan, Rochester, N. Y., assignor to North East Appliance Corporation, Rochester, N. Y., a corporation of New York
Original application May 29, 1930, Serial No. 457,112. Divided and this application August 13, 1931, Serial No. 556,831
3 Claims. (Cl. 200—87)



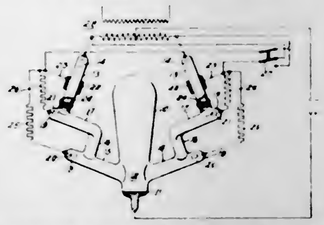
1. An electromagnetic switch comprising, in combination, a base; a pair of magnet cores insulatingly secured at one end to the base, and having windings thereon; an armature hinge bracket secured to the other ends of the cores; an armature carrying a contact and hingedly connected with the bracket; a cooperating contact insulatingly mounted to the base through a contact support; a spring bracket insulatingly secured to the base intermediate the winding and base; and a spring connecting the spring bracket and armature.

2,003,022
BEACON
Henry H. Thompson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 23, 1928, Serial No. 321,411
11 Claims. (Cl. 177—352)



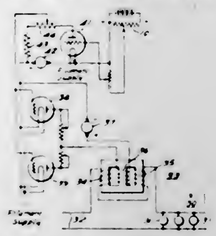
5. A beacon comprising in combination, a projector, rotatably mounted means for supporting the projector, said projector being rotatably mounted on the supporting means, a main shaft and driving means therefor, an auxiliary shaft journalled in the projector supporting means, means disposed to be actuated by the auxiliary shaft for oscillating the projector about its axis of support on the supporting means, gear means connecting the main and auxiliary shafts, whereby when the auxiliary shaft is locked against rotation the supporting means and projector are rotated by the main shaft and when the auxiliary shaft is released and the supporting means locked against rotation the projector alone is oscillated, and means actuated by the driving means and operable to alternately lock the auxiliary shaft against rotation and unlock the supporting means and lock the supporting means and unlock the auxiliary shaft in accordance with a predetermined cycle of operation.

2,003,023
MERCURY VAPOR OR NOBLE GAS RECTIFIER WITH ARC CONTROL
Jürgen von Issendorff, Berlin-Siemensstadt, and Fritz Netzsch, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application October 13, 1931, Serial No. 568,580
In Germany October 16, 1930
4 Claims. (Cl. 175—354)



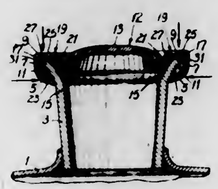
1. A rectifier comprising a container, a cathode compartment in said container, a cathode in said compartment, a second compartment communicating with said cathode compartment and providing an arc path therefrom, a main anode in said second compartment, an auxiliary anode adjacent said arc path outside said cathode compartment and a controllable and an uncontrollable grid between said auxiliary anode and said main anode.

2,003,024
CURRENT-CONTROL APPARATUS
Charles P. West, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 25, 1932, Serial No. 644,285
11 Claims. (Cl. 171—312)



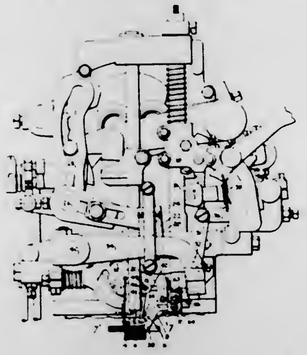
1. In apparatus for controlling an electrical condition of a circuit, in combination, a rotatable potentiometer winding, means for impressing a substantially constant potential on the potentiometer winding, conducting means disposed on a carrier to engage varying portions of the potentiometer winding to receive a potential which varies in accordance with the position of the conducting means on the carrier, and means for impressing said varying potential on an electric circuit to control an electrical condition thereof.

2,003,025
CLOSURE
Frederick Westerbeck, University City, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
Application April 8, 1933, Serial No. 665,219
4 Claims. (Cl. 220—27)



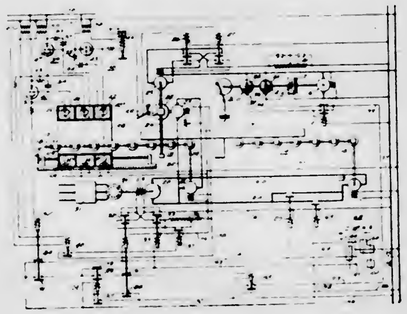
1. A container, a substantially rigid nozzle on said container, said nozzle having a cylindric end, said cylindric end having an upper and axially presented sharp sealing edge having an acute angle and an axially presented lower edge at least as great as a right angle, a soft metal cap seating on said end and having a depending soft metal flange surrounding said cylindric portion, and a binding band closely fitted to said soft metal cap and surrounding the flange thereof opposite the said sharp edge and having its margin turned inwardly to confine the soft metal against the sealing edges and about said cylindric portion.

2,003,026
SHOE SEWING MACHINE
Carl F. Whitaker, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 14, 1933, Serial No. 675,739
11 Claims. (Cl. 112—45)



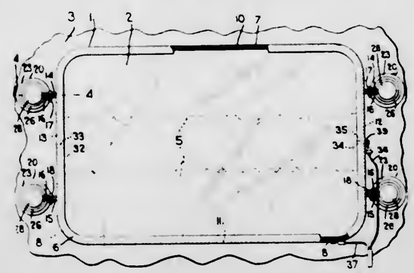
1. A shoe sewing machine of the McKay type having, in combination, stitch forming and work feeding devices including a straight hook needle, a rotary work supporting horn, a presser-foot for alternately clamping and releasing the work supported by the horn, and a feed point acting on the side of the work engaged by the presser-foot to feed the work when released, a knife operating in the line of feed with the feed point to form a stitch receiving groove in the work, and means for connecting the knife to be operated by the combined movements of the presser-foot and feed point.

2,003,027
CONTROL FOR SHEARING APPARATUS
Ralph H. Wright, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1934, Serial No. 727,766
12 Claims. (Cl. 164—48)



1. In combination, a cutting device, means for actuating the cutting device, means for carrying material into cutting position, means for initiating the operation of the material carrying means, adjustable control means responsive to the position of the material as it is moved into cutting position for stopping the material carrying means to position the material for a predetermined length of cut and for thereafter initiating the operation of the cutting device and means for adjusting the position of said control means to vary the cut length.

2,003,028
WINDSHIELD HEATER
Louis Zaiger, Lynn, Mass.
Application June 6, 1934, Serial No. 729,294
7 Claims. (Cl. 219—19)



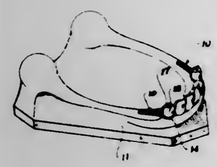
7. A windshield heater comprising a pane of glass, a glass-carrying member of rubber encircling the glass and having on its inner face a groove to receive the edge of the glass and also having a windshield-engaging lip, a metal supporting member encircling the rubber glass-carrying member and holding the latter clamped to the edge of the glass, said metal supporting member having outwardly-extending arms, suction cups carried by said arms for holding the heater to the windshield, an electric heating unit carried by the supporting frame and situated on the windshield side of the glass.

2,003,029
SOUND PICTURE SYSTEM
Walter J. Albersheim, New York, N. Y., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application August 23, 1934, Serial No. 741,037
6 Claims. (Cl. 179—100.3)



1. In combination, a sound translating unit, a film having sprocket tooth perforations subject to mechanical variations, a sprocket wheel for feeding said film at uniform velocity past said sound translating unit comprising a driving member, a plurality of sprocket teeth with individual resilient members, and means in said driving member for supporting said resilient members in equally spaced relation.

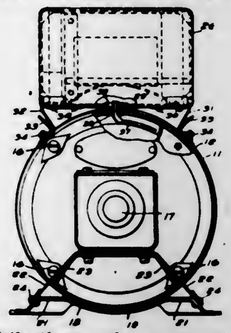
2,003,030
DENTAL CLASP
John V. Amenta, Chicago, Ill.
Application June 7, 1934, Serial No. 729,368
2 Claims. (Cl. 32—5)



1. A dental clasp formed from two pieces of metal; one of said pieces being formed to provide clasp portions and an anchor loop extending laterally from said clasp portions and including spaced arms lying substantially within a common plane but spaced slightly from each other throughout at least a part of their extent so to provide a slit or space therebetween; and the other of said pieces being formed to provide a cusp or occlusal rest portion extending between said clasp portions but in a plane above the latter; said second-named piece including a shank portion extending between said arms in a plane slightly above the latter and soldered thereto within said slit or space.

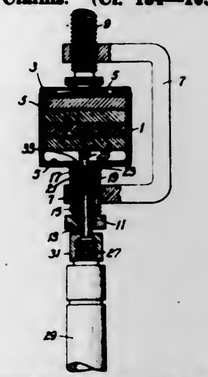
2,003,031
CAPACITOR MOTOR
John G. Baker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1933, Serial No. 676,827
14 Claims. (Cl. 172—233)

1. In combination with a motor subject to oscillations around the axis of its shaft and a condenser, means supporting the condenser upon the motor to enable the motor to oscillate around its



shaft axis while the condenser remains substantially stationary.

2,003,032
LUBRICATING APPARATUS
Frank S. Barks, St. Louis, and Alexander P. Fox, University City, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application May 18, 1934, Serial No. 726,318
3 Claims. (Cl. 184—105)

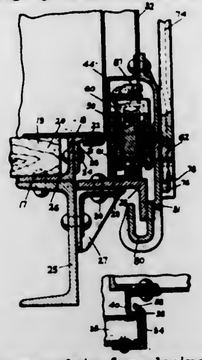


1. In a lubricating clamp for spring covers and the like, a clamp screw adapted to be sealed about an opening in a cover, a reciprocating member passing through the clamp screw and having an opening therethrough and means for normally pressing said member through said opening and toward contact with said spring.

2,003,033
CAR DOOR
Wilfred A. Beauchamp, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1933, Serial No. 698,059
14 Claims. (Cl. 20—22)

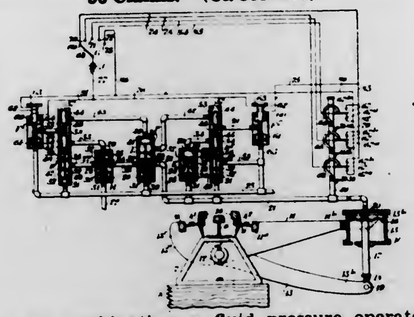
1. In a railway car door comprising a metallic panel disposed in substantially the outer plane of said door, a horizontally extending backing plate secured to the lower portion of said panel, said backing plate being offset inwardly from said panel and disposed in substantially the inner plane of said door, said panel being coped adjacent the lower corners of said door, elevating

mechanism insertable through each of said coped portions having operative relationship with said



door and a cover plate for closing each of said portions secured to said door.

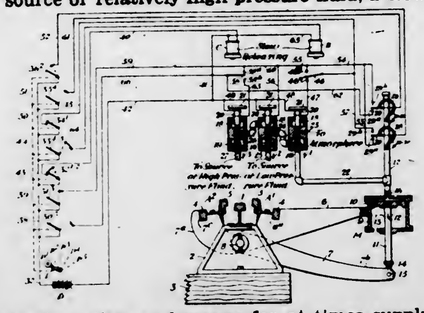
2,003,034
FLUID PRESSURE DISTRIBUTION SYSTEM
Herbert L. Bone, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 25, 1932, Serial No. 639,434
56 Claims. (Cl. 303—20)



1. In combination, a fluid pressure operated device, a first pipe in which fluid is maintained at a relatively low substantially constant pressure, a second pipe in which fluid is maintained at a relatively high substantially constant pressure, means for at times supplying fluid to said device from said first pipe and for at other times supplying fluid to said device from said second pipe, and means for at still other times exhausting fluid from said device into said first pipe or to atmosphere according as the pressure of the fluid in the device is above or below a predetermined pressure which is somewhat higher than the pressure of the fluid in said first pipe.

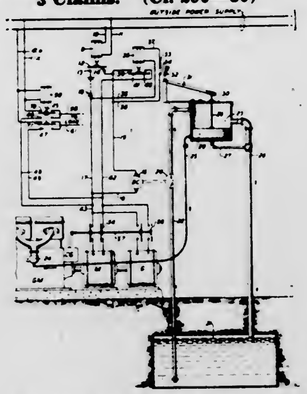
2,003,035
RAILWAY BRAKING APPARATUS
Herbert L. Bone, Swissvale, and John W. Logan, Jr., Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 17, 1933, Serial No. 657,210
12 Claims. (Cl. 303—20)

1. Railway braking apparatus comprising a braking bar extending parallel to a track rail, a fluid pressure motor for moving said braking bar toward said track rail to a braking position, a first pipe connected with a source of relatively low pressure fluid, a second pipe connected with a source of relatively high pressure fluid, a slow-



releasing relay, and means for at times supplying fluid pressure to said motor from said first or said second pipe according as the armature of said relay is picked up or released.

2,003,036
CONTROL CIRCUIT
Vincent T. Callahan, Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1934, Serial No. 736,153
3 Claims. (Cl. 290—30)

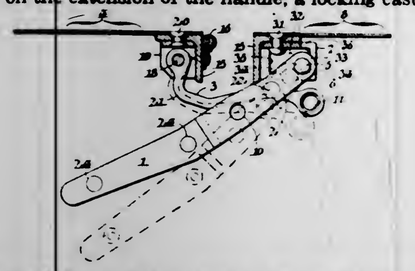


3. In a system for automatically starting an internal combustion engine having an electric starter, the combination with a supply circuit, a normally energized magnet in said circuit, a local circuit closed by the deenergization of said magnet, a current supply and an electric motor connected in said local circuit, a fuel pump actuated by said motor, a fuel cup connected to said pump, a float in said cup, a contact closed by the rise of said float upon the filling of said cup by said pump, a magnet in said local circuit energized upon the closure of the last mentioned contact, for energizing said starter for starting the engine.

2,003,037
DOOR OPERATING MECHANISM
Isaac M. Chambers, Altoona, Pa.
Application March 30, 1934, Serial No. 718,129
2 Claims. (Cl. 292—283)

1. In combination with a door member and a door framing member, a link pivotally attached to one of said members, an operating handle piv-

otally attached to the link, said operating handle and said link each being extended beyond the common pivotal point of attachment, a lug mounted on the extension of the handle, a locking casting having a pocket to receive the lug in locking engagement, said handle and said extension of the link having holes therein which are in registry when the door is locked shut and a removable locking pin through said holes.



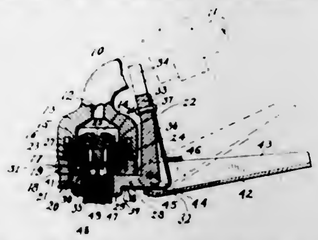
2,003,038
TRUCK
Carl F. Collins, Winterhaven, Fla.
Application June 13, 1934, Serial No. 730,406
12 Claims. (Cl. 214—65.5)



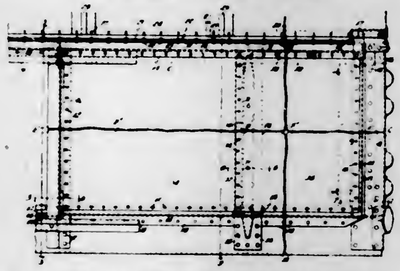
1. In a hand truck comprising a wheeled frame, a pair of slidable arms on the frame, movable towards and away from one another, a sliding rack bar for each arm, means including a shaft and pinion for simultaneously operating the rack bars towards and away from one another, a double ended lever rockably mounted intermediate its ends on each rack bar, a sliding carriage for each arm, means connecting the carriage with its arm, a pivot for the lower end of each double ended lever, and a pin and slot connection between the upper end of the levers and carriages.

2,003,039
AIR CHUCK
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1931, Serial No. 574,103
4 Claims. (Cl. 284—17)

1. In an air chuck, a member arranged at the valve stem engaging end of the chuck and provided with a stem receiving opening, said member having a substantially L-shaped arm the outer end of which is inclined inwardly toward the chuck, a spring clip having angularly disposed parts one of which is substantially parallel to the inclined outer end of said L-shaped arm and is secured thereto and the other of which is substantially parallel to the outer side of said member and is provided with a valve stem thread engaging portion normally positioned in the opening in said member, and means carried by said L-shaped arm for deflecting said spring clip.



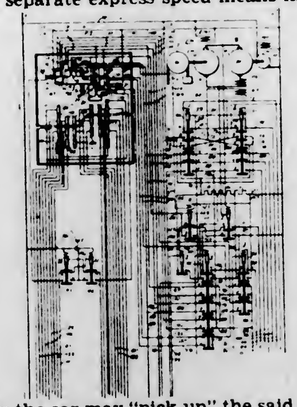
2,003,040
HOUSE CAR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 9, 1933, Serial No. 688,737
14 Claims. (Cl. 105—409)



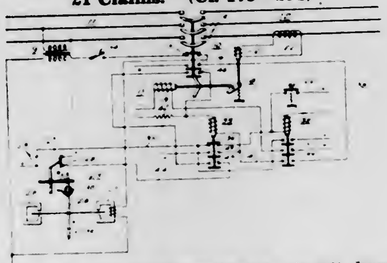
2. A house car having a metal side sill; a metal side plate; metal side posts secured at their top and bottom ends to the side plate and side sill, said posts being of maximum depth at their central portions and tapered inwardly toward their top and bottom ends; metal sheathing secured to the outer sides of said posts at said central portions and extending in a vertical plane spaced outwardly of the upper and lower ends of the posts; means for attaching the upper edge of the sheathing to the side plate in spaced relation to the upper ends of the posts; and means extending between and connecting the lower edge of the sheathing and side sill.

2,003,041
CONTROL SYSTEM
William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 11, 1929, Serial No. 398,942
8 Claims. (Cl. 187—29)

1. In an elevator system having a car, means for operating the car at a normal high speed, separate means for causing the car to operate at an express speed above its normal high speed, means for registering calls for stops to be made by the car, means responsive to the registration of a stop call and to the approach of the car to that call for causing the car to "pick up" the said call at a point a predetermined distance from the floor corresponding thereto, and means responsive to the registration of said call and to the approach of the car to said point for rendering said separate express speed means ineffective whereby the car may "pick up" the said call while operating at normal speed.



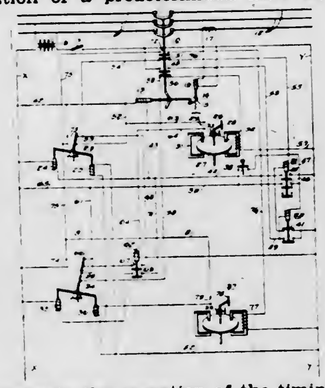
2,003,042
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
E. Vernon Ellett, Pocahontas, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1933, Serial No. 660,376
21 Claims. (Cl. 175—294)



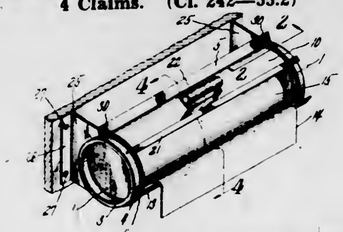
1. In an automatic reclosing circuit breaker system, in combination, a circuit breaker, means for opening the circuit breaker, control means responsive to the opening operation of the breaker for effecting a reclosure of the breaker, and means for rendering said control ineffective to reclose the breaker a second time in the event that the breaker reopens before the expiration of a predetermined time interval.

2,003,043
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
E. Vernon Ellett, Pocahontas, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1933, Serial No. 660,378
14 Claims. (Cl. 175—294)

1. In an automatic reclosing circuit breaker system, in combination, a circuit breaker, means for automatically opening the breaker, closing means for the breaker, means independent of the opening means responsive to the opening of the breaker for causing the closing means to reclose the breaker substantially instantaneously, means responsive to the operation of the reclosing means for rendering the reclosing means ineffective to produce a second instantaneous reclosure, timing means operable in response to a reopening of the breaker for causing the closing means to effect a second reclosure of the breaker at the expiration of a predetermined interval, means responsive to the operation of the timing means for rendering said timing means ineffective to operate the closing means, and additional timing means operable in response to the breaker remaining closed a predetermined time after any reclosure for rendering the reclosing means again effective to produce a substantially instantaneous reclosure.

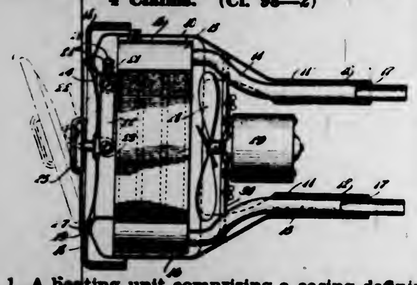


2,003,044
DISPENSING CABINET
Antonio Galante, Medford, Mass.
Application December 5, 1934, Serial No. 756,065
4 Claims. (Cl. 242—55.2)



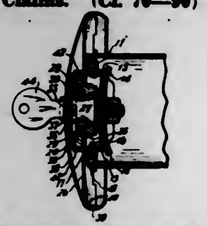
3. A device of the class described, comprising a casing having a pair of spaced end members provided with circular peripheral portions U-shaped in cross section with their open sides oppositely disposed and having marginal peripheral beads, a curved side wall having its ends secured within said U-shaped portions and having its side edges spaced apart to form an opening through which a roll of sheet material may be inserted within said casing, the lower of said side edges being extended outwardly and its margin turned upwardly, a curved cover member having its ends slidable within said U-shaped portions and movable to and from a position closing said opening, the lower edge of said cover being extended downwardly and outwardly to press said sheet material against the outwardly extending portion of said side wall back of its upwardly extending margin, said outwardly extended cover edge having an opening at each end through which said beads extend, a handle secured to said cover, and means for supporting said casing.

2,003,045
HOT WATER HEATER FOR AUTOMOBILES
Roy H. Griffiths, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 8, 1934, Serial No. 752,685
4 Claims. (Cl. 98—2)



1. A heating unit comprising a casing defining an opening in its face, a heat radiator enclosed thereby, means for directing air through the casing toward said opening, and a single heat deflector pivotally mounted on the casing and adapted to assume a plurality of positions with respect thereto and in one of its positions completely to close said opening.

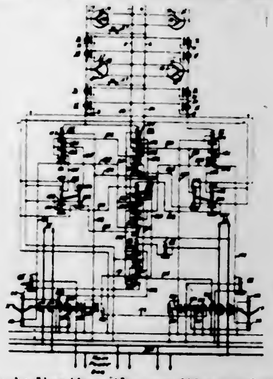
2,003,046
CLOSURE
James N. Halkett, Cleveland Heights, Ohio, assignor, by mesne assignments, to Eaton Detroit Metal Company, Cleveland, Ohio, a corporation of Ohio
Application September 6, 1933, Serial No. 688,346
4 Claims. (Cl. 70—90)



1. In closure devices, the combination of a member having an opening, a cap for closing said opening, said cap and said member having cooperating parts whereby the cap is adapted to be secured to said member by a rotary movement, a cover rotatably mounted on said cap, a lock barrel secured to said cap, a lock cylinder rotatably mounted in said barrel and having key actuated means for securing the barrel and cylinder against relative rotation, a bolt slidably mounted on said barrel, said cover having a circular series of V-shaped lugs adapted to be engaged by said bolt to secure the cover against rotation relative to the cap, and means on said cylinder for actuating said bolt.

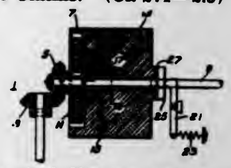
2,003,047
CONTROL SYSTEM
Stuart C. Hensen, Akron, and Melville B. Hankin, Cuyahoga Falls, Ohio
Application June 9, 1932, Serial No. 616,279½
9 Claims. (Cl. 177—311)

1. In a power control system, in combination, a first station, a second station, a direct current control bus connecting the stations, circuit breakers at the second station for connecting a preferred feeder circuit and an auxiliary feeder circuit to a main power bus, control and signalling means at the first station individual to each circuit breaker at the second station, said signalling means being responsive to different polarities, a control conductor for connecting each circuit breaker to the corresponding control and signalling means at the first station, relay means responsive to the voltage applied to the preferred feeder circuit for transferring the main power bus from the preferred feeder circuit to the auxiliary feeder circuit on failure of voltage on the former circuit and for transferring the main power bus back to the preferred feeder circuit from the auxiliary feeder circuit on return of voltage to the preferred feeder circuit, control means actuated by the movement of the circuit breakers for applying different polarities from the control bus to the control conductors to actuate the signalling



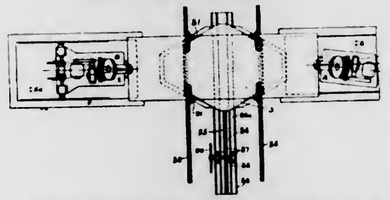
means for indicating the positions of the circuit breakers, locking relay means at the second station and operable from the first station over the control conductor individual to the preferred feeder circuit for preventing the automatic transfer of the main power to the auxiliary feeder circuit by opening the energizing circuit to said transfer relay means when the preferred feeder circuit is tripped from the first station, and a second locking relay means at the second station and operable from the first station over the control conductor individual to the auxiliary feeder circuit for preventing the automatic transfer of the main power bus to the preferred feeder circuit by opening the energizing circuit to said transfer relay means when the auxiliary circuit breaker is closed from the first station.

2,003,048
PHOTOPHONE APPARATUS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 2, 1931, Serial No. 512,978
9 Claims. (Cl. 271—2.3)



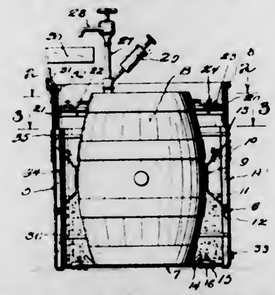
3. A mechanical filtering system comprising a driving means, a driven shaft, a flywheel fixed on said shaft, means resiliently connecting said driving means to said flywheel for driving said driven shaft, a second flywheel, and means frictionally connecting said flywheels.

2,003,049
APPARATUS FOR CUTTING OR BEVELING EDGES OF METAL PLATES
George K. Hull, Fredonia, N. Y.
Application March 8, 1934, Serial No. 714,624
11 Claims. (Cl. 164—60)



8. A bevel shear construction comprising a pit; a frame structure having its lower portion disposed in said pit; adjacently disposed circular blades providing cooperating edges for cutting a plate; bearing means for said blades carried by said frame structure positioning said blades above said pit; means for rotating said blades; supporting means for said frame structure including a pivotal connection at one end thereof having a vertical axis passing through said cooperating edges at their most proximate portions, said frame structure and supporting means being adapted for horizontal movement within said pit to adjust the positions of said blades; a rail secured along each of the opposite sides of said pit; a pressure fluid working cylinder carried by said frame structure at the opposite end thereof; a double-acting piston in said cylinder; piston rods extending in opposite directions from said piston; roller elements carried at the outer ends of said rods and engaging the respective said rails; and means for introducing and exhausting pressure fluid to and from the opposite ends of said cylinder to effect relative movement of said cylinder and said piston and thereby effect swivelling movement of said frame structure about said axis.

2,003,050
BEER CONTAINER AND COOLER
Harry Iselin, Racine, Wis.
Application September 15, 1933, Serial No. 689,594
6 Claims. (Cl. 62—32)

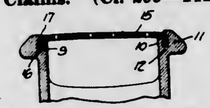


1. A device for cooling the contents of a barrel comprising a container for receiving the entire barrel said container having an open upper receiving end, clamping means carried by the container for engaging and centering the barrel within the container, the container being adapted to receive a refrigerant, and a cover plate disposed within the upper end of the container around the barrel to expose the upper end to view and to permit the contents thereof to be drawn off.

2,003,051
PURIFICATION OF STRONG PHOSPHORIC ACID
William H. Knox, Jr., Nashville, Tenn., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application July 5, 1933, Serial No. 679,145
5 Claims. (Cl. 23—165)

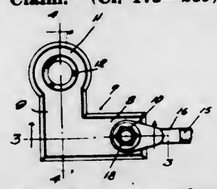
1. The method of substantially completely removing lead impurities from strong phosphoric acid which comprises adding to phosphoric acid having a concentration of the order of 70% or higher and containing lead impurities, a compound yielding chloride ions in an amount substantially in excess of the number required to form lead chloride with the lead present, whereby substantially all of the lead is precipitated as a lead chloride compound, and separating the resulting lead chloride compound from the acid.

2,003,052
SPRINKLER HEAD
Edward E. Lord, Pasadena, Calif., assignor of one-half to J. D. Ross, Pasadena, Calif.
Application October 17, 1933, Serial No. 693,977
2 Claims. (Cl. 299—141)



2. A spray nozzle comprising a body having an ovate groove defined in part by spaced apart inner and outer walls, the latter being of greater breadth than the former and connected therewith by a laterally extending joinder wall, the outer wall being of gradually increasing thickness toward said joinder wall, a spray plate of uniform thickness having an ovate flange extending into said groove, the groove containing a fluid waterproofing material, and the outer wall having its portion of lesser thickness swaged over and inwardly against the spray plate so as to snugly force the inner surface of the plate against the edge of said inner wall and apply pressure against the waterproofing fluid material to displace same into the joints between the flange and the walls of the groove.

2,003,053
STORAGE BATTERY TERMINAL CONNECTER
Frank Paviovic and Joseph George Sintic, Cleveland, Ohio
Application March 29, 1934, Serial No. 718,059
1 Claim. (Cl. 173—259)



A device for connecting a conductor to a battery post comprising a body formed of one piece of material and of L-shape to provide a pair of arms extending at right angles to each other, said body having flat upper and lower faces and one arm having a hole extending through its outer end for receiving a bolt for connecting a conductor terminal to said arm and the other arm having an opening in its outer end for receiving a bat-

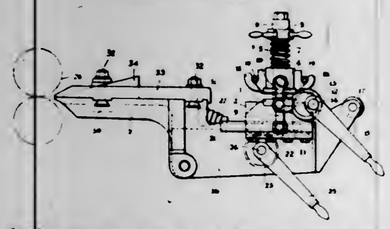
tery post, the outer end of the last mentioned arm being of enlarged circular form, with the hole passing through the circular part, and said hole tapering downwardly, with the small end opening out through the lower face of the body and its large end opening out through the upper face thereof, and said small end of the hole being of slightly greater diameter than the diameter of the battery post, and said hole being adapted to receive the lead which covers the upper part of the battery post.

2,003,054

CLEANING, AND FEEDING OF METAL STRIPS TO ROLLS OR ROLLING MILLS

Francis Gerald Ratcliff, Birmingham, England

Application June 1, 1933, Serial No. 673,902
In Great Britain June 18, 1932
1 Claim. (Cl. 80—43)



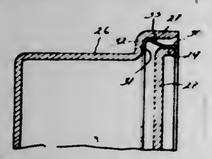
A device for cleaning and feeding metal strips to the rolls of rolling mills, comprising a cleaning press, a carrier frame member, a bracket forming the bed of the press mounted to run in guides on said frame to be movable towards and away from the rolls, means for moving the bracket in the guides for feeding a metal strip gripped by the press to the rotating rolls, a movable press jaw, means for fixing a fabric cleaning strip to such jaw, and means for guiding the strip to the rolls mounted to move with the bed of the press, comprising a portion of the bracket which extends forwardly of the press with the front edge adjacent the rolls when in action, lateral guides thereon for coacting with the edge of the metal strip and a wedge clamp for frictionally holding the metal strip against the face of the said portion of the bracket which extends forwardly of the press.

2,003,055

BRAKE DRUM CONSTRUCTION

Charles W. Sinclair, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application April 18, 1932, Serial No. 605,955
8 Claims. (Cl. 188—218)



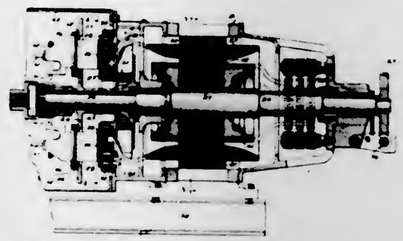
7. In a brake drum construction, the combination with a brake drum and a back plate encircled by and spaced from said brake drum, of a shield within the space between said brake drum and back plate and secured to one of said members and extending adjacent to the other.

2,003,056

ELECTRIC POWER CONVERTER

George T. Southgate, Forest Hills, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York

Application November 30, 1931, Serial No. 578,136
13 Claims. (Cl. 171—123)



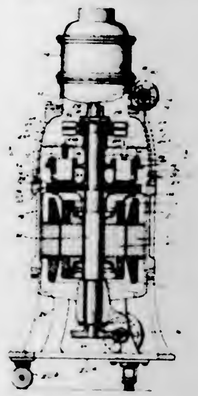
2. In a device for supplying direct current, the combination of a core structure having slots, a primary winding embedded in said slots, a secondary winding adjacent to the primary winding, means for supplying alternating current to said primary winding to produce a rotary magnetic field therein, a commutating device electrically connected to said secondary winding, said commutating device including a rotating part, and means for rotating said part in synchronism with the rotating magnetic field in the primary winding, said core structure having magnetic material arranged to bridge the slots and cover portions of the winding embedded therein.

2,003,057

ARC-WELDING POWER UNIT

George T. Southgate, Forest Hills, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York

Application November 30, 1931, Serial No. 578,137
8 Claims. (Cl. 171—123)



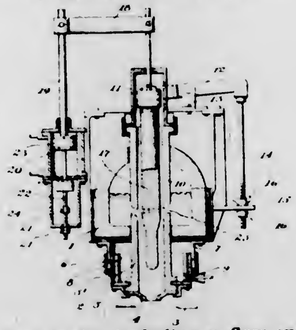
2. In a device for supplying direct current having a drooping voltage characteristic, the combination of a primary field structure and a secondary field structure, said field structures including cores having teeth with oblique ends, means for moving one of said field structures relatively to the other to vary the flux leakage, commutating means connected to the windings of said secondary field structure, and an external reactance in series with said primary.

2,003,058

GLASS FEEDER

Thomas Stenhouse, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia

Application October 29, 1932, Serial No. 640,298
7 Claims. (Cl. 49—55)



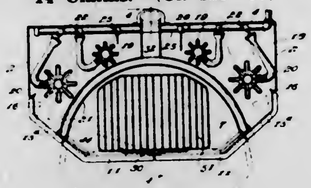
7. A glass feeder including a flow spout containing molten glass, means for discharging glass from any selected stratum of the glass in the flow spout and blocking the flow of glass from any other level, and means for periodically accelerating and retarding the discharge.

2,003,059

COOKING RANGE

Jacob Teller, New Rochelle, and Arthur P. Schulz, New York, N. Y., assignors to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York

Application April 18, 1932, Serial No. 605,994
14 Claims. (Cl. 126—37)



1. A cooking range comprising a base, a body thereon, said body having a semi-circular oven compartment with a curved rear wall, utility compartments arranged upon each side of said oven compartment, and a rotary rack support within said oven compartment, the axis of the rotary rack support being substantially in the plane of the front wall of the oven compartment.

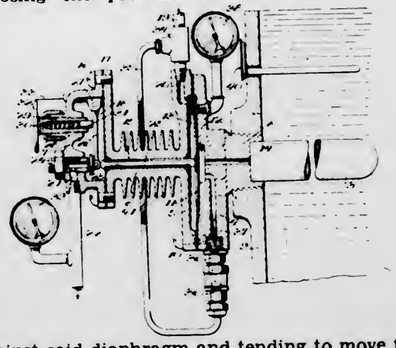
2,003,060

THERMOSTATIC CONTROLLING DEVICE

William S. Thomas, Montoursville, Pa., assignor of one-half to Ernest L. Heckert, Montoursville, Pa.

Application April 2, 1934, Serial No. 718,711
11 Claims. (Cl. 236—32)

1. In a thermostatic controlling device, a movable diaphragm operatively connected to the element to be controlled, an expansion chamber communicating with one side of said diaphragm and adapted to be heated by a medium the temperature of which varies in accordance with the position of the element being controlled, said expansion chamber containing a quantity of expansible fluid medium the pressure of which varies with changes in the temperature of the medium by which the chamber is heated and tends to move said diaphragm in one direction, means for opposing the pressure of said fluid medium



against said diaphragm and tending to move the latter in the opposite direction, and means for automatically establishing communication between said expansion chamber and a source of said fluid medium each time that the pressure of said medium within said chamber reaches a predetermined point.

2,003,061

TOOL

Alexander Wallace, New Rochelle, N. Y., assignor of two-fifths to Lewis H. Saper and Moses Cohen, of New York

Application April 19, 1933, Serial No. 666,822
5 Claims. (Cl. 81—3.6)



1. A tool for handling spectacles for angling an end piece thereof comprising a pair of jaws for clamping said end piece, a journal associated with said jaws, and a wrench adapted to be received in said journal and to engage said end piece, said wrench being adapted for rotation within the journal for angling said end piece.

2,003,062

COMBINED STAPLE AND STRAP

Charles C. Wickwire, Cortland, N. Y., assignor to Wickwire Brothers, Cortland, N. Y., a corporation of New York

Application April 5, 1934, Serial No. 719,228
1 Claim. (Cl. 85—49)

A unitary staple for clamping cables having a soft covering of insulation, comprising a substantially straight metal body of steel wire having two spaced legs depending substantially at right angles to said body; and a broad flat metal clip sub-

stantially bridging the space between said legs and projecting materially beyond said body on both sides thereof longitudinally of the cable to be held and electrically welded to the under side



of said body between said legs and presenting a smooth flat surface adapted to engage and compress the insulation on said cable over an extended area when said legs are driven into a supporting surface.

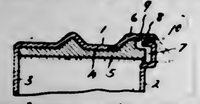
2,003,063

BRAKE DRUM CONSTRUCTION

Joseph E. Batie, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application May 9, 1932, Serial No. 610,213

3 Claims. (Cl. 188—218)



1. In a brake drum construction, the combination with a back plate having an annular flange, of a brake drum comprising an annular flange, a liner within said last mentioned flange, and a retainer for said liner permanently secured to said last mentioned flange and forming an annular groove receiving said first mentioned flange.

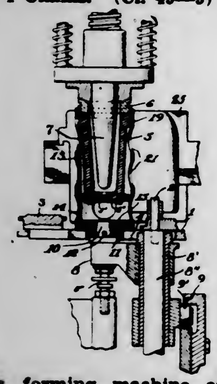
2,003,064

CAGE FOR PARISON MOLDS

Arthur W. Beeson, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application April 27, 1932, Serial No. 607,860

4 Claims. (Cl. 49—9)



1. A glass forming machine comprising a single rotary table, a plurality of glass forming units carried by the table, each unit including a parison mold, a blow mold and a neck ring, both molds adapted to be brought into cooperative relation with the neck ring, means for elevating the parison mold into cooperative relation with the neck ring, and means supporting the parison mold solely from its top, whereby the parison mold may expand freely downward from its top to prevent jamming, said supporting means throughout its length being substantially within the greatest diameter of the parison mold.

2,003,065

COMPOSITION FOR COATING SHEETS, FIBROUS STOCKS, AND THE LIKE

Charles M. Boyce, Cedar Rapids, Iowa, assignor to John R. Ditmars, New York, N. Y.

No Drawing. Application June 20, 1931, Serial No. 545,832

8 Claims. (Cl. 91—67.9)

1. The method of modifying the surface characteristics of a paper or similar base bearing an ink impression which comprises applying thereto a transparent film-forming solution containing casein and gelatin in an aqueous vehicle, controlling the consistency of said solution to secure a desired depth of film over the base and the ink impression thereupon to secure the desired uniform surface finish.

2,003,066

FIREARM OF THE GAS RELOADING TYPE

Fridtjof Nielsen Bröndby, Oslo, Norway

Application February 16, 1933, Serial No. 657,130

In Norway February 22, 1932

9 Claims. (Cl. 42—3)



1. An automatic fire arm of the gas reloading type having a breech mechanism comprising a barrel having a bore therein, a piston cylinder having a channel connecting said cylinder with said barrel bore in order to allow the combustion gases to enter into said cylinder, a piston cooperating with said cylinder and connected with the breech mechanism to operate the same, said piston engaging said cylinder during a part only of its travel thereby opening said cylinder to the atmosphere to thoroughly empty the combustion gases therefrom and permit the same to be filled with air, the volume of said cylinder being at least equal to a substantial portion of the volume of the barrel bore so that the air content therein is sufficient to cause a supplemental combustion of the combustion gases whereby not only the pressure and expansion of the combustion gases are utilized, but also the supplemental heat created and the formation of mud and soot is held to a minimum.

2,003,067

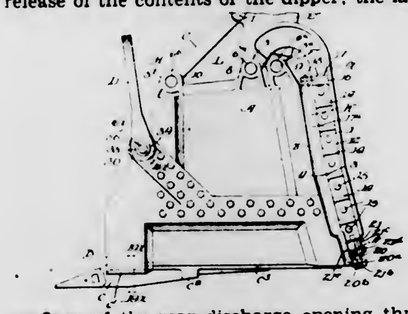
EXCAVATING DIPPER CONSTRUCTION

William H. Brune, Chicago Heights, Ill.

Application February 19, 1931, Serial No. 516,884

8 Claims. (Cl. 214—145)

1. An excavating dipper having a rear discharge opening and a door constructed with hinging means adapting it to swing to open and close said opening; said door having its portion which lies nearer to its axis of hinging movement and its portion which lies nearer to its end which swings in the opening movement substantially straight from side to side but in two planes, at a substantial angle one to the other, thereby developing in said door a substantial arch through which the door supports the load within the dipper, and whereby, in swinging to open position, the door affords more effective release of the contents of the dipper; the lateral



confines of the rear discharge opening through which the body receives the door when closed, lying in planes conforming to those of the door.

2,003,068

PROTECTIVE FINISH

Michael J. Callahan, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 5, 1931, Serial No. 555,369

5 Claims. (Cl. 91—68)

1. An article of manufacture having a metal surface covered with a coating the film forming material of which consists predominately of nitrocellulose, and a top coat on the nitrocellulose coating of polyhydric alcohol-polybasic acid resin containing in chemically combined form the acid radicals of fatty oil acid.

2,003,069

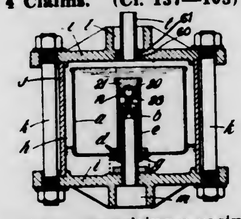
STEAM TRAP, AND APPARATUS FOR CONTROLLING OR MAINTAINING THE SUPPLY OF WATER OR OTHER FLUID

Frederick Samuel Carter, Cardiff, Wales

Application July 7, 1932, Serial No. 621,235

In Great Britain July 13, 1931

4 Claims. (Cl. 137—103)



2. A steam trap comprising a casing having an inlet for the steam and an outlet for the condensate, a central tube in said inlet to allow a free passage of air out of the trap, a float in said casing, an inner tube carried by the casing and communicating with the outlet, an outer tube, open at its lower end to the casing and co-axial with said inner tube, attached to the float and arranged to leave an annular space around the inner tube, and a ball valve comprising a ball carried by the float and a seating on the inner tube adapted to receive the ball to seal the entry to the inner tube, the arrangement being such that the ball is freely attached to the float and the steam pressure holds the ball against the seating until such time as the amount of condensate raises the float sufficiently to carry the ball clear of the seating, whereupon the condensate siphons away over the top of the inner tube.

2,003,070

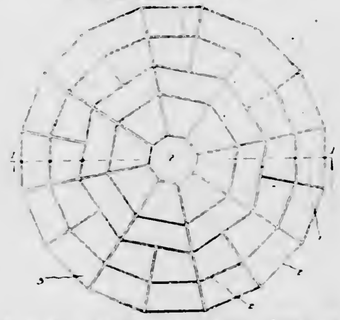
CONSTRUCTION OF LENSES FOR CONCENTRATING THE HEAT OF THE SUN

José Ylla-Conte, Barcelona, Spain

Application July 2, 1932, Serial No. 620,696

In Spain July 3, 1931

5 Claims. (Cl. 88—57)



1. A solar heat concentrating lens, comprising a frame having a flat supporting surface, a plurality of flat-surfaced prismatic glass elemental parts having thick ends all carried by said frame and disposed radially thereabout, one of the large flat sides of each elemental part being disposed in a common plane parallel to the flat supporting surfaces of said frame, the other large flat side of each part being disposed at an angle to the first-mentioned side, the thick ends of the elemental parts being directed towards the center of the lens, whereby the parts direct beams of parallel rays toward the focus of the lens.

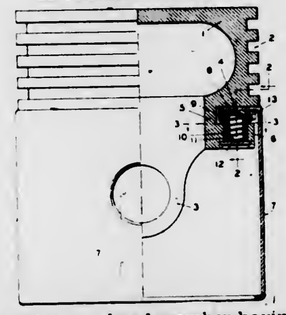
2,003,071

PISTON

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

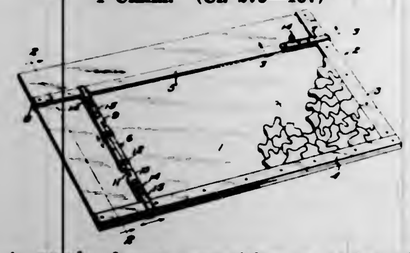
Application September 24, 1932, Serial No. 634,703

11 Claims. (Cl. 309—14)



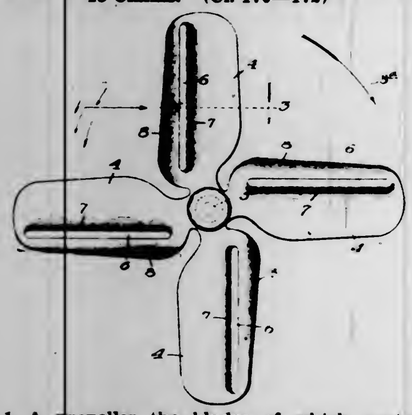
1. In a piston, a head member having a downwardly extending portion adjacent the periphery thereof and provided with a radial projection, a skirt member provided with an inwardly extending flange portion lying between the head member and the radial projection, a coiled spring carried by the radial projection and maintaining the flange in contact with the head, the axis of the spring being parallel to the axis of the piston, and means comprising interengaging portions on the flange and the head member for preventing relative horizontal movement between the head and the skirt.

2,003,072
PUZZLE FRAME
Thomas A. Eynon, Scranton, Pa.
Application March 15, 1933, Serial No. 660,928
1 Claim. (Cl. 273—157)



A puzzle frame comprising a rectangular shaped board to receive and have assembled thereon pieces of a puzzle, an adjustable frame carried by said board in which the pieces are assembled and including a pair of rigid members and a pair of movable members, said rigid members arranged at right angles to one another and fixed to the board at certain edges of the latter, said movable members slidably connected to each other and to said rigid members and one of said movable members adjustable as to length and the other movable member having one end slidably connected to one edge of the board.

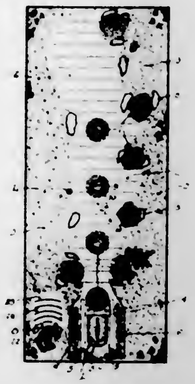
2,003,073
PROPELLER
Guy S. Faber, Chicago, Ill., assignor to General Regulator Corporation, Chicago, Ill., a corporation of Illinois
Application August 8, 1930, Serial No. 473,988
15 Claims. (Cl. 170—172)



1. A propeller the blades of which contain openings therethrough, each of said blades having a forwardly-extending, deflector surface adjacent an edge of the opening therein operative to produce suction at said opening.

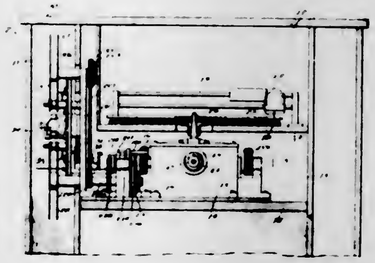
2,003,074
GOLF PLAYING FIELD
Benjamin E. Gage, Evanston, Ill., assignor to Kellogg Huntington, Evanston, Ill.
Application February 1, 1933, Serial No. 654,571
1 Claim. (Cl. 273—32)

A golf playing field comprising: a fairway provided with sand traps; a tee-area at one end of said fairway comprising co-extensive longitudinally extending strips of sand and surface corresponding to said fairway surface; a plurality of objective greens disposed along said fairway at measured distances in advance of



said tee area, the distance between adjacent objective greens being not greater than the length of said tee-area; and a playing green and associated approach-area in rear of said objective greens and apart from said fairway.

2,003,075
OPERATING MECHANISM FOR MOTION PICTURE PROJECTORS AND PHONOGRAPHS
Herman B. Gardner, Chicago, Ill., assignor of forty-nine per cent to Harry J. Lurie, Chicago, Ill.
Application May 9, 1932, Serial No. 610,206
10 Claims. (Cl. 88—16.2)

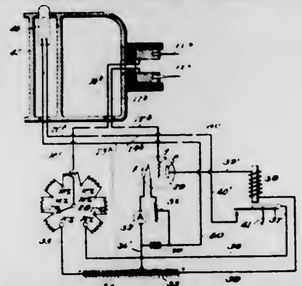


1. In a transmission, a shaft, a second shaft having its axis coincident with the axis of the first mentioned shaft, a third shaft having its axis coincident with the axes of the first mentioned shaft and said second shaft, said third shaft being disposed intermediate the first mentioned shaft and said second shaft, a fourth shaft spaced from and extending parallel to the first mentioned shaft, means for driving the first mentioned shaft, means for driving the second shaft, clutch means for coupling the first mentioned shaft to said third shaft, clutch means for coupling said second shaft to said third shaft, means including a clutch for operatively connecting the first mentioned shaft to said fourth shaft, and means including a clutch for operatively connecting said second shaft to said fourth shaft.

2,003,076
PROCESS FOR THE HEAT TREATMENT OF OILS AND FATS, MORE PARTICULARLY FOR THE PURPOSE OF BLEACHING AND HARDENING SAME
Wilhelm Gensecke, Gonsenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 7, 1930, Serial No. 487,093. In Germany April 4, 1930
1 Claim. (Cl. 87—12)

The process of producing a neutral bleached edible oil or fat which comprises separating the albuminous and mucilagenous matter from a colored edible oil or fat, separating the free fatty acids therefrom by neutralization with alkali, heating the oil or fat to a temperature in the neighborhood of 280° C. for a sufficient time to bleach the same, whereby free fatty acids are formed, and directly thereafter distilling off the free fatty acids in a vacuum with the aid of an inert gas.

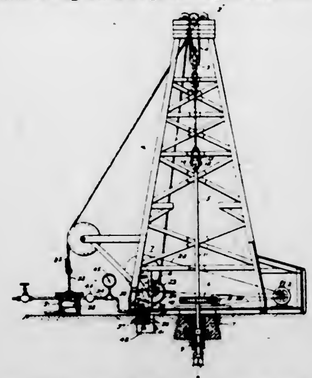
2,003,077
MATERIAL TESTING APPARATUS
Thomas E. Heppenstall, Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo., a corporation of Missouri
Application September 14, 1928, Serial No. 306,050
6 Claims. (Cl. 175—183)



1. Means for grading construction materials having a moisture content, such as a number of pieces of lumber, comprising an audion tube, sources of current for the filament, grid and plate electrodes of said tube, a pair of relatively fixed material penetrating contacts in the grid circuit of said tube, a relay in the plate circuit of said tube, a normally open indicating circuit controlled by said relay, and a potentiometer in circuit with said material engaging contacts and the said grid, said potentiometer being calibrated in terms of moisture content, said relay being actuated to close the indicating circuit as a reduced current flows in the plate circuit of said tube due to an increased flow of current in the grid circuit when the material engaging contacts are forcibly driven into a piece of material having a moisture content above that for which the potentiometer has been set.

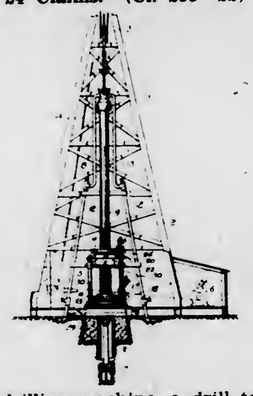
2,003,078
DRILLING MACHINE
Frederic W. Hild, Los Angeles, Calif.
Original application February 2, 1921, Serial No. 441,768. Divided and this application January 30, 1930, Serial No. 424,563
24 Claims. (Cl. 255—19)

11. The combination of a drilling means operative under its own weight for advancing, a brake for regulating the advance of said drilling means, and fluid-pressure means for automatically controlling said regulating brake in accord-



ance with changes in the resistance of the material being drilled, to thereby maintain substantially uniform drilling conditions.

2,003,079
DRILLING MACHINE
Frederick W. Hild, Denver, Colo.
Application February 2, 1921, Serial No. 441,768
Renewed January 15, 1926
24 Claims. (Cl. 255—22)

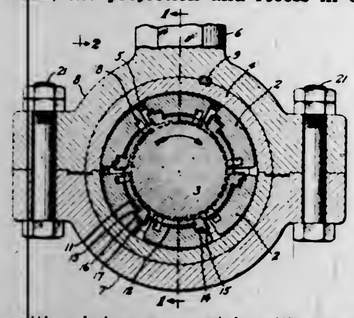


2. In a drilling machine, a drill tool, a fluid body under pressure sustaining the weight thereof, a feed element acting upon the tool, and means actuated by variations in said fluid pressure to control the operation of said element.

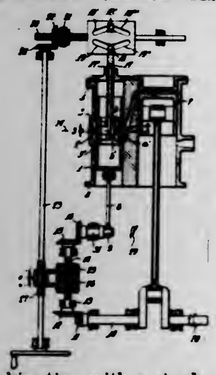
2,003,080
BEARING
Carl Gustaf Janson, Stockholm, Sweden, assignor to Aktiebolaget Nomy, Stockholm, Sweden, a corporation of Sweden
Application June 5, 1931, Serial No. 542,224. Renewed September 6, 1933. In Sweden June 10, 1930
12 Claims. (Cl. 308—73)

1. A bearing comprising an inner member, an outer member, said members being relatively rotatable, and a bearing block between said members, said block and said inner member having irregular surfaces to cause tilting of the block

comprising a projection on said inner member and a recess in said block to cooperate with said projection, the projection and recess in operative position being asymmetric with respect to the block to restrict the block to one manner of fitting with respect to the inner member.



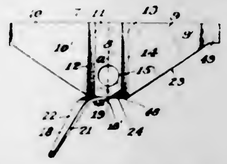
2,003,081
VALVE MECHANISM
Hubert Jexler, Zurich, Switzerland
Application December 10, 1932, Serial No. 646,699
In Germany December 14, 1931
9 Claims. (Cl. 121—142)



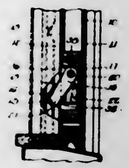
1. The combination with a single acting reciprocating engine having a piston and a crank shaft, of a motive fluid control mechanism including a valve having a passage of invariable size for the motive fluid, means for imparting to said valve a back and forth movement with one stroke for each two strokes of the engine piston, a pair of normally stationary members coacting with said valve to control the flow of motive fluid through said passage, means for varying the time of the stroke of the valve in respect to that of the piston, and means for simultaneously moving said members toward or from each other.

2,003,082
AUTOMATIC COUPLING FOR PIPE LINES, ELECTRIC LINES ON RAILWAY AND OTHER VEHICLES AND THE LIKE
Wilhelm Kaiser and Hans Balke, Lichtenberg, Berlin, Germany, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 4, 1935, Serial No. 9,156
In Germany September 2, 1933
7 Claims. (Cl. 285—58)

5. An automatic connector comprising a front face extending vertically with respect to the longitudinal axis of said connector, a wing extending laterally and rearwardly from one side of said face, another wing extending laterally and forwardly from the opposite side of said face, said wings being adapted to cooperate with complemental wings on a second connector for effecting lateral alignment of said faces, a ridge at one side of said first-mentioned face, said first-mentioned face having at its opposite side a recess complemental to said ridge, said ridge and recess being adapted to engage a complemental recess and ridge on said second connector to maintain the faces against relative lateral displacement, and means maintaining said faces against relative vertical displacement.

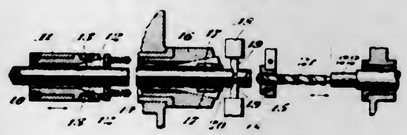


2,003,083
LOCK CONSTRUCTION
Walter E. Keller, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1932, Serial No. 591,530
4 Claims. (Cl. 292—197)



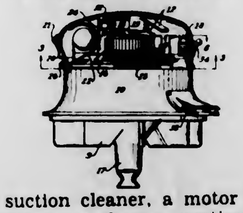
1. The combination with a vertically movable sash, and a lock rack in opposition to the inside face of the same, of a pawl pivotally mounted on the sash for swinging movement into engagement with the rack, and a bolt slidably mounted on the sash at right angles to the direction of movement of the pawl for camming coaction with the latter.

2,003,084
METHOD OF MAKING NUT BLANKS
James A. Kinney, Lebanon, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 13, 1933, Serial No. 702,117
8 Claims. (Cl. 10—86)



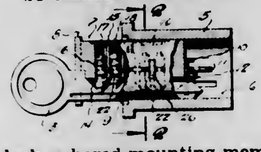
1. A method for manufacturing nuts, comprising the steps of rolling a hexagon bar having geometrical and tolerance characteristics equivalent to a cold rolled bar of similar size, removing the scale from the bar, producing drilled nut blanks from said scaled bars, brightly finishing the facets of the blanks by burnishing, and then tapping the blanks.

2,003,085
SUCTION CLEANER
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 31, 1934, Serial No. 709,063
In Great Britain January 5, 1934
8 Claims. (Cl. 240—2)



1. In a suction cleaner, a motor including a casing portion, a frame portion extending rigidly at the side of said casing portion, an armature rotatably supporting said frame portion, a removable casing portion enclosing said frame portion and provided with an opening on one side, a light reflector, socket, and bulb carried by said removable casing portion adjacent said opening and within the normal periphery of said casing portion, and current-carrying means connecting said socket with a source of electric current.

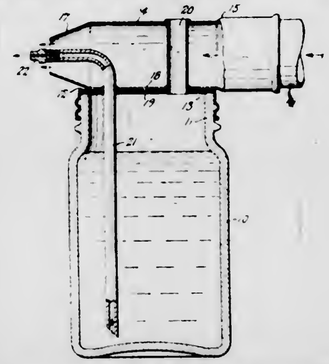
2,003,086
CYLINDER LOCK
Samuel A. Liss, Philadelphia, Pa., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 31, 1933, Serial No. 663,805
24 Claims. (Cl. 70—47)



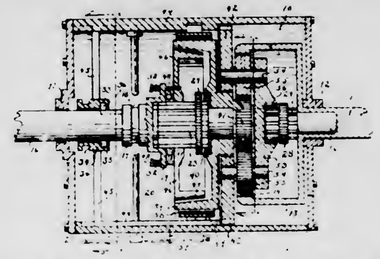
1. In a lock, a bored mounting member, a lock cylinder rotatable therein, a plurality of key operable tumblers carried by the cylinder and having linear movement transversely of the cylinder, and another tumbler movable in a plane angularly disposed to the plane of movement of said plurality of tumblers and operable by any one of said plurality of key operable tumblers to a position interlocking the cylinder and its mounting members.

2,003,087
SPRAYER
Erik Sigfrid Lynger, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 25, 1933, Serial No. 653,452
In Germany February 9, 1932
3 Claims. (Cl. 299—89)

1. A sprayer without moving parts comprising a liquid container having an open top, a cover member engageable with said container, an air supply tube secured to and in contact with said cover member, one end of said tube being adapted to be connected to an air supply conduit and to form a hand-grasp member and the other end of said tube being constricted to form an air blast nozzle, a liquid riser conduit extending through, and being supported by said cover member, one end of said riser conduit extending to near the bottom of said liquid container and the other end extending within said air supply tube and terminating in a liquid nozzle adjacent to said air blast nozzle, said air supply tube and said cover member being formed with aligned continuously open apertures in adjacent portions for supplying air to said container, and an unobstructed relief tube extending through said cover member for establishing communication between the interior of said container and the atmosphere, said relief tube having a greater cross-sectional area than the cross-sectional area of said apertures and having an upper opening so located with respect to said hand-grasp member as to be closable directly by the same hand of the operator as is holding said hand-grasp member.



2,003,088
SEMIAUTOMATIC TRANSMISSION
Archie G. McGuire, Fort Dodge, Iowa
Application December 18, 1933, Serial No. 702,952
10 Claims. (Cl. 74—260)



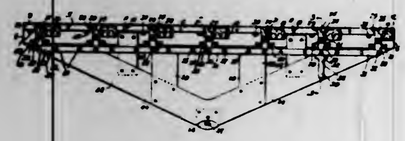
1. In a device of the class described, a shaft designed to be operatively secured to a prime mover, a second shaft, an internal ring gear secured to said second shaft, a plate member rotatably mounted on said first shaft, an external gear rotatably mounted on said first shaft, an external gear rotatably mounted on said plate and engaging the said first-mentioned external gear and the said internal ring gear, a clutch mechanism secured to said first-mentioned external gear, governor mechanism operatively secured to said first shaft and said clutch mechanism for engaging and disengaging said clutch mechanism, an internal clutch secured to said plate, and an external clutch operatively secured to said first shaft capable of being manually placed in engagement with the internal clutch on said plate.

2,003,089
DAY AND NIGHT ILLUMINATED PLATE FOR SIGNS
John M. Moore, New York, N. Y.
Application April 12, 1934, Serial No. 720,237
2 Claims. (Cl. 40—133)



1. A day and night illuminable plate for signs, comprising a front opaque background member of phenol condensation material having character openings, and a back translucent member upon the back of said front member and also of phenol condensation material and integrally joined therewith with solvents.

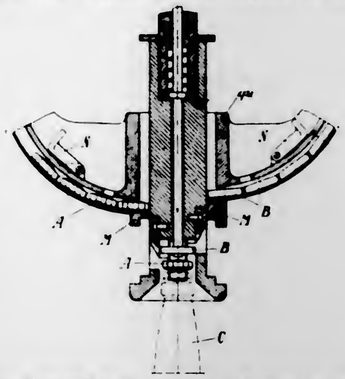
2,003,090
CLAMP
Thomas Pesci, Raritan, N. J.
Application October 25, 1934, Serial No. 749,886
2 Claims. (Cl. 24—250)



1. A clamp for gripping the edge of a large sheet of linoleum or the like, comprising a relatively long base forming a clamp jaw along one of its longitudinal edges, a clamp plate forming a jaw coacting with the first mentioned jaw, hinges secured to the base and to the opposite edge of the clamp plate relatively to the jaw upon the latter, pivot pins secured upon the base having their axes perpendicular to the base and at right angles to the axis of the clamp plate, levers rotatably mounted upon said pivot pins, a part upon each lever arranged for engaging the clamp plate for turning it about the hinges to close said jaws, a dip upon the clamp plate arranged to be engaged by one of said levers for opening the jaws, a connecting bar connecting the levers for simultaneous operation, and an operating hand tool detachably mounted upon a lever.

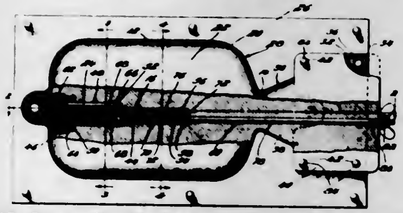
2,003,091
METHOD OF AND DEVICE FOR CLOSING UP VESSELS, ESPECIALLY BOTTLES
Rudolf Remy, Munich, Germany, assignor to Willy Faltlhauser, Munich, Germany
Application May 28, 1931, Serial No. 540,749
In Germany June 2, 1930
22 Claims. (Cl. 226—81)

1. Apparatus for applying to a receptacle a closure that is adapted to be expanded and contracted in applying and removing the same comprising means for supporting a receptacle, means for supporting a closure in position to be applied to the receptacle, means for bringing the closure and receptacle into engagement to apply the closure to the receptacle, and means movable with respect to the closure to engage



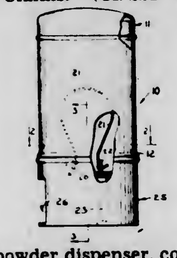
the top thereof and expand the same prior to applying the closure to the receptacle.

2,003,092
APPARATUS FOR MOLDING A LIQUID BAG
Antonio Richards, Providence, R. I.
Application April 14, 1934, Serial No. 720,523
13 Claims. (Cl. 18—35)



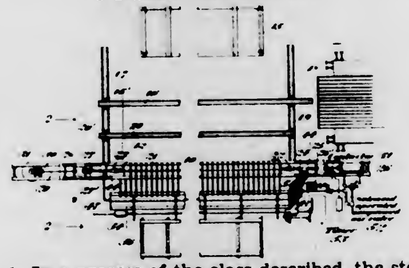
13. In a liquid bag molding apparatus, a lower mold having a hemi-liquid bag and neck concavity, core means adapted to receive a cover of rubber or other plasticizable material to be vulcanized and/or molded and to lie therewith in a molding position in said lower mold, including a main core portion of the desired shape of the interior of the bag and of the thickness of the bag except for the rounded edges and constricted neck thereof having a cut-out portion slightly offset from the vertical central line thereof including a base portion, a center portion of less width, said base portion having holes projecting upwardly therefrom in said core and said center portion having vertical grooves extending laterally inwardly thereof, and an upper portion of less width extending laterally on one side of the vertical central line thereof a slight distance and a substantial distance on the other side thereof, said main core also having a hole extending vertically upwardly from said second offset side of said upper cut-out portion to the top portion of said core, a supplemental core portion substantially complemental to the cut-out portion, having a complemental base having pins projecting vertically upwardly therefrom within said main core holes, a center portion having splines projecting laterally thereof within said main core grooves, and an upper portion of less width than said cut-out upper portion, extending from the second side of said cut-out portion to a line spaced from the vertical central line of said core an amount equal to the amount that the first side of said cut-out is spaced from said vertical center, to form a liquid bag wall forming slit extending vertically near the center of said composite core, and a rod projecting from the upper portion thereof through said hole in said main core and having a threaded end extending beyond the mold end wall, a nut threaded on said rod end to clamp said mold portions together and an upper mold having a cooperating hemi-liquid bag and neck to overlie said core and rubber covering thereof to mold the exterior of said liquid bag with said lower mold.

2,003,093
TOOTH POWDER DISPENSER
Herbert Barnum Seeley, New York, N. Y.
Application July 14, 1934, Serial No. 735,093
12 Claims. (Cl. 221—62)



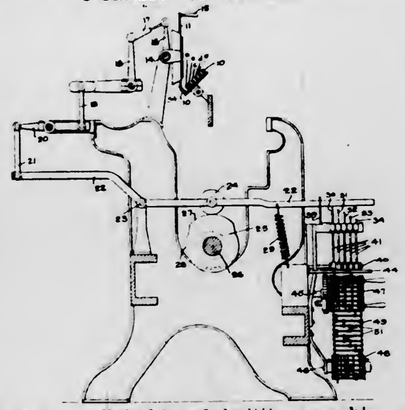
1. A tooth powder dispenser, comprising a container, a valve arrangement disposed in the bottom and provided with a spring to bias the valve to closed position and means for operating said valve projecting below the container, and a bottom receptacle detachably carried by the container to house the operating means of the valve and to receive a tooth brush being directed against said means to open the valve and cause the powder in the container to deposit directly upon the brush, said bottom receptacle being removable from said container independently of said valve.

2,003,094
METAL ARTICLE AND METHOD OF PREPARING SAME
William Robert Shimer, Bethlehem, and James A. Kinney and Frank O. Kichline, Lebanon, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 4, 1930, Serial No. 473,004
Renewed October 27, 1934
5 Claims. (Cl. 148—12)



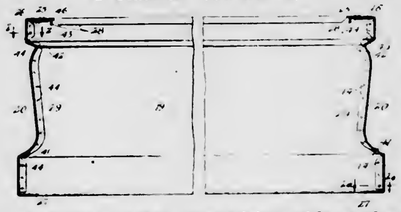
1. In a process of the class described, the steps of upsetting the end of a rod, heating the entire rod above the critical range, subjecting such rod to sufficient tension to straighten, quenching the end, drawing such quenched end by means of the residual heat in the rod and allowing the rod to cool in the air.

2,003,095
FULL FASHIONED KNITTING MACHINE
George A. Strauch, Rockledge, and Emil F. Richter and Joseph Earnest Garrett, Philadelphia, Pa., assignors to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Delaware
Application April 16, 1934, Serial No. 720,716
5 Claims. (Cl. 66—127)



1. In a full-fashioned knitting machine, in combination, a plurality of reciprocable thread carrier bars, a rockable member adapted to engage any one of said carrier bars to effect its movement in either direction, a main lever operative to rock said member to varying degrees so as to effect its engagement with one or the other of said bars, a rectilinearly shiftable stop member for each carrier bar movable into position beneath said main lever and adapted to govern the movement of said lever depending upon which of said carrier bars is to be actuated, each stop member being spring-biased to normally maintain it in inoperative position with respect to said main lever, and means for selectively shifting said stop members in accordance with a predeterminedly fixed order into operating positions relatively to said main lever, said means including a plurality of bell crank levers directly engaging the several stop members and adapted to selectively shift the latter into lever-intercepting position against the restraining influence of the spring bias to which each stop member is subjected.

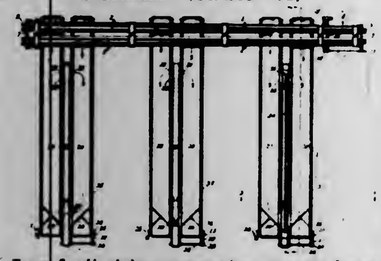
2,003,096
BURIAL CASKET
Lester N. Strunk, Boyertown, Pa., assignor to Boyertown Burial Casket Company, Boyertown, Pa., a corporation of Pennsylvania
Application January 11, 1935, Serial No. 1,270
4 Claims. (Cl. 27—6)



1. A burial casket comprising side and end sheets of relatively thin flexible metal having like irregular contours in cross section, an inturned

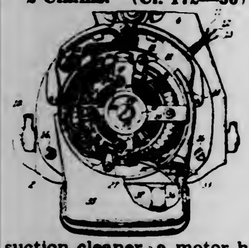
end flange on an end sheet and normal thereto, the broadside of said flange being of the same irregular contour as the sheets, the adjacent end portion of the adjacent side sheet having its end edge of said irregular contour and being unflanged, and means securing said unflanged portion of said side sheet to said end sheet at the flange thereof and in lapped relation thereto.

2,003,097
FRUIT SIZER
George P. Vickery, Glendora, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 2, 1930, Serial No. 458,959½
6 Claims. (Cl. 209—71)



1. In a fruit sizing apparatus, means for separating fruit into groups according to size, and a packing conveyor adapted to receive fruit therefrom, said conveyor comprising an endless packing belt, an endless return belt having its lower run disposed alongside the upper run of the packing belt and inclined relative thereto whereby a portion of the lower run of the return belt is higher than the upper run of the packing belt, and a portion thereof is lower than the upper run of the packing belt, means for diverting fruit from the upper run of the packing belt to the lower run of the return belt at a point where the latter is below the former, and means for diverting said fruit back from the lower run of the return belt to the upper run of the packing belt where the former is higher than the latter.

2,003,098
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 9, 1933, Serial No. 697,233
2 Claims. (Cl. 172—36)



1. In a suction cleaner, a motor having a stationary field, a frame including spaced arms which extend axially and radially at the side of said field to provide a bearing seat at a point spaced at the side of said field, a bearing in said seat, an armature carried by said frame with its shaft mounted in said bearing; a terminal block including mutually insulated terminals carried by said frame and extended between certain of said spaced arms, said block being positioned between said arms and said armature, said terminals facing radially outward between the axially extending portion of said arms; and current-carrying leads connected to said terminals and between said terminals and said motor.

2,003,099
LUGGAGE BAG
Leonard George Arpin, Fort Lauderdale, Fla., assignor of one-half to Howard C. Jelks, Fort Lauderdale, Fla.
Application May 20, 1933, Serial No. 671,977
6 Claims. (Cl. 190—43)



1. A luggage bag comprising flexible side members and an intermediate flexible web connecting said side members and forming the top, bottom and side edges of said bag, a curved metal plate in the top portion of the bag, said web having an entrance slit extending over said metal plate, hookless fasteners for closing said slit, a handle secured to the top portion of said bag, a second handle secured to the bottom portion of said bag, said bag being adapted to be folded at mid-section and the handles brought together for carrying the same.

2,003,100
LUGGAGE BAG
Leonard George Arpin, Fort Lauderdale, Fla., assignor of one-half to Howard C. Jelks, Fort Lauderdale, Fla.
Application October 11, 1933, Serial No. 693,075
11 Claims. (Cl. 190—43)



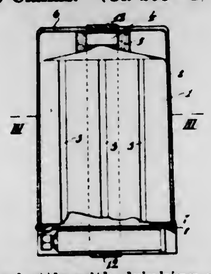
1. In a luggage bag, flexible side members, a web connecting said side members, reinforcements at the ends of said bag, a handle secured to each reinforcement whereby the bag may be folded to bring said handles into contacting relation and a reinforcement upon one side of the bag for forming a bottom therefor in its folded relation.

2,003,101
FLOWER HOLDER
Arthur W. Asman, Lombard, Ill.
Application June 3, 1933, Serial No. 674,175
13 Claims. (Cl. 47—41)



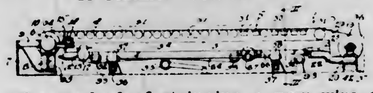
8. In an article of the class described, a wire bent into serpentine double spiral configuration, substantially an ellipsoid of revolution, adapted to receive flower stems, said wire having sufficient strength to support said stems, and a vacuum cup connected with said wire for supporting the wire in operative position to receive stems and adapted to be detachably secured on any surface.

2,003,102
TRAVELING SET
Julius Baer, Munich, Germany
Application October 18, 1933, Serial No. 694,050
In Germany November 9, 1932
5 Claims. (Cl. 206—1)



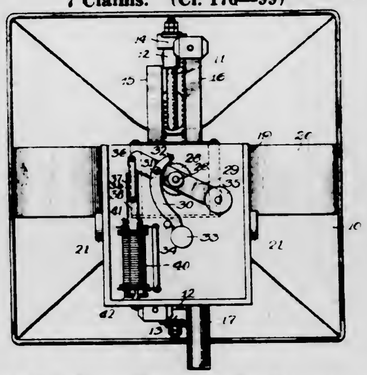
1. Traveling bottle with drinking cup, in which the cup put on the bottle from above encloses the bottle tightly and in which the rim of the cup rests on a ring-shaped projecting part provided on the lower end of the bottle, whereby both parts are attached to each other in such a manner, that they can be separated at once, on the outside of the bottle, or on the inside of the cup wall, grooves or channels being provided for, by means of which the space formed between cup and bottle on the one hand, and the open air on the other hand, communicate with each other.

2,003,103
MEANS AND METHOD OF STRINGING A FOURDRINIER WIRE
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application August 20, 1932, Serial No. 629,716
45 Claims. (Cl. 92—44)



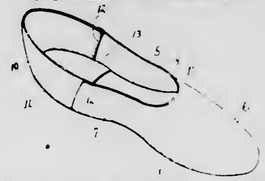
1. The method of stringing a new wire on a laterally removable Fourdrinier paper machine, which comprises suspending a new wire in a loop at one side of the Fourdrinier table structure, moving said table structure laterally into said loop of wire, supporting said wire on said table structure, tightening the wire on the table structure and moving said table structure back into operating position in the machine with said wire supported thereon.

2,003,104
ARC LAMP
Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Application April 14, 1933, Serial No. 666,191
7 Claims. (Cl. 176—99)



1. An arc lamp comprising two carbon supporting racks, a single pinion engaging said racks to move them in opposite directions, a solenoid connected in series in the circuit of said carbons, a core for said solenoid, pawl and ratchet mechanism actuated by the movement of said core for rotating said pinion to move said carbons toward and away from each other, to maintain an arc of substantially constant average length during consumption of said carbons, said mechanism comprising positive mechanical connections operative during the entire period of energization of said solenoid, but inoperative during the de-energization thereof, whereby said racks and carbons may be manipulated without reference to said solenoid when the circuit is open and a circuit in parallel with said solenoid and in series with said carbons to permit a heavy current to flow through the arc formed between said carbons and increase the light emitted thereby without materially increasing the strength of said solenoid.

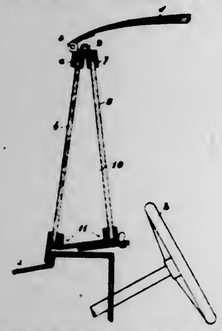
2,003,105
REPAIR LINING FOR SHOES
Benjamin Caplan, Philadelphia, Pa.
Application February 11, 1933, Serial No. 656,236
2 Claims. (Cl. 36—55)



1. A repair lining for shoes to be secured in a shoe in place of the original lining after the latter has been removed, said repair lining comprising a sole of material such as leather, a vamp portion of material such as canvas stitched along its
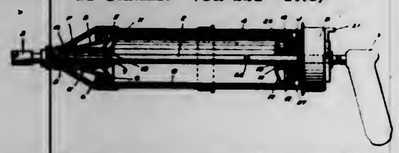
lower edge to the edge of the forward part of the sole, a counter of material such as leather stitched along its lower edge to the heel part of said sole and having its forward ends stitched to the rear ends of the inner and outer sides of the vamp, and a heel pad of material such as leather superimposed upon the heel portion of the sole and secured thereto.

2,003,106
WINDSCREEN
Charles François Carlotti, Brussels, Belgium
Application July 27, 1933, Serial No. 682,402
In Germany July 28, 1932
3 Claims. (Cl. 20—40.5)



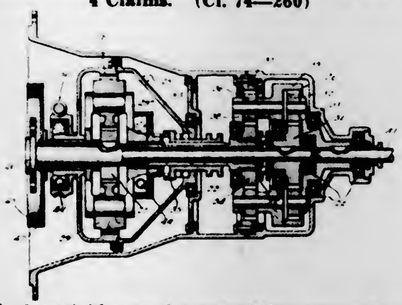
1. In a wind screen for motorcars and other vehicles in combination walls, the said walls being arranged according to inclined upwardly converging planes, and both inclined divergently downward relatively to a vertical plane therebetween, whereby a closed chamber having a larger width at the bottom than at the upper portion is formed between the said walls, and heating means arranged at the bottom of the said chamber, whereby the ascending hot air is put directly into contact with the said walls, the cold air falling down between the two ascending streams of hot air.

2,003,107
LUBRICATING DEVICE
Adiel Y. Dodge, South Bend, Ind., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application October 15, 1932, Serial No. 637,921
14 Claims. (Cl. 221—47.4)



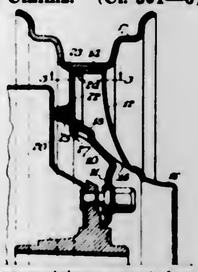
1. In combination, a lubricant gun having a high pressure cylinder, a lubricant cartridge having an outlet in one end, an apertured piston forming a movable end wall for the cartridge, means for mounting the cartridge upon the gun with its outlet in communication with said cylinder, a piston adapted for operation in said cylinder, a piston operating plunger extending through said cartridge and through said apertured cartridge piston, and means including separable telescopic members for establishing a lubricant tight seal between said cartridge piston and said plunger.

2,003,108
VARIABLE SPEED TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application December 12, 1922, Serial No. 646,777
4 Claims. (Cl. 74—260)



1. A variable speed transmission comprising a planetary differential gear set with its reactance member or ring gear fixed, a second planetary differential gear set, and a variable speed unit of a mass inertia impulse type and a drive shaft, said drive shaft being connected to the driving gear of the second differential gear set and also connected to the driving member of the variable speed unit, the driving member of the first differential gear set connected to the reactance member of the second differential gear set, the driven member of the variable speed unit connected to the driving member of the first differential gear set.

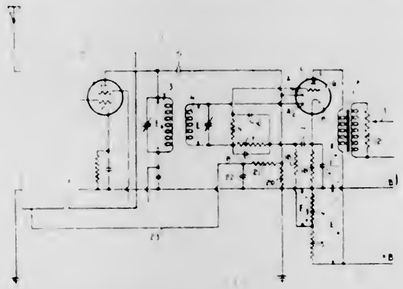
2,003,109
WHEEL STRUCTURE
Warren H. Farr, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1932, Serial No. 613,842
20 Claims. (Cl. 301—6)



7. A wheel comprising a metal spoke of channel-section and a closure member therefor including a resilient portion for locking the member to the spoke.

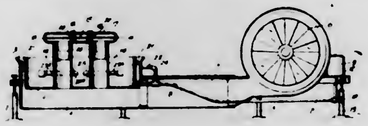
2,003,110
RADIO RECEIVING SYSTEM
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 4, 1932, Serial No. 641,280
7 Claims. (Cl. 250—20)

1. In a radio receiver, an automatic control system comprising a pair of rectifiers, input means for impressing radio voltages upon each rectifier, an output circuit for each rectifier, means impressing bias voltages upon each rectifier to render the same inoperative for radio input voltages of less than predetermined values, and means energized by the rectified output of one rectifier for automatically reducing both bias



voltages when the input on said one rectifier rises above the predetermined value below which no rectification obtains.

2,003,111
OIL BURNER
Henry L. Fischer, East St. Louis, Ill., assignor to Eagle Foundry Company, Belleville, Ill., a corporation of Illinois
Application October 3, 1932, Serial No. 635,940
4 Claims. (Cl. 158—92)

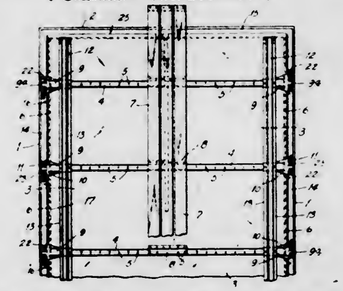


1. An oil burner comprising a fire pot having an air chamber surrounding the bottom and sides thereof, means for delivering air to said chamber, an oil supply pipe opening into said fire pot, a conduit leading upwardly from said air chamber through the bottom of said fire pot, an outlet head at the upper end of said conduit, said chamber being provided with outlet openings adjacent to the upper edge of said fire pot, and a plurality of horizontally disposed pipes located inside said fire pot and communicating therewith and with said chamber.

2,003,112
SEALING COMPOUND FOR PNEUMATIC TIRES AND METHOD OF MAKING THE SAME
Hartly French and William Frederick Welbeloved, Toronto, Ontario, Canada, assignors to Christopher William Chant, Toronto, Ontario, Canada
No Drawing. Application April 3, 1934, Serial No. 719,808. In Canada January 29, 1931
12 Claims. (Cl. 134—17.5)

1. A tire sealing composition, including finely comminuted asbestos intimately associated with a substantially less amount of powdered magnesia and mixed with a dilute solution of water containing glucose, a substantial percentage of calcium chloride, and a much smaller percentage of an alkali; all combined in proportion insuring hydration of a substantial part of the magnesia and a paste-like consistency for the composition.

2,003,113
GONDOLA CAR ROOF
Garth G. Gilpin, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application December 26, 1931, Serial No. 583,272
7 Claims. (Cl. 105—377)



1. A gondola car roof comprising a series of roof sheets spanning the car from side to side and connected together to form a self-supporting roof, hinge devices for securing the roof to the car at the eaves, said devices including slidable pivots adapted to be engaged with and disengaged from said roof, whereby said roof is adapted to be swung upwardly from either side of the car or removed bodily therefrom, and a brace located entirely inside of and carried entirely by the roof in closed position for supporting the roof when it is swung upwardly from either side of the car.

2,003,114
GARMENT PROTECTOR
Samuel J. Goldsmith, Chicago, Ill.
Application November 26, 1934, Serial No. 754,701
3 Claims. (Cl. 223—61)

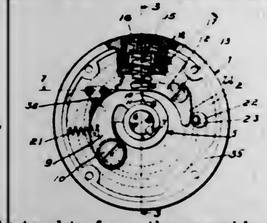


1. As a new article of manufacture, a garment protector of the hood type comprising similarly shaped front and back pieces positioned one in front of the other and having arched top margins and substantially straight side margins, one of said pieces being formed of a centrally folded sheet of transparent "Cellophane" type material and having the fold unbound and arranged to form a straight bottom margin therefor and having the edges of the opposed pieces resulting from folding coincide one with the other so that it is of double thickness throughout, and a connecting strip between and connected to the top and side margins of the two pieces and having means associated therewith forming an aperture at the top of the protector for the hook of a clothes hanger.

2,003,115
LOAD LIMITING DEVICE
Henry P. Grohn, Chicago, Ill.
Application September 26, 1932, Serial No. 634,907
5 Claims. (Cl. 192—150)

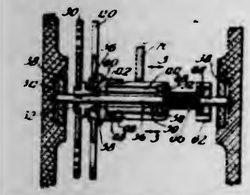
1. In a load limiting device of the character described including a driving element and a driven element, a movable member on one of said ele-

ments, an engaging surface on the other element, a cooperating engaging surface on said movable member, means for yieldably holding said surfaces in engagement to drive said driven element to a predetermined load limit, said surfaces being ar-



ranged to tend to force the movable member out of engagement at said predetermined load limit, and means controlled by said holding means to quickly complete the disengagement at said predetermined limit.

2,003,116
ELECTRIC CLOCK MOTOR
Laurens Hammond, Chicago, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1932, Serial No. 610,097
5 Claims. (Cl. 172—275)

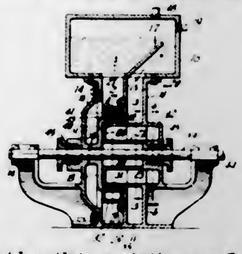


1. In a synchronous motor, the combination of a shaft, a rotor fixed to said shaft and having a conical bearing surface, an inertia flywheel having a bearing surface cooperable with said conical bearing surface on said rotor, and a compression spring for pressing said inertia wheel toward said rotor to maintain the bearing surfaces thereof in contact.

5. In a synchronous alternating current motor, the combination of a rotor shaft, a rotor secured thereto, a pinion rotatable on said shaft, an inertia wheel rigidly secured to said pinion, and a compression and torsion spring having its ends anchored to said pinion and to said shaft respectively, said spring resiliently resisting relative rotational movement between said inertia wheel and said shaft, and resiliently pressing said inertia wheel and pinion in a direction longitudinally of said shaft.

2,003,117
FLUID DISPLACING PUMP
Edward F. McCarthy, Chicago, Ill., assignor of one-half to Charles H. McCarty, Chicago, Ill.
Application May 26, 1934, Serial No. 727,601
3 Claims. (Cl. 230—75)

1. In a pump of the character described, the combination with a casing to contain a circulating liquid and provided with a fluid outlet; of a stationary member within the casing and ported for the inlet and outlet of a liquid respectively from and return to the casing, said member being also independently ported for the inlet of a fluid from the exterior of the casing and for the outlet of the fluid into the casing; a vaned impeller rotatable about said stationary member in such manner that the inner ends of the vanes successively pass over the liquid and fluid outlet ports of said member; a stationary partition exteriorly concentric with the impeller and disposed opposite the fluid port outlet of the stationary member to thereby maintain an area of reduced pressure beneath a vane while passing



over the fluid outlet; a stationary fluid stripper adjacent the periphery of the impeller and having its advance edge opposite the liquid outlet port of the stationary member, said partition and stripper being spaced from each other to thereby permit the discharge of liquid and fluid from the impeller into the casing; and means for conducting the fluid to be displaced from outside of the casing to said stationary member.

2,003,118
ELECTRIC WELDING APPARATUS
George E. Mirfield, Robert E. Lewis, and Cyril Firth, Youngstown, and John E. Neale, Girard, Ohio, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application March 22, 1933, Serial No. 662,098
18 Claims. (Cl. 29—33)



1. The combination with apparatus for welding together the edges of an axial seam cleft in a formed tube blank, of means for effecting a predetermined positioning of the seam cleft relative to the welder including a roll table for moving the blank axially, auxiliary supports for lifting the blank from the table and rotating it, and retractible means for entering the seam cleft upon its arrival at the predetermined position.

2,003,119
EXPANSIBLE BELLOWS
Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application April 10, 1934, Serial No. 719,868
5 Claims. (Cl. 236—99)

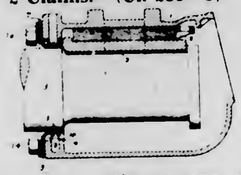
1. As an article of manufacture, an expansible bellows comprising a base member having a flat inner face, a head having a flat inner face, a corrugated cylinder joining the head and base member and arranged to normally hold the inner faces of said head and base member against each other, the flat inner faces of said head and base members being surrounded by portions contoured

to substantially conform to the inner surface of said corrugated cylinder, and means for supply-



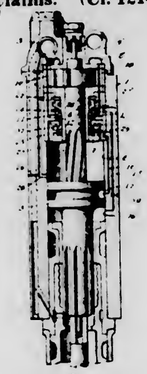
ing a fluid to said bellows between the head and base member for moving them relative to each other.

2,003,120
OIL SEAL AND DUST GUARD FOR JOURNAL BOXES
William B. D. Penniman, Lawyer's Hill, Md.
Application July 29, 1927, Serial No. 209,256
2 Claims. (Cl. 286—5)



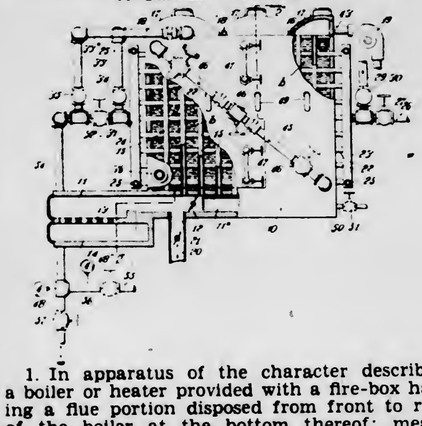
1. Means for preventing escape of oil from journal boxes of railway rolling stock wherein the weight of the car is received by the axle through a segmental bearing thereby permitting substantial transverse movements between the axle and the bearing and its associated journal box incident to operation, said means comprising a resilient, elastic sheet of packing material secured in substantially oil-sealing relation to the end of the journal box, and having an axially extending flange portion closely embracing the end of the axle whereby said transverse movements are substantially absorbed in the portion of said sheet lying between the securing means and the axle.

2,003,121
PERCUSSIVE TOOL VALVE
Herman J. Schorle, Astoria, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application August 18, 1934, Serial No. 740,368
10 Claims. (Cl. 121—28)



1. In a percussive tool, the combination, of a cylinder, a hammer piston in the cylinder, a valve chest having a valve chamber and a pressure fluid inlet passage, said chest having fluid supply passages leading from said chamber to said cylinder, a valve in said valve chamber, a central flange on said valve co-operating with adjacent surfaces on the valve chest to provide restricted passages for controlling delivery of pressure fluid to said cylinder, one end of said valve being of greater area than the other end, and a valve-holding area formed internally of said flange and intermittently subjected to pressure for holding the valve in position.

2,003,122
APPARATUS FOR HEATING, POWER, AND REFRIGERATION PURPOSES
August Schwarz, Chicago, Ill.
Application March 2, 1934, Serial No. 713,685
27 Claims. (Cl. 257—6)

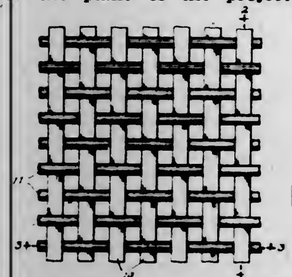


1. In apparatus of the character described, a boiler or heater provided with a fire-box having a flue portion disposed from front to rear of the boiler at the bottom thereof; means whereby the flue portion is separated into a plurality of flue chambers; the upper part of the boiler being provided with a plurality of flue-gas chambers; a plurality of vertically arranged flue tubes disposed intermediate of said flue portion and said flue-gas chambers; a plurality of horizontal medium conveying tubes arranged in vertical series intermediate of the vertically disposed flue tubes; manifold means at the inlet ends and at the outlet ends of said medium conveying tubes; and valve controlled means whereby a heat exchange medium may be introduced into the chamber of the boiler or heater into contact with all of said tubes.

2,003,123
WOVEN WIRE BELT FOR PAPER MAKING MACHINES
Harry G. Specht, Montclair, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application June 22, 1934, Serial No. 731,874
9 Claims. (Cl. 245—8)

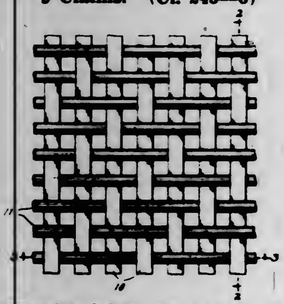
1. Woven wire fabric for paper making machines comprising interwoven warp and weft wires with knuckles produced in both the warp and weft wires, the warp wires throughout their length being of non-circular cross-section elongated in one dimension, said elongated dimension being parallel to the plane of the woven wire fabric whereby the weft knuckles cross the elongated faces of the warp wires and have their outer projected surfaces substantially coextensive transversely with said elongated faces

to present a greater weft knuckle surface contiguous to the plane of the projected warp



knuckles than would be the case if the weft knuckles were formed about circular cross-section warp wires.

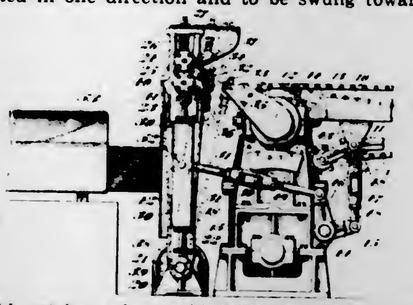
2,003,124
WOVEN WIRE BELT FOR PAPER MAKING MACHINES
Harry G. Specht, Montclair, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application June 22, 1934, Serial No. 731,875
9 Claims. (Cl. 245—8)



1. Woven wire fabric for paper making machines comprising interwoven warp and weft wires with knuckles produced in both the warp and weft wires, the warp being carried over one and under a plurality of weft wires, the warp wires throughout their length being of non-circular cross-section elongated in one dimension, said elongated dimension being parallel to the plane of the woven wire fabric whereby the weft knuckles cross the elongated faces of the warp wires and have their outer projected surfaces substantially co-extensive transversely with said elongated faces to present a greater weft knuckle surface contiguous to the plane of the projected warp knuckles than would be the case if the weft knuckles were formed about circular cross-section warp wires.

2,003,125
PILING DEVICE FOR SHEET MILL TABLES
Richard H. Stevens, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application March 23, 1934, Serial No. 716,962
14 Claims. (Cl. 80—43)

1. The combination with a catcher having a conveyor table adapted for rocking movement about a horizontal axis, of pinch-rolls mounted on the upper end of a swinging member pivotally supported at the rear end of said catcher for discharging sheets from said table to form a pile, said member being adapted to be swung away from said catcher when said table is tilted in one direction and to be swung toward
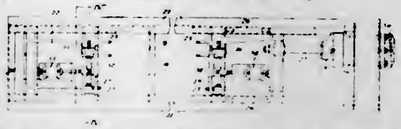


said catcher when said table is tilted in the other direction, said swinging member having means adapted to engage and align said delivered sheets when swung away from said catcher.

2,003,126
SIGN
Elmer L. Torstenson, Evanston, Ill.
Application May 14, 1934, Serial No. 725,498
10 Claims. (Cl. 40—125)



1. A sign construction comprising a backing and individual sign characters mounted on said backing, each sign character comprising a holder member having the general outline of the character and having a recess therein also having the general outline of the character, a plate member fitting in said recess and also having the general outline of the character, said plate member being of translucent material having a diffusing surface and provided with a reflecting coating on its rear surface, and means in said recess for sealing against the entrance of moisture at the edges of the junction between the plate member and the reflecting coating.

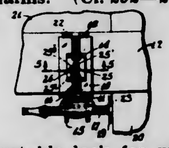
2,003,127
STRETCHING MACHINE AND METHOD OF OPERATING THE SAME
Arthur H. Vaughan, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application September 19, 1932, Serial No. 633,799
18 Claims. (Cl. 153—35)



1. A stretching machine comprising means for engaging at spaced points the article to be stretched, the engaging means being relatively movable, means for applying a stretching force to an engaging means thereby to move the engaging means and stretch the article, and means actuated upon stretching of the article to reduce the applied force below that required for stretching while continuing to apply sufficient force to hold the article under tension.

10. In the method of operating a stretching machine having relatively movable engaging means for holding an article to be stretched and means for effecting such relative movement, the steps consisting in supplying an article to the engaging means, effecting relative movement thereof to take up slack, continuing the movement in an amount to give a predetermined stretch, and holding the article temporarily in tension irrespective of the slack taken up.

2,003,128
ADJUSTABLE LOCK FOR WINDOWS
Alejo V. Vazquez, New York, N. Y.
Application May 7, 1934, Serial No. 724,322
4 Claims. (Cl. 292—251)



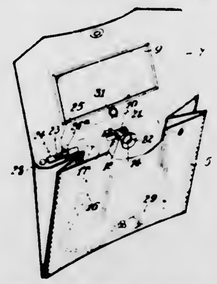
1. In an adjustable lock for windows, an inverted L-shaped body for attachment on the top edge of an inner sash of a window and having a top arm for extending across the top edge of the sash and a vertical arm for extending down along the face of the sash, U-shaped brackets attached at their centers upon said arms, said top bracket being endwise of the plane of the outer sash, said bottom bracket being endwise of the side of a window frame holding said sashes, and screws threadedly engaged through the arms of said U-shaped brackets for engaging into openings in strips attached upon the inner side of the outer sash and the side of the window frame, said U-shaped brackets being adjustably attached upon said body, and headed studs from the body engaging through bayonet slots in said brackets.

2,003,129
CONTROL DEVICE FOR ROLLING MILLS
Carl E. Bedell, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 4, 1933, Serial No. 692,118
16 Claims. (Cl. 80—56)



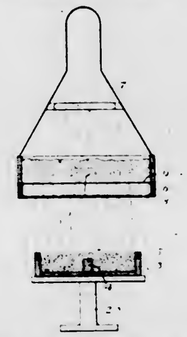
13. The combination with a rolling mill having roll adjusting screws and a motor for driving said screws, of a control device for said motor including a plurality of adjustable contact-actuators movable about a fixed axis, means for manually adjusting the position of each of said actuators relative to the others about said axis, a plurality of contacts rotatable about said axis adapted to engage said actuators respectively, and means for moving the contacts in accordance with the movement of said screws.

2,003,130
LADY'S HAND BAG
Walter O. Benjafield, New York, N. Y.
Application March 11, 1932, Serial No. 598,211
In Canada March 11, 1931
2 Claims. (Cl. 240—6.45)



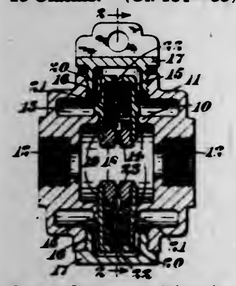
1. A lady's handbag comprising in combination front, rear, and side walls forming a pocket, and a flap connected with the rear wall and foldable over the top of the pocket and over a portion of the front wall, an electric lamp mounted on the upper portion of the inside rear wall and perpendicularly with reference thereto, a battery and electrical conductors mounted in said pocket and connected with said lamp in circuit, a switch in said circuit, said front wall being cut away opposite said lamp, and a lens mounted over and covering an aperture in said flap that is in coincidence with said lamp in the closed position of said flap.

2,003,131
METHOD AND APPARATUS FOR MANUFACTURING ARTICLES OF BONDED GRANULES
Raymond C. Benner, Prescott H. Walker, and William G. Soley, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Original application February 13, 1933, Serial No. 656,500. Divided and this application December 14, 1933, Serial No. 702,332
21 Claims. (Cl. 25—1)



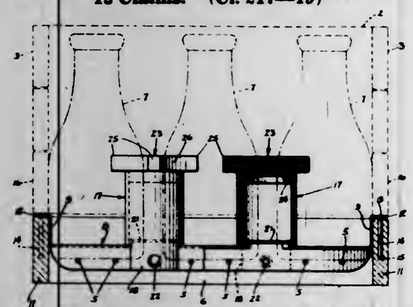
12. Apparatus for the manufacture of bonded articles comprising a riddle having a screen, the mesh of the screen not exceeding five times the diameter of the average particles of grain to be passed therethrough, and a mold spaced below the screen of the riddle to receive screened material directly, the area of the riddle exceeding the area of the mold.

2,003,132
AIR-LINE OILER
John Bliss, London, England, assignor to C. C. Wakefield & Company Limited, London, England, a British company
Application March 24, 1934, Serial No. 717,256
In Great Britain April 7, 1933
15 Claims. (Cl. 184—55)



1. An air-line oiler comprising in combination a lubricant-reservoir, an airway, a valve passage communicating between and opening at its opposite ends respectively to the airway and the lubricant-reservoir, a valve seat in the said passage and a valve in the passage arranged to be seated solely by pressure remaining in the reservoir when air supply to the airway is cut off, and thereby to arrest further flow of lubricant from the lubricant reservoir.

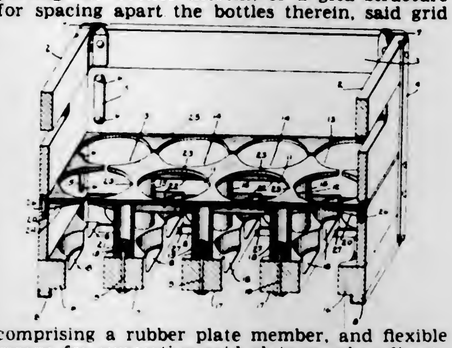
2,003,133
BOTTLE CRATE
Henry V. Bowman, Minneapolis, Minn., assignor to Bowman Products, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application May 14, 1934, Serial No. 725,500
13 Claims. (Cl. 217—19)



1. A bottle crate comprising side and end walls, a perforated bottom supported by said walls, and a plurality of flexible elements formed of yieldable material that is bendable in any direction secured to said bottom in spaced relation and extending upwardly into the crate and cooperating to space apart the bottles to prevent direct contact therebetween.

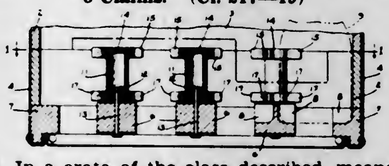
2,003,134
BOTTLE CRATE
Henry V. Bowman, Minneapolis, Minn., assignor to Bowman Products, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application October 26, 1934, Serial No. 750,190
21 Claims. (Cl. 217—19)

1. The combination with a bottle crate comprising a plurality of walls and means for supporting the bottles therein, of a grid structure for spacing apart the bottles therein, said grid



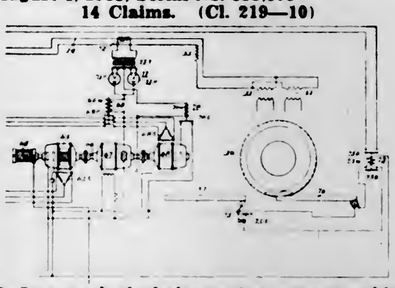
comprising a rubber plate member, and flexible means for supporting said plate member directly upon said bottle supporting means.

2,003,135
BOTTLE CRATE
Henry V. Bowman, Minneapolis, Minn., assignor to Bowman Products, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application October 26, 1934, Serial No. 750,191
8 Claims. (Cl. 217—19)



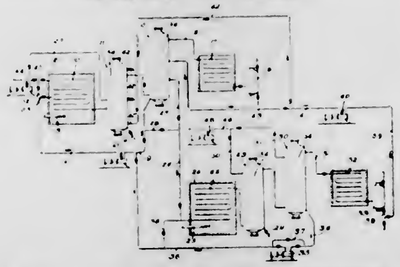
1. In a crate of the class described, means in the bottom thereof for supporting the bottles, and a plurality of bottle spacing elements formed of stretchable and compressible material and flexible in substantially all directions secured to said supporting means and engaging the bottles with a yielding pressure to thereby space them apart.

2,003,136
FREQUENCY CONTROL SYSTEM FOR ELECTRIC WELDERS
James V. Caputo, Crafton, Pa.
Original application December 23, 1931, Serial No. 582,811. Divided and this application August 4, 1933, Serial No. 683,605
14 Claims. (Cl. 219—10)



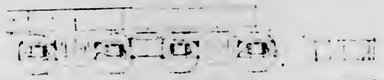
3. In a method of alternating current welding, the steps including supplying current of relatively high frequency to the work while moving the latter at relatively high speed, and decreasing the frequency of welding current and the speed of travel of the work on approaching the end of an individual weld.

2,003,137
TREATMENT OF HYDROCARBON OILS
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 2, 1931, Serial No. 512,855
10 Claims. (Cl. 196—49)



8. The process of treating hydrocarbon oil which comprises passing said oil in a stream of restricted cross section through a heating zone wherein said oil attains a cracking temperature, introducing the resulting heated oil directly into a reaction zone maintained at a substantially constant cracking temperature of the order of 800° F. under a relatively high superatmospheric pressure, wherein additional conversion occurs, passing resulting vapors through a fractionating zone wherein constituents heavier than those desired in the final product are condensed, removing the fractionated vapors and condensing them as a desired product, and introducing directly into said enlarged reaction zone a distillate oil comprising essentially gasoline constituents produced as a result of a cracking operation maintained under a pressure materially below that maintained in said reaction zone, whereby beneficial polymerization of said gasoline constituents takes place.

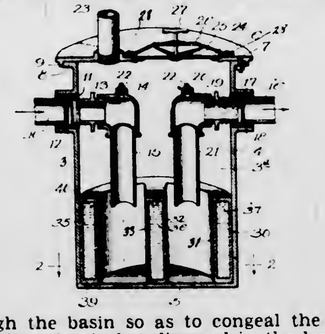
2,003,138
METALLIC STRUCTURE AND METHOD OF MAKING THE SAME
Walter de Fries, Youngstown, Ohio, assignor to The William B. Pollock Company, Youngstown, Ohio, a corporation of Ohio
Application June 23, 1931, Serial No. 546,271
21 Claims. (Cl. 29—164)



1. In the method of forming a structural shape such as a box girder, the steps comprising separately preforming web and flange members, securing lugged diaphragm plates to certain of said members transversely between the same, mechanically interlocking the remaining members in position by the lugs of said plates to form a structure closed on four sides, and welding the structure including welding along outside joints thereof and welding from without the structure said lugs in position.

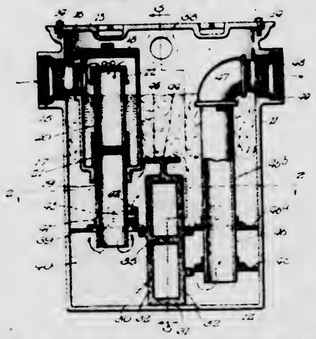
2,003,139
GREASE TRAP
George J. Dehn, Chicago, Ill.
Application May 29, 1930, Serial No. 456,860
3 Claims. (Cl. 182—9)

2. In a grease trap of the character described, the combination of a basin provided with a removable top, means for passing drainage through the basin comprising horizontally extending inlet and outlet pipes outside of the basin, a pair of vertically extending, laterally spaced pipes in the basin, and a pair of horizontal nipples extending through the side wall of the basin and between the inlet and outlet pipes and the upper ends of the vertically extending pipes in the basin and serving to space the vertically extending pipes from the side wall of the basin and to permit of removal of said vertically extending pipes, and means for cooling the drainage during passage thereof



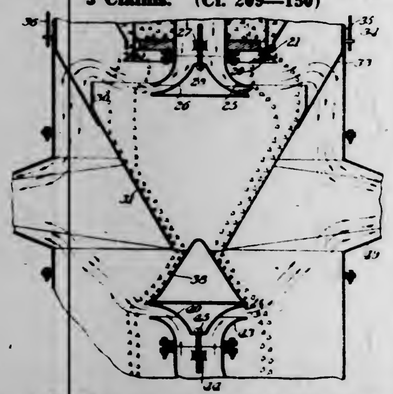
through the basin so as to congeal the grease, consisting of a jacket disposed in the lower end and formed separately from the basin and having a continuous chamber about the side wall of the basin and around the lower ends of the vertically extending pipes of the drainage-passing means, and pipe-connections extending through the basin and adapted to circulate a cooling medium through the chamber, said jacket being removable through the top of the basin for repair or replacement purposes upon removal of said vertically extending pipes and disconnection of the pipe-connections.

2,003,140
GREASE TRAP
George J. Dehn, Chicago, Ill.
Application April 22, 1933, Serial No. 667,390
21 Claims. (Cl. 210—56)



1. In a grease trap of the character described, the combination of a basin provided with an inlet and an outlet for drainage and having a removable cover, means in the basin for separating grease from the drainage as the latter flows through the basin, and means for varying the rate of flow of the drainage through the basin, disposed wholly within the basin and accessible for manipulation only when the cover is removed from the basin.

2,003,141
APPARATUS FOR SEPARATING GRANULAR MATERIAL
Morton I. Dorfan, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application December 14, 1932, Serial No. 647,085
3 Claims. (Cl. 209—150)



1. Apparatus for cleaning granular material comprising means for pouring the material, said pouring means having a substantially annular discharge opening, annular deflecting means below said discharge opening for dividing the poured material into inner and outer hollow streams, and means for blowing air transversely of the freely falling material.

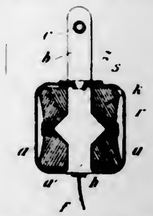
2,003,142
ADVERTISING CALENDAR
Joseph S. Fisher, New York, N. Y.
Application December 27, 1934, Serial No. 759,335
3 Claims. (Cl. 40—107)



1. A combined calendar and greeting card comprising a flat body having the calendar months of the year on the front side thereof, a greeting card including a flexible sheet, a weakened line extending across said sheet adjacent the top edge thereof and parallel thereto, said weakened line dividing the sheet into a cover section and a stub section, said stub section being adhesively secured to the back of said body adjacent the top thereof while said cover section is folded over the top edge and front of said body to lie flat thereagainst.

2,003,143
SUSPENSIBLE CLEW HOLDER FOR THREAD OR THE LIKE
Eduard Goddemeyer, Lippstadt, Germany
Application June 13, 1934, Serial No. 730,444
In Germany June 24, 1933
4 Claims. (Cl. 242—141)

1. In a suspensible clew holder made of a flexible material, a band cross enclosing the clew and having three arms of equal length and one arm of larger length, end eyelets in the three



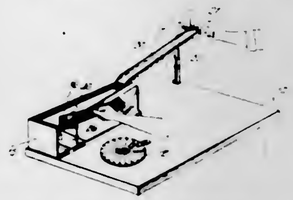
equal arms and through which the longer arm extends so as to be adapted to serve as a suspension strip.

2,003,144
BROACHING TOOL
Frank F. Graham, Jr., Cardiff, Md.
Application October 27, 1933, Serial No. 695,493
2 Claims. (Cl. 255—62)



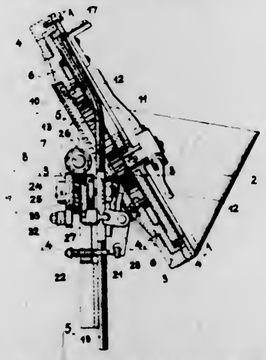
1. A broaching tool comprising a head having a wing projecting therefrom and an opening in one end having recesses on opposite sides thereof, a cutting blade removably secured to said head and impinging against the lower end of said wing and having a recess in one edge in line with one of the recesses in said head, a ball adapted to fit into the recess in said head and project into the recess in said cutting blade, and a screw in the end of said head adapted to force the ball into the recess in the cutting blade.

2,003,145
GAME APPARATUS
John Grauer, Whitestone, N. Y.
Application November 7, 1933, Serial No. 696,931
5 Claims. (Cl. 273—89)



1. A game apparatus comprising in combination, a two part chute, one part being stationary and one part movable and through which a missile may be rolled in directed flight and discharged into the stationary chute section, an impact member movable across said stationary chute section, a missile adapted to be rolled through said chute sections and to be intercepted in its flight by said impact member, means for trapping said missile, and a play indicator operated by said missile when the same is intercepted in its flight by said impact member.

2,003,146
APPARATUS FOR ARRANGING THE FASTENER MEMBERS OF SLIDING-CLASP FASTENERS IN ROWS
Helmut Gutberlett, Wuppertal-Barmen, Germany
Application February 4, 1933, Serial No. 655,289
In Germany March 14, 1932
23 Claims. (Cl. 153—1)



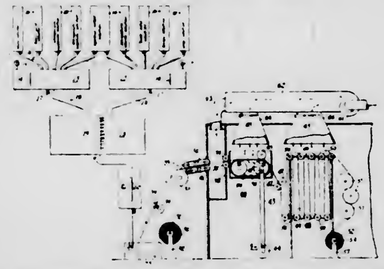
1. In an apparatus for arranging the fastener members of sliding-clasp fasteners in rows, the combination of a hopper for containing a supply of fastener members, a rotatable annular transfer device provided with regularly spaced recesses on its inner surface for receiving individual fastener members from said hopper, ejecting means co-operating with said transfer device for automatically removing improperly positioned fastener members therefrom, a chute to which said fastener members are delivered by said transfer device, and means for receiving said fastener members from said chute and for automatically positioning said fastener members in rows in spaced corresponding positions.

2,003,147
ELECTRIC VACUUM CLEANER
Osmund Holm-Hansen, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 25, 1933, Serial No. 686,752
2 Claims. (Cl. 242—85)



1. In a vacuum cleaner, the combination of a handle, a downwardly facing cord hook fixed on the lower portion of the handle, an upwardly facing cord hook, a band slidable on the handle to which the upwardly facing cord hook is attached, a spring-pressed catch carried by the band, and means carried by the handle with which the catch engages for limiting movement of the band along the handle, said means being spaced apart a distance greater than the depth of the lower hook.

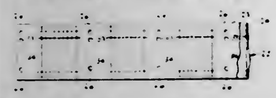
2,003,148
METHOD AND MEANS FOR COMPOUNDING FLAME AND WATERPROOFING COMPOSITIONS FOR AQUEOUS CELLULOSIC MEDIA
Frederick W. Hochstetter, Pittsburgh, Pa., assignor to Treesdale Laboratories, Inc., a corporation of Delaware
Application March 23, 1933, Serial No. 662,291
2 Claims. (Cl. 134—78.6)



2. A method of compounding a composition of matter for flame and water-proofing aqueous cellulose media and their derivatives comprising heating 640 parts of water to 120° F., adding 48 parts of ammonium sulphate and stirring until completely dissolved, adding 16 parts of ammonium carbonate incrementally under constant stirring until effervescence ceases, adding 20 parts of boric acid previously dissolved in 128 parts of boiling water, adding 16 parts of borax and thoroughly mixing, adding 16 parts of starch previously cooked to about 1° Baumé and thoroughly mixing in the same under constant stirring; dissolving 6 parts of suitable soap in 128 parts of water and bringing it to the boiling point, thereafter adding the same to the previously compounded materials, bringing about emulsification of the whole and then lowering the temperature to about 110° F. and digesting for about 2 hours thereby forming a first composition; bringing 640 parts of water to the boiling point and dissolving therein 80 parts of ammonium chloride, 48 parts of boric acid and 16 parts of borax in the order named, and each after the preceding has been completely dissolved, stirring the same thoroughly after all three have been added and dissolved, separately dissolving 32 parts of soft gelatine in 256 parts of water and heating to about 200° F. under constant stirring and thereafter optionally adding thereto 13½ parts of glycerine, stirring thoroughly and then adding the same to the ammonium chloride—boric acid—borax solution under constant stirring for about 30 minutes and then digesting for about one hour at about 140° F.; dissolving 3 parts of suitable soap in 128 parts of water, heating to boiling and adding 8 parts of dextrine, stirring such constantly to ensure uniformity and then adding such to the ammonium chloride—boric acid—borax—gelatine solution, thereby forming a second composition; bringing 128 parts of water to the boiling point, dissolving therein 15 parts of soap bark and filtering, thereby forming a third composition; dissolving 32 parts of alum in 256 parts of water as a fourth composition; digesting each of the four compositions for about 4 hours while stirring from time to time; combining the first, second and fourth

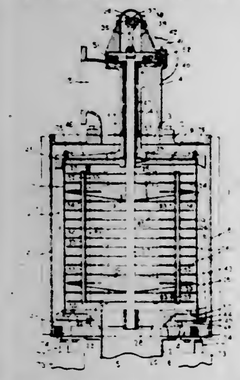
compositions in a common vessel and then adding the third composition under vigorous stirring.

2,003,149
MANIFOLDING
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Original application May 22, 1931, Serial No. 539,245. Divided and this application December 29, 1933, Serial No. 704,406
3 Claims. (Cl. 282—12)



1. A new article of manufacture comprising a manifolding pack with a strip of original sheets and strips of duplicate sheets, each strip having feed-regulating apertures in each of said sheets which align when said sheets are in superposed registered relation, starter escape apertures in each duplicate sheet underlying starter engaging portions in the original sheets, and a starter escape aperture in the original sheet overlying starter engaging portions in the duplicate sheets.

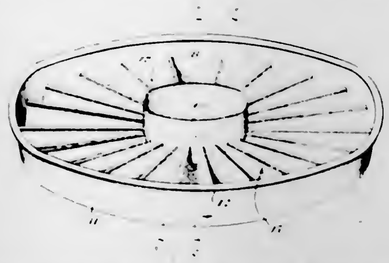
2,003,150
PULP SCREENING MACHINE
Nelson Moore Knight, Weymouth Heights, Mass.
Application October 29, 1934, Serial No. 750,481
10 Claims. (Cl. 92—34)



1. A pulp screening machine comprising a casing having an inlet at its upper end and a discharge opening at its lower end, a screen element situated within the casing between the inlet and the discharge opening and having a vertical screening wall, means for forcing the pulp back and forth through the screening wall as said pulp flows from the inlet to the discharge opening, screen-cleaning runners on the inlet side of the screening wall and means to produce a relative movement between said runners and said wall.

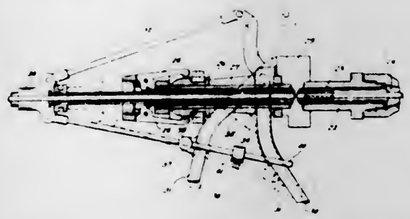
2,003,151
BAKING PAN
Rose Lang, Buffalo, N. Y.
Application June 19, 1933, Serial No. 676,450
7 Claims. (Cl. 53—6)

1. A cake pan of the type described including a receptacle having bottom and side walls and a removable member arranged in the bottom of said receptacle for molding an ornamental design upon the under side of the cake, said bottom wall



being formed with an opening through which access may be had to said molding member to remove it from said receptacle.

2,003,152
STOCK FEEDING AND GRIPPING DEVICE
Max E. Lange, Cleveland Heights, and William J. Burger, Shaker Heights, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 17, 1934, Serial No. 735,704
20 Claims. (Cl. 29—59)

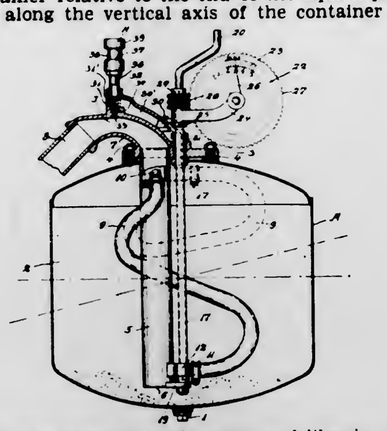


1. In a stock feeding and gripping device for a machine tool, stock gripping means, stock feeding means, and manually movable means for effecting release of the gripping means, actuation of the feeding means and closing of the gripping means, and a second manually movable means for restoring said feeding means to its initial position and independently of the movement of said first named manually movable means.

2,003,153
FLUID DISPENSING APPARATUS
Erich H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application November 27, 1933, Serial No. 699,990
10 Claims. (Cl. 221—95)

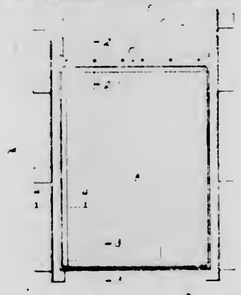
1. In a fluid measuring device, a container, the walls of which define a fluid reservoir, a siphon pipe extending into said reservoir and having an inlet end spaced from the bottom of the container, means for admitting a flow of fluid to the siphon pipe during siphoning operation to interrupt the siphon flow, said means comprising a flexible conduit entwined about the siphon pipe and opening at one end to the siphon passage and at the other end into the container, said last mentioned end being disposed at the vertical axis of the container, means for moving the end of the flexible conduit opening into the

container relative to the end of the siphon pipe and along the vertical axis of the container to



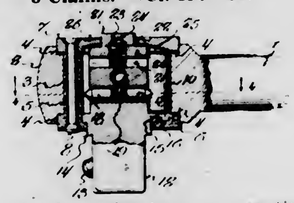
vary the distance therebetween and likewise the volume of fluid passing through the siphon.

2,003,154
FABRICATED DAMPER
Paul S. Menough, Mount Lebanon, Pa., assignor to The Duraloy Company, Pittsburgh, Pa., a corporation of Delaware
Application January 21, 1931, Serial No. 512,638
4 Claims. (Cl. 126—285)



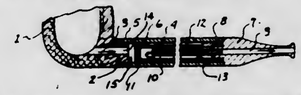
1. A closure for furnace and like installations, comprising a frame section of cast alloy heat-resistant metal having dove-tailed channeled portions therein, and a corrugated sheet metal panel also of heat-resistant metal allow detachably mounted in the channeled portions of said frame.

2,003,155
REVERSIBLE FRICTION CLUTCH
Edward M. Pfauser, Wauwatosa, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 1, 1932, Serial No. 620,401
8 Claims. (Cl. 192—44)



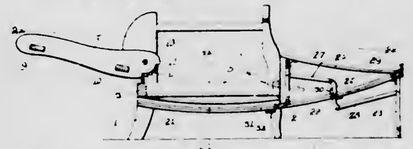
3. In a clutch mechanism, an operating member, a driven member rotatably mounted in said operating member, clutch rollers effecting operable frictional engagement between the operating member and driven member, means reversing the direction of said operable frictional engagement, and releasable means for locking the driven member and said reversing means in relative adjusted positions against rotary motion including a locking key carried directly by the driven member for selective engagement with the reversing means, said locking key having means for imparting an axial unlocking motion thereto.

2,003,156
SMOKING PIPE
Oliver T. Robertson, Terrace Park, Ohio
Application April 1, 1932, Serial No. 602,431
2 Claims. (Cl. 131—12)



1. In a smoking pipe construction having entrance and exit means, a hollow tubular member, a core member snugly slidable therein, and a plurality of communicating smoke passageways formed on the exterior of said core and closed by said tubular member, said passageways being connected with said entrance and exit means, said passageways lying substantially parallel, and communicating by means of reverse bends, and a moisture pocket formed in the exterior surface of said core member and communicating with one of said passageways.

2,003,157
MORRIS CHAIR CONSTRUCTION
Henry Saeger, Rochester, N. Y.
Continuation of application Serial No. 526,319, March 30, 1931. This application April 8, 1932, Serial No. 603,988
3 Claims. (Cl. 155—170)



3. In a chair of the character described and having a seat supported by legs, a pair of arcuate guide channels on said legs below said seat, an arcuate carrier frame mounted to slide in and out of said guide channels, a leg and foot rest hinged to the outer end of said carrier frame, a brace mounted on the under side of said carrier frame and a brace mounted on the under side of said foot and leg rest means connecting said braces to move them simultaneously to swing under said carrier frame and said leg and foot rest respectively into a vertical and parallel position to support the carrier frame on the floor and the leg and foot rest on the carrier frame.

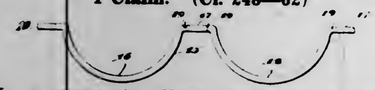
2,003,158
MOTOR FUEL AND METHOD OF MANUFACTURE
William Alvah Smith, Hamburg, N. Y.
No Drawing. Application June 24, 1931, Serial No. 546,667
13 Claims. (Cl. 44—9)

1. The process of improving the color of cracked gasoline and rendering it color stable, which comprises dissolving therein a small proportion of quinhydrone.

3. A liquid motor fuel mixture comprising cracked hydrocarbon spirits of the type which

tend to deteriorate upon storage and form gum or color, and quinhydrone in the proportions of 100 barrels of gasoline and between 0.03 and 5 pounds of quinhydrone.

2,003,159
PNEUMATIC DISPATCH SYSTEM
William J. Taylor, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application April 5, 1933, Serial No. 664,550
1 Claim. (Cl. 248—62)

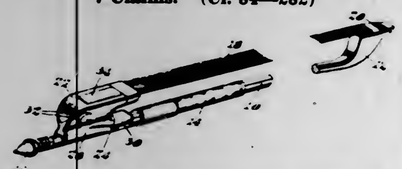


In a pneumatic dispatch system, clamps for transit tubes, each clamp comprising a plurality of tube receiving saddles, and planar flanges separating said saddles, each flange having a pair of transverse notches therein and a hole between the notches whereby the clamp may be easily broken at any notch to furnish a length having any desired number of tube receiving saddles and flanges with holes therein.

2,003,160
METHOD AND APPARATUS FOR ROLLING UNIFORM GAUGE STOCK
Arthur J. Townsend and Edward S. Miller, Canton, Ohio, assignors, by mesne assignments, to Harry M. Naugle and Arthur J. Townsend, both of Canton, Ohio
Application November 18, 1932, Serial No. 643,188
16 Claims. (Cl. 80—35)

1. In a rolling mill including work rolls and screw down means, means for operating the screw down means intermittently to adjust the gap between the rolls a predetermined amount during movement of material through the rolls, and means operated by the entry of material between the rolls for actuating the said operating means.

2,003,161
BOW FOR STRINGED INSTRUMENTS
Richard H. Turner, Beverly, Mass.
Application February 9, 1934, Serial No. 710,505
7 Claims. (Cl. 84—282)



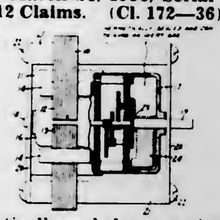
1. In a bow for stringed instruments, a frog having a throat with a hair-clamping portion at one side thereof and a stick-engaging portion at the other, the stick-engaging portion being extended transversely to supply a thumb flange opposite to the hair-clamping portion but offset with respect thereto.

2,003,162
ADJUSTABLE DOLLY
Donald L. Ulmer, Binghamton, N. Y.
Application April 28, 1933, Serial No. 668,410
2 Claims. (Cl. 280—35)



1. In a device of the class described, a plurality of cup-shaped members each having a castor mounted thereon, lugs projecting at right angles from the sides of the cup-shaped members, perforated bars pivotally mounted on the lugs by vertical pivots, the bars of opposing lugs adapted to be moved in contiguous relationship with each other, registering perforations in the bars, and locking means insertable in the perforations for securing the parts together.

2,003,163
DRIVE FROM SEALED GEAR CASING
Henry E. Warren, Ashland, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application March 24, 1934, Serial No. 717,221
12 Claims. (Cl. 172—36)



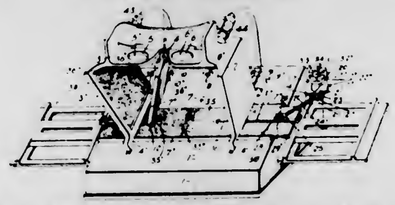
1. A hermetically sealed gear casing from which the air has been excluded and replaced by an inert gas, a gear train in said casing, oil partially filling said casing for lubricating said gear train, and means for conveying rotary movement from said gear train to the exterior of said casing.

2,003,164
MOTOR VEHICLE
Karl M. Wise, Buffalo, N. Y., assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1931, Serial No. 570,873
4 Claims. (Cl. 180—1)



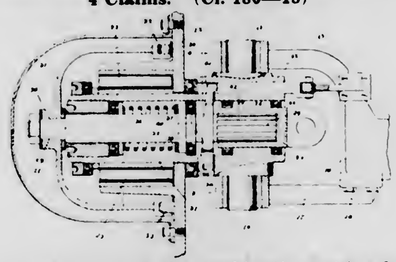
1. The method of manufacturing a motor truck which comprises, mounting the engine, radiator and cab upon longitudinally disposed angle irons spaced apart a distance substantially equal to the width of a standard truck frame to form an integral unit, mounting a front axle and steering gear upon longitudinally disposed angle irons to form a second unit, mounting a transmission mechanism on cross members connected at their ends to longitudinally disposed angle irons to form a third unit, mounting a rear axle and differential mechanism upon longitudinally disposed angle irons to form still another unit, and assembling said units together to form a complete vehicle by placing said angle irons on the side members of a vehicle frame and welding said angle irons and frame members together.

2,003,165
ORTHOPTIC INSTRUMENT
George Bates Wootten, Sudbury, Ontario, Canada
Application July 1, 1933, Serial No. 678,610
7 Claims. (Cl. 128—25)



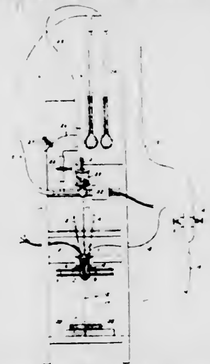
6. In a device for treating eyes, means for locating the point of convergence of the axes of the patient's eyes, a stationary target, means for producing a virtual image of the stationary target in such a position as to be viewed by one eye, means for instantly and accurately locating such virtual image in a position coincident with the previously formed point of convergence, and a movable target viewed through the other eye, and means for instantly and accurately placing the centre of the movable target in an initial position coincident with the centre of the virtual image and the point of convergence in and out of which position it is adapted to be intermittently moved.

2,003,166
FRONT DRIVE FOR MOTOR CARS
Ottavio Zancan, New York, N. Y.
Application October 26, 1933, Serial No. 695,338
4 Claims. (Cl. 180—18)



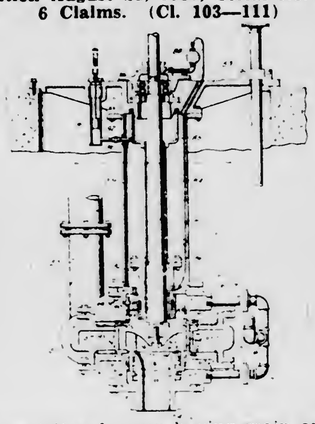
1. In a motor car the combination, with a front axle, a steering knuckle comprising a wheel support pivotally mounted at each end of said axle, a wheel rotatably mounted upon each support, and a driving shaft for each wheel rotatably mounted within its respective support, of a clutch member carried by each wheel, another clutch member carried by its respective driving shaft, adapted to engage said wheel clutch member, one of said clutch members comprising a circumferential series of rollers positively connected to and actuated by said driving shaft, the other clutch member having a circumferential series of recesses adapted to register with said rollers, the depth of said recesses being at least equivalent to the radius of said rollers, so as to form a positive driving connection therewith, and means for automatically causing said shaft clutch member to move away from said wheel clutch member, when its steering knuckle is angularly displaced so as to cause the car to turn to the corresponding side thereof, so as to intitate the disconnection of one clutch member from the other.

2,003,167
APPARATUS FOR FUSING POWDERED MATERIALS
Peter P. Alexander, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application January 9, 1931, Serial No. 507,709
3 Claims. (Cl. 219—8)



1. In combination, a gas arc torch comprising a casing, a plurality of electrodes adjustably positioned relative to one another in said casing, a conduit positioned in said casing to direct a blast of gas between the arcing terminals of said electrodes, means for supplying gas and a powdered composition to said conduit, and means for vibrating said conduit.

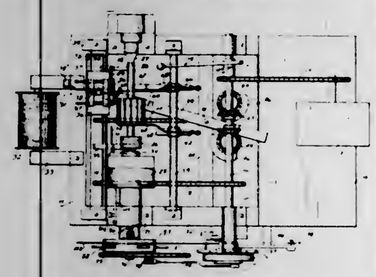
2,003,168
CENTRIFUGAL PUMP
Frank B. Allen, Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company, a corporation of Pennsylvania
Application August 21, 1930, Serial No. 476,734
6 Claims. (Cl. 103—111)



1. A centrifugal pump having main and auxiliary impellers, a housing having a main chamber

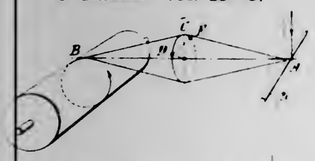
and auxiliary chambers on either side thereof, communicating passages between said main chamber and said auxiliary chambers, and means for converting velocity fluid pressure in said chambers into static pressure effective in said communicating passages, said means comprising a disc in each auxiliary chamber integrally formed with said housing and dividing the chamber into two portions, one portion communicating directly with the auxiliary impeller to receive liquid therefrom, and the other portion communicating with the said passage leading therefrom to the main impeller chamber.

2,003,169
ARMATURE WINDING MACHINE
Frank A. Baldwin, Yonkers, N. Y.
Application October 9, 1934, Serial No. 747,512
7 Claims. (Cl. 242—13)



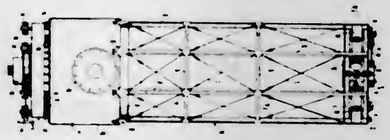
1. In an armature winding machine, means for rotatably supporting an armature core, means for feeding wire to a core slot and means for automatically turning the armature core, said turning means including a drive shaft, a sprocket wheel, means of connection between the sprocket wheel and armature core and a lever operatively connected to the drive shaft and sprocket wheel for moving the wheel.

2,003,170
PROCESS OF AND APPARATUS FOR THE PRODUCTION OF ARTIFICIAL SILK AND THE LIKE
Gotthard Bauriedel, Barmen, and Karl Meyer-Gaus, Wuppertal-Elberfeld, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application October 5, 1932, Serial No. 636,380
In Germany October 5, 1931
9 Claims. (Cl. 18—8)



1. A stretch spinning device for the manufacture of artificial thread comprising, in combination, a thread deviating means, a collecting means, a thread guide located therebetween and mounted for oscillatory movement perpendicular to thread passing from the deviating device to the collecting means, means to oscillate said guide about an axis passing through the point of contact of the thread on the deviating means and on the collecting means, the path of the movement of said guide being such as to maintain constant during the spinning the thread lengths and filament angles.

2,003,171
TELESCOPE
Edward P. Burrell, Shaker Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application January 15, 1932, Serial No. 586,920
39 Claims. (Cl. 88—32)



1. A telescope tube for supporting the optical system of a telescope which comprises structural metallic members arranged in supporting and reinforcing relationship with one another, said members having portions shaped to mate and interfit with one another and conform to the contour of the tube and integrally united by welding.

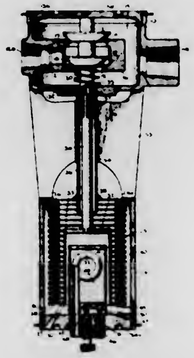
21. In a telescope tube, means for supporting a primary mirror adjacent one end of the tube, and means for supporting a secondary mirror adjacent the other end thereof, said last named means comprising a support having a bore, a sleeve carrying said secondary mirror and insertable in the said bore from the outer end thereof, and means for securing said sleeve in said bore.

2,003,172
GEOMETRICAL INSTRUMENT
Carleton W. Burt, Philadelphia, Pa.
Application August 19, 1933, Serial No. 685,896
1 Claim. (Cl. 33—1)



A geometrical instrument comprising a sheet of transparent material having a center perforation and other perforations adjacent but unequally spaced therefrom, a series of regularly spaced perforations along each of two opposed radii, the perforations in one series being respectively spaced from the center at greater distances than the corresponding perforations in the other series, arcs inscribed on the sheet respectively intersecting said radii at progressively increasing distances from the center, other perforations adjacent the outer edge of the instrument spaced to correspond with a progressively increasing series of angles having their vertices at said center and one side in coincidence with one of said radii, rays respectively extending from said last mentioned perforations toward the center perforation, and perforations respectively disposed at the intersection of each ray with the arc spaced from the center a distance substantially corresponding to its angle.

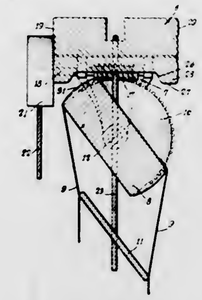
2,003,173
FLUID VALVE
Jesse H. Clark, Cicero, Ill., assignor to Walker Dishwasher Corporation, Chicago, Ill., a corporation of Delaware
Application March 14, 1933, Serial No. 660,682
4 Claims. (Cl. 221—101)



1. A liquid metering device for measuring a predetermined quantity of liquid comprising a valve housing having inlet and outlet liquid passageways, a valve in said housing controlling the flow of liquid through said housing from said inlet to said outlet passageway, an expansible member for operating said valve remotely situated with respect to said housing, a valve rod connecting said valve with said expansible member, a fluid passageway connecting said inlet passageway with said expansible member so that when liquid is flowing through said housing the pressure of the liquid in said valve housing is applied through said passageway to said expansible member to operate said valve to its closed position, means controlling the operation of said expansible member so that said valve is operated to close at a predetermined rate in response to the pressure of the liquid flowing through said housing, whereby a predetermined quantity of liquid is permitted to flow through said housing while said valve is being closed and heat dissipating members between said valve housing and said expansible member and said controlling means arranged to prevent a material transfer of heat from said housing to said latter members, whereby said members operate substantially uninfluenced by the temperature of the liquid flowing through said housing.

2,003,174
VENETIAN BLIND
Jesse E. Cooper, Los Angeles, Calif., assignor, by mesne assignments, to National Venetian Blind Co., Los Angeles, Calif., a corporation of California
Application July 19, 1934, Serial No. 735,924
5 Claims. (Cl. 156—17)

1. In a Venetian blind, a tilt-rail adapted to support slats of a blind for tilting adjustment, and means supporting said tilt-rail for tilting movement, said supporting means having a recess in the under surface thereof, and the axis of



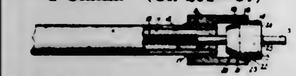
movement of said tilt-rail being spaced from the mouth of said recess less than the distance between said axis and an edge of said tilt-rail.

2,003,175
ELECTRIC HEATER
Loretta M. Daly, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 12, 1933, Serial No. 684,839
3 Claims. (Cl. 201—67)

1. An electric heater comprising a resistance conductor, a metallic sheath encasing said conductor, an electrically insulating sleeve arranged within said sheath and having a portion projecting from said sheath, a terminal for said resistance conductor mounted within an aperture provided for it in said sleeve and projecting from said sleeve on the exterior of said sheath, a metallic band surrounding a portion of said sleeve within said sheath and rigidly secured to said sleeve, a metallic layer covering the outer surface of said sleeve and rigidly secured to said sleeve, and metallic masses united into substantially homogeneous structures with said metallic band and the inner walls of said sheath and said metallic surface covering the end of said sleeve and said terminal, whereby a fluid-tight joint is effected between said sheath and said terminal.

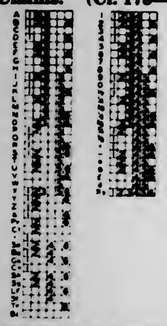
3. The method of sealing the terminal end of an electric heater provided with a resistance conductor, a terminal and a metallic casing surrounding said terminal which comprises providing an insulating sleeve arranged to be threaded onto said terminal and received in the end of said casing, coating the outer surface of said sleeve with a band of metal surrounding said sleeve where it fits into said casing, coating one end surface of said sleeve with a layer of metal, threading said sleeve onto said terminal with the coated end surface of said sleeve remote from said casing while the other end of said sleeve enters said casing and then uniting said metallic band into a substantially homogeneous metallic structure with the walls of said casing and said coating on the outer end of said sleeve into a substantially homogeneous metallic structure with said terminal.

2,003,176
ELECTRIC HEATER
Loretta M. Daly, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Original application August 12, 1933, Serial No. 684,839. Divided and this application November 10, 1934, Serial No. 752,433
1 Claim. (Cl. 201—67)



An electric heater comprising a resistance conductor, a metallic sheath encasing said conductor, a terminal connected with said resistance conductor having a portion projecting from said sheath, a metallic casing surrounding said terminal positioned in spaced relation with it, a fluid-tight joint between said casing and said sheath, an electrically insulating sleeve surrounding said terminal and received in said casing, a metallic band surrounding a portion of said sleeve within said metallic casing and rigidly secured to said sleeve, a metallic layer covering the outer surface of said sleeve rigidly secured to the sleeve, and metallic masses united into substantially homogeneous structures with said metallic band and the inner walls of said metallic casing and with said metallic layer covering the outer surface of said sleeve and said terminal, whereby a fluid-tight joint is effected between said terminal and said metallic casing.

2,003,177
SHIFT CONTROL FOR TELEGRAPH PRINTERS
Robert F. Dirkes, Jamaica, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 2, 1932, Serial No. 631,563
10 Claims. (Cl. 178—33)



1. In a telegraph printer, a printing mechanism, a selecting mechanism, a case shift mechanism, means responsive to a code combination for selecting said printing mechanism and means responsive to any one of a plurality of predetermined sub-combinations of two or more impulses occurring in said combination for controlling said case shift mechanism.

2,003,178
VEHICLE STEERING ARM GAUGE
John Fabien Duby, Boston, Mass.
Application February 23, 1932, Serial No. 594,514
13 Claims. (Cl. 33—203)

1. Testing apparatus comprising an element adapted to establish a predetermined point relative to a vehicle chassis, a yieldable unit adapted to be interposed between said element and a vehicle steering arm part, connecting means between said unit and steering-arm including a



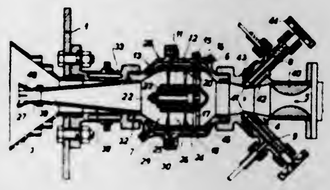
pointed rod and associated hammer member, and indicating means associated with said unit to indicate when a point on the steering arm arc of travel lies in a straight line between the axis of said arc and the predetermined point.

2,003,179
MAGNETIC COMPASS
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 12, 1933, Serial No. 693,279
8 Claims. (Cl. 33—222)



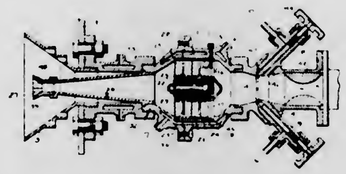
8. A compass needle comprising a central portion composed of a magnetic material and end portions composed of a different magnetic material, the central portion being softer and more permeable than the end portions, and the end portions being composed of a material having a coercive force exceeding 300 Gilberts per centimeter in order to provide a high directing force for the needle.

2,003,180
METHOD FOR CARBURETING HEAVY LIQUID FUELS
Giovanni Lucich, Trieste, Italy, assignor to firm "Società Anonima Carburatori Olii Pesanti (S. A. M. C. O.)", Trieste, Italy, a corporation of Italy
Application April 4, 1934, Serial No. 719,018
In Italy November 16, 1933
7 Claims. (Cl. 158—117.5)



1. The method of carbureting liquid fuel which consists in partially pre-vaporizing and spraying the fuel and mixing air therewith to form a primary mixture in which part of the fuel is in a vaporous state, mechanically breaking up the non-vaporized particles of fuel in the mixture, and at the same time cooling the vaporized portion of the fuel to condense the same and form minute liquid particles.

2,003,181
BURNER FOR HEAVY LIQUID FUELS
Giovanni Lucich, Trieste, Italy, assignor to firm "Società Anonima Carburatori Olii Pesanti (S. A. M. C. O.)", Trieste, Italy, a corporation of Italy
Original application April 4, 1934, Serial No. 719,018. Divided and this application November 14, 1934, Serial No. 753,033. In Italy November 16, 1933
16 Claims. (Cl. 158—77)



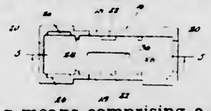
1. A burner for heavy liquid fuel comprising a compressed air intake, an air throttling member of suitable capacity in said intake, a fuel spraying and air mixing chamber connected to the intake, at least one fuel nozzle issuing into the said chamber, an atomizing chamber connected to the first mentioned chamber, and a burner tube leading from the atomizing chamber gradually reduced in diameter from its inner to its outer end.

2,003,182
CONTAINER
John M. Driver, Wynnewood, Pa.
Application July 26, 1930, Serial No. 470,966
5 Claims. (Cl. 229—53)



1. As a new article of manufacture, a bag comprising a transparent strip of flexible cellulose material and a second flexible strip of relatively stiff material, said strips being seamed together with the longitudinal edge portions of the transparent strip adhesively secured to the other strip to form a tubular bag body, the transparent strip forming the forward face of the bag, and said other strip together with portions of the transparent strip forming the rear face of the bag, and said seams being spaced inwardly from the longitudinal side edges of said forward face, the said front face being extended at one end of the tubular body, and that end of the tubular body, including a portion of the rear face, being folded and adhesively secured to the body of the bag at a location remote from the bottom edge of the front wall to form the bottom of the bag, the side seams and bottom seam location leaving the front face of the bag entirely unobstructed and free of seams.

2,003,183
FRANGIBLE SEAL
Robert W. Ferguson, Trenton, and Harry P. Sparkes, Newark, N. J., assignors of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, and one-half to The Star Porcelain Company, Trenton, N. J., a corporation of New Jersey
Application March 5, 1935, Serial No. 9,476
5 Claims. (Cl. 292—307)



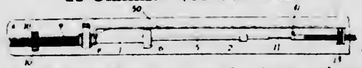
1. A sealing means comprising a receptacle of frangible material having a drain opening therein, the walls of the receptacle having abutments for engaging means for holding the seal in position and means preventing access to the holding means through said drain opening.

2,003,184
METHOD AND MEANS FOR PRODUCING FOAM FOR FIRE EXTINCTION
Wilhelm Friedrich, Berlin-Lichterfelde, Germany
Application December 5, 1933, Serial No. 701,069
In Germany December 13, 1932
5 Claims. (Cl. 261—116)



1. Method of producing a fire extinguishing foam which comprises dividing a unitary stream of quenching liquid into a plurality of relatively small free flowing converging jets whereby said stream is transformed into a stream of the liquid in finely divided form and aspirating air into and by means of said finely divided stream in the presence of a foam promoting agent.

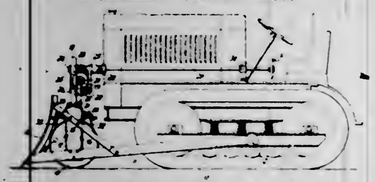
2,003,185
RIFLING MACHINE
Hermann Ernst Gustav Thorismund Gerlich, Bexley, Kent, England
Application September 7, 1933, Serial No. 688,502
In Great Britain September 9, 1932
11 Claims. (Cl. 90—28.1)



1. Apparatus for shaping the internal surface of a barrel for a projectile propelling device and the bore of which barrel is to vary in its length in cross sectional area and comprising a rotatable cutting sleeve adapted to traverse the barrel to be shaped and having a plurality of circumferentially spaced radial slots, cutters each having a body part mounted slidably in one of said slots and having a single cutting blade at the outer part, a pattern rod mounted coaxially in said cutting sleeve and on which the inner parts of said cutters rest and adapted to regulate the radial setting of said cutters, the effective radial dimensions of said pattern rod varying in proportion to the varying radius of the surface to be shaped, said cutter body having its axial length disposed at an angle to the axis of the cutter box, the cutting blade of said cutter being disposed transversely to the body of the cutter, and the axis of the cutting sleeve, spring means adapted to retain said cutters in guiding engagement with said pattern rod, and said cutter bodies having curved

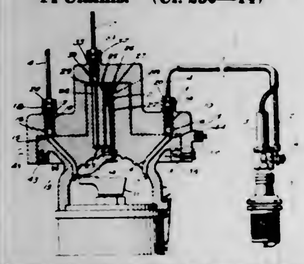
surfaces engaging said pattern rod, means for traversing said cutting sleeve axially through the barrel and relative to the barrel and the pattern rod, means for rotating the cutting sleeve, means for centering the cutting sleeve in the barrel, and means for mechanically advancing said pattern rod axially relative to the barrel.

2,003,186
SCRAPER
Joseph J. Glassner, Akron, Ohio, assignor of one-half to Bird C. Clutter, Akron, Ohio
Application August 27, 1932, Serial No. 630,685
2 Claims. (Cl. 37—146)



1. The combination with an earth-working scraper including a tractor, of a frame pivotally mounted thereon, a scraper blade at the free end of the frame, aligned vertical slides secured to opposite sides of the frame immediately behind said blade, respective guides for said slides, a roller journaled on said guides, rack and pinion mechanism connected respectively to the slides and guides for effecting relative movement thereof, and means for operating said rack and pinion mechanism from the tractor, said means including a shaft having a swivelled support on the tractor.

2,003,187
AUTOMOBILE RADIO DEVICE
Francis R. Good, Wynnewood, Pa., assignor of fifty one-hundredths to Frederick H. Shaw, Glenside, Pa.
Application October 2, 1933, Serial No. 691,886
14 Claims. (Cl. 250—14)



1. A device for a radio receiver-equipped vehicle having an internal combustion engine with an ignition system, comprising means for reducing the disturbing effects of said system on said radio receiver, and means for rendering said first-mentioned means ineffective to deleteriously affect the current flow in said system during periods of non-use of said receiver.

2,003,188
GAUGE
Frank P. Heid, Erie, Pa.
Application March 12, 1934, Serial No. 715,186
5 Claims. (Cl. 33—203)

1. A gauge of the kind described comprising relatively shiftable tubes telescopically fitting each other, aligned arms on the outer ends of said tubes, swiveled heads carried by said arms, a sleeve slidable on one of said tubes, a cap adjustably fixed to the other tube, tie rods fixed with the sleeve and having loose connections with the cap, a coiled tensioning spring arranged be-



tween the sleeve and said cap, means between the sleeve and the tube carrying the same for varying the tension of said spring, and indicator means operative by displacement of the tubes with relation to each other when applied to opposed vehicle wheels and on the turning thereof.

2,003,189
STOCKING MADE IN A SINGLE OPERATION AND METHOD FOR MAKING SAME
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application November 15, 1934, Serial No. 753,225
In Germany November 16, 1933
4 Claims. (Cl. 66—187)

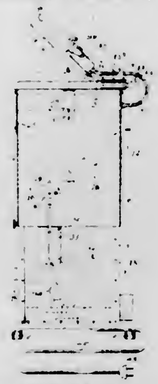


1. A stocking made in a single operation on a flat knitting machine in which the upper part of the heel portions comprises loop wales progressively and simultaneously formed at the inside and outside with the instep loops placed in suspense, the number of said loop wales being progressively decreased at outside and inside in the lower heel portion.

2,003,190
APPARATUS FOR MAKING CONTACT PRINTS OR ENLARGEMENTS FROM DEVELOPED NEGATIVES
Edson S. Hineline, Rochester, N. Y., assignor to Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application December 6, 1933, Serial No. 701,127
48 Claims. (Cl. 88—24)

1. Apparatus for enlarging and for contact printing for photographic purposes from negatives, consisting of a housing or enclosure having two substantially rectangular, telescoping parts relatively slidable vertically and containing an enlarging lens equipment, means for supporting the negative either below or above the lens equipment, one of said telescoping parts having sock-

ets at different heights and the other of said telescoping parts having one or more spring pressed plungers constituting constantly detached parts



adapted to enter said sockets to hold the vertically slidable part at a desired position of vertical adjustment.

2,003,191
METHOD OF PRESERVING FRUIT
Wilhelm J. H. Hinrichs, Hamburg, and Hermann Wittkowski, Lockstedt-Niendorf, near Hamburg, Germany
No Drawing. Application July 21, 1933, Serial No. 681,660. In Germany March 15, 1933
3 Claims. (Cl. 99—8)

1. A method of preserving fruits and vegetables which comprises coating the fruit with a latex solution prepared from latex first concentrated by treatment in a rapidly rotating centrifuge and washed with ammonia-containing water, freeing the latex from hygroscopic and decomposable constituents and finally diluting with water, whereby an air pervious coating of latex is procured on said fruits and vegetables.

2,003,192
METHOD OF PRODUCING MOISTURE-PROOF AND AIR TIGHT COATINGS
Wilhelm J. H. Hinrichs, Hamburg, and Hermann Wittkowski, Lockstedt-Niendorf, near Hamburg, Germany
No Drawing. Application July 21, 1933, Serial No. 681,661. In Germany March 15, 1933
7 Claims. (Cl. 91—68)

1. A method of producing moisture-proof and airtight coatings on articles of commerce, including eggs, sausages, smoked articles, wallpaper, wood veneers, fabrics and the like, which consists in coating the said articles with a rubber latex, centrifugally highly concentrated and washed with ammonia solution, and which is completely freed from those hygroscopic and decomposable substances which are normal constituents of raw rubber latex.

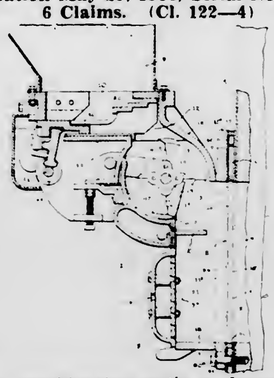
2,003,193
TOY
Yuzaburo Hirose, Los Angeles, Calif.
Application January 21, 1935, Serial No. 2,813
1 Claim. (Cl. 46—40)

A toy boat comprising a closed hollow body, said body being formed with a slot at the rear end above the water line, a plate secured on the inner side of the lower portion of said body, a pair of spaced upstanding supports fixed to said plate, a second plate secured to the free end of said support, a rotatably mounted stem in said plate extending upwardly through the upper portion of said body and having a handle on the free end thereof, a spring motor secured to said stem, between said plates, a large gear fixed to said spring motor, a shaft rotatably mounted



between said plates adjacent said stem, a pinion gear on said shaft, in mesh with the motor gear, an escapement gear on said shaft, an escapement pallet extending through the slots in the body and having a tail propeller secured to the outer end thereof whereby the tail propeller is directly actuated from the escapement gear, and a bridge wall across the rear end of the body under the slot to prevent water from entering the body.

2,003,194
HEAT ABSORBING DEVICE FOR THE PROTECTION OF STOKERS
Jerome A. Hoffman, Detroit, Mich., assignor to Hoffman Combustion Engineering Company, Detroit, Mich., a corporation of Michigan
Application May 29, 1934, Serial No. 728,184
6 Claims. (Cl. 122—4)

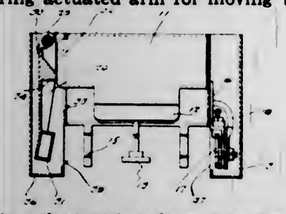


1. The combination with a furnace and a stoker, of a water-cooled heat absorbing device interposed between the furnace and stoker to protect the latter from intense heat of the furnace comprising a relatively thin metallic frame having an opening surrounding the fuel-feeding opening of the furnace and through which fuel to the furnace may be fed and provided with an open-ended water channel therein for the continuous passage of water therethrough to absorb heat radiation from the furnace.

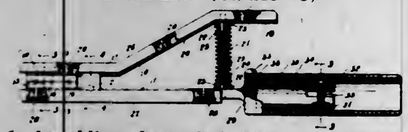
2,003,195
COMBINED CIGARETTE DISPENSER AND IGNITER
Luther M. Jackson and Clyde A. Prescott, Middletown, Pa.
Application April 12, 1933, Serial No. 665,785
2 Claims. (Cl. 312—86)

1. A combined cigarette dispenser and igniter comprising a casing, a feed device slidably mounted in the casing for discharging the cigarettes singly from the casing, said feed device having a slotted member extending therefrom, a support for receiving the cigarettes from the feed device, an igniting element at one end of the support,

a switch controlling an electric circuit for the igniting element, and including an operating lever having one end inserted through the slot of said member for closing the circuit upon cigarette discharging movement of the feed device and a spring actuated arm for moving the cigarette against the igniting element, said arm being normally held out of cigarette engaging position by the feed device and released thereby upon discharging movement of the feed device and said arm further being moved out of cigarette engaging position by the feed device upon an opposite movement thereof.



2,003,196
WELDING ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application December 7, 1933, Serial No. 701,385
2 Claims. (Cl. 219—8)



1. A welding electrode holder, comprising pivotally connected jaw members having means to hold an electrode therebetween, channeled members of electrical insulating material secured to said jaw members, the legs of the channeled members overhanging the jaw members to partially surround the metallic parts of the jaw members to more adequately insulate such metallic parts, a coil spring normally holding the jaw members in electrode holding position, and an insulating washer mounted on each jaw member and terminally engaging said spring.

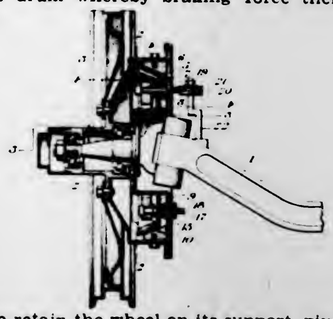
2,003,197
BUTTER-MOLDING DEVICE
Ollie C. Jackson, Bryn Mawr, Pa.
Application February 16, 1934, Serial No. 711,595
11 Claims. (Cl. 31—43)



1. In a device, a sectional mold, means rotatably mounted internally of said mold for separating material from the walls thereof, and means forming a part of said last mentioned means operable to score the surface of said material.

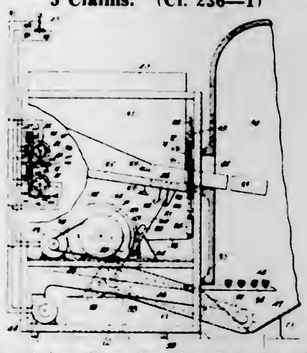
2,003,198
CLUTCH BRAKE
Bryan Jenkins, Flemington, W. Va.
Application December 18, 1933, Serial No. 702,991
2 Claims. (Cl. 188—72)

1. A brake comprising a drum secured to a wheel and having a tapering face with the taper of said face extending away from the wheel, a housing for said drum, a brake shoe slidably supported by said housing and having a conical-shaped flange to engage with the tapering face of the drum whereby braking force therefrom



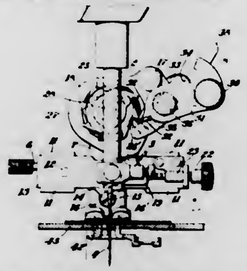
acts to retain the wheel on its support, pivot lugs on the shoe, an annular member having recesses to receive the pivot lugs, means for limiting the pivotal movement of the member with respect to the shoe, and an operating means connected to the member.

2,003,199
AUTOMATIC COAL STOKER
Frank James Johnson and Gerald Johnson, Glenside, Pa.
Application May 31, 1930, Serial No. 457,926
5 Claims. (Cl. 236—1)



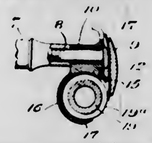
2. In a stoker for a heating furnace, the combination of a draft operating means and a fuel feeding means, the draft operating means comprising an electric motor, a circuit therefor, a double acting thermostatic switch in said circuit adapted to close the circuit when heat is required, a branch circuit for the fuel feeding means, an electric clock connected in parallel with the blower motor, an adjustable circuit closing device operable by the clock to close the fuel feeding circuit at adjustably spaced intervals of time during the heat requirement, means carried by the fuel feeding device to open the circuit to the fuel feeding means after one feed of fuel, the said double acting thermostat being adapted to open the circuit to the draft operating means and clock when there is no heat required, and to close a circuit to a second electric clock, a second adjustable circuit closing device operable by the second clock to close the blower circuit and the fuel feed circuit at adjustably spaced intervals of time during the period of no heat requirement, means carried by the fuel feeding device to open both the blower and fuel feeding circuits after one fuel feed during the period of no heat requirement.

2,003,200
ATTACHMENT FOR SEWING MACHINES
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 1, 1933, Serial No. 683,112
12 Claims. (Cl. 112—160)



1. A sewing machine having, in combination, stitch-forming mechanism including a reciprocatory needle-bar, a needle carried thereby, a presser-bar, a frame fixed to said presser-bar, a presser-foot, means actuated by said needle-bar for imparting a vibratory motion to said presser-foot in a right line relative to said frame, and means for rendering said last named means inactive to vibrate the presser-foot at the will of the operator and without stopping the stitch-forming mechanism.

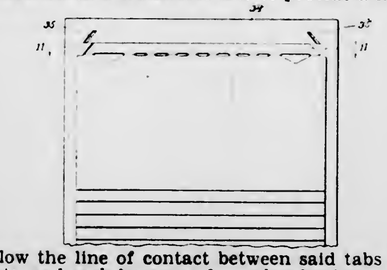
2,003,201
SAFETY RAZOR
Horace L. Kent, Brooklyn, N. Y.
Application September 26, 1933, Serial No. 691,055
4 Claims. (Cl. 30—12)



4. A safety razor comprising a body, a roller rotatably mounted in the body, a guard seated upon the body, screws passing through elongated slots in the guard and entering the body, so that the guard may be adjusted tangentially of the roller, a blade seated upon the guard in fixed relation to the latter, a cap engaged with the guard and having a threaded stem passing through the body, and a handle engaging the stem to retain the cap in place, the guard being formed with raised portions entering correspondingly shaped openings in the blade and the latter being flexible so that its cutting edge may be adjusted radially of the roller by varying the degree of clamping action of the cap.
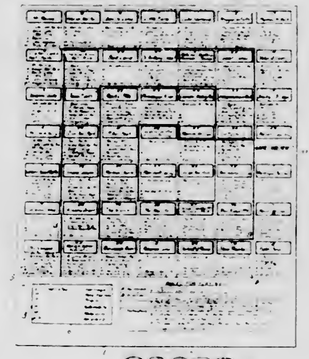
2,003,202
FILING SYSTEM
James M. Keplar, Elkhart, Ind.
Application January 27, 1933, Serial No. 653,894
15 Claims. (Cl. 129—16)

10. In a filing system, a holder member of flat formation, and a plurality of overlapping card members supported on said holder, said holder and card members having interengaging slots and tabs for supporting said card members on said holder member, and said card members being weakened on a transverse line to provide a hinge



below the line of contact between said tabs and slots, and each lower card member having a part extending upwardly beneath the card above to the hinge line of the card above.

2,003,203
GAME
Young Wo Kim, Santa Barbara, Calif.
Application May 15, 1933, Serial No. 671,216
1 Claim. (Cl. 273—134)



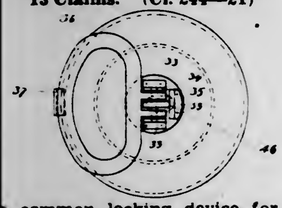
A game apparatus comprising a game board having a surface divided into panels bearing a sequential relation to each other, a path defining a line impressed upon borders of abutting panels, each of said panels having an identifying designation and also being numbered to indicate its position in the sequence in which the game is played and also bearing code characters indicative of transfer and extent thereof to other panels, and chance devices including sticks having polygonal cross sections presenting faces bearing code characters similar to the code characters of said panels.

2,003,204
CARDIO-ACTIVE GLUCOSIDES OF DIGITALIS LANATA AND A PROCESS OF MAKING SAME
Walter Kreis, Basel, Switzerland, assignor to firm "Chemical Works Formerly Sandoz", Basel, Switzerland
No Drawing. Application July 19, 1933, Serial No. 681,219. In Switzerland July 22, 1932
13 Claims. (Cl. 260—25)

11. The desacetylated genuine glucoside A of digitalis lanata which is a white amorphous powder, one part of which is soluble in about 3000

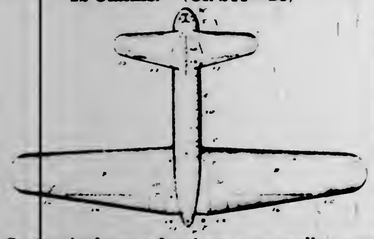
parts of water which contains about 60% of C and about 8% of H, which yields on careful acid hydrolysis about 40% of digitoxigenin, about 31% of digitoxose and about 33% of a crystallized disaccharide $C_{12}H_{22}O_9$ composed of glucose and digitoxose, which possesses cardio-active properties and is useful for therapeutical applications.

2,003,205
QUICK RELEASE FASTENER FOR PARACHUTE HARNESS
Stig Ove Christian Kuhlemann, Stockholm, Sweden, assignor, by mesne assignments, to Irving Air Chute Company Incorporated, Buffalo, N. Y.
Application November 15, 1929, Serial No. 407,510
In Sweden August 19, 1929
13 Claims. (Cl. 244—21)



1. In a common locking device for coupling together all free ends of the straps of a parachute harness, the combination of detent means, and, means for releasing said detent means including a handle adapted to be swung upwardly and then to be turned.

2,003,206
AIRCRAFT
William L. Lewis, Los Angeles, Calif.
Application December 2, 1931, Serial No. 578,583
12 Claims. (Cl. 244—14)



1. In an airplane, a fuselage, a propeller mounted at the extreme tail end of the fuselage, a wing mounted on the fuselage forward of said propeller, said fuselage and wings removed from the rearwardly directed propeller slipstream, vertically disposed stabilizing fins mounted on and depending from the under side of said wing adjacent the wing tips, respectively, a vertical, laterally swingable rudder mounted on and extending rearwardly from each of said stabilizing fins, and a landing surface engaging member mounted at the lower end of each of said fins.

2,003,207
BASEBALL GAME
Raymond Adolphe Lemoyne, Rochester, N. H.
Application December 26, 1934, Serial No. 759,275
4 Claims. (Cl. 273—88)

1. A game of the class described comprising an inclined board, a pair of parallel longitudinally extending strips forming a path for a ball, members hinged to the board and adapted to be knocked down by a second ball propelled over the board, said members having projections for extending across the path when knocked down, and guiding strips on the board for guiding the second ball against the movable members.



2,003,208
PROCESS FOR MAKING MAGNESIUM CARBONATE
Walter Hoge MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application July 12, 1932, Serial No. 622,169
7 Claims. (Cl. 23—67)

1. A process for making magnesium carbonate which consists in suspending magnesium oxide in water, adding ammonia gas to the suspension, then continuously adding carbon dioxide thereto, and continuing the addition of carbon dioxide until the mix begins to thicken, the quantity of ammonia being approximately 10% by weight of the magnesium oxide.

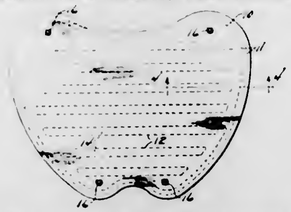
2,003,209
PLOW FOR ELECTRICAL SIGNALING OF RAILWAYS
Charles Victor de Saint-Martin, Paris, France, assignor to Michelin et Cie., Clermont-Ferrand, France, a corporation of France
Application September 8, 1933, Serial No. 688,667
In France September 10, 1932
12 Claims. (Cl. 246—193)



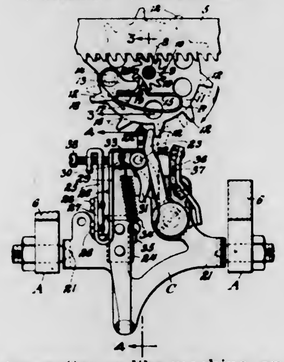
1. A plow for electric signaling on railroads comprising a plow frame, a cap, trunnions between the cap and the medial portion of the frame, the axes of the trunnions being transverse to the railroad, and contact plates in the frame having long thin edges contacting the rail head for distances in advance and in rear of the trunnion axis.

2,003,210
ABDOMINAL SUPPORT
Ralph B. McMurry, Kalama, Wash.
Application December 27, 1933, Serial No. 704,160
1 Claim. (Cl. 2—41)

The combination with a body embracing garment, of a pad comprising a substantially heart-shaped body formed of a plurality of plies of fabric, stitches marginally connecting the plies and also providing spaced transversely disposed casements, stays fitted in the casements and having reversely tapered opposite ends, and separable fasteners at the inner face of the body embracing garment and on the pad at the outer side thereof for the placement of the latter over the abdomen of a wearer, with the stays lying transversely thereof to give the proper bend and tension to the pad.

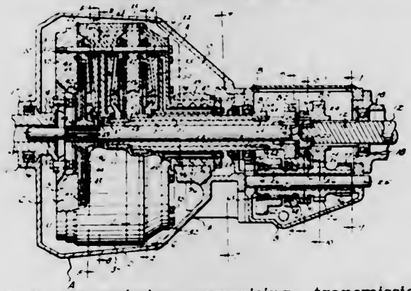


2,003,211
TYPEWRITING MACHINE
William O. Michelsen, Long Island, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,787
7 Claims. (Cl. 197—82)



1. In a typewriter or like machine, an escapement mechanism including a rack, a pinion rotatable thereby, a pivoted back dog successively engageable with the teeth of said pinion during rotation of the latter, and yieldable means for retaining the nose of the dog out of contact with the successively following teeth of the pinion during rotation of the latter.

2,003,212
POWER TRANSMISSION
Roy E. Millican, Dallas, Tex., and Word R. Millican, Parsons, Kans.
Application August 11, 1934, Serial No. 739,380
19 Claims. (Cl. 74—336.5)



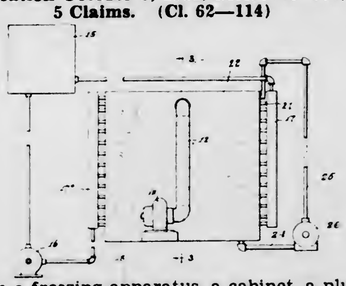
1. A transmission comprising, transmission gears, a plurality of hydraulic clutches connected with said gears, a driven shaft adapted to be connected with said gears and said clutches, a valve controlling the flow of hydraulic fluids to each clutch, a speed responsive governor operatively connected with said valve controlling the actuation of said clutches, and manually operated means for shifting said valve to limit the operation of the clutches to predetermined speed ratios.

2,003,213
AUTOMOBILE JACK
Frank Minutillo, Manahawkin, N. J.
Application April 11, 1934, Serial No. 720,097
1 Claim. (Cl. 254—1)



An automobile jack mounted on a base plate, a set of serrated rollers mounted to said base, a lifting screw mounted within the jack, a bevel gear mounted to the jack and operating said lifting screw, a bevel pinion rotating the bevel gear, a shaft mounted to said pinion, a square hole at the end of said shaft, a corrugated plate also attached to said pinion shaft, an extensible operating arm adapted to be inserted into the square socket in the pinion shaft, and spring clips attached to said extensible operating arm, said spring clips adapted to frictionally engage the corrugations in said corrugated plate attached to said pinion shaft.

2,003,214
FREEZING APPARATUS
Edward Joseph Murphy, Lynbrook, N. Y.
Application October 5, 1931, Serial No. 567,009
5 Claims. (Cl. 62—114)

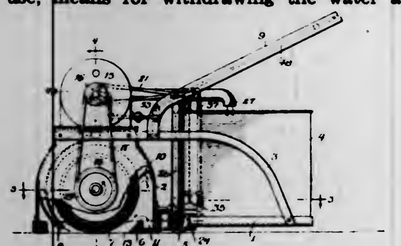


1. In a freezing apparatus, a cabinet, a plurality of pans arranged in said cabinet in superposed relation and spaced from each other, said pans being of a width corresponding to the width of the cabinet but of a length less than the cabinet and arranged with alternate pans in contact with the same end wall of the cabinet and succeeding pans in contact with opposite end walls to provide a sinuous path for air currents over succeeding pans, a refrigerant-containing coil disposed in each pan, a liquid heat exchange medium disposed in each pan in contact with the coil therein, and air circulating means for extracting the air from the cabinet above the topmost pan and redelivering it below the lowermost pan.

2,003,215
FLOOR CLEANER
Francis H. Nadig, Chicago, Ill.
Application July 17, 1934, Serial No. 735,664
2 Claims. (Cl. 15—50)

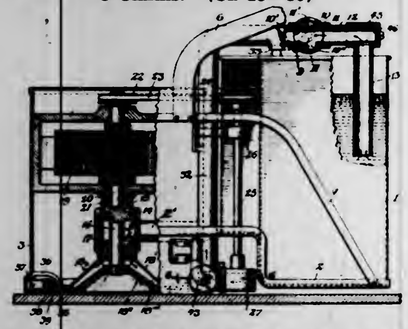
2. A floor cleaner including a cylindrical brush, a nozzle arranged adjacent said brush on one

side thereof, a water tank, means for directing water from said tank through said nozzle for a given period to a point adjacent said brush, said brush being adapted to engage the floor when in use, means for withdrawing the water ad-



jacent the brush and from a point on the opposite side to where the water enters, means for directing air through said nozzle for a second period, and manually actuated means for controlling the supply of air and water to said nozzle.

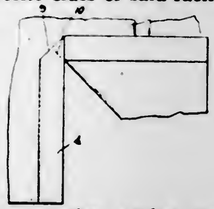
2,003,216
FLOOR CLEANING MACHINE
Francis H. Nadig, Chicago, Ill.
Application July 17, 1934, Serial No. 735,663
3 Claims. (Cl. 15—50)



1. A floor cleaner including a rotating water distributing head, an annular brush positioned around the discharge end of the head and in contact with the surface against which the head is adapted to project liquid, an annular trough arranged around said brush, said trough being open at the top, a sealing member carried by said trough and positioned to rest on the surface being cleaned whereby the water discharged from said head must pass beneath and between the bristles of said brush and then upwardly into said trough, a tank for supplying water to said head, a pump for removing the water from said trough and directing it into said tank, and a prime mover for rotating said head at the same time that the pump is operated.

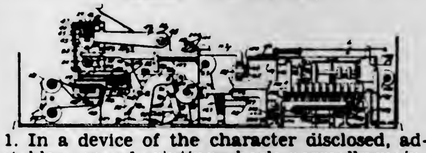
2,003,217
GARMENT
Charles E. Oathout, Shaker Heights, Ohio, assignor to The Kaynee Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1934, Serial No. 726,247
6 Claims. (Cl. 2—121)

1. In a garment, the combination of a placket opening of substantially rectangular shape, a continuous facing secured to the edges of said placket opening, said facing being folded at a point adjacent the crotch of said placket opening whereby opposite sides of said facing are super-



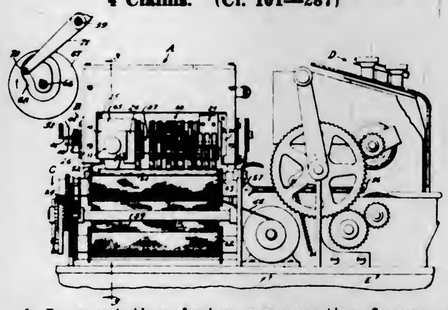
imposed on each other, and a portion of said facing, so folded, extending beyond the crotch of said placket opening.

2,003,218
ADJUSTABLE PRINTING MECHANISM
William J. Pearson, Los Angeles, Calif.
Application October 23, 1931, Serial No. 570,625
25 Claims. (Cl. 101—93)
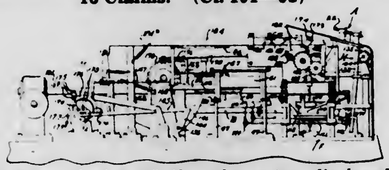


1. In a device of the character disclosed, adjustable numeral printing wheels normally maintained in a zero reading position, a keyboard including keys; operating mechanism adapted to connect one of the keys in said keyboard with every numeral printing wheel in a successive contact relation for the purpose of setting up numerical combinations in said numeral wheels, ratchet elements adapted to engage said operating mechanism to maintain said numeral wheels in their set-up relationship, and clearing mechanism adapted to be operated by a key in said keyboard to release said ratchet elements to permit return of said numeral wheels to zero reading position.

2,003,219
DATING DEVICE
William J. Pearson, Los Angeles, Calif.
Application October 23, 1931, Serial No. 570,628
4 Claims. (Cl. 101—287)



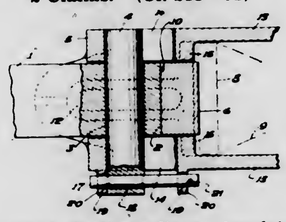
4. In a printing device, a supporting frame, a shaft supported in said frame, means for actuating said shaft, a switch controlling said shaft actuating means, printing wheels on said shaft, a printing element removably positioned in said frame and normally in alignment with said printing wheels, said printing element having a recess in its surface and said frame having an opening registering with said recess when said printing element is positioned in said frame in alignment with said printing wheels, a control arm pivotally mounted on said frame for actuating said switch, said control arm having a pin thereon projecting through said opening into said recess when said printing element is properly positioned in said frame and adapted to prevent the operation of the device when said printing element is removed from said frame or is not in alignment with said printing wheels.

2,003,220
TYPE-SETTING DEVICE
William J. Pearson, Los Angeles, Calif.
Application October 23, 1931, Serial No. 570,632
16 Claims. (Cl. 101—93)



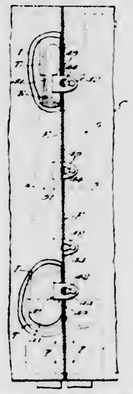
1. In a device of the character disclosed, a printer comprising rotatable numeral printing wheels normally maintained in a zero position; a selector device having a definite number of operative positions, said selector successively rotating said numeral wheels from a zero position to a numerical combination position; a keyboard mechanism adapted to be manipulated a definite number of times to actuate said selector device to the said definite number of positions, and a progressive release lock controlling the printing operations of said printer, said progressive release lock adapted to be actuated to a lock releasing position upon a predetermined definite number of manipulations of said keyboard.

2,003,221
RAILWAY DRAFT APPLIANCE
William J. Regan, Wilkinsburg, and Enoch George, Jr., Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1929, Serial No. 373,241
2 Claims. (Cl. 213—71)



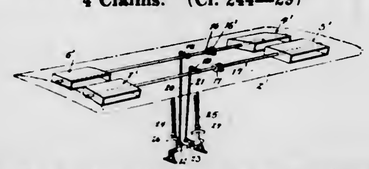
1. A railway draft appliance involving a car coupler having a curved rear end and provided with a pivot pin opening concentric with said end, a draft yoke, a bearing block of substantially uniform height and width throughout and having a rear face adapted to engage the forward follower of a draft gear and terminating at its forward end in a curved face cooperating with the curved face of the coupler, said coupler being slidable longitudinally with respect to said block, and a tail pin extending through said pivot opening for movably connecting the coupler and yoke, said yoke being provided with vertically aligned longitudinally extending slots for receiving the tail pin and being formed with inwardly projecting bosses adjacent said slots and having laterally spaced parallel walls overlapping opposite sides of said block, said bosses and walls forming guides for said block in all operative positions of the latter.

2,003,222
STUD-AND-EYE CLASP FOR CORSETS AND THE LIKE
Joel A. Rice, New York, N. Y.
Application July 10, 1934, Serial No. 734,499
9 Claims. (Cl. 24—222)



1. In a stud-and-eye clasp for corsets and the like, a flat resilient strip having tongues projecting beyond one of its longitudinal edges, the projecting portions of said tongues being formed with stud-receiving eyes, the inner end portions of said tongues being disposed at one side of said strip, and a second flat resilient strip lying permanently against said one side of the first named strip, said second strip having slots receiving portions of said tongues.

2,003,223
AIRPLANE
William K. Rose, New York, N. Y.
Application June 17, 1933, Serial No. 676,386
4 Claims. (Cl. 244—29)

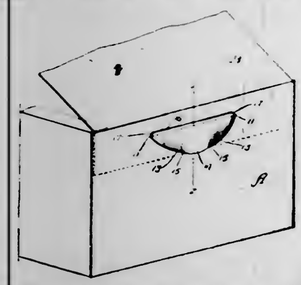


3. An airplane including a wing structure having a plurality of openings therein on opposite sides of the fuselage, a substantially rectangular shutter structure arranged in each of the openings, each of said shutter structures having a top and bottom vane with a free passageway between the vanes, rotatable means for supporting each of the shutter structures and manually controlled means for shifting the shutter structures so as to be flush with the wing structure or positioned with the leading edge above or below the wing structure.

2,003,224
CONTAINER
Edwin J. Schoettle, Philadelphia, Pa., assignor to Edwin J. Schoettle Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 2, 1934, Serial No. 738,123
4 Claims. (Cl. 229—44)

1. Connected sections of a cardboard container or the like wherein one section has an opening

affording transversely spaced opposed corners and transversely spaced walls opposing one another at a point spaced longitudinally of the section from said corners, the other section having tab means affording shoulders transversely spaced thereon a distance equal to the distance between said corners and engaged therein, and a second tab means affording shoulders spaced transversely of said second section and engaged



and fitting between the opposed walls of the opening of the first member, at least a portion of the last-named tab means being spaced longitudinally of the second section from the first-named shoulders a distance such that it overlaps the confronted edge of the opening of the first section intermediate the points of engagement of the last-named shoulders with said opposed wall portions.

2,003,225

GUY INSULATING AND GRADING MEANS

Edward C. Vrooman, Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Original Application September 4, 1930, Serial No. 479,755. Divided and this application August 24, 1932, Serial No. 630,266

7 Claims. (Cl. 173—366)



1. A strain insulator comprising a unitary body of dielectric material including a pair of substantially crescent shaped portions intersecting at right angles with their outer edges of oppositely curved convex shape and grooved, the other edges being of hollow form to define relatively thin wall portions at the base of the grooves in the convex edges.

2,003,226

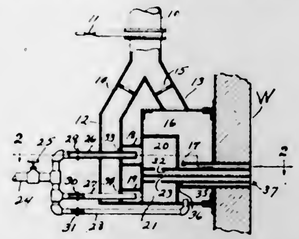
METHOD OF BURNING FUEL GAS

Harvey C. Weller, Salem, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application July 20, 1933, Serial No. 681,342

3 Claims. (Cl. 158—117.5)

1. In the operation of a gas-fired furnace the method herein described of maintaining combustion which consists in projecting into the combustion chamber a horizontally stratified stream of the two components, air and gas, of a combustion mixture, the stream including an intermediate stratum of mingled air and gas, overlaid by a stratum of greater air content and underlaid by a stratum of greater gas content,



with the consequence and effect that the flame produced is of decreasing luminosity from the lower portion of the combustion chamber upwardly.

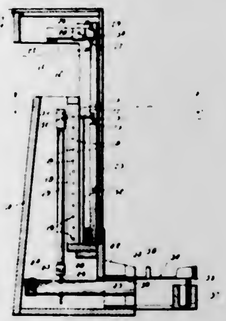
2,003,227

FOOT OPERABLE PLAYING ATTACHMENT FOR PIANOS

Carrol J. Wilson, Jonesboro, Tex.

Application July 12, 1934, Serial No. 734,833

5 Claims. (Cl. 84—444)



1. A device of the class described for use in connection with a piano, the device having fingers to strike the base keys of the piano and fingers to strike the treble keys of the piano, means to operate the treble fingers individually, means connected to operate a plurality of the fingers simultaneously to play a chord, rocker bars, connections from the rocker bars to said fingers, pedal means to operate each rocker bar of the second mentioned fingers individually, connections from each of the first mentioned rocker bars to a plurality of each of the first mentioned fingers for the playing of chords, and pedal means operable to individually actuate said first mentioned rocker bars.

2,003,228

LAMP

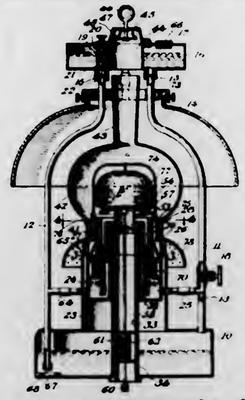
Florentino E. Zara, Maasin, Leyte, P. I.

Application November 5, 1934, Serial No. 751,616

4 Claims. (Cl. 67—38)

1. A lamp of the character described comprising an oil reservoir, a gravity feed oil tank, an oil font between the reservoir and tank, an oil feed tube leading from the tank to said font, a burner head on said font, a chimney holder on the head, a chimney fitted in said holder, a wick barrel formed in the burner head, a wick

fitting said barrel, a wick raiser operating through said reservoir and manually controlled



below the same, and means for delivering oil from the reservoir to the said tank.

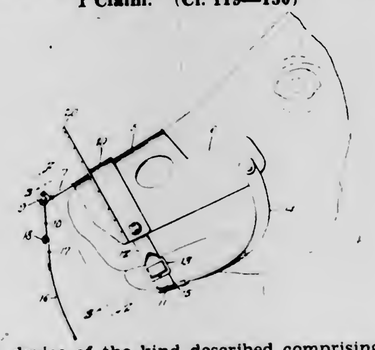
2,003,229

MUZZLE

Bob B. Bailes, Stigler, Okla.

Application January 15, 1934, Serial No. 706,784

1 Claim. (Cl. 119—130)



A device of the kind described comprising an arched nose bridge formed from a single sheet of material and having a medial forwardly projecting portion provided with a pintle sleeve at its outer free end, ears formed on the nose bridge and extended rearwardly, an adjustable lower jaw strap carried by the nose bridge, a hitch on said jaw strap and having branches fixed to the ears, a substantially U-shaped loop, a pintle swingingly connecting the loop with the pintle sleeve, a curved plate having a central tab swingingly supported by said loop to be suspended directly in front of a mouth of an animal, and a row of radially upstanding pricking spurs supported by said nose bridge.

2,003,230

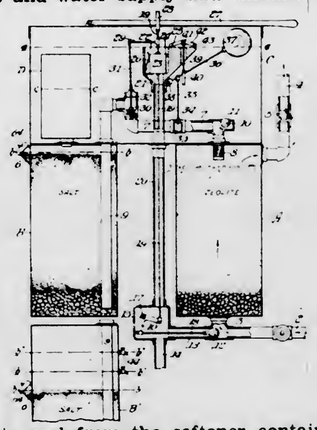
APPARATUS FOR SOFTENING WATER

Arthur Barrett, Bellevue, Pa.

Application December 4, 1931, Serial No. 578,931

12 Claims. (Cl. 210—24)

1. In a water softening system employing a water softening material and brine, the herein described means consisting of a softener container, a brine container having an air confining chamber at its top for exerting an opposing balancing air pressure against a predetermined volume of brine under pressure of incoming raw water, means including a superimposed reservoir having an overflow sewer connection and a liquid circulating connection between the containers and water supply and exhaust connec-



tions to and from the softener container and from the latter to the sewer connection, for separating and maintaining a measured volume of water under a low static pressure and for passing the brine through the softening material on release of raw water pressure, and for flushing the softening material.

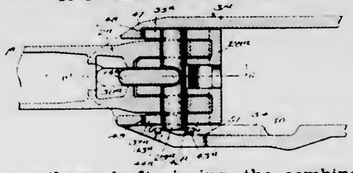
2,003,231

DRAFT RIGGING

Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland

Application August 15, 1927, Serial No. 213,144

39 Claims. (Cl. 213—69)



7. In railway draft rigging, the combination of a coupler, a yoke, and means for connecting said yoke and coupler, said means including a bearing block slidable relative to said yoke and engageable therewith for transmittal of draft forces, and means for pivotally securing said coupler to said block.

2,003,232

HOLLOW ARTICLES, SUCH AS PIPE FITTINGS AND THE LIKE, AND METHOD OF MAKING THE SAME

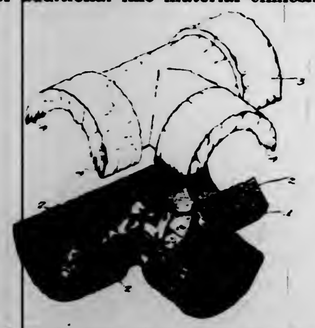
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

Application May 15, 1933, Serial No. 671,260

6 Claims. (Cl. 18—55)

1. A method of making a composite hollow article, such as a pipe fitting, which comprises preforming a part of said article of binder-impregnated fibrous material to substantially

final shape with a relatively dense body and less dense ragged extended edges, placing said part in cooperative relation with a core, completing the preform of the article about said core of additional like material enmeshed with



said edges, heating the article and simultaneously applying molding pressure thereto to cause the material of the said body to flow toward the enmeshed edges so as to produce a finished homogeneous article, and thereafter removing said core.

2,003,233

PROCESS OF MANUFACTURING HIGH VISCOSITY INDEX OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

No Drawing. Application March 2, 1931, Serial No. 519,698

25 Claims. (Cl. 196—13)

1. In the art of making lubricating oils, the process of producing oils having high viscosity indices which comprises commingling halogenated ether with an oil having a low viscosity index, agitating the mixture to form a solution wherein the oil constituents having a relatively low viscosity index unite with the halogenated ether, then separating said solution from the constituents having a higher viscosity index, and separately distilling the halogenated ether from the resultant products.

2,003,234

PRODUCING HIGH VISCOSITY INDEX OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

No Drawing. Application April 21, 1932, Serial No. 606,764

10 Claims. (Cl. 196—13)

2. In the art of making high viscosity index lubricating oils, the process of treating oils having high and low viscosity index constituents, which comprises mixing dichlorethyl ether with the oil to be treated, separating the mixture into an oil fraction having a higher viscosity index than that of the original oil, and a dichlorethyl ether fraction, and distilling the dichlorethyl ether from one of said fractions in the presence of a neutralizing agent to neutralize the products of decomposition.

9. The process of treating oils having different constituents which comprises treating the oil with a chlorinated ether to effect a separation of the oil into fractions, separately distilling said fractions with steam to recover chlorinated ether from said fractions, condensing said steam, and recovering the chlorinated ether from said condensed steam.
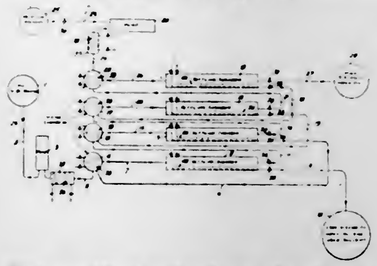
2,003,235

PROCESS OF MANUFACTURING HIGH VISCOSITY INDEX OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application May 2, 1932, Serial No. 608,590

7 Claims. (Cl. 196—13)



1. The process of treating oils having high and low viscosity index constituents which comprises agitating a mixture of oil and dichlorethyl ether at a temperature at which the dichlorethyl ether is soluble with the low viscosity index constituents of the oil, and separating the solution of dichlorethyl ether and low viscosity index constituents from the high viscosity index constituent at approximately the same temperature at which the oil and dichlorethyl ether were agitated.

2,003,236

PROCESSES OF PRODUCING HIGH VISCOSITY INDEX OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware.

No Drawing. Application October 22, 1932, Serial No. 639,046

7 Claims. (Cl. 196—13)

1. In the art of making high viscosity index oils from low viscosity index oils containing asphaltic materials, the process which comprises treating the oil including its asphaltic content with a chlorinated ether to effect a separation of the oil into high and low viscosity index fractions, removing the chlorinated ether from said fractions, and treating said high viscosity index fraction to further remove asphaltic materials.

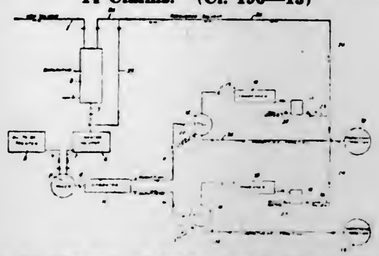
2,003,237

PROCESS OF TREATING MINERAL OILS WITH SELECTIVE SOLVENTS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application June 23, 1933, Serial No. 677,256

14 Claims. (Cl. 196—13)



1. In the art of separating mineral oil into fractions more paraffinic and more naphthenic than the original oil, the process of using acid-containing solvents which comprises percolating the solvent through fullers earth to remove the acid from the solvent, thereafter treating the oil with said solvent to effect a separation of the oil into fractions more paraffinic and more naphthenic than the original oil, separately distilling said fractions and treating said fractions with steam to recover the solvent, and percolating the recovered solvent through fullers earth to remove acid formed in the solvent during the recovery thereof.

14. The method of recovering BB', dichlorethyl ether by distillation from hydrocarbon oils mixed therewith, comprising neutralizing said BB', dichlorethyl ether before and after the distillation step.

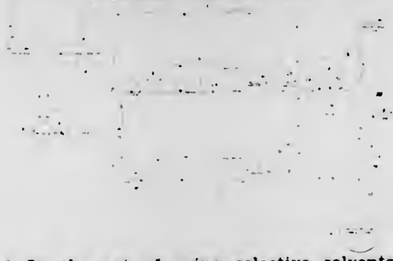
2,003,238

PROCESS OF SEPARATING MINERAL OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application June 23, 1933, Serial No. 677,257

6 Claims. (Cl. 196—13)



1. In the art of using selective solvents to separate lubricating oil into fractions more paraffinic and less paraffinic than the original oil, the process which comprises commingling the oil with chlorinated ether, thereafter separating the selected fraction from the other fraction, distilling from the more paraffinic fraction approximately all of the chlorinated ether contained therein, and thereafter subjecting said paraffinic fraction to a deodorizing operation whereby the ether odor is removed from the paraffinic oil.

2,003,239

PROCESS OF SEPARATING CONSTITUENTS OF MINERAL OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application June 23, 1933, Serial No. 677,258

5 Claims. (Cl. 196—13)



1. The process of treating oils having different constituents which comprises mixing the oil with a halogenated ether, separating the mixture into fractions, separately distilling one of said fractions with steam to separate the halogenated ether from said fraction, condensing said steam, distilling a relatively small quantity of said condensed steam to recover approximately all of the solvent contained in the condensed steam, and separating the last mentioned solvent from the condensed steam.

2,003,240

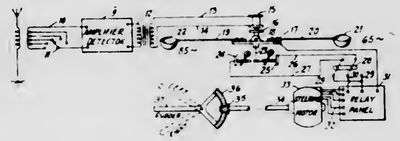
METHOD OF AND APPARATUS FOR RADIO-DYNAMIC STEERING CONTROL

Theophile E. Brockstedt, San Francisco, Calif., assignor to Washington Institute of Technology, Inc., a corporation of Delaware

Application August 28, 1930, Serial No. 478,497

Renewed April 17, 1935

23 Claims. (Cl. 250—2)



2. The method of remote control of distant apparatus which includes the steps of simultaneously transmitting two distinctive and sustained directional control signals from a given point, utilizing said signals to establish two opposing control forces whose relative intensity is dependent upon the relative intensity of the respective signals, effecting the desired control by the differential force resultant from said control forces, and altering the characteristics of the transmitted signals to unbalance said control forces when desired and thereby effect the remote control of said distant apparatus.

9. In combination, a plurality of angularly arranged directional antennas, means for radiating waves modulated with different audio frequencies from each of said antennas, a receiving device, a plurality of electro-mechanical resonance relays operatively connected with said receiving device for actuation thereby, and apparatus operatively connected to said relays to be controlled thereby.

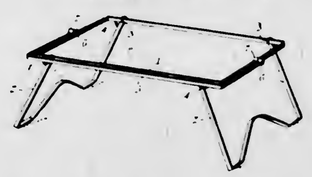
2,003,241

BED TRAY TABLE

Alexander Brown, New York, N. Y.

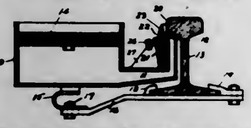
Application April 13, 1934, Serial No. 720,373

3 Claims. (Cl. 248—166)



1. A device of the character stated, including an open frame adapted to receive a tray or other device thereon, supports pivotally connected to the frame, a bail pivotally connected to the frame, and angular fingers connected to the pivots of said supports and said bail and projecting across the frame, so that said fingers limit the pivotal movement of the supports and bail.

2,003,242
RAILWAY AND TRAMWAY RAIL AND WHEEL FLANGE LUBRICATION
Edwin George Butcher, Wahroonga, and William Edmund Jupe, Eastwood, New South Wales, Australia
Application August 19, 1933, Serial No. 685,942
In Australia July 13, 1933
17 Claims. (Cl. 184—3)



1. A rail and wheel flange lubricator adapted to supply lubricant intermittently in small quantities to the wheel flange side of a rail head and comprising a lubricant container filled with lubricant and positioned near the track, a container delivery mouth positioned near and parallel to the wheel flange side of the rail head, a weighted plunger within the container resting on the lubricant, springs secured to the base of the container, and horizontal bars carrying the springs and secured to the rail.

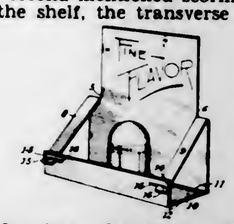
2,003,243
TOOTHBRUSH
Lawrence W. Campbell and Wilber P. Watson, Clarksburg, W. Va.; said Watson assignor to Ann Watson, Clarksburg, W. Va.
Application July 29, 1933, Serial No. 682,854
2 Claims. (Cl. 15—167)



1. A tooth brush comprising a handle, a head structure, said head structure being provided with a plurality of transversely extending slots, a plurality of bristle mounts, pins for slidably connecting the said bristle mounts to the head at the said slots, and means between the said bristle mounts whereby pressure on the intermediate bristle mounts will cause the outermost bristle mounts to move outwardly, while pressure on the outermost bristle mounts will cause the intermediate bristle mounts to move outwardly.

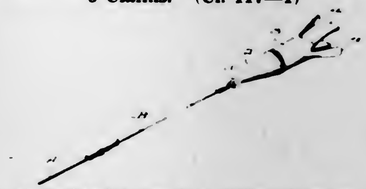
2,003,244
COMBINED ADVERTISING AND DISPLAY DEVICE
Ralph J. Carboni, New Orleans, La.
Application November 30, 1934, Serial No. 755,481
2 Claims. (Cl. 211—88)

1. In a display device, a blank comprising pliable material having slits near its side edges at the upper edge thereof extending a suitable distance longitudinally of the blank, the portions between the slits and the side edges being adapted to form brackets when bent at the inner ends of the said slits, the portions of the brackets near their outer ends being transversely slitted to produce tabs at the ends of the brackets, the said material being scored transversely between its ends and having scores between the first mentioned scores and the lower end thereof, and the said blank having slits between the last mentioned scoring and the end adapted to receive the tabs of the bracket when the material is bent on the line of the first mentioned scoring to form a shelf and on the line of the second mentioned scoring to form a flange of the shelf, the transverse slits of the



brackets forming clearances whereby the brackets may be moved transversely of the blank in the slits at the lower end of the blank to form an interlocking connection.

2,003,245
DEVICE FOR RESTORING THE LAY TO TWISTED TEXTILE LINES
Charles Oliver Carey, Miami, Fla.
Application June 20, 1934, Serial No. 731,557
5 Claims. (Cl. 117—1)



1. A device for use in a body of water in retwisting partially untwisted normally twisted textile lines to restore the lay thereto, said device comprising a hollow cylindrical body of unbroken area having an open end, a hollow conical nose of unbroken area integral, and merging at its rear and point of greatest diameter, with said body, and an attaching eye integral with the forward tip of said nose for connection with the end portion of a textile line to turn therewith, the point of engagement between said line and eye being substantially in line with the axis of said device as a whole, and the hollow interiors of said nose and body being in communication and functioning to create a partial vacuum to increase the resistance of the device in the water in opposition to the pull of the line to which it is attached to thereby hold said line more taut and increase the speed of rotation of the device, in combination with a plurality of screw-type propeller blades integral with and extending from the rear edge of said body and adapted to be acted upon by the water as the device is pulled therethrough to cause rotation of said device, said blades being of such size and material and so connected to said body that they may by hand be spread apart or pressed toward each other or individually twisted to change their degree of, or to reverse the direction of their, twist.

2,003,246
WINDOW FASTENER
Charles W. Carr, Lancaster, N. H.
Application May 1, 1934, Serial No. 723,392
2 Claims. (Cl. 292—228)

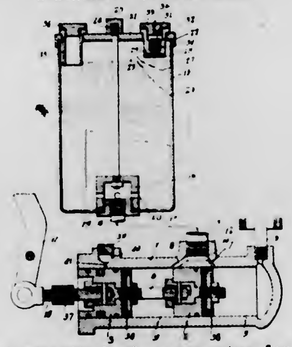
1. In a window fastener including a keeper strip having a plurality of equi-distantly arranged openings therein, a bearing sleeve, transversely curved ears extending from opposite sides of the bearing sleeve to receive attaching means, a bolt, an arm extending at an angle from one end of said bolt and mounted in the

bearing sleeve for pivotal movement, an arm extending at an angle from the opposite end of said bolt and at right angles with respect



to the first mentioned arm to be received in any one of the openings and spring means for said bolt.

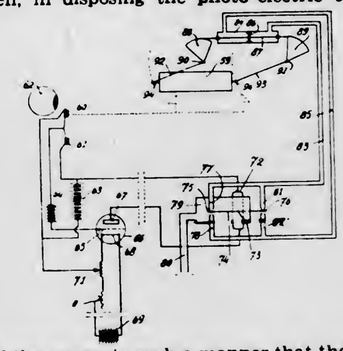
2,003,247
HYDRAULIC BRAKE APPARATUS
Eugene G. Carroll, Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 18, 1930, Serial No. 421,736
3 Claims. (Cl. 60—54.6)



1. In hydraulic brake apparatus for automobiles, the combination of a cylinder, two pistons of equal diameter mounted to move in the cylinder with means connecting the same for advancement in unison, means connected with the pistons for advancing the same to apply the brakes, said pistons having a position of rest and said cylinder having an inlet port for the operating fluid just in advance of the forward piston when in the said position of rest, and with a passage leading from the inlet port through the cylinder wall into the interior of the cylinder back of the forward piston, whereby the advance of the rear piston with the forward piston maintains a liquid seal back of the advancing forward piston, a pipe connection for connecting the forward end of the cylinder to the wheel brakes, and a reservoir for the operating liquid connected with the cylinder and supplying operating liquid to the said inlet port, said reservoir having a closed air chamber above the liquid level therein.

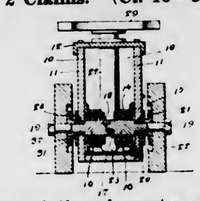
2,003,248
IMPROVEMENTS IN CONTROL OF GLARE SHIELDS OF VEHICLES
Constantin Chilowsky, Paris, France
Application July 27, 1932, Serial No. 625,173. Renewed May 2, 1935. In Germany August 7, 1931
9 Claims. (Cl. 296—97)

1. A method for protecting the eyes of a motor vehicle driver from the blinding action of illuminants such as the headlights of an approaching vehicle, which consists in mounting in the motor vehicle at least one photo-electric cell which is exposed to the blinding light, in providing a movable protecting screen in the form of a narrow strip and adapted to take position in front of the driver's eyes, mechanical means for moving the screen, an electrical connection between the photo-electric cell and the means for moving the screen, in disposing the photo-electric cell be-



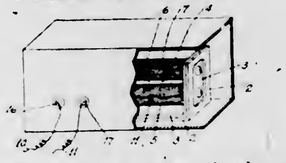
hind the screen in such a manner that the screen casts a shadow upon a part of the photo-electric cell when said screen casts a shadow upon the driver's eyes, the variations of current in the photo-electric cell according to the blinding light and the shadow cast by the screen acting on the means for moving the screen.

2,003,249
CASTER
Oscar Clay, South Bend, Ind.
Application July 2, 1934, Serial No. 733,507
2 Claims. (Cl. 16—36)



1. A caster of the character described comprising a hollow body, a swivel stem vertically fitted within the body, a bearing ball supported within the body against which the swivel stem operates, a pair of axles fitted transversely of said body and having interfitted ends, wheels upon said axles and at opposite sides of the body, and bearing ball boxings arranged within the body and about said axles and having bearing balls.

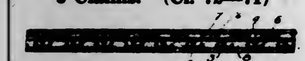
2,003,250
RADIO RECEIVING SET
Juan Antonio Vila y Colombo, Habana, Cuba
Application August 8, 1932, Serial No. 627,979
In Cuba August 1, 1932
3 Claims. (Cl. 250—20)



1. In a radio receiving set, two closely arranged coils, cores supporting said coils and insulated

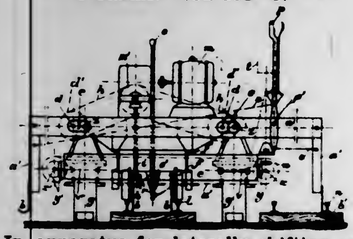
from each other, one of said cores being formed of magnetizable material and the other being formed of copper, the coils being connected, respectively, with the antenna and ground leads.

2,003,251
REENFORCED CONCRETE CONSTRUCTION SLAB
William P. Cummings, Woodside, N. Y.
Application May 19, 1934, Serial No. 726,539
3 Claims. (Cl. 72—71)



3. A concrete structure including an expanded metal member bent back and forth upon itself to produce successive rectangular sections, foraminous reenforcing metal members arranged on each side of the first mentioned metal member, a concrete body in which all of said metal members including the foraminous reenforcing members are embedded, and a plurality of reenforcing members distributed substantially uniformly in the space surrounded by said rectangular members.

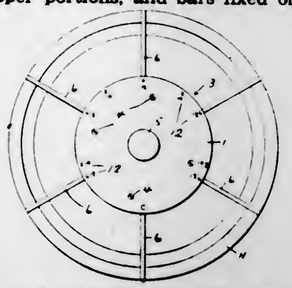
2,003,252
TRACK SHIFTING DEVICE
Hendrik Bernardus Marie de Lange, Nijmegen, Netherlands
Application June 30, 1930, Serial No. 465,013
In the Netherlands July 12, 1929
4 Claims. (Cl. 104—8)



1. In apparatus for laterally shifting railway tracks, a frame, wheels mounted on said frame and adapted to run on one of said tracks to transport the apparatus, means mounted on said frame for holding said track in fixed relation to said wheels, a pair of shafts mounted parallel to each other in suitable bearings on said frame, a source of power, means for coupling said source of power to said wheels, and means for coupling said source of power to said shafts to rotate said shafts in the same direction, in combination with a transverse bar, a pair of crank arms having their longitudinal central lines always disposed parallel to each other, and a pair of feet respectively mounted on the respective crank arms to move therewith about the respective axes of said shaft and disposed on opposite sides of said track and adapted to support the same and said apparatus during the actual lifting and transverse movement thereof, said crank arms being connected at one end to said shafts respectively to turn therewith.

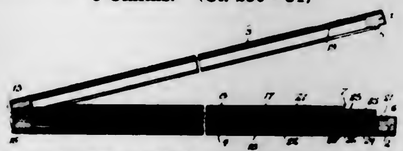
2,003,253
PIE CUTTER
Joseph B. Deutsch, Boulder City, Nev.
Application August 25, 1931, Serial No. 559,335
3 Claims. (Cl. 146—209)

1. A pie cutter comprising a substantially circular holder having a series of radially disposed sockets therein communicating with its periphery for selectively receiving a plurality of blades, and a plurality of blades removably mounted on the holder, said blades including extensions on their upper portions, and bars fixed on the ex-



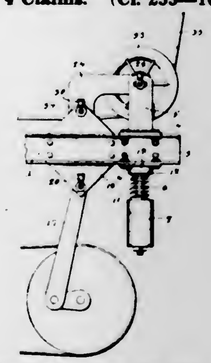
tensions and extending inwardly therefrom for slidable endwise insertion in the sockets.

2,003,254
X-RAY CASSETTE
Adolph E. Drexel, Palatka, Fla.
Application November 14, 1934, Serial No. 753,060
5 Claims. (Cl. 250—34)



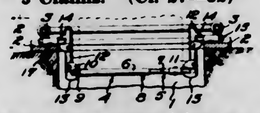
1. An X-ray cassette, comprising a pair of interlocking frames, means for hingedly connecting said frames along one edge, means at the opposite edges for disengageably locking said opposite edges together, a covering plate for each of said frames, a division member arranged interiorly of said frames, said division member being provided with a central steel plate, a lead plate on each side of said steel plate, a cushioning member mounted on each of the lead plates, and an intensifying screen positioned on each of said cushioning members and an intensifying screen secured to the inner face of each of said covering plates, X-ray plates being adapted to be placed between the respective pairs of intensifying screens and slightly pressed by said cushioning members so as to be held against accidental movement.

2,003,255
WIRE LINE SHOCK ABSORBER
Elmo E. Duff, Jennings, Okla.
Application March 12, 1934, Serial No. 715,250
4 Claims. (Cl. 255—16)



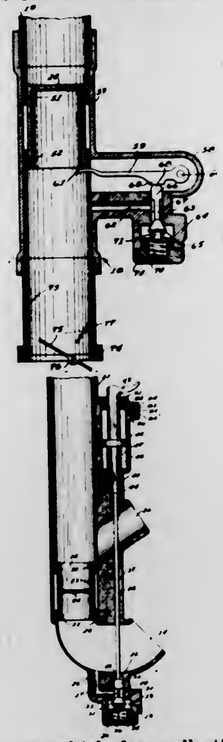
1. In a shock absorber for the line of a well drilling machine including a walking beam, guiding means for the line and including a pair of pulleys, a substantially U-shaped bracket having one of said pulleys journaled between the arms thereof, means for slidably and resiliently mounting the bracket with respect to the walking beam, bell crank arms having one of their ends pivotally connected to the bracket, means fixed to the walking beam and having the opposite ends of the bell crank arms pivotally connected thereto, and said fixed means having the other pulley journaled thereto.

2,003,256
SAFETY DEVICE
George D. Engle, Logan, Ohio
Application May 18, 1934, Serial No. 726,397
3 Claims. (Cl. 27—32)



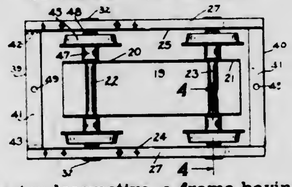
1. A safety device comprising an adjustable member, side members hinged to the adjustable member, and supporting arms hinged to the side members to engage with opposite walls of a grave.

2,003,257
FARE COLLECTION METHOD AND APPARATUS
Frank R. Fageol and William B. Fageol, Kent, Ohio
Application January 29, 1931, Serial No. 512,165
40 Claims. (Cl. 243—3)



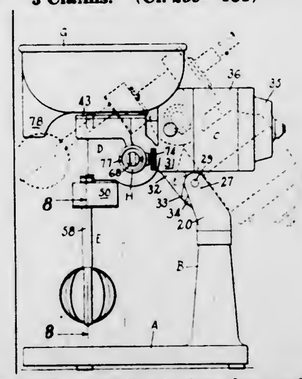
3. A system of vehicle fare collection comprising a fare receiving station, a fare-collecting station at a point remote from said receiving station, a carrier, means to guide said carrier from one of said stations to the other, mechanism at said receiving station to cause said carrier to be projected to said collecting station, and mechanism to automatically return said carrier to the receiving station.

2,003,258
TRUCK FOR TOY LOCOMOTIVE
Alfred C. Gilbert, North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application August 29, 1931, Serial No. 560,059
24 Claims. (Cl. 46—48)



24. In a toy locomotive, a frame having a pair of spaced apart members, a pair of wheels between said members, one of said wheels being adjacent each of said members, a generally U-shaped toy part disposed between said wheels in upstanding position, a wheel shaft extending between and passing through said members and through said wheels, and said shaft also passing through the upstanding sides of said toy part to suspend the latter therefrom with the bight portion thereof below said shaft.

2,003,259
KITCHEN UTILITY DEVICE
Alfred C. Gilbert, North Haven, and Arthur A. Arnold, New Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn.
Application January 4, 1933, Serial No. 650,112
3 Claims. (Cl. 259—131)



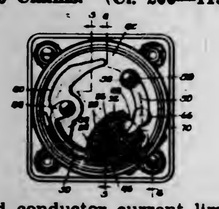
1. In a kitchen utility device, the combination of a base, a pedestal rising therefrom, a bracket pivoted to the upper end of the pedestal to swing in a vertical plane, a motor fixed on the bracket and movable therewith, a gear case adjacent one end of the motor casing, a vertical shaft journaled in said gear case, worm gearing for driving said vertical shaft from the motor shaft, a power shaft located below the motor shaft and below the gearing connecting the vertical shaft with the motor shaft, said power shaft being disposed substantially at right angles to the motor shaft and located between the vertical shaft and the motor, a socket on the gear case associated with said

power shaft for the connection of various accessory appliances, worm gearing connecting the power shaft with the vertical shaft so that it is driven therefrom, a fruit reamer connected with the upper end of the vertical shaft, and a depending agitator driven from the lower end of said vertical shaft.

2,003,260
CIRCUIT CONTROLLER

Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois

Application March 6, 1933, Serial No. 659,775
26 Claims. (Cl. 200—113)

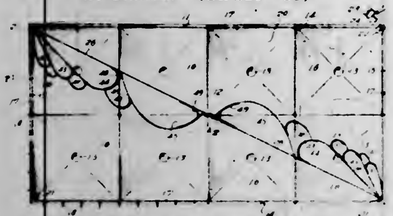


1. A liquid conductor current limiting circuit controller including: a control tube made of heat resisting insulation and having a current limiting bore therewithin, a casing surrounding said control tube and forming an expansion chamber with which said bore communicates suitably for the passage of a liquid into said bore, a pair of electrodes, a suitable quantity of liquid conductor within said container, said container including means for flowing said liquid conductor into said bore and into contact with said electrodes to electrically connect said electrodes lengthwise through said bore, the shape and arrangement of said container and control tube being such that liquid conductor expelled from said control tube by an overload will be prevented from reconnecting said electrodes except upon operation of said means; said controller being characterized by the fact that the portions of said electrodes exposed within said casing when not connected by liquid conductor are insulated from one another by a material which has the quality of maintaining substantially its full insulating qualities in spite of its exposure to high temperatures and to hot gases in contact with its surface.

2,003,261
THICKENER

Nels B. Lund, Seaford, N. Y., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application February 16, 1931, Serial No. 515,917
Renewed November 15, 1934
26 Claims. (Cl. 210—55)

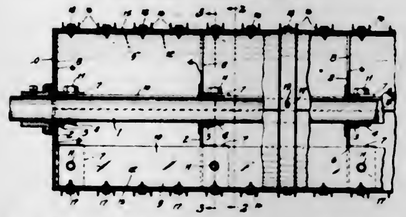


1. In settling apparatus, a tank having a bottom for collecting settled sludge, sludge conveying means for sweeping the tank bottom comprising a sludge scraping device, a motivating element therefore travelling around the circumference of the tank, a circumferential rigid guide for said motivating element, a flexible connection for securing the sludge scraping device to said travelling motivating element at a point above the liquid level of the tank, and means operable upon the travelling motivating element for counterbalancing lateral pull thereon of the sludge scraping device, and means for moving the motivating element.

2,003,262
SAW CYLINDER FOR COTTON EXTRACTING MACHINES

Orville Mitchell, Dallas, Tex.

Application May 19, 1934, Serial No. 726,437
2 Claims. (Cl. 19—63)

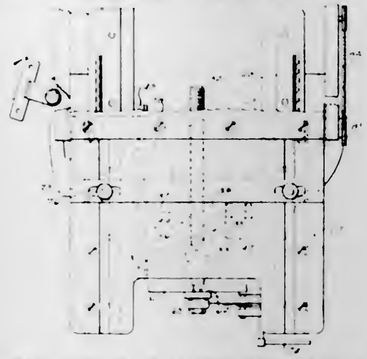


1. A saw cylinder for cotton extracting machines comprising, in combination, a shaft, a series of disks secured thereon in spaced relation, each of said disks being provided with equally spaced, circumferential radial recesses, corresponding recesses of the respective disks aligning, lips projecting, respectively, at right angles from corresponding sides of said recesses, an angle bar mounted in each aligning series of recesses, each angle bar extending the full length of the cylinder and comprising a straight flat metal member secured to the lips of its line of recesses and having an integral curved supporting member extending across the outer ends of said recesses, a sheet metal housing surrounding and supported on said disks and supporting members, and a series of saw bands encircling said housing at intervals throughout the length of the cylinder and secured in position by screws passed through apertures in the saw bands and engaged in said supporting members.

2,003,263
ADJUSTABLE WORK CARRYING TABLE

Henry Quintin Munn, Walkerville, Ontario, Canada, assignor to Michigan Tool Company, a corporation of Michigan

Application March 25, 1931, Serial No. 525,221
5 Claims. (Cl. 51—95)

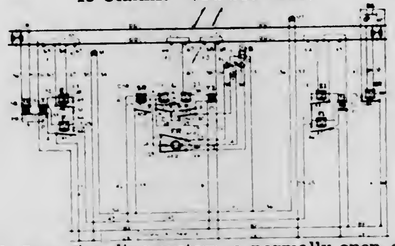


1. The method of varying the indexing of a work piece relative to the angle of lead of an indexing screw which includes the angular disposition of the screw relative to the normal retained position of the work piece.

2,003,264
RAILWAY CROSSING SIGNAL

Frank H. Richterkessing, Louisville, Ky., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky., a corporation of New York

Application January 20, 1932, Serial No. 587,686
15 Claims. (Cl. 246—128)

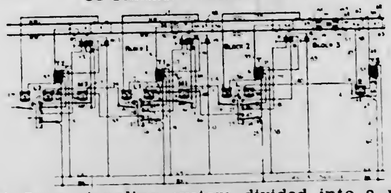


1. In a signaling system, a normally open circuit containing an operating coil of one relay and the armature of a second, means for closing the said circuit, a second normally open circuit containing the operating coil of the said second relay, the latter mentioned coil being adapted for attracting the said armature to interrupt the first said circuit, the said means likewise being adapted for closing the said second circuit, in combination with a circuit including an electromagnet and an armature adapted to be attracted by the first said operating coil, a circuit containing an armature adapted to be attracted by the said electromagnet, a signal controlled thereby, and another normally open circuit containing an operating coil, and other means controlled by the last mentioned coil for controlling the said signal and for restoring the said armature attracted by the said electromagnet to normal.

2,003,265
RAILWAY SIGNALING SYSTEM

Frank H. Richterkessing, Louisville, Ky., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky., a corporation of New York

Application January 20, 1932, Serial No. 587,687
31 Claims. (Cl. 246—37)

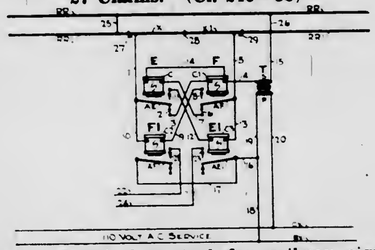


4. In a signaling system divided into a plurality of successive blocks and adapted to be operated by a train, in combination with a block or section of a railway and a track for the said train, said track comprising insulated sections at one of said stations, an electro-magnet adapted to be temporarily controlled by a train or car engaging the said insulated sections, a switch controlled by the said electro-magnet, a second switch, a normally indicating proceed signal controlled by the said second switch, a stop signal, and mechanical means cooperating with the said first and second switches whereby the first switch may control the second to discontinue the display of said proceed signal and cause the display of the said stop signal, and means responsive to the entry of the train into the successive block of the system, for restoring the said second switch to normal and to withhold the normal operation of the said proceed signal.

2,003,266
CONTROL FOR RAILWAY SIGNAL SYSTEMS

Frank H. Richterkessing, Louisville, Ky., assignor to Nachod & United States Signal Co., Inc., Louisville, Ky., a corporation of New York

Application February 1, 1932, Serial No. 590,245
27 Claims. (Cl. 246—58)

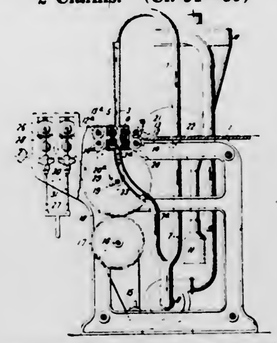


1. An electrical control for railway signals, comprising, a track, one of the rails of said track comprising insulated sections to be bridged by the wheels of a car or train, a plurality of electro-magnets, connections between the said insulated sections and said electro-magnets whereby the wheels of a train engaging the said sections when moving in different directions will energize different electro-magnets, and means responsive to the energization of either of the latter said electro-magnets and the successive engagement of the wheels with the said sections for energizing one or another of a second group of electro-magnets dependent upon the order of the successive engagement of the said sections, and means for retaining the energization of the selected electro-magnet of the first said group during the successive engagement of the said sections.

2,003,267
MACHINE FOR DUSTING SHEET MATERIALS

Gabriel Smith and Colman Smith, Leyton, London, England

Application October 12, 1933, Serial No. 693,359
In Great Britain March 21, 1933
2 Claims. (Cl. 91—59)



1. A machine of the character described, comprising in combination, a feed table and a de-

livery table, a suction space between the two tables through which material is passed from the former to the latter, means between the feed table and said suction space and like means between said space and the delivery table for feeding the material as stated, opposed stationary brushing means between the first of said feeding means and the applied suction area and opposed movable brushing means between said area and the second of said feeding means between each of which the material is directed in feed movement; said stationary and movable brushing means being both contained within a chamber providing the suction space, and said suction space being connected with means for the application of suction at both sides of the material passed therethrough.

2,003,268

METHOD OF ETCHING PLANOGRAPHIC PLATES, COMPOSITION THEREFOR, AND RESULTING PRODUCT

William B. Wescott, Dover, Mass., assignor to Multigraph Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 13, 1933, Serial No. 689,285

36 Claims. (Cl. 41—41.5)

12. Method of treating the non-printing areas of the surface of a planographic printing plate carrying a light-hardened colloid image, with an aqueous solution comprising a passivator for the metal and an acid phosphate, characterized by being buffered substantially at the isoelectric point of the light-hardened colloid image substance, whereby the metal is passivated and the swelling of said image substance is maintained at a minimum.

16. A combined etching and dampening composition for metal planographic printing plates, comprising a passivator chosen from the designated class of passivating agents, an acid phosphate, a peptizing agent and water.

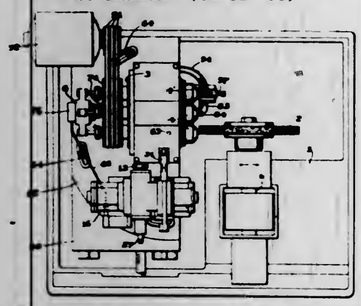
2,003,269

AUTOMATIC GRINDING MACHINE

Harry Arter, Worcester, and Warren F. Fraser, Westboro, Mass., assignors to Arter Grinding Machine Company, Worcester, Mass., a corporation of Massachusetts

Application March 25, 1933, Serial No. 662,754

20 Claims. (Cl. 51—95)



19. In a grinding machine, the combination of a turret carrying a series of work supporting chucks, a grinding wheel for acting on the work supported in said chucks, mechanism for indexing said turret to bring said chucks successively into loading and working positions, a fluid actuated operating mechanism associated with each individual chuck for controlling the clamping and releasing of the work, a valve comprising a valve body rigid with said turret and having ports communicating with said respective chuck operating mechanisms, said valve also including a valve plug around which said valve body is rotatable, and connections between said valve plug and said indexing mechanism for oscillating the plug in a definite timed relationship to the indexing movements of the turret.

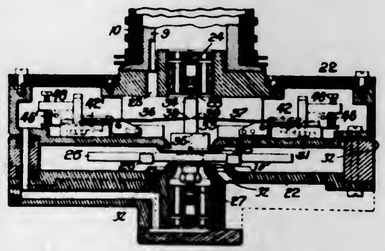
2,003,270

FOLLOW-UP SYSTEM FOR MAGNETIC COMPASSES

Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application January 11, 1934, Serial No. 706,207

6 Claims. (Cl. 33—204)



1. A remote or power control for magnetic compasses and the like comprising the combination with the magnetic needle element, a disc thereon, means for maintaining a superior air pressure thereunder than above the same to support the weight of said element, said element also having an eccentric aperture through which some of said air pressure escapes, a pair of biased pivoted vanes, the ends of which lie adjacent said aperture, and power means controlled by the relative movement of said vanes.

2,003,271

HURDLE WASHER

Wilhelm Beimann and Johann Hagenbeck, Bochum, Germany

Application January 20, 1934, Serial No. 707,456

In Germany September 19, 1932

3 Claims. (Cl. 261—111)



1. A vertical hurdle washer comprising a casing and hurdles therein consisting of superposed layers of strips of expanded metal with the strips in each layer arranged on edge and extending at an angle to the strips in an adjacent layer and inclined to the vertical, so that each layer forms a pervious mass continuously retarding and subdividing water flowing downwardly through the mass and bringing said water into intimate contact with gas passing upwardly through the mass.

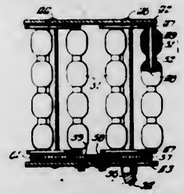
2,003,272

MASSAGING DEVICE

William G. Betz, Hammond, Ind.

Application January 31, 1931, Serial No. 512,612

3 Claims. (Cl. 128—59)



1. In a massaging device, a frame including a pair of end plates, a pair of rotatable shafts journalled in said plates, a massaging element carried by each of said shafts comprising discs encircling each shaft disposed between said end plates and adjacent thereto, rods lying parallel to the shaft and secured to said discs, independently revolving massaging rollers carried by said rods, and means for turning said shafts in opposite directions to rotate said massaging elements whereby the massaging rollers revolve when in contact with the skin to produce a kneading-massaging action on the skin.

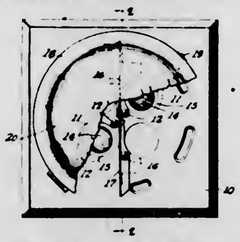
2,003,273

HOSPITAL CORRIDOR LIGHT

Frederic Lewis Garrigues, Meriden, Conn., assignor, by mesne assignments, to Connecticut Telephone & Electric Corporation, Meriden, Conn., a corporation of Delaware

Application June 12, 1928, Serial No. 284,863

4 Claims. (Cl. 177—329)



2. A signal lamp comprising a housing having an opening therein, a light transmitting cover for said opening, all portions of which are adapted to give the same signal indication when illuminated partitioning means in said housing dividing the same into a plurality of compartments, and a source of light in each of said compartments, all of said lights being connected in parallel and adapted to be normally simultaneously energized to transmit light rays through substantially all portions of said cover for giving a single signal indication when all of said lights are energized, a portion of said cover being darkened upon the failure of any of said lights.

2,003,274

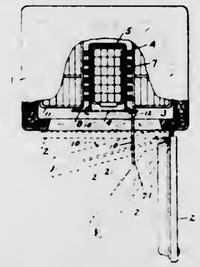
REFRIGERATION CABINET

Philip A. Celander, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application March 29, 1934, Serial No. 717,908

1 Claim. (Cl. 62—89)

A refrigerating cabinet for a mechanical refrigeration system, a refrigerated compartment therein normally closed by a hinged air-tight door, a cooling element of the system mounted in said compartment, a casing for removably containing a plurality of ice cube trays mounted within and supported by the cooling element, a plate mounted upon the tray containing casing having an opening therein for the insertion and removal of the trays therethrough, a closure for said opening, a spring-actuated hinge on the



side adjacent the door hinge between the closure and plate normally maintaining the opening closed, and means actuated by the opening of the closure sufficiently for the removal of a tray to hold the closure in that position against the tension of the spring and means on the free side of the closure adapted to be engaged by the inner surface of the compartment door in closing to automatically free the closure to cover the plate opening.

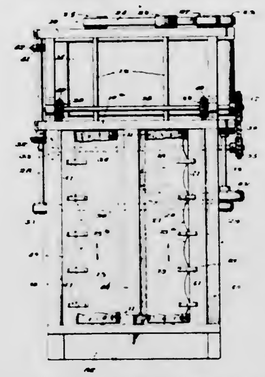
2,003,275

METHOD OF AND APPARATUS FOR TREATING FRUIT AND OTHER ARTICLES

Ernest M. Brogden, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Application September 2, 1931, Serial No. 560,816

11 Claims. (Cl. 146—193)



1. A machine for polishing fruit and the like comprising a substantially horizontal elongated rotary polishing element having a plurality of limp members along its length adapted to extend radially outward under the centrifugal force produced by the rotation of said element to form the polishing face of said element, a brushless fruit-supporting surface having a portion beneath and extending axially of said element and transversely curved on an arc concentric with said element and another portion upwardly and

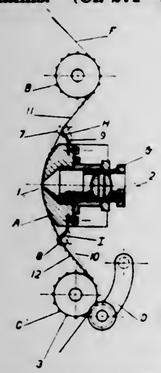
outwardly inclined on the upward-run side of said polishing element, one of said surface portions being fixed and the other movable in a direction feeding fruit axially of said polishing element and both of said surface portions cooperating to provide a fruit runway having an unobstructed space between the polishing face of said element and said surface of radial extent increasing upwardly of said runway whereby fruit impacted by said polishing element is free to move upwardly over said surface under the force of said impact and returns by gravity downwardly over said surface for further contact with said polishing element and polishing action thereby.

2,003,276

MEANS AND METHOD OF PRODUCING UNIFORM MOTION IN A SOUND FILM

Leonard Day, New York, N. Y., assignor to Polytechnic Development Corporation, a corporation of New York

Application May 3, 1930, Serial No. 449,656
Renewed April 13, 1934
10 Claims. (Cl. 271—2.3)



10. In a sound-on-film sound projector, a sprocket adapted to draw the film by the engagement of sprocket teeth and an unloaded substantially inertialess leaf spring fixed at one end and free at the other end for filtering the fluctuating tension upon said film.

2,003,277

ACTIVATED CARBON

Edgar T. Olson, Marquette, Mich., assignor to The Cleveland Cliffs Iron Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 2, 1933, Serial No. 683,380
10 Claims. (Cl. 252—3)

6. Activated hard wood charcoal having an electrical resistance of under 70 ohms to the cubic inch, an ash content in the unwashed state of under 7%, an iodine absorption of over 60%, a phenol absorption of under 30 parts per million (Bayliss), an apparent density of over .5, an iron content of under .1%, said charcoal being substantially free of arsenic and glycerine solubles.

10. Light, porous, cellular, substantially dust-free, granular activated hardwood charcoal having an iodine absorption value of over about 60%.

2,003,278

PREPARATION OF ACTIVATED CARBON

Edgar T. Olson, New York, N. Y., assignor to The Cleveland Cliffs Iron Company, Cleveland, Ohio, a corporation of Ohio

Application August 28, 1933, Serial No. 687,063
12 Claims. (Cl. 252—3)

1. The method of making activated wood charcoal which comprises carbonizing wood at temperatures below 1000° F. to form charcoal, granulating and grading the charcoal so that it will pass thru about 4 to 6 mesh screen, removing the dust from the charcoal granules, passing the charcoal granules between electrodes in a substantially air tight chamber, passing electric current thru the charcoal between the electrodes to resistance heat the charcoal, admitting steam near the discharge end of the chamber to pass thru the charcoal while the latter is being heated by the electric current and finally grinding the thus activated charcoal to the desired size, the initial size of the charcoal granules being so correlated with the size of the space between electrodes that changes in area between electrodes vary directly with the square of the volume of the charcoal granules, and the speed and duration of travel of the charcoal, the current employed and the amount of steam used being so correlated so as to result in the charcoal attaining while in the proper state for activation a temperature of between 3000° F. and 3300° for at least one hour.

DESIGNS

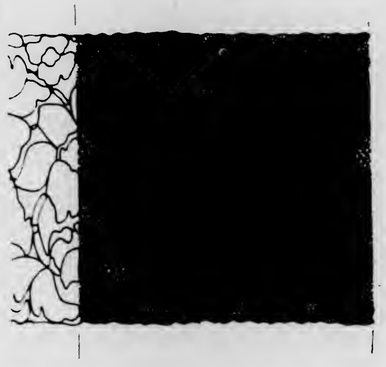
MAY 28, 1935

95,723

DESIGN FOR A LACE

William Roger Adaire, Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York

Application March 19, 1935, Serial No. 55,942
Term of patent 3½ years



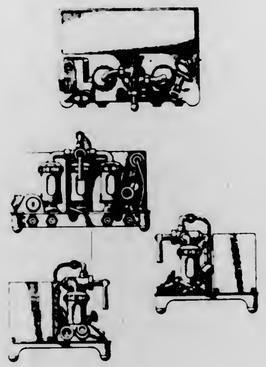
The ornamental design for a lace as shown and described.

95,724

DESIGN FOR A BEER COIL CLEANER

Harry W. Anderson, Chicago, Ill.

Application March 19, 1935, Serial No. 55,943
Term of patent 3½ years



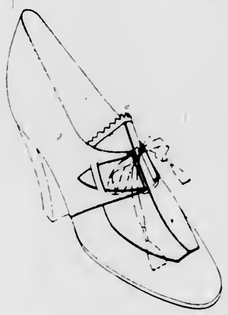
The ornamental design for a beer coil cleaner, as shown.

95,725

DESIGN FOR A SHOE

Jerome Edson Andrews, Andover, Mass.

Application April 6, 1935, Serial No. 56,248
Term of patent 3½ years



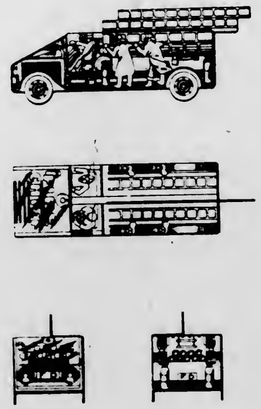
The ornamental design for a shoe substantially as shown and described.

95,726

DESIGN FOR A COLLAPSIBLE CARTON

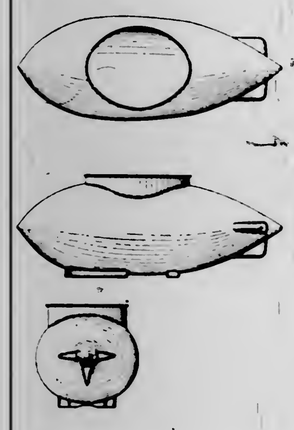
Stuart M. Andrews, Brooklyn, N. Y., assignor to P. L. Andrews Corporation, Glendale, L. L, N. Y., a corporation of New York

Application March 1, 1935, Serial No. 55,667
Term of patent 3½ years



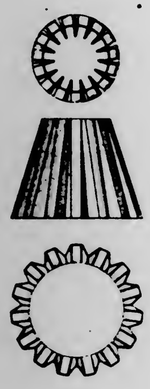
The ornamental design for a collapsible carton, as shown.

95,727
DESIGN FOR A FISH BOWL OR SIMILAR ARTICLE
Charles P. Askew, Marion, Ind., assignor to The Canton Glass Company, Marion, Ind., a corporation of Indiana
Application March 19, 1935, Serial No. 55,953
Term of patent 3½ years



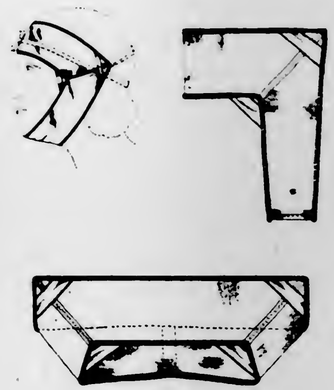
The ornamental design for a fish bowl or similar article, as shown.

95,728
DESIGN FOR A LAMP SHADE
Isaac Batkin, New York, N. Y.
Application July 20, 1934, Serial No. 52,641
Term of patent 3½ years



The ornamental design for a lamp shade, as shown and described.

95,729
DESIGN FOR A FACIAL SUPPORT
Florence Lund Brown, Chicago, Ill.
Application February 5, 1934, Serial No. 50,608
Term of patent 7 years



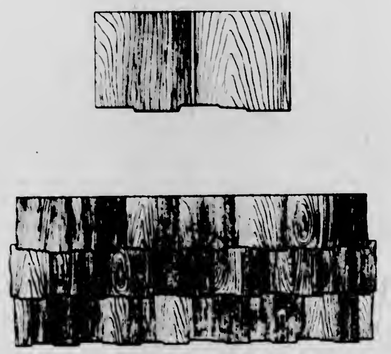
The ornamental design for a facial support, as shown.

95,730
DESIGN FOR A REFRIGERATOR CABINET OR SIMILAR ARTICLE
John C. Buchanan, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application August 19, 1933, Serial No. 49,068
Term of patent 14 years



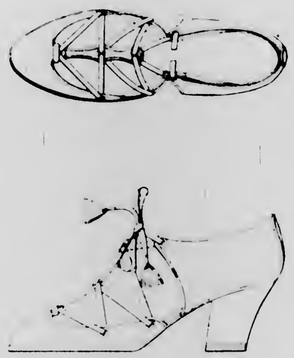
The ornamental design for a refrigerator cabinet or similar article, substantially as shown and described.

95,731
DESIGN FOR A SIDING
John J. Cahill, Chicago, and Elmer F. McClintock, Oak Park, Ill., assignors to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application March 26, 1935, Serial No. 56,062
Term of patent 7 years



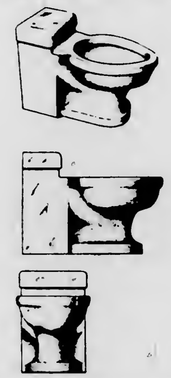
The ornamental design for a siding, substantially as shown.

95,732
DESIGN FOR A SHOE
Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application February 28, 1935, Serial No. 55,663
Term of patent 7 years



The ornamental design for a shoe, substantially as shown and described.

95,733
DESIGN FOR A TOILET
George C. Duncan, Jr., Los Angeles, Calif., assignor to Duncan No-Noise Valve & Bowl Co., Inc., Los Angeles, Calif., a corporation of California
Application March 16, 1934, Serial No. 51,082
Term of patent 14 years



The ornamental design for a toilet substantially as shown.

95,734
DESIGN FOR A SIGN
George D. Duntze, St. Louis, Mo., assignor to James T. Caradine, St. Louis, Mo.
Application March 11, 1935, Serial No. 55,819
Term of patent 7 years



The ornamental design for a sign, substantially as shown.

95,735
DESIGN FOR LACE
Bert Edson, Pawtucket, R. I.
Application April 24, 1935, Serial No. 56,533
Term of patent 3½ years



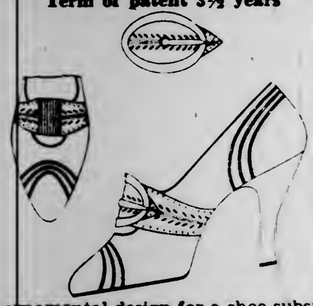
The ornamental design for lace, substantially as shown.

95,736
DESIGN FOR A SHOE
Jacob Fishman, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application August 20, 1934, Serial No. 52,997
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

95,737
DESIGN FOR A SHOE
Jacob Fishman, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application January 30, 1935, Serial No. 55,135
Term of patent 3½ years



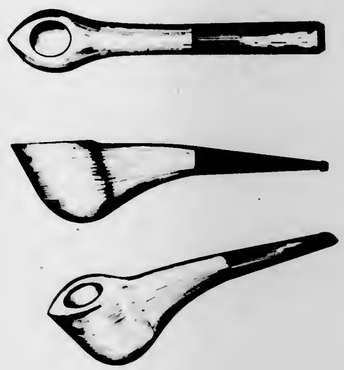
The ornamental design for a shoe substantially as shown and described.

95,738
DESIGN FOR A SHOE
Samuel Fradkin, Lewiston, Maine
Application March 21, 1935, Serial No. 55,990
Term of patent 3½ years



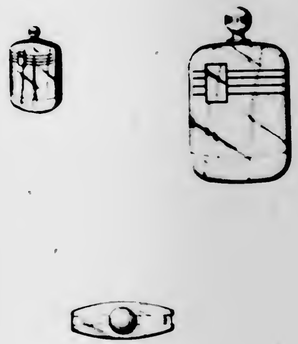
The ornamental design for a shoe, as shown.

95,739
DESIGN FOR A SMOKER'S PIPE
Lynn M. Francis, Birmingham, Mich.
Application January 2, 1935, Serial No. 54,662
Term of patent 7 years



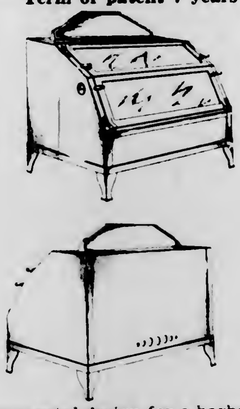
The ornamental design for a smoker's pipe, as shown, and described.

95,740
DESIGN FOR A POCKET LIGHTER
Jack Galter, Chicago, Ill.
Application September 17, 1934, Serial No. 53,307
Term of patent 3½ years



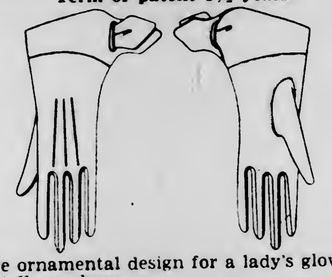
The ornamental design for a pocket lighter, substantially as shown.

95,741
DESIGN FOR A BARBECUE MACHINE CASING
Gus Garvis, Des Moines, Iowa
Application March 12, 1935, Serial No. 55,849
Term of patent 7 years



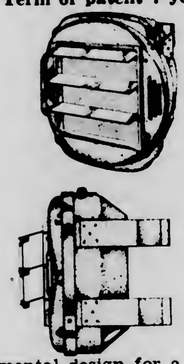
The ornamental design for a barbecue machine casing substantially as shown.

95,742
DESIGN FOR A LADY'S GLOVE
Oscar G. Goodhand, New York, N. Y.
Application April 5, 1935, Serial No. 56,227
Term of patent 3½ years



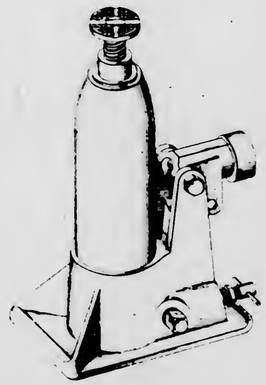
The ornamental design for a lady's glove, substantially as shown.

95,743
DESIGN FOR A HEATER
Harold F. Hadley, Toledo, Ohio
Application December 29, 1934, Serial No. 54,640
Term of patent 7 years



The ornamental design for a heater substantially as shown.

95,744
DESIGN FOR A JACK
Gothard G. Hein, Waukesha, Wis., assignor to Hein-Werner Motor Parts Corporation, Waukesha, Wis., a corporation of Wisconsin
Application August 16, 1934, Serial No. 52,963
Term of patent 7 years



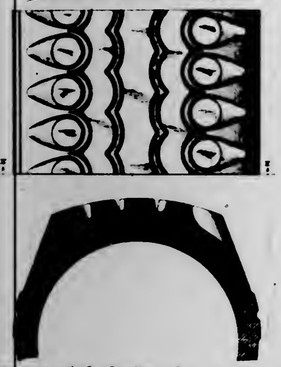
The ornamental design for a jack, as shown.

95,745
DESIGN FOR A CHAIR
Wolfgang Hoffmann, Chicago, Ill., assignor to The W. H. Howell Company, Geneva, Ill., a corporation of Illinois
Application February 5, 1935, Serial No. 55,250
Term of patent 7 years



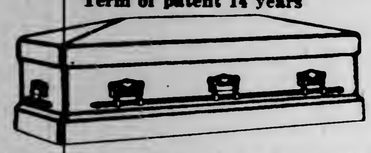
The ornamental design for a chair, as shown.

95,746
DESIGN FOR A TIRE OR SIMILAR ARTICLE
Ralph W. Hutchens, Eau Claire, Wis., assignor to Gillette Rubber Company, Eau Claire, Wis., a corporation of Wisconsin
Application March 7, 1935, Serial No. 55,761
Term of patent 14 years



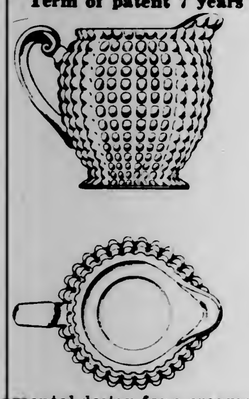
The ornamental design for a tire or similar article, as shown.

95,747
DESIGN FOR A BURIAL VAULT
Willard E. Jaquith, Syracuse, N. Y.
Application October 20, 1933, Serial No. 49,517
Term of patent 14 years



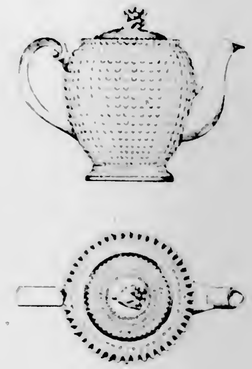
The ornamental design for a burial vault, as shown and described.

95,748
DESIGN FOR A CREAMER
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,146
Term of patent 7 years



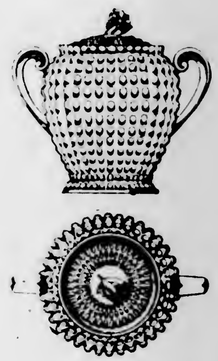
The ornamental design for a creamer, as shown.

95,749
DESIGN FOR A TEAPOT
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,147
Term of patent 7 years



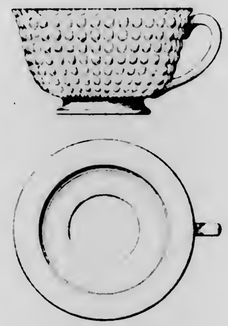
The ornamental design for a teapot, as shown.

95,750
DESIGN FOR A SUGAR BOWL
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,148
Term of patent 7 years



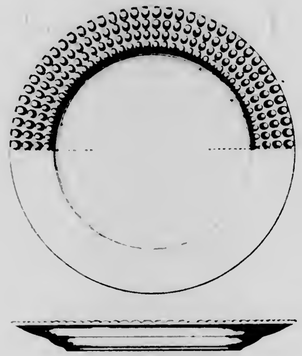
The ornamental design for a sugar bowl, as shown.

95,751
DESIGN FOR A CUP
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,149
Term of patent 7 years



The ornamental design for a cup, as shown.

95,752
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,150
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,753
DESIGN FOR A COFFEEPOT
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,151
Term of patent 7 years



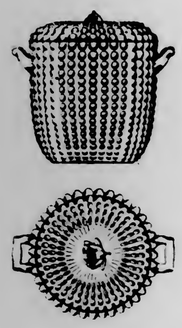
The ornamental design for a coffeepot, as shown.

95,754
DESIGN FOR A CREAMER
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,152
Term of patent 7 years



The ornamental design for a creamer, as shown.

95,755
DESIGN FOR A COOKY JAR
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,154
Term of patent 7 years



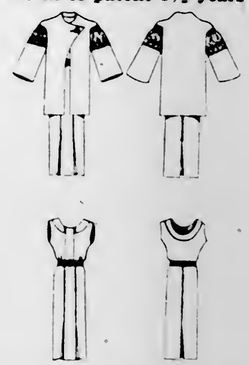
The ornamental design for a cooky jar, as shown.

95,756
DESIGN FOR A TEAPOT
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,155
Term of patent 7 years



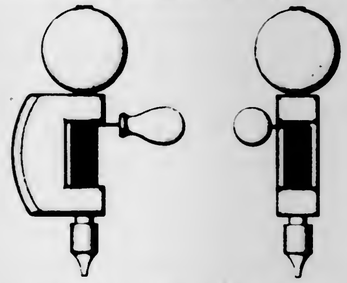
The ornamental design for a teapot, as shown.

95,757
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 11, 1935, Serial No. 56,337
Term of patent 3½ years



The ornamental design for an ensemble dress substantially as shown and described.

95,758
DESIGN FOR TOP SPINNING DEVICE
Edward Kleinofen, Evanston, Ill.
Application May 2, 1934, Serial No. 51,663
Term of patent 7 years



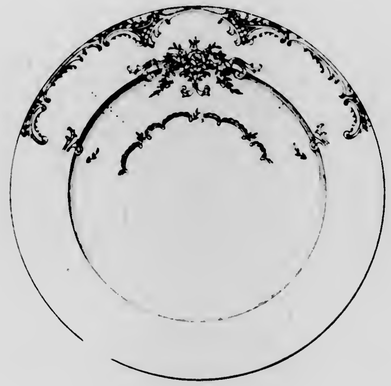
The ornamental design for a top spinning device, as shown.

95,759
DESIGN FOR A DRESS
Blanche Lahn, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y.
Application February 14, 1935, Serial No. 55,414
Term of patent 3½ years



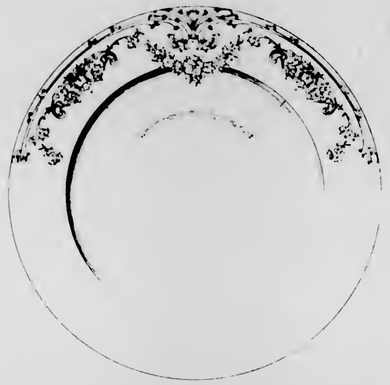
The ornamental design for a dress, substantially as shown.

95,760
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,144
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,761
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,145
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

95,762
DESIGN FOR A BEVERAGE DISPENSER
Oscar J. Leins, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 10, 1934, Serial No. 53,243
Term of patent 14 years



The ornamental design for a beverage dispenser as shown.

95,763
DESIGN FOR A VAGINAL SYRINGE NOZZLE
Rosemarie Lewis, Los Angeles, Calif.
Application December 24, 1934, Serial No. 54,563
Term of patent 7 years



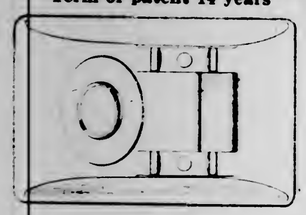
The ornamental design for a vaginal syringe nozzle as shown.

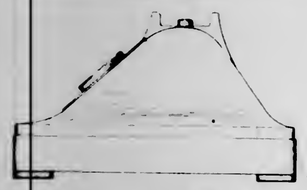
95,764
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jean L. Lien, New York, N. Y., assignor to A. W. Baylis Co., New York, N. Y.
Application April 17, 1935, Serial No. 56,441
Term of patent 3½ years

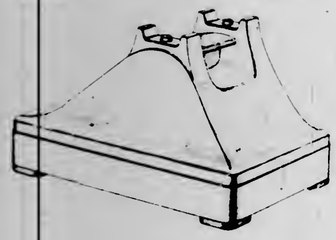


The ornamental design for a textile fabric or similar article as shown and described.

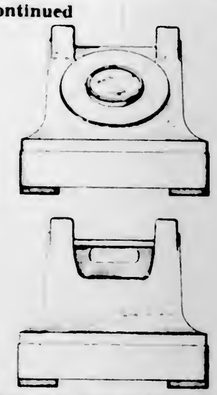
95,765
DESIGN FOR A DESK STAND FOR A HAND TELEPHONE
George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1935, Serial No. 56,070
Term of patent 14 years





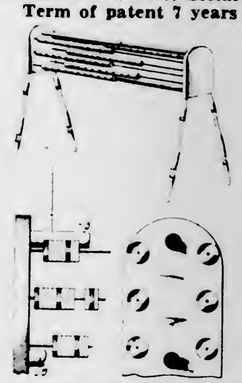


95,765—Continued



The ornamental design for a desk stand for a hand telephone as shown.

95,766
DESIGN FOR A GAME SCORING DEVICE
Walter L. Mann, Phillipston, Mass.
Application March 28, 1935, Serial No. 56,102
Term of patent 7 years



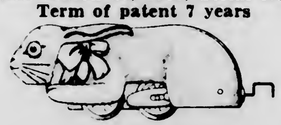
The ornamental design for a game scoring device as shown.

95,767
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
John C. Marks, New York, N. Y.
Application March 27, 1935, Serial No. 56,069
Term of patent 3½ years



The ornamental design for a sandal or similar article substantially as shown and described.

95,768
DESIGN FOR A TOY LOCOMOTIVE
Louis Marx, New York, N. Y.
Application March 29, 1935, Serial No. 56,116
Term of patent 7 years





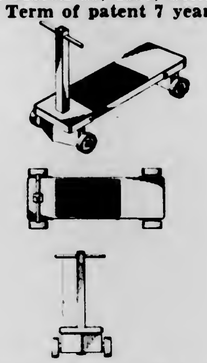
The ornamental design for a toy locomotive substantially as shown.

95,769
DESIGN FOR AN ERASER
Joseph Meilner, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application January 16, 1935, Serial No. 54,879
Term of patent 14 years



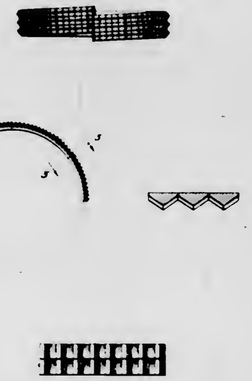
The ornamental design for an eraser, as shown.

95,770
DESIGN FOR A CHILD'S VEHICLE
George R. Mellon, Kansas City, Mo.
Application March 29, 1935, Serial No. 56,115
Term of patent 7 years



The ornamental design for a child's vehicle, as shown.

95,771
DESIGN FOR A BRACELET OR SIMILAR ARTICLE OF JEWELRY
John M. Miller and George F. Fenton, Providence, R. I., assignors to The Progressive Ring Company, Providence, R. I., a corporation of Rhode Island
Application February 25, 1935, Serial No. 55,613
Term of patent 7 years



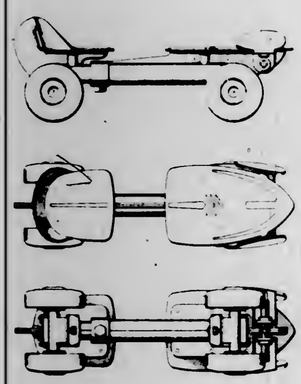
The ornamental design for a bracelet or similar article of jewelry, as shown and described.

95,772
DESIGN FOR A DECANTER TYPE BOTTLE
James V. Mondi, Chicago, Ill.
Application February 26, 1935, Serial No. 55,625
Term of patent 3½ years



The ornamental design for a decanter type bottle as shown.

95,773
DESIGN FOR A ROLLER SKATE
John Richard Morgan, Chicago, Ill., and John S. Caldwell, Milwaukee, Wis., assignors to Globe-Union Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 23, 1935, Serial No. 55,580
Term of patent 7 years



The ornamental design for a roller skate, as shown.

95,774
DESIGN FOR A MOTOR CASING
Edward R. Mross, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 21, 1935, Serial No. 55,982
Term of patent 7 years



The ornamental design for a motor casing as shown.

95,775
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application April 8, 1935, Serial No. 56,272
Term of patent 3½ years

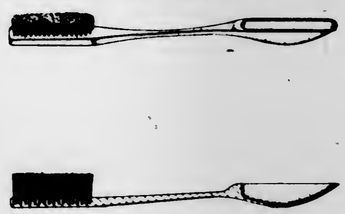


The ornamental design for a shoe, as shown.

95,776
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application April 8, 1935, Serial No. 56,273
Term of patent 3½ years

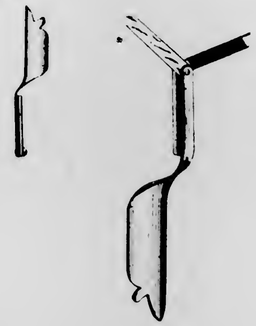
The ornamental design for a shoe, as shown.

95,777
DESIGN FOR A TOOTHBRUSH SPOON
Jessie Evelyn Peterkin and Frederick William Marlow, Toronto, Ontario, Canada
Application August 20, 1934, Serial No. 53,000
Term of patent 14 years



The ornamental design for a toothbrush spoon, as shown.

95,778
DESIGN FOR A COMBINED KNIFE, NAIL FILE, AND PENCIL CLIP
Per A. Peterson, New York, N. Y.
Application February 25, 1935, Serial No. 55,592
Term of patent 7 years



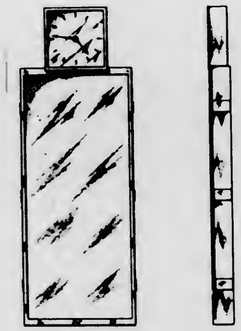
The ornamental design for a combined knife, nail file and pencil clip, as shown and described.

95,779
DESIGN FOR A SCORE SHEET
Richard Fitz Power, Hampstead, London, England
Application October 29, 1934, Serial No. 53,803
In Great Britain July 3, 1934
Term of patent 14 years



The ornamental design for a score sheet as shown.

95,780
DESIGN FOR A COMBINATION ADVERTISING DISPLAY CABINET AND CLOCK
Markus Pufeles, New York, N. Y.
Application March 26, 1935, Serial No. 56,051
Term of patent 7 years



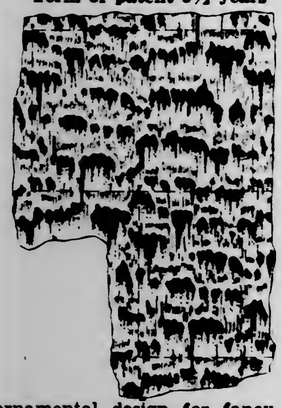
The ornamental design for a combination advertising display cabinet and clock, as shown.

95,781
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Albert Schumacher, Passaic, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application February 1, 1935, Serial No. 55,206
Term of patent 14 years



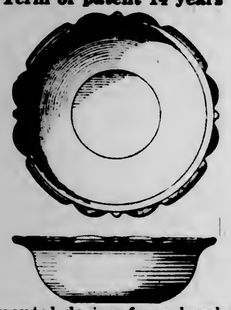
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

95,782
DESIGN FOR FANCY PAPER OR SIMILAR ARTICLE
Norman E. Scott, Atlantic, Mass., assignor to Deerfield Glassine Company, Inc., Monroe Bridge, Mass., a corporation
Application October 3, 1934, Serial No. 53,466
Term of patent 3½ years



The ornamental design for fancy paper or similar article as shown and described.

95,783
DESIGN FOR A BOWL
Maurice A. Smith, Jeannette, Pa.
Application March 12, 1935, Serial No. 55,851
Term of patent 14 years



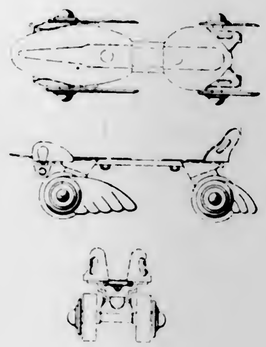
The ornamental design for a bowl as shown.

95,784
DESIGN FOR A COOKY
Frank Charles Werner, Grand Rapids, Mich.
Application March 18, 1935, Serial No. 55,920
Term of patent 3½ years



The ornamental design for a cooky as shown.

95,785
DESIGN FOR A ROLLER SKATE
Edward Earle Whitney, Worcester, Mass., assignor to Matthews Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application March 28, 1935, Serial No. 56,101
Term of patent 7 years



The ornamental design for a roller skate as shown and described.

95,786
DESIGN FOR A KNITTED DRESS
Morris Feldman, New York, N. Y.
Application April 19, 1935, Serial No. 56,462
Term of patent 3½ years



The ornamental design for a knitted dress, substantially as shown.

OFFICIAL GAZETTE

OF THE

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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (*); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (*)]

362851

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Backing Corporation, Brooklyn, N. Y. Impregnated fabric reinforcing material. Serial No. 363,615; June 4. Class 50.

Acme White Lead & Color Works, Detroit, Mich. Material for the treatment of grain. Serial No. 362,340; June 4. Class 6.

Akita, C. M., Brawley, Calif. Melons and fresh vegetables. Serial No. 364,122; June 4. Class 46.

Alden, Betty, Chocolate Co. (See Gold Brand Confectionery, Inc.)

Aluminum Cooking Utensil Company, The, New Kensington, Pa. Base metal cooking hollow ware. Serial No. 360,518; June 4. Class 13.

American Chemical Paint Company, Ambler, Pa. Adhesive paste. Serial No. 357,884; June 4. Class 5.

American Chemical Paint Company, Ambler, Pa. Substances for tempering and soldering and rust and oil removers, etc. Serial No. 357,885; June 4. Class 6.

American Type Founders Sales Corporation, Jersey City, N. J. Printing inks. Serial No. 360,872; June 4. Class 11.

Andrews, William H., Washington, D. C. Cleansing creams, cold creams, hand creams, face powders, etc. Serial No. 361,665; June 4. Class 6.

Armand Company, The, Des Moines, Iowa. Face cream. Serial No. 362,399; June 4. Class 6.

Asturr Trading Company, Inc., New York, N. Y. Wine and alcoholic cider. Serial No. 362,862; June 4. Class 47.

Bally Manufacturing Company, Chicago, Ill. Amusement device. Serial No. 363,618; June 4. Class 22.

Barnsdall Oil Company, Tulsa, Okla. Special naphthas. Serial No. 363,261; June 4. Class 4.

Berger Hosiery Company, Incorporated, Philadelphia, Pa. Ladies' and children's panties, slips, chemises, etc. Serial No. 363,381; June 4. Class 39.

Bohm, Abram S., doing business as Cincinnati Scientific Company, Cincinnati, Ohio. Passive exercisers. Serial No. 362,907; June 4. Class 44.

Böhme, H. Th., Aktiengesellschaft, Chemnitz, Germany. Moistening preparation, thread and fibre protecting preparations, etc. Serial No. 363,391; June 4. Class 6.

Borden Sales Company, Inc., The, New York, N. Y. Dressed turkeys. Serial No. 359,569; June 4. Class 46.

Broadway Creamery, The, Denver, Colo. Ice cream and ice cream mix. Serial Nos. 362,735–6; June 4. Class 46.

Brown, Frank W., Jr., doing business as Brown Candy Company, Richmond, Va. Candy. Serial No. 362,556; June 4. Class 46.

Campbell Specialty Co. (See Warner, Robert K.)

Carnahan, Harry H., doing business as Medical Arts Supply Company, Huntington, W. Va. Tablets, ointments, compounds, etc. Serial No. 357,620; June 4. Class 6.

Carswell, Firman L., Manufacturing Company, The, Kansas City, Kans. Metal culverts. Serial No. 362,909; June 4. Class 13.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 362,993; June 4. Class 43.

Centa Trading Corporation, New York, N. Y. Clocks, clock frames and clock housings. Serial No. 363,967; June 4. Class 27.

Chapeaux Tardy Inc., New York, N. Y. Women's coats and men's hats. Serial No. 360,879; June 4. Class 39.

Cherry-Burrell Corporation, Wilmington, Del.; Chicago, Ill.; and Little Falls, N. Y. Liquid pasteurizers. Serial No. 363,195; June 4. Class 23.

Chic Lingerie Company. (See Goldman, Henry.)

Chill Foam Corporation of America, Detroit, Mich. Beer clarifier and foam retainer. Serial No. 360,700; June 4. Class 48.

Cincinnati Scientific Company. (See Bohm, Abram S.)

Clark Thread Company, The, Newark, N. J. Thread and yarn. Serial No. 363,583; June 4. Class 43.

Cliffside Brewing Company, The, Cincinnati, Ohio. Beer. Serial No. 364,227; June 4. Class 48.

Cohen, Isaac, & Sons Clothes Co. Inc., New York, N. Y. Men's clothing. Serial No. 362,350; June 4. Class 39.

Columbia Brewing Company, St. Louis, Mo. Beer. Serial No. 364,276; June 4. Class 48.

Compañía Cubana de Licores, S. A., Manzanillo, Cuba. Rum. Serial No. 349,559; June 4. Class 49.

Continental Optical Company, Indianapolis, Ind. Ophthalmic lenses. Serial No. 359,458; June 4. Class 26.

Crown Fabrics Corporation, New York, N. Y. Cotton, silk, and rayon fabrics in the piece. Serial No. 363,100; June 4. Class 42.

Cutler, Roger W., Boston, Mass. Rolls, aprons, feel tables, etc., for textile machinery. Serial No. 363,361; June 4. Class 23.

D'Amour Foundations, Inc., New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 363,491; June 4. Class 39.

Daniels Manufacturing Company, Rhinelander, Wis. Printed candy wrappers, meat wrappers, decorative wrappings, etc. Serial No. 358,011; June 4. Class 37.

Dayton Spice Mills Company, The, Dayton, Ohio. Coffee. Serial No. 364,092; June 4. Class 46.

Deane Plaster Company, The, Yonkers, N. Y. Surgical dressings, absorbent cottons and gauzes, bandages, etc. Serial No. 363,208; June 4. Class 44.

De Hoyos y Vinent, Jose M., doing business as Sanchez Romate Hnos., Jerez de la Frontera, Spain. Wine. Serial No. 357,720; June 4. Class 47.

De Long Hook and Eye Company, The, Philadelphia, Pa. Sanitary napkins. Serial No. 363,039; June 4. Class 44.

Dermalab, Inc., Winnetka, Ill. Preparation for scalp treatment. Serial No. 362,809; June 4. Class 6.

Dick, A. B., Company, Chicago, Ill. Stencils and stencil paper. Serial No. 363,969; June 4. Class 37.

Doniger, David D., & Co., New York, N. Y. Sportswear. Serial No. 362,873; June 4. Class 39.

Duart Manufacturing Company, Ltd., San Francisco, Calif. Permanent hair waving machine. Serial No. 363,707; June 4. Class 44.

Dyke, Herbert G., doing business as The Guardsman Company, New York, N. Y. Ash trays. Serial No. 363,429; June 4. Class 8.

Eclectic Furniture, the New Period in Furniture, Newark, N. J. Household furniture. Serial No. 361,350; June 4. Class 32.

Edster Process Corporation, New York, N. Y. Tablets containing vitamins. Serial No. 363,802; June 4. Class 6.

Ellenkay Products Co. (See Kuderna, Louise.)

Fahlbusch, John, Bayonne, N. J. Hair and scalp preparation. Serial No. 363,162; June 4. Class 6.

Fairchild Aerial Camera Corporation, Woodside, Long Island, N. Y. Drafting machines. Serial No. 364,005; June 4. Class 26.

Fairchild, William, Albany, N. Y. Ball and track hand-manipulated amusement device. Serial No. 363,163; June 4. Class 22.

Firth Sterling Steel Company, McKeesport, Pa. Unfinished or semi-finished, ferrous castings and forgings. Serial No. 358,662; June 4. Class 14.

Fischer, J. P., Inc., New York, N. Y. Electrical hair dryers. Serial No. 363,025; June 4. Class 44.

Fitzgerald, Charlotte, Chicago, Ill. Cosmetics. Serial No. 357,981; June 4. Class 6.

Fixler Bros., Inc., Chicago, Ill. Stamped pieces for embroidery and burlap hook rug patterns. Serial No. 360,586; June 4. Class 40.

Folsom, Harry M., Jr., doing business as Melta Sales Agency, San Diego, Calif. Artificial teeth cleaner. Serial No. 363,213; June 4. Class 4.

4 in-1 Chemical Company, Baltimore, Md. Paint-varnish color and gloss restorer. Serial No. 363,536; June 4. Class 16.

Franklin Rayon Corporation, Providence, R. I. Dyed thread and yarn. Serial No. 362,817; June 4. Class 43.

Fresl, James S., Newark, N. J. Mucilage wells. Serial No. 363,587; June 4. Class 37.

Freedman, Helen M., New York, N. Y. Ladies' garments. Serial No. 362,110; June 4. Class 39.

Freezer, L. & Son, Inc., New York, N. Y. Men's shirts. Serial No. 363,279; June 4. Class 39.

Galax Knitting Company, Incorporated, Galax, Va. Boys' hosiery. Serial No. 363,655; June 4. Class 39.

Galax Knitting Company, Incorporated, Galax, Va. Men's hosiery. Serial No. 363,656; June 4. Class 39.

Geldmeier, Fred, Los Angeles, Calif. Pickling solution for meats only. Serial No. 362,417; June 4. Class 6.

Genco, Inc., Chicago, Ill. Amusement apparatus. Serial No. 364,180; June 4. Class 22.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electrical device for testing lubricating oils. Serial No. 363,971; June 4. Class 26.

Goldberger, Eugene, Brooklyn, N. Y. Dolls. Serial No. 364,173; June 4. Class 22.

Gold Brand Confectionery, Inc., doing business as Betty Alden Chocolate Co., Boston, Mass. Candy. Serial No. 361,883; June 4. Class 46.

Goldman, Henry, doing business as Chic Lingerie Company, Los Angeles, Calif. Slips. Serial No. 362,780; June 4. Class 39.

Grant, George, doing business as J. & G. Grant, Speyside, Scotland. Whisky. Serial No. 359,128; June 4. Class 49.

Guardsman Company, The. (See Dyke, Herbert G.)

Haennig, Joseph, Dubuque, Iowa. Preparation for treating lumps, callouses and other foreign growths on animals, etc. Serial No. 350,952; June 4. Class 6.

Hamburger Company, The, Chicago, Ill. Gin. Serial No. 359,913; June 4. Class 49.

Harrington, Eugene W., Buffalo, N. Y. Pharmaceutical preparations. Serial No. 361,141; June 4. Class 6.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits, canned fruit juices. Serial Nos. 362,308–9; June 4. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Heerwagen, Paul M., doing business as Heerwagen Acoustic Decoration Company, Fayetteville, Ark. Acoustic sound-proof wall structures, panels, wall, and ceiling board, etc. Serial No. 361,062; June 4. Class 12.

Hodgkinson, Jr., William J., Brooklyn, N. Y. Insecticide preparation. Serial No. 363,217; June 4. Class 6.

Hollander, A., & Son, Inc., Newark, N. J. Fur skins. Serial No. 363,479; June 4. Class 1.

Hyde Manufacturing Company, Southbridge, Mass. Straight and circular knife blades. Serial No. 363,973; June 4. Class 21.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic polymerization products. Serial No. 360,846; June 4. Class 6.

International Motor Company, New York, N. Y. Refrigerating trucks. Serial No. 363,659; June 4. Class 19.

Jackman, Herbert E., Rochester, N. Y. Parlor foot-ball game. Serial No. 363,962; June 4. Class 22.

Julco Products Co., The. (See Kennedy, Charles J.)

Kaufmann, Henry L., doing business as Henry L. Kaufmann & Co., Boston, Mass. Hospital supplies. Serial No. 363,661; June 4. Class 44.

Kayser, Julius, & Co., New York, N. Y. Gloves. Serial No. 363,629; June 4. Class 39.

Keasbey & Mattison Company, Ambler, Pa. Asbestos product. Serial No. 363,353; June 4. Class 12.

Keith, James, Ltd., Hamilton, England. Scotch whisky. Serial No. 357,671; June 4. Class 49.

Kennedy, Charles J., doing business as The Julco Products Co., White Plains, N. Y. Liniment. Serial No. 363,431; June 4. Class 6.

Kerr's Butter Scotch, Inc., Brooklyn, N. Y. Candy. Serial No. 360,825; June 4. Class 46.

King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 363,975; June 4. Class 38.

Koch Butchers' Supply Co., The, North Kansas City, Mo. Refrigerated display cases, cooling safes, and refrigerators. Serial No. 363,662; June 4. Class 31.

Kuderna, Louis, doing business as Ellenkay Products Co., Chicago, Ill. Maltless powders and syrups for making soft drinks. Serial No. 363,395; June 4. Class 45.

LaDormante Garment Company, St. Louis, Mo. Burial negligee garments for women. Serial No. 360,192; June 4. Class 39.

Lavick, S. B., Co., Chicago, Ill. Military brush sets, clothes brushes, whisk brooms, etc. Serial No. 363,928; June 4. Class 29.

Leavell, C. H., Washington, D. C. Minced Smithfield ham. Serial No. 364,185; June 4. Class 46.

Lesiak, C. A., doing business as St. Alban Herbs Company, Scranton, Pa. General tonic. Serial No. 363,331; June 4. Class 6.

Liberty Oil Company, Des Moines, Iowa. Animal feed. Serial No. 362,858; June 4. Class 46.

Liebert & Obert, Philadelphia, Pa. Beer, porter, and ale. Serial No. 362,585; June 4. Class 48.

Lopez, Miguel, S. en C., Caibarien City, Cuba. Rum. Serial No. 349,473; June 4. Class 49.

Lundin, Hilding P., doing business as Lundin Brothers, Watford City, N. Dak. Medicated ointment. Serial No. 361,384; June 4. Class 6.

Martocello, Joseph A., doing business as Jos. A. Martocello, & Co., Philadelphia, Pa. Chippers for chipping ice. Serial No. 363,936; June 4. Class 23.

Maxwell Rubber Products Corp., Newark, N. J. Toy rubber imitation bones, rubber balls, and rubber rings for dogs. Serial No. 363,736; June 4. Class 22.

Mechanical Art Works, Newark, N. J. Carpet sweepers. Serial No. 363,980; June 4. Class 23.

Medical Arts Supply Company. (See Carnahan, Harry H.)

Melta Sales Agency. (See Folsom, Harry M., Jr.)

Mendelsohn, Benjamin J., New York, N. Y. Cameras, parts thereof, and sensitised photographic papers, etc. Serial No. 362,480; June 4. Class 26.

Michaels, J., Inc., Brooklyn, N. Y. Refrigerators. Serial No. 363,632; June 4. Class 31.

Mid-West Tobacco Co., The, Cincinnati, Ohio. Chewing tobacco and smoking tobacco. Serial Nos. 363,510–11; June 4. Class 17.

Miller-Joster Company, Columbus, Ohio. Hosiery. Serial No. 363,116; June 4. Class 39.

Mineral Wells Crystal Producers, Mineral Wells, Tex. Concentrated mineral water and crystals. Serial No. 353,762; June 4. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Insecticides, germicides, bactericides, etc. Serial No. 363,882; June 4. Class 6.

Morris Music Company, Philadelphia, Pa. Folios of copyrighted musical compositions. Serial No. 362,432; June 4. Class 38.

Moss, Samuel H., Inc., New York, N. Y. Rubber stamps. Serial No. 362,548; June 4. Class 37.

Mount Tivy Winery, Inc., Fresno, Calif. Wines. Serial No. 363,512; June 4. Class 47.

Musical Research Products, Inc., Philadelphia, Pa., and Wilmington, Del. Organs, loud speaker, etc. Serial No. 362,316; June 4. Class 36.

Narrow Fabric Company, The, Reading, Pa. Elastic braids. Serial Nos. 363,334–5; June 4. Class 40.

Neosign Corporation, New York, N. Y. Paint for coating signs. Serial No. 363,597; June 4. Class 16.

Neumann, E., & Company, Hoboken, N. J. Leather. Serial No. 363,982; June 4. Class 1.

New England Panama Hat Co. Inc., New York, N. Y. Straw and felt hats. Serial No. 362,587; June 4. Class 39.

New Era Shirt Company, St. Louis, Mo. Shirts. Serial No. 363,634; June 4. Class 39.

New Jersey Zinc Company, The, Newark, N. J. Pigments composed in whole or part of zinc sulphide. Serial No. 362,375; June 4. Class 6.

New York Knitting Mills, Inc., New York, N. Y. Yarn. Serial No. 363,888; June 4. Class 43.

O. S. I. Orthopedic Laboratory Inc., New York, N. Y. Metatarsal supports. Serial No. 363,403; June 4. Class 44.

Old Jordan—Old '76 Distillery Co., Covington, Ky. Whisky, gin, rock and rye, etc. Serial No. 362,235; June 4. Class 49.

Opler, E. & A., Inc., Chicago, Ill. Cocoa and chocolate. Serial No. 359,726; June 4. Class 46.

Paramount Distilling Corp., Chicago, Ill. Whiskey and gin. Serial No. 358,494; June 4. Class 49.

Peril Straits Packing Co., Seattle, Wash. Canned salmon. Serial No. 364,070; June 4. Class 46.

Perry Knitting Company, The, Perry, N. Y. Sweatshirts. Serial No. 362,435; June 4. Class 39.

Phillips Milling Company, San Francisco, Calif. Rice and wheat flour. Serial No. 358,150; June 4. Class 46.

Prospect Island Farming Company, San Francisco, Calif. Fresh vegetables. Serial No. 348,892; June 4. Class 46.

Pure Milk Dairy Products, Inc., Elgin, Ill. Cheese. Serial No. 361,772; June 4. Class 46.

Pure Milk Dairy Products, Inc., Elgin, Ill. Cheese. Serial No. 361,774; June 4. Class 46.

Puritan Cosmetics, Inc., St. Louis, Mo. Bay rum, face lotion, antiseptic lotion, etc. Serial No. 364,020; June 4. Class 6.

Rathjen, Harry F., doing business as Rathjen Mercantile Co., San Francisco, Calif. Whiskey. Serial No. 362,823; June 4. Class 49.

Reale Laboratorio E Farmacia Zarri. (See Vanzini, Pietro.)

Reid, R. E., Seattle, Wash. Natural mineral waters. Serial No. 359,594; June 4. Class 45.

Remedy Company, Inc., The, Cincinnati, Ohio. Preparation for the treatment of burns. Serial No. 363,892; June 4. Class 6.

Richardson Farms, Hicksville, Ohio. Cantaloupes. Serial No. 357,393; June 4. Class 46.

Rittenhouse, Walter, doing business as Veg-O-Phyll Co., San Diego, Calif. Flavoring extract. Serial No. 362,710; June 4. Class 46.

Rittenhouse, Walter, doing business as Veg-O-Phyll Co., San Diego, Calif. Vegetable concentrate flour. Serial No. 362,711; June 4. Class 46.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement apparatus. Serial No. 364,100; June 4. Class 22.

Ross Packing Co., Inc., Selah, Wash. Dried fruits. Serial No. 363,066; June 4. Class 46.

Roth, Theodore W., New York, N. Y. Lotion for ivy and other plant poison. Serial No. 363,295; June 4. Class 6.

Safety Fumigant Company, Boston, Mass. Insect and bug powder and spray, solvent for grease, etc. Serial No. 363,406; June 4. Class 6.

St. Alban Herbs Company. (See Lesiak, C. A.)

Sanchez Romate Hnos. (See de Hoyos y Vinent, Jose M.)

Sani-Setting Compound Corporation, New York, N. Y. Caulking compound. Serial No. 349,657; June 4. Class 12.

Schachet, Jacob C., Denver, Colo. Leather. Serial No. 357,394; June 4. Class 1.

Schenck, Dorothy G., doing business as Top Notch Wick Company, New York, N. Y. Oil stove wicks. Serial No. 362,190; June 4. Class 34.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. Serial No. 362,534; June 4. Class 39.

Sciafani, Gus, Stamford, Conn. Wines. Serial No. 363,017; June 4. Class 47.

Seydel Chemical Company, Jersey City, N. J. Medicinal product. Serial No. 363,954; June 4. Class 6.

Silent Salesman Company, Incorporated, Indianapolis, Ind. Guessing game of slogans. Serial No. 363,901; June 4. Class 22.

Simon, J. & Sons, Inc., St. Louis, Mo. Whiskey. Serial No. 359,323; June 4. Class 49.

Simpson & Godlee, Limited, Manchester, England. Cotton piece goods and piece goods composed of artificial silk. Serial No. 362,930; June 4. Class 42.

Small, Fred W., New York, N. Y. Women's silk undergarments. Serial No. 361,848; June 4. Class 39.

Smith, Kenneth, Kansas City, Mo. Golf clubs. Serial No. 347,708; June 4. Class 22.

Societe Anonyme des Etablissements Vermorel, Villefranche, France. Machines and apparatus used in the cultivation and treatment of vineyards, etc. Serial No. 359,151; June 4. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cutting oils. Serial No. 363,018; June 4. Class 15.

Sonotone Corporation, New York, N. Y. Hearing aid devices and acoustic elements and accessories. Serial No. 358,158; June 4. Class 44.

Soussa, Edmond, Paris, France. Hair dye remover, hair coloring rinse, etc. Serial No. 363,409; June 4. Class 6.

Sozzi, Ercole L., Scarsdale, N. Y. Sherry wine and egg yolk. Serial No. 363,673; June 4. Class 47.

Stamm, Benjamin L., New York, N. Y. Oil burners and parts therefor. Serial No. 363,685; June 4. Class 34.

Stanard-Tilton Milling Co., Alton, Ill. Flour. Serial No. 362,538; June 4. Class 46.

Standard Merchandise Co., Chicago, Ill. Piston rings. Serial No. 343,934; June 4. Class 35.

Sterilek Company Inc., The, Brooklyn, N. Y. Sanitary napkins. Serial No. 364,217; June 4. Class 44.

Stettheimer-Hausman Co., San Francisco, Calif. Shorts. Serial No. 363,300; June 4. Class 39.

Stoll, Horatio F., San Francisco, Calif. Periodical. Serial No. 363,528; June 4. Class 38.

Sutcliffe, W. J., Co., East Rutherford, N. J. Paints and varnishes. Serial No. 363,833; June 4. Class 16.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Non-fibrous flexible material in the form of narrow bands or shreds, in the nature of grass. Serial No. 361,998; June 4. Class 50.

Tamara Ltd., London, England, and Cairo, Egypt. Cold cream, vanishing cream, perfumeries, etc. Serial No. 361,374; June 4. Class 6.

Three G Distillery Corp., Burbank, Calif. Whiskey. Serial No. 353,957; June 4. Class 49.

Tobacco-Belt Blue Mold Company, Nashville, Ga. Insecticide and spray. Serial No. 363,411; June 4. Class 6.

Top Notch Wick Company. (See Schenck, Dorothy G.)

Tourneur Beauty Products Company, Inc., New York, N. Y. Protective liquid applied to the skin. Serial No. 362,602; June 4. Class 6.

Tourneur Beauty Products Company, Inc., New York, N. Y. Liquid skin coloring. Serial No. 362,603; June 4. Class 6.

Trinidad Import & Export Co. Ltd., Port of Spain, Trinidad, British West Indies. Rum. Serial No. 345,139; June 4. Class 49.

Troppe Brothers, New York, N. Y. Fur skins. Serial No. 363,348; June 4. Class 1.

Tubaspray Company, Cincinnati, Ohio. Rubber waterholders. Serial No. 363,849; June 4. Class 2.

Union Coal Co., Inc., Rochester, N. Y. Coke. Serial No. 363,244; June 4. Class 1.

Union Distilleries Company, Detroit, Mich. Whisky, brandy, gin, etc. Serial No. 359,601; June 4. Class 49.

U. S. Line Co. (See United States Whip Co.)

United States Whip Co., doing business as U. S. Line Co., Westfield, Mass. Fishing line. Serial Nos. 364,257–9; June 4. Class 22.

United States Whip Co., doing business as U. S. Line Co., Westfield, Mass., Fishing line. Serial Nos. 364,261–2; June 4. Class 22.

Vanzini, Pietro, doing business as Reale Laboratorio E Farmacia Zarri, Bologna, Italy. Medicinal product. Serial No. 344,550; June 4. Class 6.

Vanzini, Pietro, doing business as Reale Laboratorio E Farmacia Zarri, Bologna, Italy. Medicinal product. Serial No. 344,553; June 4. Class 6.

Veg-O-Phyll Co. (See Rittenhouse, Walter.)

Walker, Hiram & Sons, Inc., Peoria, Ill. Whiskey. Serial No. 361,859; June 4. Class 49.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial No. 361,861; June 4. Class 49.

Walther, J. L., Fabrics, Inc., New York, N. Y. Woolen piece goods. Serial No. 363,024; June 4. Class 42.

Warner, Robert K., doing business as the Campbell Specialty Co., West Haven, Conn. Holders, boards or trays used in duplicate contract whist and other like card games. Serial No. 341,005; June 4. Class 22.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Gin, whiskey, rum, etc. Serial No. 361,651; June 4. Class 49.

Wetstone Tobacco Company, doing business as Wetstone Company, East Hartford, Conn. Potatoes. Serial No. 360,919; June 4. Class 46.

Whitehead & Hoag Co., The, Newark, N. J. Tops for bottles, jars, etc. Serial No. 363,607; June 4. Class 50.

Willett, Walter M., San Francisco, Calif. Liquid and powder insecticides. Serial No. 363,355; June 4. Class 6.

Witzman-Moriarty Company, Inc., Philadelphia, Pa., and New York, N. Y. Leather. Serial No. 360,018; June 4. Class 1.

Wolfe & Lang, Inc., New York, N. Y. Girdles, corsets, and brassières. Serial No. 363,569; June 4. Class 39.

Wortendyke Manufacturing Co., Richmond, Va. Gummed tape. Serial No. 363,570; June 4. Class 37.

Wortendyke Manufacturing Company, Richmond, Va. Gummed papers and gummed cloth. Serial No. 364,035; June 4. Class 37.

Yukon Mill and Grain Company, Yukon, Okla. Wheat flour and self-rising flour. Serial No. 357,034; June 4. Class 46.

Yukon Mill and Grain Company, Yukon, Okla. Wheat flour. Serial No. 357,036; June 4. Class 46.

Zonde Cosmetic Co., Inc., New York, N. Y. Rouges. Serial No. 363,445; June 4. Class 6.

Zenith Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 353,505; June 4. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Adeleene Brassiere Co., Los Angeles, Calif. Brassières, girdles, and foundations. 324,871; June 4; Serial No. 359,452; published Mar. 26, 1935. Class 39.

Agra Company, by change of name to Nyal Service Drug Stores Corporation, Detroit, Mich. Perfumes. 106,084; renewed Oct. 12, 1935.

Allen, S. L., & Co., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Sleds. 104,116; renewed May 4, 1935.

Altco Products Co. (See Alter & Co., Inc.)

Alter & Co., Inc., doing business as Altco Products Co., New York, N. Y. Boric acid, bicarbonate of soda, Epsom salt, etc. 324,849; June 4; Serial No. 359,495; published Mar. 26, 1935. Class 6.

Aluminum Goods Mfg. Co., Manitowoc, Wis. Cooking utensils. 106,279; renewed Oct. 19, 1935.

American Tobacco Company, The. (See Wisconsin Cigar Co.)

Andersen-Smith Milling Co., San Francisco, Calif. Veterinary products. 324,862; June 4; Serial No. 360,126; published Mar. 26, 1935. Class 6.

Anglo-American Pharmaceutical Company, Croydon, England, and New York, N. Y., assignor, by mesne assignments, to Etna Chemical Company, Inc., New York, N. Y. Tonic medicine. 104,084; renewed Apr. 27, 1935.

Anna Lee Laboratories. (See Openshaw, Elna D.)

Artistic Brass & Bronzze Works, Inc., New York, N. Y. Electric floor and table lamps. 324,884; June 4; Serial No. 358,913; published Mar. 26, 1935. Class 21.

Asbury Graphite Mills, The. (See Riddle, Harry M., assignor.)

Asturr Trading Company, Inc., New York, N. Y. Rum, brandy, whiskey, etc. 325,023; June 4. Class 49.

Automatic Paper Machinery Company, Inc., Hoboken, N. J. Waxed paper. 324,802; June 4; Serial No. 355,008; published Mar. 26, 1935. Class 37.

Autoyre Company, The, Watertown, Conn. Snap fasteners. 324,840; June 4; Serial No. 359,689; published Mar. 26, 1935. Class 40.

Badger Tissue Mills, Kaukauna, Wis. Tissue paper, and especially toilet paper. 324,848; June 4; Serial No. 359,498; published Mar. 26, 1935. Class 37.

Baltimore Liquors, Inc., Baltimore, Md. Whiskey and gin. 325,002; June 4. Class 49.

Bancroft-Walker Company, Waltham, Mass. Women's leather shoes. 324,865; June 4; Serial No. 360,022; published Mar. 26, 1935. Class 39.

Barland Weatherstrip Material Company. (See Barringer, Elmer D.)

Barr, Fred E., Chicago, Ill. Flavoring extracts. 103,845; renewed Apr. 20, 1935.

Barringer, Elmer D., doing business as Barland Weatherstrip Material Company, Cleveland, Ohio. Weatherstrips. 324,954–5; June 4; Serial Nos. 359,981–2; published Mar. 26, 1935. Class 12.

Beacon-Gale Corporation, New York, N. Y. Crackers. 324,975; June 4; Serial No. 360,837; published Mar. 26, 1935. Class 46.

Becker's Bakery. (See Woodworth, Thomas W.)

Beshure, Kay, Chicago, Ill. Antacid and digestant preparation. 324,869; June 4; Serial No. 360,616; published Mar. 26, 1935. Class 6.

Best & Co. Inc., New York, N. Y. Dresses, coats, sweaters, etc. 324,851; June 4; Serial No. 360,395; published Mar. 26, 1935. Class 39.

Best Products Company, Washington, D. C. Cakes. 324,902; June 4; Serial No. 361,353; published Mar. 26, 1935. Class 46.

Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Woven textile rugs and carpets. 325,013; June 4. Class 42.

Black, Bert E., Cincinnati, Ohio. Cleaner for elastic and textile fabrics. 324,903; June 4; Serial No. 361,310; published Mar. 26, 1935. Class 4.

Bloomer Bros. Company, Newark, N. Y. Ice cream pails of cardboard. 324,818; June 4; Serial No. 358,039; published Mar. 26, 1935. Class 2.
Bosch, Henry, Company, Chicago, Ill. Wall paper. 325,022; June 4. Class 37.
Bowey's, Inc., Chicago, Ill. Chocolate flavored syrup. 324,818; June 4; Serial No. 358,354; published Mar. 26, 1935. Class 46.
Bradley, Milton, Company, Springfield, Mass. Game. 325,032; June 4. Class 22.
Brothers Corporation, Brooklyn, N. Y. Dusting powder used as surgical dressing. 324,830; June 4; Serial No. 359,844; published Mar. 19, 1935. Class 6.
Brown, L. L., Paper Company, Adams, Mass. Ledger, record, linen, etc., papers. 324,923–4; June 4; Serial Nos. 361,077–8; published Mar. 26, 1935. Class 37.
Bruguera, Ramiro B., Palafrugell, Spain. Stoppers, discs, and joints made of cork. 324,781; June 4; Serial No. 354,596; published Mar. 26, 1935. Class 50.
Buckingham & Hecht, San Francisco, Calif. Shoes. 324,837; June 4; Serial No. 359,777; published Mar. 26, 1935. Class 39.
Buegeleisen & Jacobson, New York, N. Y. Accordions, mouth harmonicas, clarionets, etc. 324,810; June 4; Serial No. 358,669; published Mar. 26, 1935. Class 36.
Burtt, Kenneth E., doing business as K. E. Burtt & Co., Chicago, Ill. Foot ointment. 324,799; June 4; Serial No. 359,253; published Mar. 19, 1935. Class 6.
Caldwell, A. & G. J., Inc., Newburyport, Mass. Rum. 324,845; June 4; Serial No. 359,571; published Mar. 26, 1935. Class 49.
Caldwell, A. & G. J., Inc., Newburyport, Mass. Rum. 324,879; June 4; Serial No. 359,207; published Mar. 26, 1935. Class 49.
Calvet, J., & Cie., S. A. R. L., Bordeaux, France. Cognacs, alcoholic cordials, whisky, etc. 324,806; June 4; Serial No. 350,176; published Mar. 26, 1935. Class 49.
Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. 324,850; June 4; Serial No. 360,397; published Mar. 26, 1935. Class 42.
Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. 324,973; June 4; Serial No. 360,398; published Mar. 26, 1935. Class 42.
Carlisle Tire & Rubber Co., Carlisle, Pa. Inner tubes. 324,877; June 4; Serial No. 359,342; published Mar. 26, 1935. Class 35.
Carlton Mills Co., Inc., Philadelphia, Pa., and New York, N. Y. Woolen piece goods. 324,861; June 4; Serial No. 360,130; published Mar. 26, 1935. Class 42.
Carter Medicine Company, New York, N. Y. Liver pills. 324,812; June 4; Serial No. 358,548; published Mar. 19, 1935. Class 6.
Carver Cotton Gin Company, East Bridgewater, Mass. Shakers, separators, hull beaters, etc., for cotton seed; gin and linter saws. 324,996; June 4. Class 23.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 324,972; June 4; Serial No. 360,399; published Mar. 19, 1935. Class 42.
Cellograph Corporation of America, San Francisco, Calif. Half-tone printing plates. 324,942; June 4; Serial No. 360,469; published Mar. 26, 1935. Class 50.
Century Distilling Co., Peoria, Ill. Whiskey. 324,994; June 4. Class 49.
Century Distilling Co., Peoria, Ill. Whiskey. 325,038 9; June 4. Class 49.
Cera, Enrique, Barcelona, Spain. Tonics for the nerves. 105,453; renewed July 27, 1935.
Chase, William, doing business as Hollywood Rumba Company, New York, N. Y. Games. 324,990; June 4; Serial No. 360,663; published Mar. 26, 1935. Class 22.
Chemical Foundation, Incorporated, The. (See Neue Photographische Gesellschaft Aktiengesellschaft, assignor.)
Chemical Foundation, Incorporated, The. (See Schamberg, Egmont, assignor.)
Chicago Hydraulic Oil Company, Chicago, Ill. Windshield paste. 324,933; June 4; Serial No. 360,880; published Mar. 26, 1935. Class 4.
Chipman's, Chas., Sons Co., Inc., New York, N. Y. Golf hose. 325,014; June 4. Class 39.
Clark, James, Distilling Corporation, Jersey City, N. J. Whisky. 325,006; June 4. Class 49.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Steel in the form of ingots, billets, bars, etc. 324,847; June 4; Serial No. 359,503; published Mar. 26, 1935. Class 24.
Clicquot Club Company, Providence, R. I., and Millis, Mass., to Clicquot Club Company, Millis, Mass. Ginger ale, sarsaparilla, birch-beer, etc. 106,144; renewed Oct. 12, 1935.
Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. 324,978–81; June 4; Serial Nos. 360,762–5; published Mar. 26, 1935. Class 2.
Clopay Corporation, Cincinnati, Ohio. Garment bags. 324,982; June 4; Serial No. 360,760; published Mar. 26, 1935. Class 2.
Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. 324,983–4; June 4; Serial Nos. 360,755–6; published Mar. 26, 1935. Class 2.
Cluff and Pickering, Ltd., New York, N. Y. Whisky, brandy, and rum. 325,034; June 4. Class 49.
Consolidated Tea Co. Inc. (See Zechnowitz, Samuel, assignor.)
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 324,057–8; June 4; Serial Nos. 359,944–5; published Mar. 26, 1935. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 325,010–11; June 4. Class 49.
Continente, G., Pittsburg, Calif. Fresh grapes. 324,880; June 4; Serial No. 359,080; published Mar. 26, 1935. Class 46.
Cooper Medicine Co., The, assignor to International Proprietaries Incorporated, Dayton, Ohio. Medical preparation used as a tonic. 104,379; renewed May 25, 1935.
Corporation Insiders' Stock Record. (See Silverman, Sydney H.)
Cosmos Chemical Corporation, New York, N. Y. Deodorants. 324,868; June 4; Serial No. 360,623; published Mar. 26, 1935. Class 6.
Crane & Co., assignor to Crane & Co., Inc., Dalton, Mass. Tracing-paper. 106,090; renewed Oct. 12, 1935.
Crane Packing Company, Chicago, Ill. Remote controlled valves. 325,003; June 4. Class 13.
Cubbison Cracker Co., Inc., Los Angeles, Calif. Wafers. 324,971; June 4; Serial No. 360,403; published Mar. 26, 1935. Class 46.
D-P-W Company, The, Akron, Ohio. Paints and painters' materials. 102,648; renewed Feb. 16, 1935.
D'Arrigo Bros. Co., San Jose, Calif. Fresh vegetables. 324,896; June 4; Serial No. 361,517; published Mar. 26, 1935. Class 46.
Dean Wallace Corporation, Brooklyn, N. Y. Tonic. 324,934; June 4; Serial No. 360,578; published Mar. 26, 1935. Class 6.
De Burgos Luque, Juan, Aguilar de la Frontera, Spain. Wines. 324,890; June 4; Serial No. 356,484; published Mar. 26, 1935. Class 47.
De Burgos Luque, Juan, Aguilar de la Frontera, Spain. Brandy, whiskey, gin, etc. 324,891; June 4; Serial No. 356,483; published Mar. 26, 1935. Class 49.
Delafield Nurseries. (See Marsico, Sisto F.)
Dellwood Dairy Co. Inc., Yonkers, N. Y. Milk. 324,889; June 4; Serial No. 360,580; published Mar. 26, 1935. Class 46.
De Montagnac, E. & Fils, Sedan, France. Woolen piece goods. 324,985; June 4; Serial No. 360,711; published Mar. 26, 1935. Class 42.
De Rosa, Frank, New York, N. Y. Coffee. 324,915; June 4; Serial No. 361,147; published Mar. 26, 1935. Class 46.
Dewey and Almy Chemical Company, Cambridge and North Cambridge, Mass. Gas absorbents. 325,026; June 4. Class 6.
Dickinson, Albert, Company, The. (See Illinois Seed Co., The, assignor.)
Dixon, Joseph, Crucible Company, Jersey City, N. J. Sprayers. 324,938; June 4; Serial No. 360,514; published Mar. 26, 1935. Class 23.
Doak Company, The, Cleveland, Ohio. Chemical preparation having the same general use as soaps. 324,846; June 4; Serial No. 359,531; published Mar. 26, 1935. Class 4.
Douglas, W. L., Shoe Company, Motello, Brockton, Mass. Boots, shoes, and slippers. 324,858; June 4; Serial No. 360,219; published Mar. 26, 1935. Class 39.
Doyle Packing Company, Los Angeles, Calif. Canned dog and cat food. 324,895; June 4; Serial No. 361,519; published Mar. 26, 1935. Class 46.
Dri-Water Company. (See Trout, Horace I.)
Durwyllan Company, Paterson, N. J. Friction material for brakes. 325,007; June 4. Class 35.
Earle-Chesterfield Mill Co., Asheville, N. C. Cereal breakfast food. 324,893; June 4; Serial No. 357,194; published Mar. 26, 1935. Class 46.
Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. 324,875; June 4; Serial No. 359,390; published Mar. 26, 1935. Class 39.
Elms & Sellon, to Turner Halsey Company, New York, N. Y., successor. Cotton piece goods. 96,656; renewed Apr. 28, 1934.
El Rey Products Co., Los Angeles, Calif. Plastic roof cement, asbestos fiber roof coating, and asphalt roof coating. 324,836; June 4; Serial No. 359,786; published Mar. 26, 1935. Class 12.
Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies, Société Anonyme, Paris, France. Cordials. 324,820–1; June 4; Serial Nos. 357,980–1; published Mar. 26, 1935. Class 49.
Etna Chemical Company, Inc. (See Anglo-American Pharmaceutical Company, assignor.)
Exhibit Supply Company, The, Chicago, Ill. Coin controlled amusement apparatus. 324,932; June 4; Serial No. 360,883; published Mar. 26, 1935. Class 22.
Fairyfoot Products Company, Chicago, Ill. Preparation for treatment of athlete's foot, etc. 324,874; June 4; Serial No. 359,391; published Mar. 26, 1935. Class 6.
Family Liquor Store. (See Stein, William.)
Fargo, Stephen, Cleveland, Ohio. Salts remedy. 103,849; renewed Apr. 20, 1935.
Fargo, Stephen, Cleveland, Ohio. Liniment. 104,718; renewed June 15, 1935.
Farmstead, Inc., New York, N. Y. Ice cream, butter, eggs, and coffee. 324,921–2; June 4; Serial Nos. 361,083–4; published Mar. 26, 1935. Class 46.
Federal Enameling & Stamping Company, McKees Rocks, Pa. Utensils formed of enameled base metal. 325,001; June 4. Class 13.

Fee & Stemwedel, Inc., Chicago, Ill. Indicators. 325,015; June 4. Class 26.
Ferrand & Suddards Limited, Bradford, England. Fasteners for buckles, etc. 324,886; June 4; Serial No. 358,770; published Mar. 26, 1935. Class 40.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 325,030; June 4. Class 49.
Firth-Sterling Steel Company, McKeesport, Pa. Tool-steel. 106,094; renewed Oct. 12, 1935.
Fisher Hosiery Co. Inc., Reading, Pa. Hosiery. 325,004; June 4. Class 39.
Fiske Brothers Refining Co., New York, N. Y. Lubricating oils and greases. 106,095; renewed Oct. 12, 1935.
Fitzhugh, Herbert W., New York, N. Y. Hosiery, underwear, sweaters, etc. 325,000; June 4. Class 39.
Forest City Rubber Company, The, Cleveland, Ohio. Absorbent cotton, gauze bandages, etc. 324,859; June 4; Serial No. 360,170; published Mar. 26, 1935. Class 44.
Fort Orange Chemical Co., Inc., Albany, N. Y. Nail polish and a liquid solvent for removing polish. 324,835; June 4; Serial No. 359,791; published Mar. 19, 1935. Class 6.
Fourcade, Maurice, Paris, France. Extracts in ampoule form for anaemia, obesity, etc. 324,993; June 4; Serial No. 360,631; published Mar. 26, 1935. Class 6.
Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 324,944; June 4; Serial No. 346,634; published Mar. 26, 1935. Class 49.
Franklin Shops, Inc., Hempstead, N. Y. Women's, misses', and girls' hats. 324,863; June 4; Serial No. 360,094; published Mar. 26, 1935. Class 39.
Franklin Simon, assignor to Franklin Simon & Co., Inc., New York, N. Y. Wearing-apparel. 106,807; renewed Oct. 26, 1935.
French, Gus. H., doing business as Sanex Co., Minneapolis, Minn. Preparation for relief of simple headache, neuralgia, periodic pains, etc. 324,961; June 4; Serial No. 359,911; published Mar. 19, 1935. Class 6.
Fuller, Geneva L. M. (See Montgomery, Lucinda J.)
Fuller, W. P., & Co., San Francisco, Calif. Varnishes, driers, paint oils, etc. 324,834; June 4; Serial No. 359,792; published Feb. 26, 1935. Class 16.
General Electric Company, Schenectady, N. Y. Electric incandescent lamps. 104,017; renewed Apr. 27, 1935.
General Parts Manufacturing Company, Chicago, Ill. Spark plugs, ignition coils, automotive condensers. 324,941; June 4; Serial No. 360,473; published Mar. 26, 1935. Class 21.
General Transformer Corporation, Chicago, Ill. Universal power transformers. 325,012; June 4. Class 21.
Ghirardelli, D., Co., San Francisco, Calif. Eating-chocolate and chocolate candy. 106,424; renewed Oct. 19, 1935.
Giessing Milling Co., Farmington, Mo. Self rising wheat flour. 324,992; June 4; Serial No. 360,632; published Mar. 26, 1935. Class 46.
Glaser, Robert, San Francisco, Calif. Medicinal preparation for cattle ailments. 324,905; June 4; Serial No. 361,265; published Mar. 26, 1935. Class 6.
Glass, Henry, & Co., New York, N. Y. Piece goods. 325,037; June 4. Class 42.
Gold Medal Yarn Company, New York, N. Y. Knitting yarns. 325,016; June 4. Class 43.
Golden Arrow Herb Co. (See Switalski, Ann.)
Grand Rapids Refrigerator Company, Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Heat-insulating material for refrigerators. 103,695; renewed Apr. 13, 1935.
Grant, Ian, & Co. (See Simpson, Edward, & Co. (Distillers) Limited.)
Greenwood, Stella M., Snomac, Okla. Puzzle column in newspapers. 324,931; June 4; Serial No. 360,885; published Mar. 26, 1935. Class 38.
Gretsch, Ralph, & Co., Inc., New York, N. Y. Moth repellent. 324,855; June 4; Serial No. 360,309; published Mar. 19, 1935. Class 6.
Gutmann, Carl, & Co., assignor to Carl Gutmann & Co., Inc., New York, N. Y. Women's, misses', and children's knitted underwear. 104,003; renewed Apr. 27, 1935.
H. & H. Mfg. Co., Inc., The, New York, N. Y. Ladies' pajamas and undergarments. 324,937; June 4; Serial No. 360,536; published Mar. 26, 1935. Class 39.
Habicht, Braun & Co., New York, N. Y. Foods. 106,431; renewed Oct. 19, 1935.
Harris, Edward O., to Edward O. Harris, doing business as Harris Milling Co., Mount Pleasant, Mich. Wheat-flour, graham flour, pancake-flour, etc. 104,725; renewed June 15, 1935.
Hearn Department Stores, Inc., New York, N. Y. Whiskey. 324,864; June 4; Serial No. 360,033; published Mar. 26, 1935. Class 49.
Heidsiek, John, Company, The, Barberton, Ohio. Gin. 324,808; June 4; Serial No. 349,086; published July 3, 1934. Class 49.
Heller Leather Corporation, The, Milwaukee, Wis. Leather gloves. 105,941; renewed Aug. 31, 1935.
Hermanos, Lopez, Malaga, Spain. Brandies and anisettes. 324,940; June 4; Serial No. 345,426; published Mar. 26, 1935. Class 49.
Heyman Process Corporation, New York, N. Y. Dry granulated malt and cocoa food beverage preparation. 324,799; June 4; Serial No. 352,642; published Mar. 26, 1935. Class 46.
Hoffman, C. & A., Philadelphia, Pa., assignor, by mesne assignments, to John Russell Cutlery Company, Southbridge, Mass. Butchers' steels. 103,754; renewed Apr. 13, 1935.
Holbrook Grocery Co., The, Keene, Woodsville, and Nashua, to The Holbrook Grocery Co., Keene, N. H. Coffee and tea. 104,560–1; renewed June 1, 1935.
Holbrook Grocery Co., The, Keene, Woodsville, and Nashua, to The Holbrook Grocery Co., Keene, N. H. Coffee and tea. 105,582; renewed July 27, 1935.
Hollander, Joseph, Inc., Newark, N. J. Furs. 324,854; June 4; Serial No. 360,315; published Mar. 26, 1935. Class 1.
Hollywood Rumba Company. (See Chase, William.)
Hudson Valley Paper Co., Albany, N. Y. Printing, writing, and cover papers. 106,442; renewed Oct. 19, 1935.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Skin ointment. 324,991; June 4; Serial No. 360,634; published Mar. 26, 1935. Class 6.
Illinois Seed Co., The, assignor to The Albert Dickinson Company, Chicago, Ill. Field and grass seeds and seed grain. 104,020–2; renewed Apr. 27, 1935.
Illinois Seed Co., The, assignor to The Albert Dickinson Company, Chicago, Ill. Seeds. 104,023; renewed Apr. 27, 1935.
Illinois Seed Co., The, assignor to The Albert Dickinson Company, Chicago, Ill. Field and grass seeds and seed-grain. 104,024; renewed Apr. 27, 1935.
Illinois Seed Co., The, assignor to The Albert Dickinson Company, Chicago, Ill. Field and grass seeds and seed-grain, and pasture and lawn mixtures. 105,536; renewed Aug. 3, 1935.
Ingraham, E., Company, The, Bristol, Conn. Clocks. 104,709; renewed June 15, 1935.
International Nickel Company, Inc., The, New York, N. Y. Tables and table tops. 324,920; June 4; Serial No. 361,096; published Mar. 26, 1935. Class 32.
International Proprietaries Incorporated. (See Cooper Medicine Co., The, assignor.)
Intravenous Products Co. of America, Inc., New York, N. Y. Intravenous solutions. 324,936; June 4; Serial No. 360,540; published Mar. 26, 1935. Class 6.
Irvington Underwear Co., New York, N. Y. Ladies' underwear and slips. 325,031; June 4. Class 39.
Jamieson, C. E., & Co., Detroit, Mich. Haarlem oil. 324,919; June 4; Serial No. 361,097; published Mar. 26, 1935. Class 6.
Jel Sert Co., The, Chicago, Ill. Chocolate preparation. 324,947; June 4; Serial No. 343,454; published Mar. 26, 1935. Class 46.
Jenaer Glaswerk Schott & Gen. (See Schott & Gen.)
Johnson Wholesale Perfume Co., Inc., New Haven, Conn. Gin. 324,913; June 4; Serial No. 356,524; published Mar. 26, 1935. Class 49.
Judge & Dolph, Ltd., Chicago, Ill. Wine. 324,927; June 4; Serial No. 360,966; published Mar. 26, 1935. Class 47.
Karlsson, Alb., Eskilstuna, Sweden. Locks and parts thereof. 324,900; June 4; Serial No. 361,420; published Mar. 26, 1935. Class 25.
Kastner, Donald E., doing business as Kaydon's, New York, N. Y. Juices of citrous fruits. 324,870; June 4; Serial No. 359,468; published Mar. 26, 1935. Class 46.
Kaydon's. (See Kastner, Donald E.)
Kelvinator Corporation. (See Grand Rapids Refrigerator Company, assignor.)
Kipp, Charles W. (See Lippincott & Co., assignor.)
Knit Sportswear Co., Brooklyn, N. Y. Knitted suits, dresses, and sweaters. 325,027; June 4. Class 39.
Kodicon Products Co. (See Wolf, Bernard M.)
Korn, David, & Co. Inc., New York, N. Y. Slips, pajamas, and night gowns. 325,021; June 4. Class 39.
Kraus Bros. & Co., Inc., New York, N. Y. American rye and bourbon whiskey. 325,024; June 4. Class 49.
Kronheim, Milton S., Co., Inc., Washington, D. C. Whiskey, brandy, gin, etc. 324,997; June 4. Class 49.
Kulesza, John, Detroit, Mich. Insecticide. 325,019; June 4. Class 6.
Kurlan, Sidney, New York, N. Y. Metal shoe lasts and shoe last blanks. 324,793; June 4; Serial No. 353,610; published Mar. 26, 1935. Class 50.
Lacy Products Corp., Chicago, Ill. Electric heating cups. 325,025; June 4. Class 21.
Langan, John, Yonkers, N. Y. Liquid and salve. 106,160; renewed Oct. 12, 1935.
Larrain, Bernardo, Santiago, Chile. Wine. 324,833; June 4; Serial No. 359,801; published Mar. 26, 1935. Class 47.
Lawson, James B., Dundee, Scotland. Whiskies. 324,945; June 4; Serial No. 345,778; published Mar. 26, 1935. Class 49.
Lederman, Alfred, New York, N. Y. Hair rinse. 325,005; June 4. Class 6.
Lester & Company, Newark, N. J. Brooches, clip pins, finger rings, etc. 324,876; June 4; Serial No. 359,361; published Mar. 26, 1935. Class 28.
Levin, Dan, doing business as Dan Levin Co., San Francisco, Calif. Women's hats. 324,940; June 4; Serial No. 360,480; published Mar. 26, 1935. Class 39.
Lima Cord Sole and Heel Company, The, Lima, Ohio. Soles. 324,970; June 4; Serial No. 360,412; published Mar. 26, 1935. Class 39.

Lion Brewery of New York City, New York, N. Y. Beers and ales. 324,898–9; June 4; Serial Nos. 361,424–5; published Mar. 26, 1935. Class 48.

Lippincott & Co., Philadelphia and Altoona, Pa., assignor to Charles W. Kipp, Riverton, N. J. Foods. 103,437; renewed Apr. 6, 1935.

Lissner, H., Company, Inc., New York, N. Y. Golf knickers, sport, riding, and golf trousers, and trousers. 325,029; June 4. Class 39.

Little, Thomas F., Sr., Laurel Hill, Long Island, N. Y. Umbrellas. 324,999; June 4. Class 41.

Los Angeles Soap Co., Los Angeles, Calif. Beauty soap. 324,911; June 4; Serial No. 361,175; published Mar. 26, 1935. Class 4.

Maclin-Zimmer-McGill Tobacco Co., Incorporated, Petersburg, Va. Tobacco. 106,075; renewed Oct. 5, 1935.

Manhattan Kreole Products, Inc., Brooklyn, N. Y. Shoe polish and shoe lotion cream preparation. 324,953; June 4; Serial No. 359,995; published Mar. 26, 1935. Class 4.

Manhattan Shirt Co., The, New York, N. Y. Negligee shirts and collars. 324,910; June 4; Serial No. 361,176; published Mar. 26, 1935. Class 39.

Manhattan Shirt Co., The, New York, N. Y. Handkerchiefs. 324,974; June 4; Serial No. 360,852; published Mar. 26, 1935. Class 42.

Marsico, Sisto E., doing business as Delafield Nurseries, Aspinwall, Pa. Fertilizer having germicidal properties. 324,929; June 4; Serial No. 361,020; published Mar. 26, 1935. Class 10.

Maryland Distillery, Incorporated, Relay, Md. Whiskey. 324,807; June 4; Serial No. 350,043; published May 22, 1934. Class 49.

Maryland-Pikesville Distillery, Inc., Baltimore, Md. Whiskey. 324,792; June 4; Serial No. 354,090; published Mar. 26, 1935. Class 49.

Master Builders Company, The, Cleveland, Ohio. Material to be used as an ingredient for cement, masonry mortar, stucco, etc. 325,008; June 4. Class 12.

Mayo Mills, The, Mayodan, N. C., and New York, N. Y., to Washington Mills Company, Winston-Salem, N. C., successor. Underwear and hosiery. 105,517; renewed Aug. 3, 1935.

McCutcheon, James, & Co., New York, N. Y. Umbrellas and parasols. 324,935; June 4; Serial No. 360,573; published Mar. 19, 1935. Class 41.

McKenna, H., Incorporated, Fairfield, Ky. Whisky. 324,832; June 4; Serial No. 359,807; published Mar. 26, 1935. Class 49.

Mercian, Joseph H., assignor to Meyer & Lange, Inc., New York, N. Y. Canned fish and vegetables. 106,077; renewed Oct. 5, 1935.

Metals Refining Company, Hammond, Ind. Lead oxide. 324,814; June 4; Serial No. 358,379; published Mar. 19, 1935. Class 6.

Meyer & Lange, Inc. (See Mercian, Joseph H., assignor.)

Meyer & Lange, Inc., New York, N. Y. Prepared mushrooms. 324,960; June 4; Serial No. 359,921; published Mar. 26, 1935. Class 46.

Meyer Sanitary Milk Company, Kansas City, Kans. Milk, cream, and buttermilk. 324,826; June 4; Serial No. 356,154; published Mar. 26, 1935. Class 46.

Mesquida, Isabel, San Juan, P. R. Cream or ointment to stimulate the growth of the hair and avoid baldness. 324,801; June 4; Serial No. 355,084; published Mar. 26, 1935. Class 6.

Miles Shoes, Inc., New York, N. Y. Shoes. 324,930; June 4; Serial No. 360,893; published Mar. 26, 1935. Class 39.

Montana Flour Mills Company, Lewistown, Mont., to Montana Flour Mills Company, Great Falls, Mont. Wheat-flour. 105,859; renewed Aug. 24, 1935.

Montgomery, Lucinda J., Micanopy, Fla., to Geneva L. M. Fuller, Coconut Grove, Fla., successor. Preparations for treating certain named affections. 103,268; renewed Mar. 23, 1935.

Morin Père et Fils, Nuits-Saint Georges, France. Wines. 324,940; June 4; Serial No. 341,928; published Mar. 26, 1935. Class 47.

Mount Dora Citrus Growers Association, Mount Dora, Fla. Fresh citrus fruits. 324,909; June 4; Serial No. 361,179; published Mar. 26, 1935. Class 46.

Murphy Ranch. (See Vittucci Importing Co., assignor.)

My-Han Company, The. (See Tuvin, J. H.)

Naamloose Vennootschap Maatschappij tot Voortzetting der Zaken Gedreven onder den Naam Klaas Tilly, Haarlem, Netherlands. Haarlem oil, being a medicinal oil. 324,819; June 4; Serial No. 358,023; published Mar. 26, 1935. Class 6.

Narragansett Brewing Company, Cranston, R. I. Malt beverages. 324,797; June 4; Serial No. 351,641; published Dec. 11, 1934. Class 48.

National Carbon Company, Inc., New York, N. Y. Portable electric arc lamps. 324,860; June 4; Serial No. 360,137; published Mar. 26, 1935. Class 21.

National Licorice Company, Brooklyn, N. Y. Preparation for destroying bad breath. 324,918; June 4; Serial No. 361,107; published Mar. 26, 1935. Class 6.

National-Superior Company, The, Toledo, Ohio. Couplings, clamps, saddles, etc., for use on pipe, etc. 325,017; June 4. Class 13.

National Wholesale Liquor Co., Inc., Baltimore, Md. Gin. 324,956; June 4; Serial No. 359,936; published Mar. 26, 1935. Class 49.

Neue Photographische Gesellschaft Aktiengesellschaft, Steglitz, near Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Photographic supplies. 105,119; renewed July 6, 1935.

Newbro Manufacturing Company, Atlanta, Ga. Pomades. 324,950; June 4; Serial No. 335,070; published May 22, 1934. Class 6.

New Wooster Preserving Co., The, Wooster, Ohio, by change of name to The Wooster Preserving Co. Foods. 106,119; renewed Oct. 12, 1935.

Nu-Di Products Company, The, Cleveland, Ohio. Cleaner compound for upholstery, tapestries, draperies, etc. 324,964; June 4; Serial No. 360,442; published Mar. 26, 1935. Class 4.

Nyal Service Drug Stores Corporation. (See Agra Company.)

O'Connor & Goldberg, Chicago, Ill. Women's shoes. 324,963; June 4; Serial No. 359,857; published Mar. 12, 1935. Class 39.

Old Buck Guano Co., Inc., Richmond, assignor to F. S. Royster Guano Co., Norfolk, Va. Fertilizers. 106,174; renewed Oct. 12, 1935.

Openshaw, Elna D., doing business as Anna Lee Laboratories, Los Angeles, Calif., and Salt Lake City, Utah. Skin lotion, cold cream, face cream, etc. 324,794; June 4; Serial No. 353,340; published Mar. 19, 1935. Class 6.

Overbacker Coffee Co. Incorporated, The, Louisville, Ky. Roasted coffee. 104,028; renewed Apr. 27, 1935.

Palatine Corporation, New York, N. Y. Cotton goods in the piece. 324,853; June 4; Serial No. 360,371; published Mar. 26, 1935. Class 42.

Parke, Davis & Co., Detroit, Mich. Viruses, serums, toxins, etc. 106,175; renewed Oct. 12, 1935.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 324,901; June 4; Serial No. 361,367; published Mar. 26, 1935. Class 22.

Pass and Williamson, Inc., Philadelphia, Pa. Confection. 324,897; June 4; Serial No. 361,478; published Mar. 26, 1935. Class 46.

Patterson Screen Company, The, Towanda, Pa. X-ray intensifying screens. 324,917; June 4; Serial No. 361,112; published Mar. 26, 1935. Class 26.

Patou, Jean, Inc., New York, N. Y. Eau de Cologne. 324,986; June 4; Serial No. 360,728; published Mar. 26, 1935. Class 6.

Pawley, George A., doing business as Pawley Chemical Co., Cohoes, N. Y. Cleaner for enamel and porcelain. 324,811; June 4; Serial No. 358,650; published Mar. 26, 1935. Class 4.

Pepper, Jas. E., & Company, Lexington, Ky. Whiskey, brandy, gin, etc. 324,998; June 4. Class 49.

Pipe, John L., doing business as Thermo-trol Stoker Company, Quincy, Ill. Coal stokers. 324,800; June 4; Serial No. 355,234; published Mar. 26, 1935. Class 34.

Politto, J. P., doing business as Venitian Wine Co., Los Angeles, Calif. Wine. 325,018; June 4. Class 47.

Pope-Gosser China Co., The, Coshocton, Ohio. Chinaware, porcelain ware, earthenware, etc. 324,962; June 4; Serial No. 359,896; published Mar. 26, 1935. Class 30.

Potter & Moore, Limited, London, England. Toilet water. 324,885; June 4; Serial No. 358,892; published Mar. 5, 1935. Class 6.

Progreso Texas Citrus Growers' Association, Progreso, Tex. Fresh boxed citrus fruits. 324,823; June 4; Serial No. 357,351; published Mar. 26, 1935. Class 46.

Progreso Texas Citrus Growers' Association, Progreso, Tex. Fresh boxed and canned citrus fruits and vegetables, etc. 324,824; June 4; Serial No. 357,350; published Mar. 26, 1935. Class 46.

Progreso Texas Citrus Growers' Association, Progreso, Tex. Boxed fresh citrus fruits. 324,892; June 4; Serial No. 357,349; published Mar. 26, 1935. Class 46.

Provincial Distilleries Ltd. Inc., Brooklyn, N. Y. Whiskey. 324,928; June 4; Serial No. 360,940; published Mar. 26, 1935. Class 49.

Pumarejo, Miguel L., New York, N. Y. Periodical. 324,888; June 4; Serial No. 360,605; published Mar. 26, 1935. Class 38.

Quigley Company, Inc., New York, N. Y. Refractory material for use in furnaces. 324,951; June 4; Serial No. 336,097; published Mar. 26, 1935. Class 12.

Raritan Distillers Corp., Perth Amboy, N. J. Whiskey, gin, and brandy. 324,977; June 4; Serial No. 360,789; published Mar. 26, 1935. Class 49.

Repase, George G., Philadelphia, Pa. Medicinal preparation. 324,899; June 4; Serial No. 358,701; published Mar. 19, 1935. Class 6.

Rextron Radio Company, Inc., Chicago, Ill. Radio receiving sets and parts thereof. 324,908; June 4; Serial No. 361,189; published Mar. 26, 1935. Class 21.

Rheinische Gummi- und Celluloid-Fabrik, Mannheim-Neckarau, Germany. Dolls and toys made of pyroxylin compounds. 104,499; renewed June 1, 1935.

Richardson Company, The, Lockland, Ohio. Battery boxes. 324,904; June 4; Serial No. 361,285; published Mar. 26, 1935. Class 21.

Riddle, Harry M., assignor to The Asbury Graphite Mills, Asbury, N. J. East India silver-lead, Ceylon plumbago, and flake graphite. 106,180; renewed Oct. 12, 1935.

Rhindeman-Salinger Company, New York, N. Y. Tickings. 324,883; June 4; Serial No. 359,004; published Mar. 26, 1935. Class 42.

Rogers, Howard M. (See Stroud, Morris R., assignor.)

Rose-Derry Corporation, Newton, Mass. Mattresses. 324,995; June 4. Class 32.

Royster, F. S., Guano Co. (See Old Buck Guano Co., Inc., assignor.)

Runkel Brothers, Inc., New York, N. Y. Chocolate. 324,976; June 4; Serial No. 360,793; published Mar. 26, 1935. Class 46.

Russell, John, Cutlery Company. (See Hoffman, C. & A., assignor.)

Samson Plaster Board Company, Buffalo, N. Y. Asphalt roofing. 324,965–9; June 4; Serial Nos. 360,417–21; published Mar. 26, 1935. Class 12.

Sanex Co. (See French, Gus. H.)

San Juan Islands Cannery, Friday Harbor, Wash. Canned peas. 324,791; June 4; Serial No. 354,450; published Mar. 26, 1935. Class 46.

Schamberg, Egmont, Berlin-Halensee, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Preparations containing radium. 104,992; renewed June 29, 1935.

Schatz-Brau Brewing Company, Melrose, Minn. Malt beverages. 324,949; June 4; Serial No. 340,417; published Mar. 26, 1935. Class 48.

Schecter, Morris, doing business as Schecter Bros. Co., Philadelphia, Pa., assignor to Schecter Bros. Co., Philadelphia, Pa. Weather-proofing and water-proofing roof cement. 325,029; June 4. Class 12.

Schlossman, Samuel, Sons, Inc., New York, N. Y. Furniture. 324,798; June 4; Serial No. 351,333; published Sept. 18, 1934. Class 32.

Schmidt, Herman, doing business as Otto Schmidt Wine Company, Chicago, Ill. Whiskies. 324,952; June 4; Serial No. 359,999; published Mar. 26, 1935. Class 49.

Schott & Gen., to Jenaer Glaswerk Schott & Gen., Jena, Germany, successor. Raw-glass. 103,970; renewed Apr. 20, 1935.

Scottish Importing Corp., Kansas City, Mo. Gin, whiskey, and brandy. 324,842; June 4; Serial No. 359,676; published Mar. 26, 1935. Class 49.

Seligman & Latz, New York, N. Y. Lotions and cosmetics. 324,813; June 4; Serial No. 358,530; published Mar. 19, 1935. Class 6.

Seminole Fertilizer Company, Miami, Fla. Fertilizer. 324,925; June 4; Serial No. 361,028; published Mar. 26, 1935. Class 10.

Sgobel & Day, Sacramento, Calif. Fresh deciduous fruits. 324,916; June 4; Serial No. 361,124; published Mar. 26, 1935. Class 46.

Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Sterilized solution of iodin. 106,185; renewed Oct. 12, 1935.

Sherwin-Williams Co., The, Cleveland, Ohio. Soap. 324,988; June 4; Serial No. 360,686; published Mar. 26, 1935. Class 4.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides, fungicides, and flocculators; 324,989; June 4; Serial No. 360,685; published Mar. 26, 1935. Class 6.

Silicox Radio & Television Corporation, New York, N. Y. Radio receiving and transmitting sets and parts thereof, and radio tubes. 324,906; June 4; Serial No. 361,225; published Mar. 26, 1935. Class 21.

Silverman, Sydney H., doing business as Corporation Insiders' Stock Record, New York, N. Y. Publication. 324,907; June 4; Serial No. 361,190; published Mar. 26, 1935. Class 38.

Simon Bros. Co., Inc., Madison, Wis. Baking powder, canned fruits, vegetables, soup, etc. 324,814; June 4; Serial No. 358,390; published Mar. 26, 1935. Class 46.

Simpson, Edward, & Co. (Distillers) Limited, doing business as Ian Grant & Co., London, England. Whiskey. 324,827; June 4; Serial No. 355,986; published Mar. 26, 1935. Class 49.

Smith, Chas. K., Company. (See Stroud, Morris R.)

Smith & Wesson, Inc., Springfield, Mass. Revolvers. 324,894; June 4; Serial No. 361,638; published Mar. 26, 1935. Class 9.

Snyder, Harvey E., Akron, Ohio. Washing compounds 104,487; renewed June 1, 1935.

Societe Worth. (See Worth, assignor.)

Spellman, E. L., Co., Inc., New York, N. Y. Whiskey. 324,889; June 4; Serial No. 359,012; published Mar. 26, 1935. Class 49.

Spratt's Patent (America) Limited, London, England, and Newark, N. J. Incubators. 106,082; renewed October 5, 1935.

Standard Cigar Company, Pittsburgh, Pa. Cigars 324,838; June 4; Serial No. 359,756; published Mar. 26, 1935. Class 17.

Standard Nut Margarine Company, Indianapolis, Ind. Mayonnaise, salad dressing, sandwish spread, etc. 325,028; June 4. Class 46.

Statesville Flour Mills Company, Statesville, N. C. Wheat flour. 324,805; June 4; Serial No. 350,402; published Mar. 26, 1935. Class 46.

Stein, William, doing business as Family Liquor Store, Washington, D. C. Whisky. 324,817; June 4; Serial No. 358,298; published Mar. 26, 1935. Class 49.

Strohmeyer & Arpe Company, New York, N. Y. Whiskey, brandy, cognac, gin, etc. 324,878; June 4; Serial No. 359,327; published Mar. 26, 1935. Class 49.

Stroud, Morris R., Philadelphia, Pa., assignor to Howard M. Rogers, doing business as Chas. K. Smith Company, Riverton, N. J. Greases and lubricants. 103,574; renewed Apr. 6, 1935.

Switalski, Ann, doing business as Golden Arrow Herb Co., Chicago, Ill. Medicinal herbs. 324,857; June 4; Serial No. 360,248; published Mar. 26, 1935. Class 6.

Sylvania, Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Cellulose sausage casings; 324,881; June 4; Serial No. 359,063; published Mar. 26, 1935. Class 2.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug and twist tobacco. 324,856; June 4; Serial No. 360,297; published Mar. 26, 1935. Class 17.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 325,033; June 4. Class 47.

Tee-Pee Chemical Company, Durham, N. C. Medicinal preparation for athlete's foot. 324,828; June 4; Serial No. 355,694; published Mar. 26, 1935. Class 6.

Textile Machine Works, Wyomissing, Pa. Knitting machines and parts thereof. 325,009; June 4. Class 23.

Thermo-trol Stoker Company. (See Pipe, John L.)

Triplett, J. L., Woodstock, Va. Wheat-flour. 106,383; renewed Oct. 19, 1935.

Trout, Horace L., doing business as Dri-Water Company, Mineral Wells, Tex. Concentrated mineral water crystals. 324,829; June 4; Serial No. 355,602; published Mar. 26, 1935. Class 6.

Turner Halsey Company. (See Elms & Sellon.)

Tuvin, J. H., doing business as The My-Han Company, Baltimore, Md. Skin preparation. 324,844; June 4; Serial No. 359,597; published Mar. 26, 1935. Class 6.

United Drug Company, assignor, by mesne assignments, to United Drug Company, Boston, Mass. Games, toys, and sporting goods. 104,657; renewed June 8, 1935.

Universal Coffee Company, Chicago, Ill. Glass coffee brewers. 324,987; June 4; Serial No. 360,692; published Mar. 26, 1935. Class 33.

Valco Laboratories. (See Valvoline Oil Company.)

Valvoline Oil Company, doing business as Valco Laboratories, Cincinnati, Ohio, and New York, N. Y. Preparation for treatment of coughs, colds and congestion. 324,887; June 4; Serial No. 360,610; published Mar. 26, 1935. Class 6.

Vauxhall Distributors Ltd., New York, N. Y. Gin. 324,872; June 4; Serial No. 359,447; published Mar. 26, 1935. Class 49.

Venetian Wine Co. (See Politto, J. P.)

Vittucci Importing Co., Seattle, Wash., assignor, by mesne assignments to Murphy Ranch, Whittier, Calif. Foods. 102,823; renewed Feb. 23, 1935.

Vivlny Perfumers, Inc., West Haven, Conn. Creams, facial lotions, etc. 324,795; June 4; Serial No. 352,937; published Aug. 21, 1934. Class 6.

Walker, Hiram, & Sons Limited, Walkerville, Ontario, Canada. Whiskey. 324,867; June 4. Serial No. 360,010; published Mar. 26, 1935. Class 49.

Walker, W. & H., Inc., Pittsburgh, Pa., assignor to Tom Walker, Inc., Pittsburgh, Pa. Whiskey. 325,035; June 4. Class 49.

Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Silver-plated table flatware. 325,036; June 4. Class 28.

Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases and sheets. 324,825; June 4; Serial No. 356,240; published Mar. 26, 1935. Class 42.

Washington Mills Company. (See Mayo Mills, The.)

Waters-Genter Co., Minneapolis, Minn. Gas and steam coffee urns and coffee pots. 324,912; June 4; Serial No. 356,890; published Mar. 26, 193'. Class 13.

Weideman Co., The, Cleveland, Ohio. Whiskey. 324,831; June 4; Serial No. 359,824; published Mar. 26, 1935. Class 49.

Weinreich, Sol E., doing business as Weinreich Brothers Co., New York, N. Y. Jewelry and pearls. 324,839; June 4; Serial No. 359,687; published Mar. 26, 1935. Class 28.

Weinreich, Sol E., doing business as Weinreich Brothers Co., New York, N. Y. Jewelry and pearls. 324,841; June 4; Serial Nos. 360,687–8; published Mar. 26, 1935. Class 28.

Werts Novelty Co., Inc., Muncie, Ind. Baseball score game. 324,782; June 4; Serial No. 354,545; published Mar. 26, 1935. Class 22.

Werts Novelty Co., Inc., Muncie, Ind. Game. 324,783; June 4; Serial No. 354,542; published Mar. 26, 1935. Class 22.

Werts Novelty Co., Inc., Muncie, Ind. Game. 324,784–6; June 4; Serial Nos. 354,538–40; published Mar. 26, 1935. Class 22.

Werts Novelty Co., Inc., Muncie, Ind. Game. 324,787–90; June 4; Serial Nos. 354,533–6; published Mar. 26, 1935. Class 22.

West Penn Distilling Company Inc., New Kensington, Pa. Whiskey and gin. 324,822; June 4; Serial No. 357,932; published Mar. 26, 1935. Class 49.

Western Chemicals, Inc., Seattle, Wash. Powder for treatment of alcoholism. 324,939; June 4; Serial No. 360,511; published Mar. 26, 1935. Class 6.

Western Clock Co., assignor to Western Clock Company, Peru, Ill. Clocks and watches 106,385; renewed Oct. 19, 1935.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Air-brake apparatus and railway draftgear. 106,386; renewed Oct. 19, 1935.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulated wire. 324,929; June 4; Serial No. 360,918; published Mar. 26, 1935. Class 21.

White & Wyckoff Mfg. Company, Holyoke, Mass. Writing and printing paper and papeteries. 324,914; June 4; Serial No. 361,156; published Mar. 26, 1935. Class 37.

Whitney Blake Company, The, New Haven, Conn. Insulated wire and cables. 106,128; renewed Oct. 12, 1935.

Williams, R. C., & Company, Inc., New York, N. Y. Whisky. 324,950; June 4; Serial No. 359,973; published Mar. 26, 1935. Class 49.

Wisconsin Cigar Co., Madison, Wis., to The American Tobacco Company, New York, N. Y., successor. Cigars, cheroots, and stogies. 44,029; renewed Jan. 24, 1935.

Wiskind Bros., Inc., Newark, N. J. Canned fruits, vegetables, fish, etc. 324,873; June 4; Serial No. 359,414; published Mar. 26, 1935. Class 46.

Wolf, Bernard M., doing business as Kodicon Products Co., Boston, Mass. Medicinal tablets. 324,852; June 4; Serial No. 360,386; published Mar. 19, 1935. Class 6.

Wood, J. R., & Sons, Inc., Brooklyn, N. Y. Jewelry. 324,943; June 4; Serial No. 360,446; published Mar. 26, 1935. Class 28.

Woodworth, Thomas W., doing business as Becker's Bakery, Spartanburg, S. C. Bread. 324,803; June 4. Serial No. 354,968; published Mar. 26, 1935. Class 46.

Wooster Preserving Co., The. (See New Wooster Preserving Co., The.)

Worth, assignor to Societe Worth, Paris, France. Gowns, mantles, garments made of fur, underwear for women. 96,618; renewed Apr. 21, 1934.

Yeckes Co., Inc., New York, N. Y. Textile fabrics made of rayon, cotton, and linen. 324,866; June 4; Serial No. 360,016; published Mar. 26, 1935. Class 42.

Young, Carl. R., Bristol, Tenn. Coffee. 324,804; June 4; Serial No. 354,740; published Mar. 26, 1935. Class 46.

Zechnowitz, Samuel, assignor to Consolidated Tea Co. Inc., New York, N. Y. Tea. 103,987; renewed Apr. 20, 1935.

LIST OF REGISTRANTS OF LABELS

American Tissue Mills, Holyoke, Mass. Do Sliced Bread. For Bread. 45,694; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin the Modern Insect Killer, as Fragrant as Flowers in May for Use in House and Garden. For an Insect Killer. 45,695; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Household Insect Killer. For an Insect Killer. 45,696; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Floor Dressing. For a Floor Dressing. 45,697; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Tux Cattle Fly Killer. For a Fly Killer. 45,698; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Rufedes Rat Killer. For a Poison for Rats and Mice. 45,699; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Crow Dope. For a Preparation for Protecting Seed Corn Against Crows and Other Pests. 45,700; June 4.

Baldwin Laboratories, Inc., Saegertown, Pa. Tux Crow Dope. For a Preparation for Protecting Seed Corn in the Ground Against Crows, Pheasants, Blackbirds, Worms and Other Pests. 45,701; June 4.

Berghoff Brewing Corporation, Fort Wayne, Ind. Berghoff, A Real Honest Brew, (Neck Label). For Beer. 45,702; June 4.

Borden Western Company, The, San Francisco, Calif. Maricopa Brand Irradiated Evaporated Milk. For Evaporated Milk. 45,703; June 4.

Brault, Alfred A., St. Paul, Minn. Slip-ry-liz. For Straight Bourbon Whiskey. 45,704; June 4.

Burgess Battery Company, Freeport, Ill. Burgess Twin-Six Telephone Battery. For Telephone Batteries. 45,705; June 4.

Burgess Battery Company, Freeport, Ill. Burgess Little-Six Battery. For Electric Batteries. 45,706; June 4.

Clay's Medicine Co. (See Kieffer, Myrtle C.)

Cleveland Home Brewing Company, The, Cleveland, Ohio. Black Forest (Forest Scene). For Beer. 45,707; June 4.

Cleveland Home Brewing Company, The, Cleveland, Ohio. Black Forest (Ram Design-Castle Scene). For Bock Beer. 45,708; June 4.

Cleveland Home Brewing Company, The, Cleveland, Ohio. Black Forest (Castle Scene). For Beer. 45,709; June 4.

Continental Paper & Bag Corporation, New York, N. Y. Coffee, Design 'N'. For Coffee. 45,710; June 4.

Crown Cork & Seal Company, Inc., Baltimore, Md. Mason Lids. For Replacement Lids for Mason Jar Caps. 45,711; June 4.

Dairy Sealed, Inc., Ozone Park, N. Y. Dairy Sealed, Inc. Pasteurized Grade B Heavy Cream. For Pasteurized Grade B Heavy Cream. 45,712; June 4.

Davis, Howard W., doing business as The Nevlo Company, San Antonio, Tex. Nevlo. For Nerve Sedative and Hypnotic. 45,713; June 4.

Foster & Cross, Inc., Brooklyn, N. Y. Ice Cream. For Ice Cream. 45,714; June 4.

Foster and Wood Canning Co., Lodi, Calif. Dutch Treat. For Canned Sliced Yellow Cling Peaches. 45,715; June 4.

Goldenberg, D., Inc., Philadelphia, Pa. Goldenberg's "Kreem Maid" Fudge. For Fudge. 45,716; June 4.

Hazard Lead Works Inc., The, Brooklyn, N. Y. Haz-a-Lustre. For Varnish Stain. 45,717; June 4.

Hazard Lead Works Inc., The, Brooklyn, N. Y. Haz-a-Var. For Varnish. 45,718; June 4.

Hygiene Manufacturing Co., Inc., Dallas, Tex. Femicione. For a Medicinal Powder Especially Prepared for Feminine Hygiene. 45,719; June 4.

Hygiene Products Company, The, Canton, Ohio. Sani-Flush. For Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. 45,720; June 4.

International Paper Company, New York, N. Y. Planned Garden No. 30. For Garden Layouts. 45,721; June 4.

International Paper Company, New York, N. Y. Planned Garden No. 18. For Garden Layouts. 45,722; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Swimming—Save a Split Second. For Ready-to-Eat Cereal Foods. 45,723; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Swimming—Practice Surface Diving. For Ready-to-Eat Cereal Food. 45,724; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes Swimming—How Do You Breathe. For Ready-to-Eat Cereal Food. 45,725; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Swimming—About Leg Thrash. For Ready-to-Eat Cereal Food. 45,726; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Baseball—Know the Batter. For Ready-to-Eat Cereal Food. 45,727; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Baseball—One Out. For Ready-to-Eat Cereal Food. 45,128; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Baseball—Watch Those Hitters. For Ready-to-Eat Cereal Food. 45,729; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Baseball—Slide to the Bag. For Ready-to-Eat Cereal Food. 45,730; June 4.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes—Baseball—Learn to Bat. For Ready-to-Eat Cereal Food. 45,731; June 4.

Kenny, C. D., Company, Baltimore, Md. Coffee. For Coffee. 45,732; June 4.

Kieffer, Myrtle C., doing business as Clay's Medicine Co., Savannah, Ga. Clay's Medicine. For a Medicinal Preparation Beneficial in the Treatment of Muscular Aches and Pains, Muscular Lumbago, and Gout. 45,733; June 4.

Long, W. E., Co., The, Chicago, Ill. Half and Half Half Milk Bread—Half Cracked Wheat. For Bread. 45,734; June 4.

McAllister, Andrew W., Los Angeles, Calif. Hollywood Sport Pin. For Sport Pins. 45,735; June 4.

Meccano Company of America, Inc., The, New Haven, Conn., and New York, N. Y. Meccano-Morecraft. For Toy Construction Sets. 45,736; June 4.

Mechling Brothers Chemicals Company, Camden, N. J. Mechling's Sulforote. For Insecticide. 45,737; June 4.

Menasha Products Company, The, Menasha, Wis. Creamery Butter. For Butter. 45,738; June 4.

Mid-States Gummed Paper Co., Chicago, Ill. Green Core Ultra-Pliable. For Gummed Paper Tape. 45,739; June 4.

Nevlo Company, The. (See Davis, Howard W., assignor.)

Pacific Beverage Distributors, Ltd., Los Angeles, Calif. Kentucky Rebel. For Straight Bourbon Whiskey. 45,740; June 4.

Patent Engineering Co., Chicago, Ill. Re-Kop Rummy. For Card and Board Game. 45,741; June 4.

Payne, Victor A., doing business as Sunwash Process Co., Detroit, Mich. Sunwash. For Washing Solution. 45,742; June 4.

Philo, Union City, N. J. Beware! Fidelitis—Nu-Eze Nature's Foot Salt for Foot Comfort. For Foot Salt. 45,743; June 4.

Poultrymen's Cooperative Association of Southern California, Los Angeles, Calif. Producer's Own. For Eggs. 45,744; June 4.

Price Bros., Boston, Mass. Zamora Wine. For Wine. 45,745; June 4.

Reed Candy Company, Chicago, Ill. The Scotch Digest by Reed. For Candy—Namely, Butter-Scotch. 45,746; June 4.

Salada Tea Co. (Inc.), Boston, Mass. 'Salada' Orange Pekoe & Pekoe. For Tea. 45,747; June 4.

Salada Tea Co. (Inc.), Boston, Mass. 'Salada' Tea Bags. For Tea Bags. 45,748; June 4.

Silver King Canning Company, Inc., Kansas City, Mo. Pride of America Dog & Cat Food. For Dog and Cat Food. 45,749; June 4.

Skull Piston Manufacturing Company, Los Angeles, Calif. Skull Piston Rings—Death to Oil Trouble. For Piston Rings. 45,750; June 4.

Southern Style Foods, Inc., Nashville, Tenn. Drumwright's Old Fashioned Southern Style Pork Barbecue. For a Pork Product. 45,751; June 4.

Star Brewery Company, Vancouver, Wash. Dated Beer. For Beer. 45,752; June 4.

Ste Pierre Smirnoff Fils, Incorporated, New York, N. Y. Ste Pierre Smirnoff Fils, No. 21. For Vodka. 45,753; June 4.

Ste Pierre Smirnoff Fils, Incorporated, New York, N. Y. Ste Pierre Smirnoff Fils. For Vodka. 45,754–5; June 4.

Ste Pierre Smirnoff Fils, Incorporated, New York, N. Y. Ste Pierre Smirnoff Fils. For an Aperitif. 45,756; June 4.

Stein, Alvin E., doing business as The Zip-O-Graf Company, Buffalo, N. Y. Zip-O-Graf. For an Engine Lubricant Which Forms a Protective Film on all Moving Parts. 45,757; June 4.

Sunwash Process Co. (See Payne, Victor A.)

Sutherland Paper Company, Kalamazoo, Mich. Butter No. 481 O-S. For Butter. 45,758; June 4.

Sutherland Paper Company, Kalamazoo, Mich. John Alden Brand Fancy Boneless Codfish. For Codfish. 45,759; June 4.

Sutherland Paper Company, Kalamazoo, Mich. Selected Mushrooms No. 33 F. P. For Mushrooms. 45,760; June 4.

Vac-Made Foods Corporation Chicago, Ill. Vac-Maid Sweet Chocolate Flavored Malted Milk. For Malted Milk. 45,761; June 4.

Wexberg, H. M., Chicago, Ill. Union-Label the Seal of Quality. For Straight Whiskey. 45,762; June 4.

Wrigley, Wm., Jr., Company, Chicago, Ill. Wrigley's Juicy Fruit Gum. For Chewing Gum. 45,763; June 4.

Zip-O-Graf Company, The. (See Stein, Alvin E.)

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. We're Not Given to Trailing After Trends. For Carpets and Rugs. 15,182; June 4.

Continental Products, Inc., Chicago, Ill. Columbia First Line Tires. For Tires. 15,183; June 4.

General Mills, Inc., Minneapolis, Minn. What to do When Your Child's Taste Gets "Cereal Jaded". For Cereal Food. 15,184; June 4.

General Mills, Inc., Minneapolis, Minn. A Friendly Challenge to Women Whose Husbands Like Strawberry Shortcake. For Biscuit Flour. 15,185; June 4.

Goodrich, B. F., Corporation, The, Akron, Ohio. I See Plenty of Wrecks but Blow-Out Accidents Turn My Blood Cold! (Ad. No. GBC–50.) For Rubber Tires. 15,186; June 4.

Hills Bros., San Francisco, Calif. "Coffee-Floaters" Never Too Young to Learn. For Coffee. 15,187; June 4.

Hills Bros., San Francisco, Calif. Post-Mortem on "Coffee-Floating". For Coffee. 15,188; June 4.

Hills Bros., San Francisco, Calif. Bill Banks Sounds Off About "Coffee-Floating". For Coffee. 15,189; June 4.

Hills Bros., San Francisco, Calif. Happy Ending to "Coffee-Floating". For Coffee. 15,190; June 4.

Hills Bros., San Francisco, Calif. "Coffee-Floating" Golfers Get Out of Rough. For Coffee. 15,191; June 4.

Hills Bros., San Francisco, Calif. An Object Lesson in "Coffee-Floating". For Coffee. 15,192; June 4.

Hills Bros., San Francisco, Calif. Takes Grand Slam at "Coffee-Floating". For Coffee. 15,193; June 4.

Hills Bros., San Francisco, Calif. Camera-Man Opposes "Coffee-Floating". For Coffee. 15,194; June 4.

Hills Bros., San Francisco, Calif. Retired Sailor Balks at "Coffee-Floating". For Coffee. 15,195; June 4.

Hills Bros., San Francisco, Calif. Saturday Shopping Show-Down on "Coffee-Floating". For Coffee. 15,196; June 4.

Hills Bros., San Francisco, Calif. Mother-in-Law Helps "Coffee-Floating" Bride. For Coffee. 15,197; June 4.

Hills Bros., San Francisco, Calif. Mr. B Sits Down on "Coffee-Floating". For Coffee. 15,198; June 4.

Jantzen Knitting Mills, Portland, Oreg. Jantzen Trunks with Sunuka Support. For Swimming Trunks. 15,199; June 4.

Lowe, Joe, Corporation, New York, N. Y. Twin Popsicle Healthful—5¢. For Frozen Confections. 15,200; June 4.

Lowe, Joe, Corporation, New York, N. Y. It's Twins—Twin Popsicle. For Frozen Confections. 15,201; June 4.

Lowe, Joe, Corporation, New York, N. Y. Ice Cold Twin Popsicle Refreshing 5¢. For Frozen Confections. 15,202; June 4.

Lowe, Joe, Corporation, New York, N. Y. Twin Popsicle Healthful. For Frozen Confections. 15,203; June 4.

Lowe, Joe, Corporation, New York, N. Y. Refreshing! Ice Cold—Long Lasting Twin Popsicle Giant 5¢ Value. For Frozen Confections. 15,204; June 4.

Lowe, Joe, Corporation, New York, N. Y. Big Double Feature Twin Popsicle, Healthful Refreshing 5¢. For Frozen Confections. 15,205; June 4.

Lowe, Joe, Corporation, New York, N. Y. Banana Twin Popsicle. For Frozen Confections. 15,206; June 4.

Lowe, Joe, Corporation, New York, N. Y. Orange Full Flavored Twin Popsicle. For Frozen Confections. 15,207; June 4.

Premier-Pabst Corporation, Peoria Heights, Ill. "Billboards" Ben Bernie "National Magazine Advertising All Working for You. For Beer and Ale. 15,208; June 4.

Premier-Pabst Corporation, Peoria Heights, Ill. You Are Invited to Take Part in National Blue Ribbon Malt Week April 14th to 20th. For Malt Extract. 15,209; June 4.

Premier-Pabst Corporation, Peoria Heights, Ill. National Blue Ribbon Malt Week April 14th to 20th. For Malt Extract. 15,210; June 4.

Premier-Pabst Corporation, Peoria Heights, Ill. Your Customers Just Naturally Want "The Mosta of the Besta" for Their Money. For Malt Extract. 15,211; June 4.

Rytex Company, The, Indianapolis, Ind. Gretna-Green Wedding Stationery. For Wedding Stationery. 15,212; June 4.

Taylor, Thomas D., Philadelphia, Pa. Money-Back Guarantee Quality Wants No Results No Pay. For Prints and Publications. 15,213; June 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Furs. Joseph Hollander, Inc. 324,854; June 4; Serial No. 360,315; published Mar. 26, 1935.

Seeds. Illinois Seed Co. 104,023; renewed Apr. 27, 1935.

Seeds and seed grain. Field and grass. Illinois Seed Co. 104,020–2; renewed Apr. 27, 1935.

Seeds and seed-grain. Field and grass. Illinois Seed Co. 104,024; renewed Apr. 27, 1935.

Seeds and seed-grain, and pasture and lawn mixture. Field and grass. Illinois Seed Co. 105,536; renewed Aug. 3, 1935.

Silver lead, Ceylon plumbago, and flake graphite. East India. H. M. Riddle. 106,180; renewed Oct. 12, 1935.

CLASS 2

Bags, Garment. Clopay Corporation. 324,978–81; June 4; Serial Nos. 360,762–5; published Mar. 26, 1935.

Bags, Garment. Clopay Corporation. 324,982; June 4; Serial No. 360,760; published Mar. 26, 1935.

Bags, Garment. Clopay Corporation. 324,982–4; June 4; Serial Nos. 360,755–6; published Mar. 26, 1935.

Casings, Cellulose sausage. Sylvania Industrial Corporation. 324,881; June 4; Serial No. 359,063; published Mar. 26 1935.

Pails of cardboard, Ice cream. Bloomer Bros. Company. 324,818; June 4; Serial No. 358,039; published Mar. 26, 1935.

CLASS 4

Chemical preparation having the same general use as soap. Donk Company. 324,846; June 4; Serial No. 359,531; published Mar. 26, 1935.

Cleaner compound for upholstery, tapestries, draperies, etc. Nu-Dl Products Company. 324,964; June 4; Serial No. 360,442; published Mar. 26, 1935.

Cleaner for elastic and textile fabrics. B. E. Black. 324,903; June 4; Serial No. 361,310; published Mar. 26, 1935.

Cleaner for enamel and porcelain. G. A. Pawley. 324,811; June 4; Serial No. 358,650; published Mar. 26, 1935.

Paste, Windshield. Chicago Hydraulic Oil Company. 324,933; June 4; Serial No. 360,880; published Mar. 26, 1935.

Polish and shoe lotion cream preparation, Shoe. Manhattan Kreole Products, Inc. 324,953; June 4; Serial No. 359,995; published Mar. 26, 1935.

Soap. Sherwin-Williams Co. 324,988; June 4; Serial No. 360,686; published Mar. 26, 1935.

Soap, Beauty. Los Angeles Soap Co. 324,911; June 4; Serial No. 361,175; published Mar. 26, 1935.

Washing compounds. H. E. Snyder. 104,487; renewed June 1, 1935.

CLASS 6

Antacid and digestant preparation. K. Beahure; 324,869; June 4; Serial No. 360,616; published Mar. 26, 1935.
Boric acid, bicarbonate of soda, epsom salt, etc. Alter & Co. 324,849; June 4; Serial No. 359,495; published Mar. 26, 1935.
Cream or ointment to stimulate the growth of the hair and avoid baldness; I. Mezquida; 324,801; June 4; Serial No. 355,084; published Mar. 26, 1935.
Creams, facial lotions, etc., Viviny Perfumers, Inc. 324,795; June 4; Serial No. 352,037; published Aug. 21, 1934.
Deodorants. Cosmos Chemical Corporation. 324,868; June 4; Serial No. 360,623; published Mar. 26, 1935.
Eau de Cologne. Jean Patou, Inc. 324,986; June 4; Serial No. 360,728; published Mar. 26, 1935.
Extracts in ampoule form for anaemia, obesity, etc. M. Fourcade. 324,993; June 4; Serial No. 360,631; published Mar. 26, 1935.
Gas absorbents. Dewey and Almy Chemical Company. 325,026; June 4.
Haarlem oil. C. E. Jamieson & Co. 324,919; June 4; 361,097; published Mar. 26, 1935.
Hair rinse. A. Lederman. 325,005; June 4.
Herbs, Medicinal. A. Switalski. 324,857; June 4; Serial No. 360,248; published Mar. 26, 1935.
Insecticide. J. Kulessa. 325,019; June 4.
Insecticides, fungicides, and flocculators. Sherwin-Williams Co. 324,989; June 4; Serial No. 360,685; published Mar. 26, 1935.
Intravenous solutions. Intravenous Products Co. of America, Inc. 324,936; June 4; Serial No. 360,540; published Mar. 26, 1935.
Iodin, Sterilized solution of. Sharp & Dohme. 106,185; renewed Oct. 12, 1935.
Lead oxide. Metals Refining Company. 324,815; June 4; Serial No. 358,379; published Mar. 19, 1935.
Liniment. S. Fargo. 104,718; renewed June 15, 1935.
Liquid and salve. J. Langan. 106,160; renewed Oct. 12, 1935.
Lotion, cold cream, face cream, etc., Skin. E. D. Openshaw. 324,794; June 4; Serial No. 353,349; published Mar. 19, 1935.
Lotions and cosmetics. Seligman & Latz. 324,813; June 4; Serial No. 358,530; published Mar. 19, 1935.
Medical preparation used as a tonic. Cooper Medicine Co. 104,379; renewed May 25, 1935.
Medicinal preparation. G. G. Repase. 324,809; June 4; Serial No. 358,701; published Mar. 19, 1935.
Medicinal preparation for athlete's foot. Tee-Pee Chemical Company. 324,828; June 4; Serial No. 355,694; published Mar. 26, 1935.
Medicinal preparation for cattle ailments. B. Gisler. 324,905; June 4; Serial No. 361,265; published Mar. 26, 1935.
Medicinal tablets. B. M. Wolf. 324,852; June 4; Serial No. 360,386; published Mar. 19, 1935.
Medicine, Tonic. Anglo-American Pharmaceutical Company. 104,084; renewed Apr. 27, 1935.
Mineral water crystals, Concentrated. H. I. Trout. 324,829; June 4; Serial No. 355,602; published Mar. 26, 1935.
Moth repellent. Ralph Gretsch & Co. 324,855; June 4; Serial No. 360,309; published Mar. 19, 1935.
Nail polish, and a liquid solvent for removing polish. Fort Orange Chemical Co. 324,835; June 4; Serial No. 359,791; published Mar. 19, 1935.
Oil, being a medicinal oil, Haarlem. Naamloose Vennootschap Maatschappij tot Voortsetting der Zaken Gedreven Onder den Naam Klaas Tilly. 324,819; June 4; Serial No. 358,023; published Mar. 26, 1935.
Ointment, Foot. K. E. Burtt. 324,799; June 4; Serial No. 351,253; published Mar. 19, 1935.
Ointment, Skin. I. G. Farbenindustrie Aktiengesellschaft. 324,991; June 4; Serial No. 360,634; published Mar. 26, 1935.
Perfumes. Agra Company. 106,084; renewed October 12, 1935.
Pills, Liver. Carter Medicine Company. 324,812; June 4; Serial No. 358,548; published Mar. 19, 1935.
Pomades. Newbro Manufacturing Company. 324,950; June 4; Serial No. 335,070; published May 22, 1934.
Powder for treatment of alcoholism. Western Chemicals, Inc. 324,939; June 4; Serial No. 360,511; published Mar. 26, 1935.
Powder used as surgical dressing. Dusting. Brothers Corporation. 324,830; June 4; Serial No. 359,844; published Mar. 19, 1935.
Preparation for destroying bad breath. National Licorice Company. 324,918; June 4; Serial No. 361,107; published Mar. 26, 1935.
Preparation for relief of simple headache, neuralgia, periodic pains, etc. G. H. French. 324,961; June 4; Serial No. 359,911; published Mar. 19, 1935.
Preparation for treatment of athlete's foot, etc. Fairyfoot Products Company. 324,874; June 4; Serial No. 359,391; published Mar. 26, 1935.
Preparation for treatment of coughs, colds and congestion. Valvoline Oil Company. 324,887; June 4; Serial No. 360,610; published Mar. 26, 1935.
Preparations containing radium. E. Schamberg. 104,992; renewed June 29, 1935.
Preparations for treating certain named affections. L. J. Montgomery. 103,268; renewed Mar. 23, 1935.
Remedy, Salts. S. Fargo. 103,849; renewed Apr. 20, 1935.
Skin preparation. J. H. Tuvin. 324,844; June 4; Serial No. 359,597; published Mar. 26, 1935.
Toilet water. Potter & Moore, Limited. 324,885; June 4; Serial No. 358,892; published Mar. 5, 1935.
Tonic. Dean Wallace Corporation. 324,934; June 4; Serial No. 360,578; published Mar. 26, 1935.
Tonics. E. Cera. 105,455; renewed July 27, 1935.
Veterinary products. Andersen-Smith Milling Co. 324,862; June 4; Serial No. 360,126; published Mar. 26, 1935.
Viruses, serums, toxins, etc. Parke, Davis & Co. 106,175; renewed Oct. 12, 1935.

CLASS 9

Revolvers. Smith & Wesson, Inc. 324,894; June 4; Serial No. 361,638; published Mar. 26, 1935.

CLASS 10

Fertilizer. Seminole Fertilizer Company. 324,925; June 4; Serial No. 361,028; published Mar. 26, 1935.
Fertilizer having germicidal properties. S. E. Marsico. 324,926; June 4; Serial No. 361,020; published Mar. 26, 1935.
Fertilizers. Old Buck Guano Co. 106,174; renewed Oct. 12, 1935.

CLASS 12

Insulating material for refrigerators, Heat. Grand Rapids Refrigerator Company. 103,695; renewed Apr. 13, 1935.
Material to be used as an ingredient for cement, masonry mortar, stucco, etc. Master Builders Company. 325,008; June 4.
Refractory material for use in furnaces. Quigley Company. 324,951; June 4; Serial No. 336,097; published Mar. 26, 1935.
Roof cement, asbestos fiber roof coating, and asphalt roof coating, Plastic. El Rey Products Co. 324,836; June 4; Serial No. 359,786; published Mar. 26, 1935.
Roof cement, Weather-proofing and water-proofing. M. Schecter. 325,029; June 4.
Roofing, Asphalt. Samson Plaster Board Company. 324,965–9; June 4; Serial Nos. 360,417–21; published Mar. 26, 1935.
Weatherstrips. E. D. Barringer. 324,954–5; June 4; Serial Nos. 359,981–2; published Mar. 26, 1935.

CLASS 13

Cooking utensils. Aluminum Goods Mfg. Co. 106,279; renewed Oct. 19, 1935.
Couplings, clamps, saddles, etc., for use on pipe, etc. National-Superior Company. 325,017; June 4.
Urns and pots, Gas and steam coffee. Waters-Genter Co., 324,912; June 4; 356,890; published Mar. 26, 1935.
Utensils formed of enameled base metal. Federal Enameling & Stamping Company. 325,001; June 4.
Valves, Remote controlled. Crane Packing Company. 325,003; June 4.

CLASS 14

Steel in the form of ingots, billets, bars, etc. Cleveland Twist Drill Company. 324,847; June 4; Serial No. 359,503; published Mar. 26, 1935.
Steel, Tool. Firth-Sterling Steel Company. 106,094; renewed Oct. 12, 1935.

CLASS 15

Greases and lubricants. M. R. Stroud. 103,574; renewed Apr. 6, 1935.
Oils and greases, Lubricating. Fiske Brothers Refining Co. 106,095; renewed Oct. 12, 1935.

CLASS 16

Paints and painters' materials. D-P-W Company. 102,648; renewed Feb. 16, 1935.
Varnishes, driers, paint oils, etc. W. P. Fuller & Co. 324,834; June 4; Serial No. 359,792; published Feb. 26, 1935.

CLASS 17

Cigars. Standard Cigar Company. 324,838; June 4; Serial No. 359,756; published Mar. 26, 1935.
Cigars, cheroots and stogies. Wisconsin Cigar Co. 44,029; renewed Jan. 24, 1935.
Tobacco. Macfa-Zimmer-McGill Tobacco Co. Incorporated. 106,075; Renewed Oct. 5, 1935.
Tobacco, Plug and twist. Taylor Brothers, Inc. 324,856; June 4; Serial No. 360,297; published Mar. 26, 1935.

CLASS 19

Air-brake apparatus and railway draft-gear. Westinghouse Air Brake Company. 106,386; renewed Oct. 19, 1935.
Sleds. S. L. Allen & Co. 104,116; renewed May 4, 1935.

CLASS 21

Battery boxes. Richardson Company. 324,904; June 4; Serial No. 361,285; published Mar. 26, 1935.
Electric arc lamps, Portable. National Carbon Company. 324,860; June 4; Serial No. 360,137; published Mar. 2, 1935.

Electric heating cups. Lacy Products Corp. 325,025; June 4.
Electric incandescent lamps. General Electric Company. 104,017; renewed Apr. 27, 1935.
Insulated wire. Westinghouse Electric & Manufacturing Company. 324,929; June 4; Serial No. 360,918; published Mar. 26, 1935.
Lamps, Electric floor and table. Artistic Brass & Bronze Works, Inc. 324,884; June 4; Serial No. 358,913; published Mar. 26, 1935.
Radio receiving and transmitting sets and parts thereof, and radio tubes. Silcox Radio & Television Corporation. 324,906; June 4; Serial No. 361,225; published Mar. 26, 1935.
Radio receiving sets and parts thereof. Rextron Radio Company. 324,908; June 4; Serial No. 361,189; published Mar. 26, 1935.
Spark plugs, ignition coils, automotive condensers. General Parts Manufacturing Company. 324,941; June 4; Serial No. 360,473; published Mar. 26, 1935.
Transformers, Universal power. General Transformer Corporation. 325,012; June 4.
Wire and cables, Insulated. Whitney Blake Company. 106,128; renewed Oct. 12, 1935.

CLASS 22

Amusement apparatus, Coin controlled. Exhibit Supply Company. 324,932; June 4; Serial No. 360,883; published Mar. 26, 1935.
Dolls and toys made of pyroxylin compounds. Rheinische Gummi-und Celluloid-Fabrik. 104,499; renewed June 1, 1935.
Game. Milton Bradley Company. 325,032; June 4.
Game. Werts Novelty Co. 324,783; June 4; Serial No. 354,542; published Mar. 26, 1935.
Game. Werts Novelty Co. 324,784–6; June 4; Serial No. 354,588–40; published Mar. 26, 1935.
Game. Werts Novelty Co. 324,787–90; June 4; Serial No. 354,533–6; published Mar. 26, 1935.
Game, Baseball score. Werts Novelty Co. 324,782; June 4; Serial No. 354,545; published Mar. 26, 1935.
Game, Board. Parker Brothers, Inc. 324,901; June 4; Serial No. 361,367; published Mar. 26, 1935.
Games. W. Chase. 324,990; June 4; Serial No. 360,663; published Mar. 26, 1935.
Games, toys, and sporting goods. United Drug Company. 104,657; renewed June 8, 1935.

CLASS 23

Knitting machines and parts thereof. Textile Machine Works. 325,009; June 4.
Shakers, separators, bull beaters, etc., for cotton seed; gin and linter saws. Carver Cotton Gin Company. 324,996; June 4.
Sprayers. Joseph Dixon Crucible Company. 324,938; June 4; Serial No. 360,514; published Mar. 26, 1935.
Steels, Butchers'. C. & A. Hoffman. 103,754; renewed Apr. 13, 1935.

CLASS 25

Locks and parts thereof. A. Karlsson. 324,900; June 4; Serial No. 361,420; published Mar. 26, 1935.

CLASS 26

Indicators. Fee & Stemwedel, Inc. 325,015; June 4.
Photographic supplies. Neue Photographische Gesellschaft Aktiengesellschaft. 105,119; renewed July 6, 1935.
X-Ray intensifying screens. Patterson Screen Company. 324,917; June 4; Serial No. 361,112; published Mar. 26, 1935.

CLASS 27

Clocks. E. Ingraham Company. 104,799; renewed June 15, 1935.
Clocks and watches. Western Clock Co. 106,385; renewed Oct. 19, 1935.

CLASS 28

Brooches, clip pins, finger rings, etc. Lester & Company. 324,876; June 4; Serial No. 359,361; published Mar. 26, 1935.
Flatware, Silver-plated table. R. Wallace & Sons Manufacturing Company. 325,036; June 4.
Jewelry. J. R. Wood & Sons, Inc. 324,943; June 4; Serial No. 360,446; published Mar. 26, 1935.
Jewelry and pearls. S. E. Weinreich. 324,839; June 4; Serial No. 359,687; published Mar. 26, 1935.
Jewelry and pearls. S. E. Weinreich. 324,841; June 4; Serial No. 359,688; published Mar. 26, 1935.

CLASS 30

Chinaware, porcelain ware, earthenware, etc. Pope-Gosser China Co. 324,962; June 4; Serial No. 359,896; published Mar. 26, 1935.

CLASS 32

Furniture. Samuel Schlossman Sons, Inc. 324,798; June 4; Serial No. 351,333; published Sept. 18, 1934.
Mattresses. Rose-Derry Corporation. 324,995; June 4.
Tables and table tops. International Nickel Company. 324,920; June 4; Serial No. 361,096; published Mar. 26, 1935.

CLASS 33

Glass coffee brewers. Universal Coffee Company. 324,987; June 4; Serial No. 360,602; published Mar. 26, 1935.
Glass, Raw. Schott & Gen. 103,970; renewed Apr. 20, 1935.

CLASS 34

Stokers, Coal. J. L. Pipe. 324,800; June 4; Serial No. 355,234; published Mar. 26, 1935.

CLASS 35

Friction material for brakes. Durwyllan Company. 325,007; June 4.
Inner tubes. Carlisle Tire & Rubber Co. 324,877; June 4; Serial No. 359,342; published Mar. 26, 1935.

CLASS 36

Accordions, mouth harmonicas, clarionets, etc. Buegeleisen & Jacobson. 324,810; June 4; Serial No. 358,669; published Mar. 26, 1935.

CLASS 37

Paper, and especially toilet paper, Tissue. Badger Tissue Mills. 324,848; June 4; Serial No. 359,498; published Mar. 26, 1935.
Paper and papeteries. White & Wyckoff Mfg. Company. 324,914; June 4; Serial No. 361,156; published Mar. 26, 1935.
Paper, Printing, writing and cover. Hudson Valley Paper Co. 106,442; renewed Oct. 19, 1935.
Paper, Tracing. Crane & Co. 106,090; renewed Oct. 12, 1935.
Paper, Wall. Henry Bosch Company. 325,022; June 4.
Paper, Waxed. Automatic Paper Machinery Company. 324,802; June 4; Serial No. 355,008; published Mar. 26, 1935.
Papers, Ledger, record, linen, etc. L. L. Brown Paper Company. 324,923–4; June 4; Serial No. 361,077–8; published Mar. 26, 1935.

CLASS 38

Column in newspapers. Puzzle. S. M. Greenwood. 324,931; June 4; Serial No. 360,885; published Mar. 26, 1935.
Periodical. M. L. Pumarejo. 324,888; June 4; Serial No. 360,605; published Mar. 26, 1935.
Publication. S. H. Silverman. 324,907; June 4; Serial No. 361,190; published Mar. 26, 1935.

CLASS 39

Apparel, Wearing. Franklin Simon. 106,807; renewed Oct. 26, 1935.
Boots, shoes, and slippers. W. L. Douglas Shoe Company. 324,858; June 4; Serial No. 360,219; published Mar. 26, 1935.
Brassières, girdles, and foundations. Adelcene Brassiere Co. 324,871; June 4; Serial No. 359,452; published Mar. 26, 1935.
Dresses, coats, sweaters, etc. Best & Co. Inc. 324,851; June 4; Serial No. 360,395; published Mar. 26, 1935.
Gloves, Leather. Heller Leather Corporation. 105,941; renewed Aug. 31, 1935.
Gowns, mantles, garments made of fur, underwear for women. Worth. 96,618; renewed Apr. 21, 1934.
Hats, Women's. D. Levin. 324,940; June 4; Serial No. 360,480; published Mar. 26, 1935.
Hats, Women's, misses' and girls'. Franklin Shops, Inc. 324,863; June 4; Serial No. 360,094; published Mar. 26, 1935.
Hose, Golf. Chas. Chipman's Sons Co. 325,014; June 4.
Hosiery. Fisher Hosiery Co. Inc. 325,004; June 4.
Hosiery, underwear, sweaters, etc. H. W. Fitzhugh. 325,000; June 4.
Knickers, sport, riding, and golf trousers, and trousers, Golf. H. Lissner Company. 325,020; June 4.
Pajamas and undergarments, Ladies. H. & H. Mfg. Co. 324,937; June 4; Serial No. 360,536; published Mar. 26, 1935.
Shirts and collars, Negligee. Manhattan Shirt Co. 324,910; June 4; Serial No. 361,176; published Mar. 26, 1935.
Shoes. Buckingham & Hecht. 324,837; June 4; Serial No. 359,777; published Mar. 26, 1935.
Shoes. Edison Brothers Stores, Inc. 324,875; June 4; Serial No. 359,390; published Mar. 26, 1935.
Shoes, Miles Shoes, Inc. 324,930; June 4; Serial No. 360,893; published Mar. 26, 1935.
Shoes, Women's. O'Connor & Goldberg. 324,963; June 4; Serial No. 359,857; published Mar. 12, 1935.
Shoes, Women's leather. Bancroft-Walker Company. 324,865; June 4; Serial No. 360,022; published Mar. 26, 1935.
Slips, pajamas, and night gowns. David Korn & Co. Inc. 325,021; June 4.
Soles. Lima Cord Sole and Heel Company. 324,970; June 4; Serial No. 360,412; published Mar. 26, 1935.
Suits, dresses, and sweaters, Knitted. Knit Sportswear Co. 325,027; June 4.
Underwear and hosiery. Mayo Mills. 105,517; renewed Aug. 3, 1935.
Underwear and slips, Ladies'. Irvington Underwear Co. 325,031; June 4.
Underwear, Women's, misses', and children's knitted. Carl Gutman & Co. 104,003; renewed Apr. 27, 1935.

CLASS 40

Fasteners for buckles, etc. Ferrand & Suddards Limited. 324,886; June 4; Serial No. 358,770; published Mar. 26, 1935.
Fasteners, Snap. Autoyre Company. 324,840; June 4; Serial No. 359,689; published Mar. 26, 1935.

CLASS 41

Umbrellas. T. F. Little, Sr. 324,999; June 4.
Umbrellas and parasols. James McCutcheon & Co. 324,935; June 4; Serial No. 360,573; published Mar. 19, 1935.

CLASS 42

Cotton goods in the piece. Palatine Corporation. 324,853; June 4; Serial No. 360,371; published Mar. 26, 1935.
Cotton piece goods. Elms & Sellon. 96,656; renewed Apr. 28, 1934.
Handkerchiefs. Manhattan Shirt Co. 324,974; June 4; Serial No. 360,852; published Mar. 26, 1935.
Piece goods. Henry Glass & Co. 325,037; June 4.
Piece goods of cellulose derivatives. Celanese Corporation of America. 324,972; June 4; Serial No. 360,399; published Mar. 19, 1935.
Piece goods, pillow cases, and sheets, Cotton. Wamsutta Mills. 324,825; June 4; Serial No. 356,240; published Mar. 26, 1935.
Rugs and carpets. Bigelow-Sanford Carpet Co. 325,013; June 4.
Sheets and pillow cases. Cannon Mills Company. 324,850; June 4; Serial No. 360,307; published Mar. 26, 1935.
Sheets and pillow cases. Cannon Mills Company. 324,973; June 4; Serial No. 360,398; published Mar. 26, 1935.
Textile fabrics made of rayon, cotton and linen. Yeckes Co. 324,866; June 4; Serial No. 360,016; published Mar. 26, 1935.
Tickings. Rideman-Sallucci Company. 324,883; June 4; Serial No. 359,004; published Mar. 26, 1935.
Woolen piece goods. Carlton Mills Co. 324,861; June 4; Serial No. 360,130; published Mar. 26, 1935.
Woolen piece goods. E. De Montagnac & Fils. 324,985; June 4; Serial No. 360,711; published Mar. 26, 1935.

CLASS 43

Yarns, Knitting. Gold Medal Yarn Company. 325,016; June 4.

CLASS 44

Absorbent cotton, gauze bandages, etc. Forest City Rubber Company. 324,859; June 4; Serial No. 360,170; published Mar. 26, 1935.

CLASS 45

Ginger-ale, sarsaparilla, birch-beer, etc. Clicquot Club Company. 106,144; renewed Oct. 12, 1935.

CLASS 46

Baking powder, canned fruit, vegetables, soup, etc. Simon Bros. Co. 324,814; June 4; Serial No. 358,390; published Mar. 26, 1935.
Bread. T. W. Woodworth. 324,803; June 4; Serial No. 354,968; published Mar. 26, 1935.
Cakes. Best Products Company. 324,902; June 4; Serial No. 361,353; published Mar. 26, 1935.
Canned dog and cat food. Doyle Packing Company. 324,895; June 4; Serial No. 361,519; published Mar. 26, 1935.
Canned fish and vegetables. J. H. Mercian. 106,077; renewed Oct. 5, 1935.
Canned fruits, vegetables, fish, etc. Wiskind Bros., Inc. 324,873; June 4; Serial No. 359,414; published Mar. 26, 1935.
Canned peas. San Juan Islands Cannery. 324,791; June 4; Serial No. 354,450; published Mar. 26, 1935.
Chocolate. Runkel Brothers, Inc. 324,976; June 4; Serial No. 360,793; published Mar. 26, 1935.
Chocolate and chocolate candy, Eating. D. Ghirardelli Co. 104,424; renewed Oct. 19, 1935.
Chocolate preparation. Jel Bert Co. 324,947; June 4; Serial No. 343,454; published Mar. 26, 1935.
Coffee. F. de Rosa. 324,915; June 4; Serial No. 361,147; published Mar. 26, 1935.
Coffee. C. R. Young. 324,804; June 4; Serial No. 354,740; published Mar. 26, 1935.
Coffee and tea. Holbrook Grocery Co. 104,560–1; renewed June 1, 1935.
Coffee and tea. Holbrook Grocery Co. 105,482; renewed July 27, 1935.
Coffee, Roasted. Querbacker Coffee Co. Incorporated. 104,028; renewed Apr. 27, 1935.
Confection. Pass and Williamson, Inc. 324,897; June 4; Serial No. 361,478; published Mar. 26, 1935.
Crackers. Beacon-Gale Corporation. 324,975; June 4; Serial No. 360,837; published Mar. 26, 1935.
Extracts, Flavoring. F. E. Barr. 103,845; renewed Apr. 20, 1935.
Flour, Wheat. Giessing Milling Co. 324,992; June 4; 360,652; published Mar. 26, 1935.
Flour, Wheat. Montana Flour Mills Company. 105,859; renewed Aug. 24, 1935.
Flour, Wheat. Statesville Flour Mills Company. 324,805; June 4; Serial No. 350,402; published Mar. 26, 1935.
Flour, Wheat. J. I. Triplett. 106,383; renewed Oct. 19, 1935.
Flour, Wheat, graham, pancake, etc. E. O. Harris. 104,725 renewed June 15, 1935.
Food, Cereal breakfast. Earle-Chesterfield Mill Co. 324,893; June 4; Serial No. 357,194; published Mar. 26, 1935.
Foods. Habicht, Braun & Co. 106,431; renewed Oct. 19, 1935.
Foods. Lippincott & Co. 103,437; renewed Apr. 6, 1935.
Foods. New Wooster Preserving Co. 106,110; renewed Oct. 12, 1935.
Foods. Vittucci Importing Co. 102,823; renewed Feb. 23, 1935.
Fruits and vegetables, etc., Fresh boxed and canned. Progreso Texas Citrus Growers' Association. 324,824; June 4; Serial No. 357,350; published Mar. 26, 1935.
Fruits, Fresh boxed citrus. Progreso Texas Citrus Growers' Association. 324,823; June 4; Serial No. 357,351; published Mar. 26, 1935.
Fruits, Fresh citrus. Mount Dora Citrus Growers Association. 324,909; June 4; Serial No. 361,179; published Mar. 26, 1935.
Fruits, Fresh citrus. Progreso Texas Citrus Growers' Association. 324,892; June 4; Serial No. 357,349; published Mar. 26, 1935.
Fruits, Fresh deciduous. Sgobel & Day. 324,916; June 4; Serial No. 361,124; published Mar. 26, 1935.
Grapes, Fresh. G. Continente. 324,880; June 4; Serial No. 359,080; published Mar. 26, 1935.
Ice cream, butter, eggs, and coffee. Farmstead, Inc. 354,921–2; June 4; Serial No. 361,083–4; published Mar. 26, 1935.
Juices of citrous fruits. D. E. Kastner. 324,870; June 4; Serial No. 359,468; published Mar. 26, 1935.
Malt and cocoa food beverage preparation. Heyman Process Corporation. 324,790; June 4; Serial No. 352,642; published Mar. 26, 1935.
Mayonnaise, salad dressing, sandwich spread, etc. Standard Nut Margarine Company. 325,028; June 4.
Milk. Dellwood Dairy Co. Inc. 324,889; June 4; Serial No. 360,580; published Mar. 26, 1935.
Milk, cream, and buttermilk. Meyer Sanitary Milk Company. 324,826; June 4; Serial No. 356,150; published Mar. 26, 1935.
Mushrooms, Prepared. Meyer & Lange, Inc. 324,960; June 4; Serial No. 359,921; published Mar. 26, 1935.
Syrup, Chocolate flavored. Bowey's, Inc. 324,816; June 4; Serial No. 358,354; published Mar. 26, 1935.
Tea. S. Zechnowitz. 103,987; renewed Apr. 20, 1935.
Vegetables, Fresh. D'Arrigo Bros. Co. 324,896; June 4; Serial No. 361,517; published Mar. 26, 1935.
Wafers. Cubbison Cracker Co. 324,971; June 4; Serial No. 360,403; published Mar. 26, 1935.

CLASS 47

Wine. Judge & Dolph, Ltd. 324,927; June 4; Serial No. 360,966; published Mar. 26, 1935.
Wine. B. Larrain. 324,833; June 4; Serial No. 359,801; published Mar. 26, 1935.
Wine. J. P. Polito. 325,018; June 4.
Wines. J. de Burgos Luque. 324,890; June 4; Serial No. 356,484; published Mar. 26, 1935.
Wines. Morin Père et Fils. 324,948; June 4; Serial No 341,928; published Mar. 26, 1935.
Wines. Taylor Wine Company. 325,033; June 4.

CLASS 48

Beers and ales. Llon Brewery of New York City. 324,898–9; June 4; Serial No. 361,424–5; published Mar. 26, 1935.
Malt beverages. Narragansett Brewing Company. 324,797; June 4; Serial No. 351,041; published Dec. 11, 1934.
Malt beverages. Schatz-Brau Brewing Company. 324,949; June 4; Serial No. 340,417; published Mar. 26, 1935.

CLASS 49

Brandies and anisettes. L. Hermanos. 324,946; June 4; Serial No. 345,426; published Mar. 26, 1935.
Brandy, whiskey, gin, etc. J. de Burgos Luque. 324,891; June 4; Serial No. 356,483; published Mar. 26, 1935.
Cognacs, alcoholic cordials, whisky, etc. J. Calvet & Cie., S. A. R. L. 324,806; June 4; Serial No. 350,176; published Mar. 26, 1935.
Cordials. Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies, Société Anonyme. 324,820–1; June 4; Serial No. 357,980–1; published Mar. 26, 1935.
Gin. John Heidsik Company. 324,808; June 4; Serial No. 349,086; published July 3, 1934.
Gin. Johnson Wholesale Perfume Co. 324,913; June 4; Serial No. 356,524; published Mar. 26, 1935.
Gin. National Wholesale Liquor Co. 324,959; June 4; Serial No. 359,936; published Mar. 26, 1935.
Gin. Vauxhall Distributors Ltd. 324,872; June 4; Serial No. 359,447; published Mar. 26, 1935.
Gin, whiskey, and brandy. Scottish Importing Corp. 324,842; June 4; Serial No. 359,676; published Mar. 26, 1935.
Rum. A. & G. J. Caldwell, Inc. 324,845; June 4; Serial No. 359,571; published Mar. 26, 1935.

Rum. A. & G. J. Caldwell, Inc. 324,879; June 4; Serial No. 359,207; published Mar. 26, 1935.
Rum, brandy, whiskey, etc. Asturr Trading Company. 325,023; June 4.
Whiskey. Century Distilling Co. 324,994; June 4.
Whiskey. Century Distilling Co. 325,038–9; June 4.
Whiskey. James Clark Distilling Corporation. 325,006; June 4.
Whiskey. Continental Distilling Corporation. 325,010–11; June 4.
Whiskey. Frankfort Distilleries, Incorporated. 324,944; June 4; Serial No. 346,634; published Mar. 26, 1935.
Whiskey. Hearn Department Stores, Inc. 324,864; June 4; Serial No. 360,033; published Mar. 26, 1935.
Whiskey. Maryland Distillery, Incorporated. 324,807; June 4; Serial No. 350,043; published May 22, 1934.
Whiskey. Maryland-Pikesville Distillery, Inc. 324,792; June 4; Serial No. 354,090; published Mar. 26, 1935.
Whiskey. Provincial Distilleries Ltd. Inc. 324,928; June 4; Serial No. 360,940; published Mar. 26, 1935.
Whiskey. Edward Simpson & Co. (Distillers) Limited. 324,827; June 4; Serial No. 355,986; published Mar. 26, 1935.
Whiskey. E. L. Spellman Co. 324,882; June 4; Serial No. 350,012; published Mar. 26, 1935.
Whiskey. Hiram Walker & Sons Limited. 324,867; June 4; Serial No. 360,010; published Mar. 26, 1935.
Whiskey. W. & H. Walker, Inc. 325,035; June 4.
Whiskey. Weideman Co. 324,831; June 4; Serial No. 359,824; puulished Mar. 26, 1935.
Whiskey, American rye and bourbon. Kraus Bros. & Co. 325,024; June 4.
Whiskey and gin. Baltimore Liquors, Inc. 325,002; June 4.
Whiskey and gin. West Penn Distilling Company Inc. 324,822; June 4; Serial No. 357,932; published Mar. 26, 1935.
Whiskey, brandy, cognac, gin, etc. Strohmeyer & Arpe Company. 324,878; June 4; Serial No. 359,327; published Mar. 26, 1935.
Whiskey, brandy, gin, etc. Milton S. Kronheim Co. 324,997; June 4.
Whiskey, brandy, gin, etc. Jas. E. Pepper & Company. 324,998; June 4.
Whiskey, gin, and brandy. Raritan Distillers Corp. 324,977; June 4; Serial No. 360,789; published Mar. 26, 1935.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 324,957–8; June 4; Serial Nos. 359,944–5; published Mar. 26, 1935.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 325,030; June 4.
Whiskies. J. B. Lawson. 324,945; June 4; Serial No. 345,778; published Mar. 26, 1935.
Whiskies. H. Schmidt. 324,952; June 4; Serial No. 359,909; published Mar. 26, 1935.
Whisky. H. McKenna, Incorporated. 324,832; June 4; Serial No. 359,807; published Mar. 26, 1935.
Whisky. W. Stein. 324,817; June 4; Serial No. 358,298; published Mar. 26, 1935.
Whisky. R. C. Williams & Company. 324,956; June 4; Serial No. 359,973; published Mar. 26, 1935.
Whisky, brandy, and rum. Cluff and Pickering, Ltd. 325,034; June 4.

CLASS 50

Incubators. Spratt's Patent (America) Limited. 106,082; renewed October 5, 1935.
Printing plates, Half tone. Cellograph Corporation of America. 324,942; June 4; Serial No. 360,460; published Mar. 26, 1935.
Shoe lasts and shoe last blanks, Metal. S. Kurlan. 324,793; June 4; Serial No. 353,610; published Mar. 26, 1935.
Stoppers, discs, and joints made of cork. R. B. Bruguera. 324,781; June 4; Serial No. 354,596; published Mar. 26, 1935.

LIST OF LABELS

Berghoff, a Real Honest Brew (neck label). For Beer. Berghoff Brewing Corporation. 45,702; June 4.
Beware! Fidgitis—Nu-Eze Nature's Foot Salt for Foot Comfort. For Foot Salt. Philo. 45,743; June 4.
Black Forest (castle scene). For Beer. Cleveland Home Brewing Company. 45,709; June 4.
Black Forest (forest scene). For Beer. Cleveland Home Brewing Company. 45,707; June 4.
Black Forest (ram design-castle scene). For Bock Beer. Cleveland Home Brewing Company. 45,708; June 4.
Burgess Little-Six Battery. For Electric Batteries. Burgess Battery Company. 45,706; June 4.
Burgess Twin-Six Telephone Battery. For Telephone Batteries. Burgess Battery Company. 45,705; June 4.
Butter No. 481 O-S. For Butter. Sutherland Paper Company. 45,758; June 4.
Clay's Medicine. For a Medicinal Preparation Beneficial in the Treatment of Muscular Aches and Pains, Muscular Lumbago, and Gout. M. C. Kieffer. 45,733; June 4.
Coffee, Design 'N'. For Coffee. Continental Paper & Bag Corporation. 45,710; June 4.
Coffee. For Coffee. C. D. Kenny Company. 45,732; June 4.
Creamery Butter. For Butter. The Menasha Products Company. 45,738; June 4.
Dairy Sealed, Inc. Pasteurized Grade B Heavy Cream. For Pasteurized Grade B Heavy Cream. Dairy Sealed, Inc. 45,712; June 4.
Dated Beer. For Beer. Star Brewery Company. 45,752; June 4.
De Sliced Bread. For Bread. American Tissue Mills. 45,694; June 4.
Drumwright's Old Fashioned Southern Style Pork Barbecue. For a Pork Product. Southern Style Foods, Inc. 45,751; June 4.
Dutch Treat. For Canned Sliced Yellow Cling Peaches. Foster and Wood Canning Co. 45,715; June 4.
Dwin the Modern Insect Killer, as Fragrant as Flowers in May for Use in House and Garden. For an Insect Killer. Baldwin Laboratories, Inc. 45,695; June 4.
Dwin Crow Dope. For a Preparation for Protecting Seed Corn against Crows and Other Pests. Baldwin Laboratories, Inc. 45,700; June 4.
Dwin Household Insect Killer. For an Insect Killer. Baldwin Laboratories, Inc. 45,696; June 4.
Dwin Floor Dressing. For a Floor Dressing. Baldwin Laboratories, Inc. 45,697; June 4.
Femigiene. For a Medicinal Powder especially Prepared for Feminine Hygiene. Hygiene Manufacturing Co. 45,719; June 4.
Goldenberg's "Kreem Maid" Fudge. For Fudge. D. Goldenberg, Inc. 45,716; June 4.
Green Core Ultra-Flable. For Gummed Paper Tape. Mid-States Gummed Paper Co. 45,739; June 4.
Half and Half Half Milk Bread—Half Cracked Wheat. For Bread. The W. E. Long Co. 45,734; June 4.
Haz-a-Lustre. For Varnish Stain. Hazard Lead Works Inc. 45,717; June 4.
Haz-a-Var. For Varnish. Hazard Lead Works Inc. 45,718; June 4.
Hollywood Sport Pin. For Sport Pins. Andrew W. McAllister. 45,735; June 4.
Ice Cream. For Ice Cream. Foster & Cross, Inc. 45,714; June 4.
John Alden Brand Fancy Boneless Codfish. For Codfish. Sutherland Paper Company. 45,759; June 4.
Kellogg's Bran Flakes—Swimming—Save a Split Second. For Ready-to-Eat Cereal Food. Kellogg Company. 45,723; June 4.
Kellogg's Bran Flakes—Swimming—Practice Surface Diving. For Ready-to-Eat Cereal Food. Kellogg Company. 45,724; June 4.
Kellogg's Bran Flakes—Swimming—How Do You Breathe. For Ready-to-Eat Cereal Food. Kellogg Company. 45,725; June 4.
Kellogg's Bran Flakes—Swimming—About Leg Thrash. For Ready-to-Eat Cereal Food. Kellogg Company. 45,726; June 4.
Kellogg's Bran Flakes—Baseball—Know the Batter. For Ready-to-Eat Cereal Food. Kellogg Company. 45,727; June 4.
Kellogg's Bran Flakes. Baseball—One Out. For Ready-to-Eat Cereal Food. Kellogg Company. 45,128; June 4.
Kellogg's Bran Flakes—Baseball—Watch Those Hitters. For Ready-to-Eat Cereal Foods. Kellogg Company. 45,729; June 4.
Kellogg's Bran Flakes- Baseball- Slide to the Bag. For Ready-to-Eat Cereal Food. Kellogg Company. 45,730; June 4.
Kellogg's Bran Flakes Baseball—Learn to Bat. For Ready-to-Eat Cereal Food. Kellogg Company. 45,731; June 4.
Kentucky Rebel. For Straight Bourbon Whiskey. Pacific Beverage Distributors, Ltd. 45,740; June 4.
Maricopa Brand Irradiated Evaporated Milk. For Evaporated Milk. Borden Western Company. 45,703; June 4.
Mason Lids. For Replacement Lids for Mason Jar Caps. Crown Cork & Seal Company. 45,711; June 4.
Meccano-Morecraft. For Toy Construction Sets. The Meccano Company of America, Inc. 45,736; June 4.
Mechling's Sulforote. For Insecticide. Mechling Brothers Chemicals Company. 45,737; June 4.
Nevlo. For Nerve Sedative and Hypnotic. H. W. Davis. 45,713; June 4.
Planned Garden No. 36. For Garden Layouts. International Paper Company. 45,721; June 4.
Planned Garden No. 18. For Garden Layouts. International Paper Company. 45,722; June 4.
Pride of America Dog and Cat Food. For Dog and Cat Food. Silver King Canning Company. 45,749; June 4.
Producer's Own. For Eggs. Poultrymen's Cooperative Association of Southern California. 45,744; June 4.
Rafedes Rat Killer. For a Poison for Rats and Mice. Baldwin Laboratories, Inc. 45,699; June 4.

Re-Kop Rummy. For Card and Board Game. Patent Engineering Co. 45,741; June 4.
'Salada' Orange Pekoe & Pekoe. For Tea. Salada Tea Co. (Inc.) 45,747; June 4.
'Salada' Tea Bags. For Tea Bags. Salada Tea Co. (Inc.). 45,748; June 4.
Sani-Flush. For Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. Hygienic Products Company. 45,720; June 4.
Selected Mushrooms No. 33 F. P. For Mushrooms. Sutherland Paper Company. 45,760; June 4.
Skull Piston Rings—Death to Oil Trouble. For Piston Rings. Skull Piston Manufacturing Company. 45,750; June 4.
Slip-ry-lik. For Straight Bourbon Whiskey. A. A. Brault. 45,704; June 4.
Ste Pierre Smirnoff F^ls. For an Apertif. Ste Pierre Smirnoff F^ls, Incorporated. 45,756; June 4.
Ste Pierre Smirnoff F^ls. For Vodka. Ste Pierre Smirnoff F^ls, Incorporated. 45,754; June 4.
Ste Pierre Smirnoff F^ls. For Vodka. Ste Pierre Smirnoff F^ls, Incorporated. 45,755; June 4.
Ste Pierre Smirnoff F^ls, No. 21. For Vodka. Ste Pierre Smirnoff F^ls, Incorporated. 45,753; June 4.
Sunwash. For Washing Solution. Victor A. Payne. 45,742; June 4.
The Scotch Digest by Reed. For Candy—Namely, Butter-Scotch. Reed Candy Company. 45,746; June 4.
Tux Cattle Fly Killer. For a Fly Killer. Baldwin Laboratories, Inc. 45,698; June 4.
Tux Crow Dope. For a Preparation for Protecting Seed Corn in the Ground Against Crows, Pheasants, Blackbirds, Worms and Other Pests. Baldwin Laboratories, Inc. 45,701; June 4.
Union-Label the Seal of Quality. For Straight Whiskey. H. M. Wexberg. 45,762; June 4.
Vac-Maid Sweet Chocolate Flavored Malted Milk. For Malted Milk. Vac-Made Foods Corporation. 45,761; June 4.
Wrigley's Juicy Fruit Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 45,763; June 4.
Zamora Wine. For Wine. Price Bros. 45,745; June 4.
Zip-O-Graf. For an Engine Lubricant Which Forms a Protective Film on All Moving Parts. A. E. Stein. 45,757; June 4.

LIST OF PRINTS

A Friendly Challenge to Women Whose Husbands Like Strawberry Shortcake. For Biscuit Flour. General Mills, Inc. 15,185; June 4.
An Object Lesson in 'Coffee-Floating'. For Coffee. Hills Bros. 15,192; June 4.
Banana Twin Popsicle. For Frozen Confections. Joe Lowe Corporation. 15,206; June 4.
Big Double Feature Twin-Popsicle, Healthful Refreshing 5¢. For Frozen Confections. Joe Lowe Corporation. 15,205; June 4.
Bill Banks Sounds Off About 'Coffee-Floating'. For Coffee. Hills Bros. 15,189; June 4.
• Billboards • Ben Bernie • National Magazine Advertising All Working For You. For Beer and Ale. Premier-Pabst Corporation. 15,208; June 4.
Camera-Man Opposes 'Coffee-Floating'. For Coffee. Hills Bros. 15,194; June 4.
'Coffee-Floaters' Never Too Young To Learn. For Coffee. Hills Bros. 15,187; June 4.
'Coffee-Floating' Golfers Get Out of Rough. For Coffee. Hills Bros. 15,191; June 4.
Columbia First Line Tires. For Tires. Continental Products, Inc. 15,183; June 4.
Gretna-Green Wedding Stationery. For Wedding Stationery. Rytex Company. 15,212; June 4.
Happy Ending to 'Coffee-Floating'. For Coffee. Hills Bros. 15,190; June 4.
Ice Cold Twin Popsicle Refreshing 5¢. For Frozen Confections. Joe Lowe Corporation. 15,202; June 4.
I See Plenty of Wrecks But Blow-Out Accidents Turn My Blood Cold (Ad No. GBC-50). For Rubber Tires. B. F. Goodrich Company. 15,186; June 4.
It's Twins—Twin Popsicle. For Frozen Confections. Joe Lowe Corporation. 15,201; June 4.
Jantzen Trunks with Sunaks Support. For Swimming Trunks. Jantzen Knitting Mills. 15,199; June 4.
Money-Back Guarantee Quality Wants No Results No Pay. For Prints and Publications. T. D. Taylor. 15,213; June 4.
Mother-In-Law Helps 'Coffee-Floating' Bride. For Coffee. Hills Bros. 15,197; June 4.
Mr. B Sits Down on 'Coffee Floating'. For Coffee. Hills Bros. 15,198; June 4.
National Blue Ribbon Malt Week April 14th to 20th. For Malt Extract. Premier-Pabst Corporation. 15,210; June 4.
Orange Full Flavored Twin Popsicle. For Frozen Confections. Joe Lowe Corporation. 15,207; June 4.
Post-Mortem on 'Coffee-Floating'. For Coffee. Hills Bros. 15,188; June 4.
Refreshing! Ice Cold—Long Lasting Twin Popsicle Giant 5¢ Value. For Frozen Confections. Joe Lowe Corporation. 15,204; June 4.
Retired Sailor Balks at "Coffee-Floating". For Coffee. Hills Bros. 15,195; June 4.
Saturday Shopping Show-Down on 'Coffee-Floating'. For Coffee. Hills Bros. 15,196; June 4.
Takes Grand Slam at 'Coffee-Floating'. For Coffee. Hills Bros. 15,193; June 4.
Twin Popsicle Healthful—5¢. For Frozen Confections. Joe Lowe Corporation. 15,200; June 4.
Twin Popsicle Healthful. For Frozen Confections. Joe Lowe Corporation. 15,203; June 4.
We're Not Given to Trailing After Trends. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,182; June 4.
What to Do When Your Child's Taste Gets "Cereal Jaded". For Cereal Food. General Mills, Inc. 15,184; June 4.
You Are Invited to Take Part in National Blue Ribbon Malt Week April 14th to 20th. For Malt Extract. Premier-Pabst Corporation. 15,209; June 4.
Your Customers Just Naturally Want "The Most of the Best" for Their Money. For Malt Extract. Premier-Pabst Corporation. 15,211; June 4.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bales, James E., and C. T. Christensen, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Table leg construction. 19,596; June 4.
Brennels Manufacturing Company. (See Furrer, Samuel S., assignor.)
Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to Eclipse Machine Company. Engine starter. 19,597; June 4.
Christensen, Carl T. (See Bales, J. E. and Christensen.)
Eclipse Machine Company. (See Chilton, Roland, assignor.)
Furrer, Samuel S., assignor to Brennels Manufacturing Company, Oxnard, Calif. Disk harrow. 19,598; June 4.
General Electric Company. (See Hermann, Peter C., assignor.)
General Railway Signal Company. (See Halles, William D., assignor.)
Halles, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Continuous train control system. 19,599; June 4.
Hermann, Peter C., Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Apparatus for making magnetic tests and measurements. 19,600; June 4.
Hermnn, Peter C., Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Apparatus for making magnetic tests and measurements. 19,601; June 4.
Lyon Metal Products, Incorporated. (See Bales, J. E., and Christensen, assignors.)
Powell, John M., Mount Vernon, Ill. Combination grave marker and flower vase. 19,602; June 4.

LIST OF PLANT PATENTEES

Witterstaetter, Richard, deceased, Cincinnati, Ohio, by R. C. Witterstaetter, executor, assignor to R. Witterstaetter Carnation Company, Cincinnati, Ohio. Carnation variety. 127; June 4.
Witterstaetter, R., Carnation Company. (See Witterstaetter, Richard, assignor.)
Witterstaetter, Richard C., executor. (See Witterstaetter, Richard.)

LIST OF DESIGN PATENTEES

Ahrens, Clyde W., assignor to Mission Dry Corporation, New York, N. Y. Bottle. 95,787; June 4.
Allen, James. (See Van Schelle, M., and Allen.)
Aluminum Cooking Utensil Company, The. (See Brenneman, Anetta, assignor.)
Alvin Corporation, The. (See Price, James R., assignor.)
American Fabrics Company, The. (See Barnum, Harry B., assignor.)
Andino, Lorenzo, East Elmhurst, N. Y. Shoe or similar article. 95,788; June 4.
Andino, Lorenzo, East Elmhurst, N. Y. Shoe or similar article. 95,789; June 4.
Awgumy, Michael E., New York, N. Y. Two-piece slip. 95,790; June 4.
Baetz, Walter, New York, N. Y. Toy vehicle or the like. 95,791; June 4.
Baetz, Walter, New York, N. Y. Toy vehicle or the like. 95,792; June 4.
Baetz, Walter, New York, N. Y. Toy vehicle or the like. 95,793; June 4.
Barnum, Harry B., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 95,794; June 4.
Barnum, Harry B., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 95,795; June 4.
Barnum, Harry B., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 95,796; June 4.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Display stand for hosiery or the like. 95,797; June 4.
Berlnstein, Harry L., Elmira, N. Y. Vanity case. 95,798; June 4.
Berkshire Knitting Mills. (See Janssen, Henry, assignor.)
Blumenthal, Sidney, & Co. Inc. (See Todd, Juanita, assignor.)
Brenneman, Anetta, Factoryville, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Drip coffeepot. 95,799; June 4.
Brenneman, Anetta, Factoryville, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Coffee pot. 95,800; June 4.
Burkhart, Evangeline, New York, N. Y. Powder puff. 95,801; June 4.
Caplan, Moses, Boston, Mass. Wall pocket for pot holders, memorandum pads, and pencils. 95,802; June 4.
Carr-Lowrey Glass Co. (See Leach, Walter R., assignor.)
Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)
Cohen, Joseph H., Bridgeport, Conn. Fender guide. 95,803; June 4.
Columbus Metal Products Inc. (See Donley, Harold B., assignor.)
Compton, Henry P. and L. Solomon, Abilene, Tex. Game apparatus. 95,804; June 4.
Continental Optical Company. (See Soden, Fred H., assignor.)
Cox, Irwin W., Denver, Colo. Memorial marker. 95,805; June 4.
Cox, Orin K., Los Angeles, Calif. Dishwashing machine. 95,806; June 4.
Davock, Harlow N., Birmingham, Mich. Lavatory. 95,807; June 4.
De Boer, Rudolph F., Grand Rapids, Mich. Ash receiver. 95,808; June 4.
De Liso, Vincent, Astoria, N. Y. Shoe. 95,809; June 4.
Dexdale Hosiery Mills. (See Berger, Emil J., assignor.)
Donley, Harold B., assignor to Columbus Metal Products Inc., Columbus, Ohio. Vehicle lamp globe or similar article. 95,810; June 4.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Ellsworth, Charles K. (See Van Doren, H. L., and Ellsworth.)
Farr, Fred D., Mamaroneck, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Book end. 95,811; June 4.
Feinauer, George A., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 95,812; June 4.
Fostoria Glass Company. (See Stahl, Eugene, assignor.)
Ganz, Paul H., New York, N. Y. Lip stick container. 95,813; June 4.
Garvey, James, New York, N. Y., assignor to Optic Liquid Measures Inc., Norfolk, Va. Liquid dispensing rack. 95,814; June 4.
Garvey, James, New York, N. Y., assignor to Optic Liquid Measures Inc., Norfolk, Va. Liquid dispensing rack. 95,815; June 4.
Geddes, Norman B., New York, assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Box. 95,816; June 4.
Geddes, Norman B., New York, and W. I. Hamby, Great Neck, assignors to Servel, Inc., New York, N. Y. Refrigerator cabinet. 95,817; June 4.
Gehring, Solomon & Birnbaum, Inc. (See Stenson, Henry, assignor.)
Goldberg, Julius A., Highland Park, Ill. Shoe. 95,818; June 4.
Gorham Manufacturing Company. (See Feinauer, George A., assignor.)
Gourlay, James, Glencoe, Ill. Golf club head. 95,819; June 4.
Grünstein, Martin, assignor to the firm Müller & Grünstein, Elger-Jorger Feuerzeugfabrik, Elgersburg, Germany. Pocket lighter. 95,820; June 4.
Guyer, William, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. 95,821; June 4.
Halbert, Alfred, Los Angeles, Calif. Air compressor unit. 95,822; June 4.

Hamby, William I. (See Geddes, N. B., and Hamby.)
Hathaway, Chester W., and E. Krumsiek, assignors to Mueller Co., Decatur, Ill. Shower head. 95,823; June 4.
Haywood, William R., New York, N. Y. Textile fabric. 95,824; June 4.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Sanding machine. 95,825; June 4.
Hedstrom, Knute W., assignor to Hedstrom-Union Company, Gardner, Mass. Velocipede. 95,826; June 4.
Hedstrom-Union Company. (See Hedstrom, Knute W., assignor.)
Hoffman, Charles, New York, N. Y. Wrap. 95,827; June 4.
Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic lace braid. 95,828; June 4.
Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic lace braid. 95,829; June 4.
Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic lace braid. 95,830; June 4.
Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic lace braid. 95,831; June 4.
Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic lace braid. 95,832; June 4.
Illinois Watch Case Company. (See Wewetzer, Albert, assignor.)
Jamieson, Samuel A., Des Moines, Iowa. Coat garment. 95,833; June 4.
Janssen, Henry, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking display cabinet. 95,834; June 4.
Kaiser, Charles, Great Neck, N. Y., assignor to Morimura Bros., Inc., New York, N. Y. Marmalade jar. 95,835; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,836; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,837; June 4.
Kirschner, Jack, New York, N. Y. Dress. 95,838; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,839; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,840; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,841; June 4.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,842; June 4.
Kramer, Andrew A. (See Kramer, Joseph M., assignor.)
Kramer, Andrew A., Kansas City, Mo. Tank vehicle body. 95,843; June 4.
Kramer, Andrew A., Kansas City, Mo. Tank vehicle body. 95,844; June 4.
Kramer, Andrew A., and J. M. Kramer, said J. M. Kramer, assignor to said A. Kramer, Kansas City, Mo. Tank vehicle body. 95,845; June 4.
Kramer, Joseph M. (See Kramer, Andrew A., and J. M.)
Kramer, Joseph M., assignor to A. A. Kramer, Kansas City, Mo. Tank vehicle body. 95,846; June 4.
Kramer, Joseph M., assignor to A. A. Kramer, Kansas City, Mo. Tank vehicle body. 95,847; June 4.
Krumsiek, Ernest. (See Hathaway, C. W., and Krumsiek.)
Lanz, Josef, Salzburg, Austria, assignor to The Stetson Shoe Company, Inc., South Weymouth, Mass. Ski boot. 95,848; June 4.
Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 95,849; June 4.
Lelong, Lucien, Inc. (See Stein, Joseph S., assignor.)
Lobl, Frederick, Middleboro, Mass. Nasal inhaler. 95,850; June 4.
Lobl, Frederick, Middleboro, Mass. Switch casing. 95,851; June 4.
Maitland, Frank K., Hermosa Beach, Calif., assignor to F. C. McClellan, Chicago, Ill. Amusement game board. 95,852; June 4.
Marbelite Corporation of America, Ltd. (See Waggoner, Ralph, assignor.)
Mayer, William H., Jr., New York, N. Y. Textile fabric or similar article. 95,853; June 4.
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 95,854; June 4.
McClelland, Fred C. (See Maitland, Frank K., assignor.)
Meyer, Samuel, New York, N. Y. Shoe. 95,855; June 4.
Miller, Charles, New York, N. Y. Shoe or similar article. 95,856; June 4.
Miller, Charles, New York, N. Y. Shoe or similar article. 905,857; June 4.
Miller, Charles, New York, N. Y. Shoe or similar article. 95,858; June 4.
Minard, Herbert H., Wichita, Kans. Broiler. 95,859; June 4.
Mission Dry Corporation. (See Ahrens, Clyde W., assignor.)
Morimura Bros. Inc. (See Kaiser, Charles, assignor.)
Mueller Co. (See Hathaway, C. W., and Krumsiek, assignors.)
Müller & Grünstein, Elgersburger Feuerzeugfabrik. (See Grünstin, Martin, assignor.)
Narrow Fabric Company, The. (See Huber, Otto E., assignor.)
Neuhoff, Max M., New York, N. Y. Pen point. 95,860; June 4.
Optic Liquid Measures Inc. (See Garvey, James, assignor.)
Perugia, Andre, Paris, France. Shoe. 95,861; June 4.
Polley, Flora R., New York, N. Y. Shoe. 95,862; June 4.
Polley, Flora R., New York, N. Y. Shoe. 95,863; June 4.
Price, James R., assignor to The Alvin Corporation, Providence, R. I. Spoon or other article of flatware. 95,864; June 4.
Raphael, Hannah M., New York, N. Y. Blouse. 95,865; June 4.
Revere Copper and Brass Incorporated. (See Farr, Fred D., assignor.)
Revere Copper and Brass Incorporated. (See Geddes, Norman B., assignor.)
Schnefel, Maximilian, East Orange, N. J. Container for nail polish manicure set. 95,866; June 4.
Seagram, Joseph E., & Sons, Inc. (See Guyer, William, assignor.)
Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Plate or similar article. 95,867; June 4.
Sebring Pottery Company. (See Sebring, Charles L., assignor.)
Seidenquist, Robert, Elgin, Ill. Shoe. 95,868; June 4.
Servel, Inc. (See Geddes, N. B., and Hamby, assignors.)
Soden, Fred H., assignor to Continental Optical Company, Inc., Rochester, N. Y. Eyeglass bridge. 95,869; June 4.
Sofransky, Joseph, New York, N. Y. Shoe or similar article. 95,870; June 4.
Sofransky, Joseph, New York, N. Y. Shoe or similar article. 95,871; June 4.
Solomon, Louis. (See Compton, H. P., and Solomon.)
Stahl, Eugene, assignor to Fostoria Glass Company, Moundsville, W. Va. Decanter or similar article. 95,872; June 4.
Stein, Joseph S., assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle or similar article. 95,873; June 4.
Stenson, Henry, Long Eaton, England, assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. 95,874; June 4.
Stetson Shoe Company, The. (See Lanz, Josef, assignor.)
Todd, Juanita, Yonkers, assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Textile fabric. 95,875; June 4.
Trafton, Howard A., New York, N. Y. Printing type font. 95,876; June 4.
Van Doren, Harold L., and C. K. Ellsworth, Toledo, Ohio, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Closure for containers or similar article. 95,877; June 4.
Van Schelle, Martial, Brussels, Belgium, and J. Allen, London, England. Tennis racket or similar article. 95,878; June 4.
Villas, John D., Minneapolis, Minn. Steering wheel. 95,879; June 4.
Vlock, Sidney, New York, N. Y. Lady's suit. 95,880; June 4.
Waggoner, Ralph, assignor to Marbelite Corporation of America, Ltd., Los Angeles, Calif. Lamp-post or similar article. 95,881; June 4.
Weigel, Norman E., Short Hills, N. J. Fountain pen nib. 95,882; June 4.
Wewetzer, Albert, assignor to Illinois Watch Case Company, Elgin, Ill. Brush or similar article. 95,883; June 4.
Wheeling Steel Corporation. (See Van Doren, H. L., and Ellsworth, assignors.)
Wolff, Harry, Lincoln, Nebr. Lever. 95,884; June 4.
Wood, Harry F., Burslem, England. Coffeepot or like article. 95,885; June 4.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 95,886; June 4.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 95,887; June 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A C Spark Plug Company. (See Babitch, A. M., and Harry, assignors.)
Abbott, Albert L. (See Miller, W. C., and Abbott.)
Acme Weaving Mills, Inc. (See Bullard, Ellerslie W., assignor.)
Adams, Guy S. (See Burnett, F. C., and Adams.)
Agombar, Bert, Hanover, Ontario, Canada. Shoeshine box. 2,003,279; June 4.
Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Making valve seat tools. 2,003,570; June 4.
Alden, Herbert W., and L. R. Buckendale, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Assembling resilient joints. 2,003,412; June 4.
Alfaro, Heraclio, Abington, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 2,003,331; June 4.
Alfaro, Heraclio, Cambridge, Mass., assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 2,003,620; June 4.
Allen, Rufus S., and B. Oakes, Detroit, Mich. Camp trailer. 2,003,816; June 4.
Allmänna Svenska Elektriska Aktiebolaget. (See Rönnberg, Daniel, assignor.)
Allyne, Edmund. (See Gruber, Edward, assignor.)
Allyne, Edmund E., Cleveland, Ohio. Oil burner manipulating mechanism. 2,003,413; June 4.
Allyne, Edmund E., Cleveland, Ohio. Evaporator for refrigerating systems. 2,003,414; June 4.
Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Disk spring governor. 2,003,817; June 4.
Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Colored granule. 2,003,849; June 4.
Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Colored granule and making same. 2,003,850; June 4.
Aluminum Company of America. (See Keller, F., and Merritt, assignors.)
Amantea, Samuel, Niagara Falls, N. Y. Belt fastener. 2,003,387; June 4.
American Brass Company, The. (See Freeman, John R., Jr., assignor.)
American Brass Company, The. (See Hook, Ira T., assignor.)
American Brass Company, The. (See Jennison, H. C., and Montgomery, assignors.)
American Car and Foundry Company. (See Ecoff, Francis A., assignor.)
American Car and Foundry Company. (See Willoughby, V., and Lapworth, assignors.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Laundry Machinery Company, The. (See Beattie, William P., assignor.)
American Laundry Machine Company, The. (See Couch, Forrest J., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Reenforced Paper Company. (See White, Edwin H., assignor.)
American Sales Book Company. (See Hagemann, Louis F., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Cowan Frank A., assignor.)
American Telephone and Telegraph Company. (See Henneberger, Thomas C., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Television Laboratories, Inc. (See De Forest, Lee, assignor.)
Anmann, Paul, Paris, France. Treating earth-nut kernels. 2,003,415; June 4.
Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa. Apparatus for drawing glass. 2,003,525; June 4.
Anchor Cap & Closure Corporation. (See Hammer, Charles, assignor.)
Andersen Frame Corporation. (See Swanson, Earl C., assignor.)
Anderson, David E., assignor to Rohn Aluminum & Brass Corporation, Detroit, Mich. Cylinder head for internal combustion engines. 2,003,571; June 4.
Andersson, Gustav H., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,003,621; June 4.
Anderson, James C., Highland Park, Ill. Pipe tamper. 2,003,416; June 4.
Anderson Manufacturing Company. (See Eisenhauer, Warren F., assignor.)
Anderson Manufacturing Company. (See Eisenhauer, W. F., and Ferguson, assignors.)
Andis, Mathew, Racine, Wis. Power driven vibrator. 2,003,332; June 4.
Andreas, Arno, Munster, Germany. Feeding mechanism for filling machines. 2,003,417; June 4.
Angier, Edward H., Framingham, Mass. Sheet material for curing and protecting concrete and method of making. 2,003,988; June 4.
Ankarlo, Hannah C., et al. (See Ankarlo, Victor, assignor.)
Ankarlo, Victor, Milwaukee, Wis., assignor of three per cent to R. C. Peterson, Duluth, Minn., and ninety-seven per cent to Hannah C. Ankarlo, Milwaukee, Wis. Car. 2,003,418; June 4.
Arbuckle, Samuel F., Highland Park, Mich., assignor, by mesne assignments, to Guide Lamp Corporation, Anderson, Ind. Head lamp testing device. 2,003,797; June 4.
Archea, Walter D., and M. Romaine, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 2,003,572; June 4.
Archer, Ira, Brooklyn, N. Y. Safety device for centrifugal pumps. 2,003,819; June 4.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheater boiler. 2,003,818; June 4.
Arnold, Arthur A. (See Gilbert, A. C., and Arnold.)
Arisay, Nicholas, New York, N. Y. Boiler. 2,003,419; June 4.
Ashworth Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Outsole shoe sewing machine. 2,003,526; June 4.
Astradsson, Per A. (See Dillström, T. V., Astradsson, and Dahlgren.)
Attapulgus Clay Company. (See Russell, Brinton, and C. B., assignors.)
Auto Dairy Pioneers Limited. (See Enock, Arthur G., assignor.)
Autogiro Company of America. (See Alfaro, Heraclio, assignor.)
Automatic Drive and Transmission Company. (See Vail, Henry H., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Automatic Drive and Tranmission Company. (See Vail, Henry H., assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Babcock & Wilcox Company, The. (See Trainer, J. E., and Ziegler, assignors.)
Babitch, Abraham M., and G. W. Harry, assignors to A C Spark Plug Company, Flint, Mich. Fuel pump. 2,003,420; June 4.
Bachus, Spencer T. (See McCartney, W. J., and Bachus.)
Bacon, John W., and T. S. Warren, assignors to T. S. Warren, Hermosa Beach, Calif. Therapeutic device. 2,003,527; June 4.
Bagley and Sewall Company, The. (See Valentine, Charles W., assignor.)
Bailey, Ernest L., Boscawen, N. H. Corn shock holding and binding device. 2,003,874; June 4.
Baker, C. E., et al. (See Frye, Jason S., assignor.)
Balbi, Charles M. R., London, England. Adjusted sound amplification. 2,003,875; June 4.
Baldwin, Harry W., Hamakuapoko, Territory of Hawaii. Flume. 2,003,730; June 4.
Baldwin, Curtis C., and V. S. Miller, Ottawa, Kans. Centrifugal concentrator. 2,003,767; June 4.
Ballauf, Fritz, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indol compound. 2,003,421; June 4.
Balsam, Maurice M. (See Rubin, H. H., and Balsam.)
Banker, Oscar H., Philadelphia, Pa., assignor to Continental Illinois Bank and Trust Company, Chicago, Ill. Tranmission. 2,003,963; June 4.
Bannister, Sydney H. (See Olpin, H. C., and Bannister.)

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing press. 2,003,798; June 4.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing press. 2,003,799; June 4.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing press. 2,003,800; June 4.

Barnard, Kenneth H., West Newton, and H. F. Kane, assignors to Pacific Mills, Lawrence, Mass. Method and material for preventing the tarnishing of silverware. 2,003,333. June 4.

Barnard, William C., Good Thunder, Minn. Double set stage. 2,003,573. June 4.

Barney, Freeman. (See Lee, J. E., Gylleck, and Barney.)

Bartley, Charles B., Pittsburgh, Pa. Electric signal and control device. 2,003,706; June 4.

Bartsch, Herbert E., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Follower block for draft gears. 2,003,989; June 4.

Bassett, Preston R., Rockville Center and F. R. House, Baldwin Harbor, assignors to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Searchlight director. 2,003,661; June 4.

Batcholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y. Weatherproof socket. 2,003,622; June 4.

Bausman, Alonzo L., Springfield, Mass. Confection coating machine. 2,003,851; June 4.

Baxter, Donald E., Los Angeles, Calif. Closure for containers. 2,004,027; June 4.

Bayreuther, Andrew, Albany, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker fuel deflector. 2,003,422; June 4.

Beattie, William P., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Safety device for automatic controls. 2,003,852; June 4.

Becker, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 2,003,574; June 4.

Belto, Rangvald C., Terrace, Minn. Doorlatch. 2,003,731; June 4.

Belden, Albert G., and R. A. Cole, assignors to Norton Company, Worcester, Mass. Caliper controlled grinding machine. 2,003,334; June 4.

Bell, Margaret R., Great Falls, Mont. Hair winding device. 2,003,280; June 4.

Bell Punch Company. (See Black, H. D., and Webb, assignors.)

Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Alvin N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Green, C. W., and Black, assignors.)

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hickman, C. N., and Wente, assignors.)

Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hunt, Franklin L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Jacobs, Oliver B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kelsay, Le Roy W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Smith, L. T., and Thuras, assignors.)

Bell Telephone Laboratories, Incorporated. (See St. John, Everett, assignor.)

Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)

Bemis Bro. Bag Co. (See Brady, C. V., and Linda, assignors.)

Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)

Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Furnace grate structure. 2,003,423; June 4.

Berg, Frederick A., Chicago, Ill. High intensity multiple automatic arc lamp. 2,003,675; June 4.

Berkshire Knitting Mills. (See Westkott, Hans, assignor.)

Berthold, Hermann, Leverkusen-on-the-Rhine, and C. Krauss, Frankfort-on-the-Main-Fechenheim, and A. Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Printing of textile fabrics with vat dyestuffs. 2,003,641; June 4.

Best, Clarence L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Wear compensating means. 2,003,528; June 4.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating system and the constituent parts thereof. 2,003,281; June 4.

Bins, Frank M., Butte, Mont. Coupling for canvas tubing. 2,003,732; June 4.

Birkenmaier, Theodore. (See Boll, L. P., and Birkenmaier.)

Birmingham, Thomas F., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Making welded article. 2,003,820; June 4.

Birtcher, John, Memphis, Tenn. Stairway. 2,003,876; June 4.

Bishop, George E., Cleveland Heights, Ohio. Golf bag. 2,003,733; June 4.

Bishop, J., & Company Platinum Works. (See Kerk, Paul C., assignor.)

Black, Carl A., Cleveland Heights, assignor to The Ric-Wil Company, Cleveland, Ohio. Thermo nonconducting water repellant packing material. 2,003,335; June 4.

Black, Harold S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,003,282; June 4.

Black, Harold S., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeatered line system. 2,003,964; June 4.

Black, Harold S. (See Green, C. W., and Black.)

Black, Horace D., Uxbridge, and C. F. Webb, Easteote, assignors to Bell Punch Company Limited, London, England. Manifold writing device. 2,004,028; June 4.

Black, Sivalls & Bryson, Inc. (See Gordon, Joseph C., assignor.)

Blake, Valerie F., New York, N. Y. Table or similar article of furniture. 2,003,821; June 4.

Blankenship, John B. (See Lehrer, O. J., and Blankenship.)

Blatterman, Albert S., Asbury Park, N. J. Remote control system for radio broadcast receivers. 2,003,877; June 4.

Blaw Knox Company. (See McCrery, Harold E., assignor.)

Bloch, Ignaz, Dessau, Germany. Production of pure white sugar. 2,003,965; June 4.

Bockmühl, Max, W. Krohs, and G. Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Heterocyclically substituted perhydrocarbazoles. 2,003,623; June 4.

Bohn Aluminum & Brass Corporation. (See Anderson, David E., assignor.)

Boll, Lester P., University City, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 2,003,768; June 4.

Bollman, Roland R., Mount Washington, and C. L. Ornes, assignors to The Perfect Manufacturing Company, Cincinnati, Ohio. Method and material for repairing shoes. 2,004,059; June 4.

Bond Charles Company. (See Grundy, John R., assignor.)

Bongrand, Jean E. C., Paris, and L. S. M. Le Jeune, Wasquehal, France. Impregnation of textile materials by latex. 2,004,029; June 4.

Bonnell, William A., New York, N. Y. Cable connecter. 2,003,676; June 4.

Borden, Stephen W. (See Roe, Ralph C., assignor.)

Born, William T., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Seismic surveying. 2,003,780; June 4.

Botenstein Charles E. (See Widen, Henry R., assignor.)

Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Colloidal inorganic bonding composition. 2,004,030; June 4.

Bovard, Charles M., Grove City, Pa., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Overspeed device. 2,003,478; June 4.

Bovier, Lloyd S. (See Scott, W. B., Bovier, and Matthews.)

Bowden, James G., Millbury, assignor to The Felters Company, Boston, Mass. Handle grip. 2,003,917; June 4.

Bowen, William S., Westfield, N. J. Spray wheel. 2,003,575; June 4.

Bower, George D., Columbia Heights, Minn., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Control system for burners producing high temperature flames. 2,003,624; June 4.

Boyer, George C., Los Angeles, Calif. Game device. 2,003,801; June 4.

Boyer, George D. (See Stanitz, J., and Boyer.)

Boyer, John A., assignor to Globar Corporation, Niagara Falls, N. Y. Terminal connection for electric heating elements. 2,003,625; June 4.

Bozzer, George, and J. Haversin, Detroit, Mich. Universal measuring instrument. 2,003,626; June 4.

Braddon, Fred D., Eltingville, and A. N. Lawrence, Lawrence, assignors to Sperry Products, Inc., Brooklyn, N. Y. Indicating device for flaw detector mechanism. 2,003,356; June 4.

Brady, Charles V., Webster Groves, and F. R. Linda, St. Louis, assignors to Bemis Bro. Bag Co., St. Louis, Mo. Bag closing machine. 2,003,337; June 4.

Braman, Verne T. (See Ranger, R. H., Braman, and Nelson.)

Brandstrom, Folke A., assignor to The John Gabel Mfg. Co., Chicago, Ill. Automatic phonograph. 2,003,424; June 4.

Brewster Development Corporation. (See Brewster, Oswald C., assignor.)

Brewster, Oswald C., Kansas City, Mo., assignor to Brewster Development Corporation, New York, N. Y. Avoiding the deleterious effect of detonation in internal combustion engines. 2,003,822; June 4.

Bristol Aeroplane Company, The. (See Fedden, Alfred H. R., assignor.)

Broadhurst, Harold M., Mossley Hill, Liverpool, England, assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Treating caustic soda solutions. 2,003,734; June 4.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cover trimming machine. 2,003,338; June 4.

Brown, Alfred T., assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio. Residence elevator. 2,004,060; June 4.

Brown, Gerald, Barnes, London, and E. Pollard, London, England. Display window. 2,003,735; June 4.

Brown, Thomas L., assignor to W. J. Pearson, Los Angeles, Calif. Moistener. 2,003,736; June 4.

Brown, Vincent H., Ozone Park, N. Y., assignor to Radio Corporation of America. Radio telegraph concentrator. 2,003,425; June 4.

Brown, Wallace E., Fairfield, Conn., assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del. Hose coupling. 2,003,918; June 4.

Brunn, Carl F., Brisbane, Calif. Washing machine. 2,003,642; June 4.

Bruson, Herman A., Germantown, and O. Stein, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparing alkylated aromatic ketones and product. 2,004,069; June 4.

Buckendale, Laurence R. (See Alden, H. W., and Buckendale.)

Bucklen, Herbert E., Elkhart, Ind., and J. N. Mahoney, Brooklyn, N. Y. Shock absorber. 2,003,823; June 4.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle bearing. 2,003,339; June 4.

Budd, Edward G., Manufacturing Company. (See Lewinka, Joseph, assignor.)

Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)

Buhren, Alfred O., Sacramento, Calif. Oboe mouth piece. 2,003,576; June 4.

Builders Iron Foundry. (See Smith, Ed. S., Jr., assignor.)

Bullard, Ellerslie W., assignor to Acme Weaving Mills, Inc., Anniston, Ala. Loom. 2,004,031; June 4.

Burdick, Wayne E. (See Loehr, L. K., and Burdick.)

Burghoff, Louis L., assignor to The E Ingraham Company, Bristol, Conn. Pendant for watches and the like. 2,003,781; June 4.

Burkhardt, Thomas E., Dayton, Ohio. Lifting and propelling mechanism for vehicles. 2,003,627; June 4.

Burnett, Fred C., and G. S. Adams, assignors to Riverson & Haynes, Inc., Jackson, Mich. Spare wheel carrier. 2,003,853; June 4.

Burrows, Robert J., and A. O. Williams, assignors to Clark Tractor Company, Battle Creek, Mich. Bell ringer. 2,003,340; June 4.

Burt, John S., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Paper napkin embossing, printing, and folding machine. 2,004,032; June 4.

Burton-Dixie Corporation. (See Vinar, Washington, assignor.)

Busse, Edwin G. (See Ekholm, H. W., and Busse.)

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam safety device. 2,003,499; June 4.

Butler, Homer, Bronaugh, Mo. Weighing scale. 2,003,737; June 4.

Buttross, George A., assignor to Lourey Corporation, Los Angeles, Calif. Bottle cap former. 2,003,643; June 4.

Buzzard, Gale H., and R. W. Tracy, assignors to The De Vilbiss Company, Toledo, Ohio. Spray head. 2,004,033; June 4.

Cadlet, Charles, assignor to the firm Société Anonyme des Etablissements Charles Testut, Paris, France. Poise device. 2,004,034; June 4.

Calloway Mills. (See Daughdrill, James H., assignor.)

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Underframe construction for railway cars. 2,003,341; June 4.

Campbell, Argyle, Chicago, and G. B. Willard, Western Springs, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 2,003,577; June 4.

Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Composite brake drum. 2,004,061; June 4.

Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)

Canfield, Earl L., Hillside, N. J. Meter. 2,003,919; June 4.

Carbide and Carbon Chemicals Corporation. (See Cox, Henry L., assignor.)

Carbide and Carbon Chemicals Corporation. (See Cox, H. L., and Clapsadle, assignors.)

Carbide and Carbon Chemicals Corporation. (See Reid, Ernest W., assignor.)

Carborundum Company, The. (See McKon, R. L., and Fitzpatrick, assignors.)

Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Weatherproof armored cable. 2,003,991; June 4.

Carlson, George, Bridgeport, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. Electric cable. 2,003,990; June 4.

Carman, Herbert L., Arlington, N. J. Fountain pen. 2,003,479; June 4.

Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)

Carter, Winnie, Wallington, assignor of one-half to G. S. Moulton & Company, Limited, London, England. Bathing cap. 2,003,920; June 4.

Cartwright, Frank P., Chevy Chase, Md. Fabricated structure and elements thereof. 2,003,738; June 4.

Case, Samuel L. (See Graham, H. W., and Case.)

Caterpillar Tractor Co. (See Best, Clarence L., assignor.)

Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)

Cavalero, John V., Bloomfield, N. J. Plaque. 2,003,824; June 4.

Cavanaugh, Howard M., assignor to Claude Neon Displays, Inc., Buffalo, N. Y. Lighting apparatus. 2,003,342; June 4.

Celanese Corporation of America. (See Olpin, H. C., and Bannister, assignors.)

Celanese Corporation of America. (See Taylor, W. I., and Gibbins, assignors.)

Celanese Corporation of America. (See Whitehead, William, assignor.)

Chadwick, John E., Toronto, Ontario, Canada. Device for spreading road material. 2,003,628; June 4.

Challenge Machinery Company, The. (See Lee, J. E., Gylleck, and Barney, assignors.)

Chase, Theron P., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brake. 2,004,062; June 4.

Chatelain, Arthur B., assignor of one-half to U. Fischer, Los Angeles, Calif. Tube paste dispenser. 2,003,283; June 4.

Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)

Chemical Construction Corporation. (See Hechenbleikner, I., Oliver, and Spangler, assignors.)

Chemical Manufacturing Company. (See Elliott, Phillip H., assignor.)

Chevrillon, Louis, Paris, France, assignor to The Francois Cementation Company Limited, London, England. Waterproofing or filling cavities in the ground or in structures. 2,003,921; June 4.

Chicago Pump Company. (See Durdin, Augustus C., 3d, assignor.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chicago Railway Equipment Company. (See Ekholm, H. W., and Busse, assignors.)

Christenson, George, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Packing for pistons. 2,003,759; June 4.

Christian, David A., assignor to Siemens Brothers & Company Limited, London, England. Electric switching mechanism. 2,003,782; June 4.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Internal combustion engine. 2,003,677; June 4.

Cilley, Jared F., Wadhams, N. Y. Vacuum relief valve. 2,003,678; June 4.

Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)

Cincinnati Milling Machine Company, The. (See Archea, W. D., and Romaine, assignors.)

Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)

Clapsadle, Leo J. (See Cox, H. L., and Clapsadle.)

Clark, Thomas B. (See Sweeney, O. R., and Clark.)

Clark, Thomas B., Rockford, Ill., assignor, by mesne assignments, to The Permutit Company (1934), Wilmington, Del. Water softening apparatus. 2,003,739; June 4.

Clark Tractor Company. (See Burrows, R. J., and Williams, assignors.)

Claret, Roger J., assignor to Natural By-Products Corporation, New York, N. Y. Production of carbon-dioxide from flue gases. 2,003,922; June 4.

Claude Neon Displays, Inc. (See Cavanaugh, Howard M., assignor.)

Clausen, George, Longview, Wash. Screen plate support. 2,003,923; June 4.

Clement, Ivan C., Greenwood, assignor to Submarine Signal Company, Boston, Mass. Acoustic apparatus. 2,003,284; June 4.

Clement, Victor A., Bayside, N. Y. Pastry cake and method and mold of making the same. 2,003,578; June 4.

Cleveland, Dorothy B., Los Angeles, Calif. Convertible and portable wardrobe and clothes drier. 2,004,035; June 4.

Cleveland Pneumatic Tool Company, The. (See Scott, Arthur, assignor.)

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Clifford, Percy C., and J. Crespo y Garcia, Mexico, D. F., Mexico. Biophysical process for preserving and conserving fermentable liquids. 2,003,644; June 4.

Cloer, Venus U. (See Sims, W. F., and Cloer.)

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Time delay circuit controlling apparatus. 2,003,992; June 4.
Coenning, Ernst, Halensee, near Berlin, Germany. Anti-skidding tire. 2,004,036; June 4.
Coffey, Irven E., Santa Ana, Calif. In and out terminal cleaning tool. 2,003,629; June 4.
Cohn, Herman, Baltimore, Md. Necktie holder. 2,003,740; June 4.
Cole, Raymond A. (See Belden, A. G., and Cole.)
Combustion Utilities Corporation. (See Klees, Albert L., assignor.)
Compagnie Royale Asturienne des Mines. (See Guignet, Léon A., assignor.)
Conant, John H., assignor to Holyoke Heater Company, Holyoke, Mass. Heater. 2,003,579; June 4.
Cone, Bessie, et al. (See Esterling, William M., assignor.)
Conlon, Thomas A. (See Gurney, D. A., and Conlon.)
Continental Can Company. (See Trombly, Alexander A., assignor.)
Continental-Diamond Fibre Company. (See Landt, Gustave K., assignor.)
Continental Illinois Bank and Trust Company. (See Banker, Oscar H., assignor.)
Continental Motors Corpoation. (See Kalb, Lewis P., assignor.)
Continental Motors Corporation. (See Timian, Harold H., assignor.)
Cooper-Bessemer Corporation. (See Bovard, Charles M., assignor.)
Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)
Corbella, Theophile, Garwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for working materials. 2,003,426; June 4.
Corless, Thomas K., Long Island City, N. Y. Muffler. 2,003,500; June 4.
Cornell, Fritz G., Jr., Mountain Lakes, N. J. Treatment of cream. 2,003,427; June 4.
Cota, Fernando B. (See Hodges, G. F., and Cota.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Couch, Forrest J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Double side ironer. 2,003,903; June 4.
Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Volume control for transmission circuits. 2,003,428; June 4.
Cox, George D., assignor to Williams and Marcus Company, Philadelphia, Pa. Data sheet holder. 2,003,854; June 4.
Cox, Henry L., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Liquid composition. 2,003,429; June 4.
Cox, Henry L., South Charleston, W. Va., and L. J. Clapsadle, Buffalo, N. Y., assignors to Carbide and Carbon Chemicals Corporation. Liquid medium for heat and pressure transfer. 2,003,662; June 4.
Craigshead, Magruder, Greenburgh, N. Y. Underground conduit construction. 2,003,580; June 4.
Crane Co. (See Sorensen, Alfred K., assignor.)
Crickmer, Charles S., Dallas, Tex., and H. R. Standlee, Tulsa, Okla., assignors to The Gulberson Corporation, Dallas, Tex. Flexible pump plunger. 2,003,679; June 4.
Criswell, Walter H., Seattle, Wash. Repairing tire casings. 2004,037; June 4.
Crockett, Robert E., Pompton Lakes, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Apparatus for removing magnetic from nonmagnetic material. 2,003,430; June 4.
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety support for brake rods. 2,003,802; June 4.
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety support for brake rods. 2,003,803; June 4.
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Cummings, Tom. (See Shinn, J. V., and Cummings.)
Cuppies Company, Manufacturers. (See Thener, Arthur F., assignor.)
Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel retainer. 2,003,924; June 4.
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Timing mechanism. 2,004,038; June 4.
Dahlgren, Fredrik. (See Dillström, T. V., Astradsson, and Dahlgren.)
Daller, Adrian O., Dennisport, Mass., assignor to Daller Carton Co., Inc., New York, N. Y. Container. 2,003,925; June 4.
Daller Carton Co. (See Daller, Adrian O., assignor.)
Dalton, William T., Anstead, W. Va. Mine car bumper. 2,003,645; June 4.
Daly, Charles, Jr., St. Louis, Mo. Adjustable scaffold. 2,003,881; June 4.
Daniel, Clarence P., Bristol, Va. Mine car. 2,003,878; June 4.
Daughdrill, James H., assignor to Calloway Mills, LaGrange, Ga. Production of laundry pads. 2,003,741; June 4.
David & Lewis. (See De Spain, Thomas H., assignor.)
Davis, Clarence R., assignor to Davis Tool & Engineering Company, Detroit, Mich. Automobile license plate holder. 2,003,343; June 4.
Davis, Ernest, and A. Kagi, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Table model pressing machine. 2,003,501; June 4.
Davis Tool & Engineering Company. (See Davis, Clarence R., assignor.)
D'Avocourt, Pierre de Vitry, Basses-Pyrenees, France. Marble-sawing wire. 2,003,994; June 4.
De Biasio, Michele, Wilkes-Barre, Pa. Foot aerating device. 2,003,646; June 4.
De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photo-electric tube. 2,003,344; June 4.
Deere & Company. (See Johnson, Ellsworth T., assignor.)
De Forest, Lee, Hollywood, Calif., assignor to American Television Laboratories, Inc. Television receiving and projecting. 2,003,680; June 4.
De Laval Separator Company, The. (See Andersson, Gustav H., assignor.)
De Laval Separator Company, The. (See Erling, Sven J., assignor.)
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
De Lange, Samuel. (See von Forster, H., and de Lange.)
Demag Aktiengesellschaft. (See Wilsing, Paul, assignor.)
De Maris, Elmer L., Los Angeles, Calif. Device for orienting test cores. 2,003,345; June 4.
Dennison, Brook J. (See Fix, E. L., and Dennison.)
Derrah, Robert V., Beverly Hills, Calif. Torque transmission device. 2,003,825; June 4.
Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Pilot light. 2,004,039; June 4.
De Spain, Thomas H., Paducah, Ky., assignor, by mesne assignments, to David & Lewis, New York, N. Y. Sewing machine. 2,003,879; June 4.
Deutsche Celluloid-Fabrik. (See Weihe, Adolf, assignor.)
Deutsche Gold & Silber-Scheideanstalt vormals Roessler. (See Naujoks, Erich, assignor.)
De Vilbiss Company, The. (See Buzzard, G. H., and Tracy, assignors.)
De Vry, Herman A., Chicago, Ill. Stereoscope. 2,003,480; June 4.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Hosiery form. 2,003,707; June 4.
Dictograph Products Company. (See Koch, Henry, assignor.)
Diebold Safe & Lock Co. (See Miller, W. C., and Abbott, assignors.)
Dietrich, Wilhelm, and M. Harder, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Desulphurization and oxidation of hydrocarbons. 2,003,584; June 4.
Dilks, Charles F. (See Eaves, W. C., and Dilks.)
Dillström, Torbjörn V., and P. A. Åstradsson, Stockholm, and F. Dahlgren, Djursholm, near Stockholm, Sweden. Electric motor. 2,003,647; June 4.
Dings Magnetic Separator Co. (See Crockett, Robert E., assignor.)
Ditcham, William T., Chelmsford, Essex, England, assignor to Radio Corporation of America. Signaling. 2,003,285; June 4.
Dinfilhac, Jean G., assignor to Society "Yacco S. A. F.", Paris, France. Air cooling system for motors. 2,004,040; June 4.
Dodge, John H., et al., trustees. (See Dodge, John S., assignor.)
Dodge, John S., Paxton, assignor to H. Sinclair, J. H. Dodge, Worcester, and L. C. Smith, Newton Center, Mass., trustees. Reversible ratchet wrench. 2,003,346; June 4.
Doherty Research Company. (See Morgan, J. D., and Levitt, assignors.)
D'Ollier, Henry, Jr., Bridgeport, Conn. Electrical connecter and fixture support. 2,003,966; June 4.
Dowden, William T. (See Hester, Loring B., assignor.)
Doyle, Edgar D., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measuring apparatus. 2,003,681; June 4.
Dreis, Edward J., San Francisco, Calif. Clutch for punch presses. 2,003,529; June 4.
Dreyfus, Henry, London, England. Manufacture of cellulose or cellulosic materials. 2,003,347; June 4.
Driver, John M., San Francisco, Calif. Utilization of cellulosic films, sheets, and the like. 2,004,041; June 4.
Du-Gas Fire Extinguisher Corporation. (See Meigs, Charles H., assignor.)
Dulac, Pierre, Paris, assignor to Societe Charles Chedeville, Albert Lelandais et Cie., Eure, France. Machine for cutting and resharpening the reeds of wind instruments. 2,003,348; June 4.
Dumble, Clifford R., Arlington, assignor to W. B. Spieler, Brookline, Mass. Dispensing and game playing machine. 2,003,349; June 4.
Duncan, William A., Statesville, N. C. Table with foldable leaves. 2,003,926; June 4.
Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Method and apparatus for heating with steam. 2,003,585; June 4.

Dunlop Tire and Rubber Corporation. (See Twiss, D. F., and Jones, assignors.)
Duplate Corporation. (See Fix, E. L., and Dennison, assignors.)
Duplate Corporation. (See Zola, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Brown, Wallace E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Izard, Emmette F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lee, Henry R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Spiegler, Louis, assignor.)
Du Pont, E. I., de Nemours & Company. (See Vittengl, Morgan J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Durdin, Augustus C., 3d, assignor to Chicago Pump Company, Chicago, Ill. Pump. 2,003,350; June 4.
Durirron Company, The. (See Jacobsen, Oystein, assignor.)
Dwork, Max, Brooklyn, N. Y. Jacking attachment. 2,003,502; June 4.
Eagle Manufacturing Company. (See Paull, Samuel O., assignor.)
Eagle-Picher Lead Company, The. (See Gregory, F. E., and Hallows, assgnors.)
Eason, Sidney L., Charleston, S. C. Roofing or surfacing material. 2,003,503; June 4.
Easthampton Rubber Thread Co. (See Shaw, Kenneth R., assignor.)
Eaves, William C., and C. F. Dilks, Long Island City, assignors to Hoovenaire Corporation, New York, N. Y. Pneumatic sound reproducer and projector. 2,003,880; June 4.
Eberhardt, Otto Karlsbad, Czechoslovakia, assignor to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle/Saale, Germany. Cleaning heating surfaces. 2,004,042; June 4.
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Ecoff, Francis A., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Hatch cover operating means. 2,003,927; June 4.
Eells, Paul W., assignor to Le Roi Company, West Allis, Wis. Power control. 2,003,351; June 4.
Ehrhart, Gustav. (See Bockmühl, M., Krohs and Ehrhart.)
Ehrke, Louis F., Newark, N. J., assignor to Westinghouse Lamp Company. Clad metal and producing the same. 2,003,481; June 4.
Einhorn, Nathan, Philadelphia, Pa. Guilding action for various valves and slides for musical, brass, and other instruments. 2,003,995; June 4.
Eisenbauer, Warren F., assignor to Anderson Manufacturing Company, Cambridge, Mass. Tool for reservicing springs equipped with spring covers. 2,003,708; June 4.
Eisenbauer, Warren F., Cambridge, and W. T. Ferguson, Waban, assignors to Anderson Manufacturing Company, Cambridge, Mass. Tool for reservicing springs equipped with spring covers. 2,003,709; June 4.
Ekholm, Herbert W., and E. G. Busse, assignors to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 2,003,530; June 4.
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Electrical Patent Holding Corporation. (See Johnson, Gustave A., assignor.)
Electrons, Inc. (See Riggs, Alger S., assignor.)
Electrolux Servel Corporation. (See Taylor, Robert S., assignor.)
Elliott, Philip H., Charleston, assignor to Chemical Manufacturing Company, Point Pleasant, W. Va. Apparatus for utilizing heat transferring medium. 2,003,742; June 4.
Ellstrom, Elmer G., and W. P. Hicks, Webster Groves, assignors to Sefton National Fibre Can Co., Maplewood, Mo. Spool. 2,003,663; June 4.
Engels, Hans, Offenbach-on-the-Main, assignor to the firm Oswald Rögner, Offenbach-on-the-Main, Germany. Producing patterns on dark colored skins or leathers. 2,004,043; June 4.
Englehart, Harry. (See Frye, Fred L. and J. K., assignors.)
Enock, Arthur G., Wembley Park, assignor to Auto Dairy Pioneers Limited, London, England. Capping of bottles and an apparatus therefor. 2,003,682; June 4.
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Enterprise Railway Equipment Company. (See Campbell, A., and Willard, assignors.)
Epley, Frederic L., North Pelham, assignor to The Superheater Company, New York, N. Y. Oil field superheater. 2,003,826; June 4.
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Erling, Sven J., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Milking machine connecter and pneumatic and electric conductor thereof. 2,003,586; June 4.
Errig, William F., Philadelphia, and G. M. Pfundt, Churchville, assignors to Peco Manufacturing Corporation, Philadelphia, Pa. Pipe cutter. 2,003,630; June 4.
Esterling, William M., Long Beach, assignor of fifteen per cent to H. Walters, fifteen per cent to M. P. Walters, five per cent to C. Kling, and/or Ida M. Kling, eighteen per cent to B. M. Cone, two per cent to Z. B. West and F. G. West known as West & West and twenty per cent to R. F. Wussow, Santa Ana, Calif. Oil burner. 2,003,827; June 4.
Evans, John G., and L. G. Lawrie, Blackley, Manchester, Westminster, England, assignors to Imperial Chemical Industries Limited, Westminster, England. Stripping and discharging dyed textiles. 2,003,928; June 4.
Evans, Roland D., Granite City, Ill., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lantern. 2,003,352; June 4.
Evans, Will, Hawthorne, Calif. Mop. 2,003,286; June 4.
Ey, Victor, New York, N. Y. Pressure regulating and filtering device for fluids. 2,003,828; June 4.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fageol, William B., Kent, Ohio. Motor vehicle control. 2,003,431; June 4.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Rotor for electric motors. 2,003,587; June 4.
Fairmont Railway Motors, Inc. (See Protzeller, Harry W., assignor.)
Faige, Robert N., Birmingham, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lens. 2,003,804; June 4.
Faige, Robert N., Anderson, Ind., and C. E. Godley, Ypsilanti, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Headlamp. 2,003,805; June 4.
Falls, Robert L., Charlotte, N. C., assignor of five per cent to J. F. Kelley, Rock Hill, S. C. Composition and preparing same. 2,003,789; June 4.
Fancher, Howard M., assignor to The Rochester Folding Box Co., Rochester, N. Y. Easel construction. 2,003,482; June 4.
Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Syncro Machine Company, Newark, N. J. Automatic stop device. 2,003,353; June 4.
Fantone, Charles B., Lyndhurst, and E. G. Parvin, Roselle, assignors to Syncro Machine Company, Newark, N. J. Machine for applying a web to a strand. 2,003,354; June 4.
Farkas, Eugene, New York, N. Y. Vanity box. 2,003,355; June 4.
Fedden, Alfred H. R., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Sleeve-valve mechanism for internal combustion engines. 2,003,743; June 4.
Felten & Guilleaume Carlswerk Actien Gesellschaft. (See Zapf, Georg, assignor.)
Felters Company, The. (See Bowden, James G., assignor.)
Felters Company, The. (See Hansel, Lawrence H., assignor.)
Ferguson, Warren T. (See Eisenbauer, W. F., and Ferguson.)
Fiegel, Stella M., Marshall, Tex. Brush and comb combination for packets. 2,004,044; June 4.
Finch, Arnold R., assignor to West Bend Aluminum Co., West Bend, Wis. Mold. 2,003,432; June 4.
Fingado, Rudolf. (See Wahl, O., Müller, and Fingado.)
Finzer Brothers Clay Company, The. (See Finzer, Charles S. and E. G., assignors.)
Finzer, Charles S. and E. G., assignors to The Finzer Brothers Clay Company, Sugarcreek, Ohio. Veneer wall construction. 2,003,996; June 4.
Finzer, Edward G. (See Finzer, Charles S. and E. G.)
Fischel, Eduard, Berlin-Charlottenburg, and G. Rieper, Berlin-Marlendorf, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fluid compass. 2,003,929; June 4.
Fischel, Eduard, Berlin-Charlottenburg, assignor to Siemens-Apparate und Maschinen G. m. b. H., Berlin, Germany. Automatic rudder control device. 2,003,930; June 4.
Fischer, Ulrich. (See Chatelain, Arthur B., assignor.)
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Demountable truck body. 2,003,287; June 4.
Fitzpatrick, John. (See Melton, R. L., and Fitzpatrick.)
Fix, Earl L., New Kensington, and B. J. Dennison, Tarentum, Pa., assignors to Duplate Corporation. Laminated glass and making the same. 2,003,288; June 4.
Flockhart, James, Newark, N. J. Oil cooler. 2,003,744; June 4.
Fontaine, Robert A. (See Schottland, M. R., and Fontaine.)
Foudem, David S., New York, N. Y. Child's garment. 2,003,683; June 4.
Foothorap, Harry A., Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Crossfooter register. 2,003,997; June 4.
Ford, James B., Tulsa, Okla. Aircraft body. 2,003,433; June 4.
Ford, Jay T. (See Randolph, D. W., and Ford.)
Forsberg, Ted, San Leandro, Calif. Gas generator for fumigation purpose. 2,003,745; June 4.
Francois Cementation Company Limited, The. (See Chevrillon, Louis, assignor.)

Frantz, Emile, San Francisco, Calif. Incense. 2,003,684; June 4.
Fraser, Gordon, N., and J., Arbroath, Angus, Scotland. Silver roll forming machine. 2,004,045; June 4.
Fraser, John. (See Fraser, Gordon, N., and J.)
Fraser, Norman. (See Fraser, Gordon, N., and J.)
Fredrickson, Gustav, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric heater. 2,003,855; June 4.
Freeman, John R., Jr., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Aluminum brass alloy. 2,003,685; June 4.
Friedrich, Max, Chicago, Ill. Sand braking device, particularly adapted for use on automobiles. 2,003,631; June 4.
Frye, Fred L. and J. K., New Boston, Ill., assignors of one-half to H. Englehart, Davenport, Iowa. Combined jack and wheel and gear puller. 2,003,648; June 4.
Frye, Jason S., Sacramento, assignor of one-third to C. E. Baker, one-third to A. I. Richards, and one-third to H. M. Rich, Sacramento, Calif. Fuse igniter. 2,003,483; June 4.
Frye, John K. (See Frye, Fred L. and J. K.)
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,003,783; June 4.
Funk, Ernest R. (See Ryan, E., and Funk.)
Gabel, John, Mfg. Co., The. (See Brandstrom, Folke A., assignor.)
Galante, Ermanno, Woburn, Mass. Metal connection for frame members. 2,003,531; June 4.
Ganz, Joseph, Frankfort-on-the-Main, Germany. Oscillatable pivotally mounted axle. 2,004,063; June 4.
Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Grinding and polishing machine. 2,003,504; June 4.
Gaudry, Louis A., Greenfield, Mass. Protective device for elevators and elevator shaftways. 2,003,588; June 4.
Gauthier, Edouard, Timmins, Ontario, Canada. Door operating apparatus. 2,003,484; June 4.
Gebres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Exhaust manifold and connection. 2,003,485; June 4.
Gelbman, Louis, Yonkers, N. Y. Building block machines. 2,003,635; June 4.
Gelsthorp, Frederick, and W. G. Koupal, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Making plate glass. 2,003,289; June 4.
General Aniline Works, Inc. (See Ballauf, F., and Schmelzer, assignors.)
General Aniline Works, Inc. (See Perthold, H., Krauss, and Hagenbücker, assignors.)
General Aniline Works, Inc. (See Herz, R., and Schubert, assignors.)
General Aniline Works, Inc. (See Koeberle, K., and Floetz, assignors.)
General Aniline Works, Inc. (See Wahl, O., Müller, and Fingado, assignors.)
General Bronze Corporation. (See Peremi, E., and Kish, assignors.)
General Chemical Company. (See Shinn, J. V., and Cummings, assignors.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Carlson, G., and Knoderer, assignors.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See Knoderer, Homer G., assignor.)
General Household Utilities Company. (See Jordan, James D., assignor.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Chase, Theron P., assignor.)
General Motors Corporation. (See Faige, Robert N., assignor.)
General Motors Corporation. (See Faige, R. N., and Godley, assignors.)
General Motors Corporation. (See Fredrickson, Gustav, assignor.)
General Motors Corporation. (See Little, John H., assignor.)
General Motors Corporation. (See McDougal, Taine G., assignor.)
General Motors Corporation. (See Nutt, Frank N., assignor.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Randolph, D. W., and Ford, assignors.)
General Motors Corporation. (See Randolph, D. W., and Rabezzana, assignors.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
General Motors Corporation. (See Van Degrift, Thomas C., assignor.)
General Railway Signal Company. (See Langdon, Andrew, assignor.)
General Railway Signal Company. (See Stephenson, James E., assignor.)
General Railway Signal Company. (See Phinney, Robert M., assignor.)
General Research Corporation. (See Lotts, Delbert L., assignor.)
Gensburg, Myer, Chicago, Ill. Game apparatus. 2,003,356; June 4.
Gensch, Karl. (See Kronemann, E., and Gensch.)
Geophysical Research Corporation. (See Born, William T., assignor.)
Gesellschaft des ächten Naxos-Schmirgels Naxos-Union Schmirgel-Dampfwerk Frankfurt a. m. Julius Pfungst. (See Grundstein, Julius, assignor.)
Gesellschaft für Drucktransgformatoren (Koenemann-Transformatoren) G. m. b. H. (See Koenemann, E., and Gensch, assignors.)
Giaimo, Charles V., Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Circuit breaker. 2,003,686; June 4.
Gibbins, Leslie B. (See Taylor, W. I., and Gibbins.)
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
Gilbert, Alfred C., North Haven, and A. A. Arnold, assignors to The A. C. Gilbert Company, New Haven, Conn. Mixing apparatus. 2,003,829; June 4.
Gilbert, A. C., Company, The. (See Gilbert, A. C., and Arnold, assignors.)
Gilbert, Alfred C., North Haven, assignors to The A. C. Gilbert Company, New Haven, Conn. Heating pad. 2,003,830; June 4.
Gilbert, Alfred C., North Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Mixing apparatus. 2,003,931; June 4.
Gilbert, Kenmon R. (See Studley, O. A., and Gilbert.)
Gilchrist, William A., Chicago, Ill. Apparatus for clarification. 2,003,357; June 4.
Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Warning signal. 2,003,505; June 4.
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gimbel, Conrad, North Bend, Wash. Box cover attaching clip. 2,003,856; June 4.
Glaser, Jacob L., and S. Segal, Brooklyn; said Segal assignor of one-fourth to C. M. Palmer, New York, N. Y. Eyelash curler. 2,004,046; June 4.
Glaves, Archie H., Toledo, Ohio, assignor to H. A. Wallace, Secretary of Agriculture, of the United States of America. Self-aligning disk jointer. 2,003,831; June 4.
Globar Corporation. (See Hediger, Ernst, assignor.)
Globar Corporation. (See Boyer, John A., assignor.)
Globe Iron Roofing & Corrugating Company, The. (See Little, Howard J., assignor.)
Globe Steel Tubes Co. (See Nygren, K. A., and Zschiesche, assignors.)
Globe-Wernicke Company, The. (See Schmitz, Fred A., assignor.)
Gloor, George A., Dearborn, Mich. Beverage cooling and dispensing device. 2,003,532; June 4.
Godley, Charles E. (See Faige, R. N., and Godley.)
Goldhaumer, Leo, Munich, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Phonograph. 2,003,434; June 4.
Goodhart, Louis, St. Louis, Mo. Floor drain. 2,003,770; June 4.
Goodman, Solomon, Brooklyn, N. Y. Lace yoke and making the same. 2,003,998; June 4.
Gordon, Joseph C., assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla. Apparatus for treating liquids. 2,003,589; June 4.
Goss, Albert, Dunedin, Fla. Collapsible tube cap. 2,003,506; June 4.
Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Filtration of wax from oil. 2,003,664; June 4.
Graf, Emil, Jamaica, assignor of one-half to H. E. Rubens, New York, N. Y. Coin testing device. 2,003,771; June 4.
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Headlight. 2,003,687; June 4.
Graham, Herbert W., and S. L. Case, Pittsburgh, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metal body resistant to fluctuating stresses. 2,003,710; June 4.
Gram, Thomas, assignor to Techno-Chemical Laboratories, Limited, London, England. Harvesting of peat or peat forming materials more especially in connection with the production of peat powder. 2,004,047; June 4.
Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. System for indicating the presence and location of fire. 2,003,358; June 4.
Gray, Alvin N., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulated conductors. 2,003,772; June 4.
Gray Telephone Pay Station Company, The. (See Long, George A., and W. W., assignors.)
Green, Charles W., Millburn, and H. S. Black, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling and power supply system. 2,003,967; June 4.
Green, Mason V., assignor to F. D. Hayes, Lansing, Mich., trustee for F. D. Hayes Electric Company. Electric door opening device. 2,003,533; June 4.

Green, Mason V., assignor to F. D. Hayes, trustee for F. D. Hayes Electric Company, Lansing, Mich. Motor operated door control. 2,003,534; June 4.
Gregory, Fred E., Galena, Kans., and R. L. Hallows, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Treating lead sulphide mineral. 2,003,711; June 4.
Greig, John W., Detroit, Mich. Radio direction finder. 2,003,932; June 4.
Greig, John W., Detroit, Mich. Three dimension radio direction finder. 2,003,933; June 4.
Griesser, George J., et al. (See Stark, John F., assignor.)
Grimm, John E., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radiocabinet. 2,003,436; June 4.
Groff, William C., and W. C. Siebens, St. Louis, Mo. Protecting device for automobile upholstery. 2,003,435; June 4.
Gross, Herman, New York, N. Y. Burner guard for cooking utensils. 2,003,773; June 4.
Grosset, Georges, Montreuil Sous Bois, V. Hudeley, Clichy, and J. Lagrave, Paris, France. Auto-collimated objective for color photography. 2,003,881; June 4.
Gruber, Edward, Cleveland, assignor to E. E. Allyne, Shaker Heights, Ohio. Absorption refrigerating apparatus. 2,003,437; June 4.
Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Looper mechanism for sewing machines. 2,003,882; June 4.
Gruna, Andrew, Union City, and F. Radhuber, North Bergen, N. J., assignors to Michael Zimic, Forest Hills West, N. Y. Stop motion for knitting machines. 2,003,774; June 4.
Grundstein, Julius, assignor to Gesellschaft des ächten Naxos-Schmirgels Naxos-Union Schmirgel-Dampfwerk Frankfurt a. m. Julius Pfungst, Frankfort-on-the-Main, Germany. Device for spherical grinding on circular grinding machines. 2,003,883; June 4.
Grundy, John R., assignor to Chasles Bond Company, Philadelphia, Pa. Flexible coupling. 2,003,848; June 4.
Guedry, Edith A., administratrix. (See Guedry, France E., assignor.)
Guedry, France E., deceased, by E. A. Guedry, administratrix, assignor to E. A. Guedry, Fort Worth Tex. Envelope-filling machine. 2,004,048; June 4.
Guilberson Corporation, The. (See Crickmer, C. S., and Stanlee, assignors.)
Guide Lamp Corporation. (See Arbuckle, Samuel F., assignor.)
Guignet, Léon A., La Varenne Ste., Hilaire, assignor to The Compagnie Royale Asturienne des Maines, Paris, France. Tool for making cartridge shells. 2,003,438; June 4.
Gulf Research Development Corporation. (See von Forster, H., and de Lange, assignors.)
Gulljas, Nicholas L., Jr., South Bend, Ind. Quick-detachable lamp and socket. 2,003,507; June 4.
Gulliford, Nicholas L., deceased, Peabody, by A. T. Gulliford, Lynn, Mass., administrator, assignor to Gulliford Wood Heel Company. Heel breasting machine. 2,004,070; June 4.
Gulliford, Archibald T., administrator. (See Gulliford, Nicholas L.)
Gulliford Wood Heel Company. (See Gulliford, Nicholas L., assignor.)
Gurney, Dayton A., Silver Spring, Md., and T. A. Conlon, Caro, Mich. Gun. 2,003,290; June 4.
Gylleck, Olaf T. (See Lee, J. E., Gylleck, and Barney.)
Habersin, Julius. (See Rozzer, G., and Habersin.)
Hacker, Horace W., La Grange, Ill. Printing plate base. 2,003,712; June 4.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 2,003,999; June 4.
Hagenbucker, Alfred. (See Berthold, H., Krauss, and Hagenbücker.)
Haiste, John H. (See Riseam, William, assignor.)
Hale, Jesse W., Newton Center, Mass. Centrifugally controlled valve. 2,003,857; June 4.
Halford, Marion E., Greensboro, N. C. Control valve for automatic sprinkler systems. 2,003,884; June 4.
Hall, Earl K. (See Weaver, I. A., Squyer, and Hall.)
Hallows, Raymond L. (See Gregory, F. E., and Hallows.)
Halpern, Max, and W. Mayer, New York, N. Y. Adjustable necktie. 2,003,359; June 4.
Hammer, Charles, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Metal container. 2,003,784; June 4.
Handlan-Buck Manufacturing Company. (See Evans, Roland D., assignor.)
Hankins, Thomas J., Jr., Springfield, N. J., assignor to Westinghouse Lamp Company. Heat treatment of metals. 2,003,486; June 4.
Hannesschlager, Otto, Houston, Tex. Strainer. 2,004,071; June 4.
Hansel, Lawrence H., Brookline, assignor to The Felters Company, Boston, Mass. Grease retaining washer for bearings. 2,003,934; June 4.
Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weighing scale. 2,003,360; June 4.
Hansgirg, Fritz, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Producing substantially pure magnesium. 2,003487; June 4.
Hanson Scale Company. (See Hansen, Marius H., assignor.)
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine check valve chamber. 2,003,590; June 4.
Harder, Max. (See Dietrich, W., and Harder.)
Hardy, James Harris, Columbus, Miss. Gauge. 2,003,439; June 4.
Harless, William H., Patchogue, N. Y. Parking device for automobiles. 2,003,361; June 4.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration absorbing worm. 2,003,440; June 4.
Harry, Gordon W. (See Babitch, A. M., and Harry.)
Hartford-Empire Company. (See Ingle, Henry W., assignor.)
Haskin, Joseph J., Oakland, Calif. Fish pole holder. 2,003,535; June 4.
Hass, Henry B., and E. T. McBee, assignor to Purdue Research Foundation, West Lafayette, Ind. Chlorination process and product thereof. 2,004,072; June 4.
Hass, Henry B., and E. T. McBee, assignors to Purdue Research Foundation, West Lafayette, Ind. Chlorinating propane and its partially chlorinated derivatives. 2,004,073; June 4.
Hasselbach, Alexander, Dessau, Germany. Heat exchange apparatus. 2,003,649; June 4.
Hathaway, Clarence B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power-supply system for electric shovels and the like. 2,003,688; June 4.
Hause, Daniel M. (See Imler, G. C., and Hause.)
Hayden, Howard A., Detroit, Mich. Self locking nut. 2,003,591; June 4.
Hayes, F. D., Electric Company. (See Green, Mason V.)
Hayes, Frank D., trustee. (See Green, Mason V., assignor.)
Hazel-Atlas Glass Company. (See Stenhouse, David, assignor.)
Headington, Florence E., Iowa City, Iowa. Book, chart, and reference holder. 2,003,746; June 4.
Heald Machine Company, The. (See Highberg, Carle J., assignor.)
Hebebrand, George H., St. Louis, Mo. Driving mechanism for producing gyrator movement. 2,003,441; June 4.
Hechenbleikner, Ingenuin, Charlotte, N. C., and T. C. Oliver, Great Neck, and S. F. Spangler, Flushing, N. Y., assignors to Chemical Construction Corporation, Charlotte, N. C. Manufacture of sulphuric acid from hydrogen sulphide gas. 2,003,442; June 4.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Process and apparatus for manufacture of nitric acid. 2,004,000; June 4.
Hediger, Ernst, assignor to Globar Corporation, Niagara Falls, N. Y. Glaze for non-metallic resistors. 2,003,592; June 4.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 2,003,536; June 4.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oil. 2,003,537; June 4.
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Roving frame builder motion. 2,003,362; June 4.
Henkle, Louis R., Lawrenceburg, Ind., assignor to Pneumatic Process Corporation, St. Louis, Mo. Apparatus for conditioning grain. 2,004,001; June 4.
Hennecberger, Thomas C., Caldwell, N. J., assignor to American Telephone and Telegraph Company. Contactor indicator. 2,003,443; June 4.
Henry, Donald E. (See Rentschler, H. C., and Henry.)
Hercules Powder Company. (See Norton, Sereno G., assignor.)
Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)
Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing amino-aryl-thiazole-compounds. 2,003,444; June 4.
Hester, Loring B., assignor of one-third to W. T. Dowden, Tallahassee, Fla. Chock. 2,003,747; June 4.
Hickey, Daniel W., St. Paul, Minn. Pipe elbow. 2,003,538; June 4.
Hickman, Clarence N., Jackson Heights, and E. C. Wente, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic telegraphone system. 2,003,968; June 4.
Hicks, William P. (See Ellstrom, E. G., and Hicks.)
Highberg, Carle J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 2,003,713; June 4.
Hill, Rowland, Cheadle Hulme, England, assignor to Imperial Chemical Industries Limited. Resinous composition. 2,003,291; June 4.
Hisey-Wold Machine Company, The. (See Ritz, Emil, Jr., assignor.)
Hochstetter, Paul E. (See Jordan, R. H., and Hochstetter.)
Hodges, George F., and F. B. Cota, San Diego, Calif. Carburetor. 2,003,363; June 4.

Hoekstra, Harold D., Kenmore, N. Y. Retractable landing gear. 2,003,885; June 4.
Hoffeld, Louis, New York, N. Y. Combined sweat-band and removable lining. 2,003,886; June 4.
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Method of and apparatus for regulating constant volume explosion chambers. 2,003,292; June 4.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion chamber. 2,003,293; June 4.
Holyoke Heater Company. (See Conant, John H., assignor.)
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Homeyer, August H. (See Whitmore, F. C., Homeyer, and Trent.)
Hook, Ira T., New Haven, assignor to The American Brass Company, Waterbury, Conn. Threadless pipe connection and making same. 2,003,488; June 4.
Hooker Electrochemical Company. (See Scott, W. B., Bovier, and Matthews, assignors.)
Hoovenaire Corporation. (See Eaves, W. C., and Dilks, assignors.)
Hoover, Charles E., Lancaster, Pa. Connecting cables to batteries. 2,004,049; June 4.
Hopkins, William E., Pittsburgh, Pa. Toy. 2,003,748; June 4.
Hopkinson, Lawrence T., Washington, D. C. Production of fertilizer. 2,003,887; June 4.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system. 2,003,294; June 4.
Hosking, George T., assignor of one-fourth to T. G. Phillips, Somerville, Mass., and one-fourth to G. R. Lewis, Waterbury, Conn. Combination lock with electrical switch control. 2,003,650; June 4.
House, Frank R. (See Bassett, P. R., and House.)
Howard, Joseph A., Streatham Hill, London, England. Manufacture of upholstery padding. 2,003,935; June 4.
Huber, Albert F. (See Strong, J. B., and Huber.)
Hucal, Wasyl, Chicago, Ill. Milling machine. 2,003,936; June 4.
Hudeley, Victor. (See Grosset, G., Hudeley and Lagrave.)
Hufferd, George H., assignor to Thompson Products, Incorporated, Detroit, Mich. Universal joint. 2,003,539; June 4.
Hughes, Ausker E., Orlando, Fla., dedicated to the free use of the public. Fruit testing device. 2,003,749; June 4.
Hunt, Franklin L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture set. 2,003,937; June 4.
Husson, Harry L., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Humidifying apparatus. 2,003,938; June 4.
Hydraulic Brake Company. (See McDougall, George F., assignor.)
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Goldhammer, Leo, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schweitzer, Eugen, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dietrich, W., and Harder, assignors.)
Ichter, John H., Ashley, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributor. 2,003,445; June 4.
Illinois Watch Case Company. (See Irelan, Ellison S., assignor.)
Imler, Glover C., and D. M. Hause, Seminole, assignors of one-third to R. L. Imler, Tulsa, Okla. Well tubing hanger. 2,003,446; June 4.
Imler, Robert L. (See Imler, G. C., and Hause, assignors.)
Imperial Chemical Industries Limited. (See Evans, J. G., and Lawrie, assignors.)
Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)
Imperial Chemical Industries Limited. (See Tonkin, R., and Wilson, assignors.)
Imperial Chemical Industries Limited. (See Whitworth, Edward, assignor.)
Indergand, Joseph, Baar, Switzerland, assignor to Landis & Gyr, A-G. Electricity meter. 2,003,939; June 4.
Indian Refining Company. (See Govers, Francis X., assignor.)
Industrial Patents Corporation. (See McKee, Harry H., assignor.)
Ingle, Henry W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. High speed bottle making process. 2,003,940; June 4.
Ingraham, E., Company, The. (See Burghoff, Louis L., assignor.)
Ingraham, E., Company, The. (See Ingraham, Dudley S., assignor.)
Ingraham, Dudley S., assignor to The E. Ingraham Company, Bristol, Conn. Modulated alarm clock. 2,003,785; June 4.
International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Business Machines Corporation. (See Rieger, Paul, assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Patents Development Company. (See Kelling, Alfred H., assignor.)
Irelan, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Container lid. 2,003,540; June 4.
Irmscher, Hans, assignor to Millie Patent Holding Co. Inc., New York, N. Y. Feeding mechanism for printing presses. 2,003,364; June 4.
Izard, Emmette F., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 2,003,295; June 4.
Jacobs, Oliver B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmission system. 2,003,969; June 4.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Heat exchanger. 2,003,593; June 4.
James Manufacturing Company. (See Shodron, John G., assignor.)
Jameson, Reuben M. (See Fantone, C. B., and Jameson.)
Jamieson, Charles C., Jacksonville, Fla. Constructing asphalt pavement with natural aggregates. 2,003,888; June 4.
Jawort, Frank A., assignor of one-half to J. A. Westland, Spokane, Wash. Baker's peel. 2,003,541; June 4.
Jay, Webb, Miami Beach, Fla., and L. Pengilly, San Francisco, Calif., said Pengilly assignor to said Jay. Cigarette vending machine. 2,003,489; June 4.
Jeffrey, Douglas C., and H. J. Wolfe, Akron, N. Y., assignors to Universal Gypsum & Lime Co., Chicago, Ill. Weighing and mixing mechanism. 2,003,832; June 4.
Jencick, Stephen, Chagrin Falls, Ohio. Propeller shaft. 2,003,508; June 4.
Jencick, Stephen, Chagrin Falls, Ohio. Tappet. 2,003,509; June 4.
Jennison, Herbert C., Bridgeport, and R. B. Montgomery, Seymour, assignors to the American Brass Company, Waterbury, Conn. Making deoxidized copper. 2,003,296; June 4.
Jennison, Herbert C., Bridgeport, and R. B. Montgomery, Seymour, assignors to The American Brass Company, Waterbury, Conn. Making deoxidized copper and copper alloys. 2,003,889; June 4.
Johns Manville Corporation. (See Christensen, George, assignor.)
Johns-Manville Corporation. (See Powell, Edward R., assignor.)
Johns Manville Corporation. (See Townshend, Bailey, assignor.)
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Typewriting machine. 2,003,858; June 4.
Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Agricultural implement. 2,003,365; June 4.
Johnson, Gunnar R., Milton, Mass. Bottle attachment. 2,003,594; June 4.
Johnson, Gustave A., Newark, N. J., assignor to Electrical Patent Holding Corporation, New York, N. Y. Portable electric heater. 2,003,714; June 4.
Johnston, Eugene E., Buffalo, N. Y. Gas price sign. 2,003,542; June 4.
Johnston, Marriott T., assignor to Walgreen Co., Chicago, Ill. Knockdown wall fixture. 2,003,633; June 4.
Jones, Frank N., Chicago, Ill. Projection unit. 2,003,890; June 4.
Jones, Frederick A. (See Twiss, D. F., and Jones.)
Jones & Laughlin Steel Corporation. (See Graham, H. W., and Case, assignors.)
Jordan, James D., Elmhurst, assignor, by mesne assignments, to General Household Utilities Company, Chicago, Ill. Separating solution components and effecting separation thereof. 2,003,543; June 4.
Jordan, Richard H., and P. E. Hochstetter, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Clothes spinner. 2,004,004; June 4.
Jordan, William M., Birmingham, Ala., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 2,003,356; June 4.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink fountain regulator. 2,003,544; June 4.
Joyce, Lyndon W., assignor to Southern Webbing Mills, Inc., Greensboro, N. C. Cord elastic suspender end assemblage. 2,003,750; June 4.
Jubilee Manufacturing Co. (See Gillet, Alexis F., assignor.)
Julich, Herman, New Rochelle, N. Y. Headgear. 2,003,367; June 4.
Kaczmarek, Eugen, Berlin-Hermsdorf, Germany. Dental plate. 2,003,891; June 4.
Kagi, Albert. (See Davis, E., and Kagi.)
Kahl, Leopold, Charlottenburg-Berlin, assignor to Rütgerswerke-Aktiengesellschaft, Berlin, Germany. Production of phenol. 2,003,041; June 4.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kaisser, Karl, Munich, Germany. Electrolytic treatment of liquids. 2,004,065; June 4.

Kalb, Lewis P., Grosse Pointe Village, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,004,002; June 4.
Kaltenbach, Robert W., Cleveland Heights, Ohio. System and apparatus for reeving counterweight cables. 2,003,715; June 4.
Kane, Henry F. (See Barnard, K. H., and Kane.)
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot for sewing machines. 2,003,665; June 4.
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Fabric-gripper. 2,003,942; June 4.
Karnopp, Karl W., Winnetka, Ill. Sterlizing apparatus. 2,003,651; June 4.
Katsaros, Michael et al. (See Stark, John F., assignor.)
Kauffman, Walter L., 2d., assignor to Lovell Manufacturing Company, Erie, Pa. Headed pin. 2,003,595; June 4.
Keller, Andreas R., Lombard, Ill. Examination and control device for wort handling equipment. 2,003,892; June 4.
Keller, Fred, and R. S. Merritt, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy. 2,003,297; June 4.
Keller, Rex E., Beverly Hills, Calif. Automatic transmission. 2,003,634; June 4.
Kelley, J. F. (See Falls, Robert L., assignor.)
Kelling, Alfred H., Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del. Lubricant. 2,003,368; June 4.
Kelsay, Le Roy W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable terminal. 2,003,447; June 4.
Ken-Crip Corporation. (See Kennedy, Guy L., assignor.)
Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Carburetor. 2,004,003; June 4.
Kerk, Paul C., Exton, assignor to J. Bishop & Company, Platinum Works, Malvern, Pa. Hypodermic needle package. 2,004,050; June 4.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler headers with enslugs. 2,003,780; June 4.
Kick, August, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,003,369; June 4.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
Kiley, Le Roy D., Larchmont, N. Y. Apparatus for and method of recovering vapors vented from storage tanks. 2,004,074; June 4.
Kimball, John A., Taylorville, Ill. Game apparatus. 2,003,370; June 4.
King, Walter G., and M. E. Krause, Chicago, Ill. Film reel. 2,003,510; June 4.
Kinsler, Albert J., and J. Kinsler, Pittsburgh, Pa. Door operator. 2,003,652; June 4.
Kinsler, Joseph. (See Kinsler, Albert J. and J.)
Kish, Charles. (See Peremi, E., and Kish.)
Kless, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. Heating process and apparatus. 2,003,943; June 4.
Kling, Charles, et al. (See Esterling, William M., assignor.)
Kling, Ida M., et al. (See Esterling, William M., assignor.)
Knoderer, Homer G. (See Carlson, G., and Knoderer.)
Knoderer, Homer G., Fairfield, Conn., assignor to General Electric Company. Weatherproof armored cable. 2,004,004; June 4.
Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Making contact devices for radio sockets and the like. 2,004,076; June 4.
Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Constant frequency oscillator. 2,003,371; June 4.
Koch, Earl L., Holding Corporation. (See Koch, Earl L., assignor.)
Koch, Henry, Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Automatic signal lock and release for switchboards. 2,003,689; June 4.
Koeberle, Karl, and E. Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing azanthracene derivatives. 2,003,596; June 4.
Koenemann, Ernst, and K. Gensch, assignors to Gesellschaft für Drucktransformatoren (Koenemann Transformatoren) G. m. b. H., Berlin, Germany. Evaporator, especially for high pressure steam. 2,004,075; June 4.
Koepping, Emil D., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Applying a trimming condenser to a main condenser. 2,003,545; June 4.
Koppers Company of Delaware, The. (See Becker, Joseph, assignor.)
Koppers Company of Delaware, The. (See Shoeld, Mark, assignor.)
Koppers Company of Delaware, The. (See van Ackeren, Joseph, assignor.)
Koupal, Walter G. (See Geistharp, F., and Koupal.)
Kramer, William L., Houston, Tex. Foot accelerator pedal. 2,003,751; June 4.
Krause, Max E. (See King, W. G., and Krause.)
Krauss, Carl. (See Berthold, H., Krauss, and Hagenböcker.)
Krohs, Walter. (See Bockmühl, M., Krohs, and Ehrhart.)
Kruse, Hermann H. J., Hemelingen, near Bremen, Germany, assignor to No-Nail Cases Proprietary Limited, London, England. Apparatus for making metal binding strips. 2,003,448; June 4.
Kühlewind, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional receiver. 2,003,372; June 4.
Kuhn, Lee B., Brooklyn, N. Y. Memorandum card. 2,003,449; June 4.
Ladd, Lester L., Lockport, Ill. Conveyer for kilns. 2,003,450; June 4.
Ladd, Lester L., Lockport Ill. Kiln. 2,003,451; June 4.
Lagrave, Jean. (See Grosset, G., Hudeley, and Lagrave.)
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Time stamp. 2,003,787; June 4.
Langdon, Andrew, assignor to General Railway Signal Company, Rochester, N. Y. Indicating means for switch machines. 2,003,944; June 4.
Landis & Gyr., A. G. (See Indergand, Joseph, assignor.)
Lapworth, William L. (See Willoughby, V., and Lapworth.)
Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
Landt, Gustave E., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, N. J. Bendable laminated product. 2,003,752; June 4.
Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 2,003,452; June 4.
La Pan, Lester K., Glens Falls, N. Y. Fishing rod. 2,003,893; June 4.
Lapeyronse, Lawrence L., Mobile, Ala. Vertically adjustable table for fourdrinier machines. 2,003,753; June 4.
Lauterbur, Edward J., and F. X. Lauterbur, Sidney, assignors to The Peerless Bread Machine Company, Sidney, Ohio. Apparatus for conveying and conditioning pulverulent material. 2,003,716; June 4.
Lauterbur, Frank X. (See Lauterbur, Edward J., and F. X.)
Lavietes, David P., Brooklyn, N. Y. Tobacco pipe. 2,003,373; June 4.
Lawrence, Alfred N. (See Braddon, F. D., and Lawrence.)
Lawrence, William H., Jr., Marblehead, assignor to Lee Laboratories, Incorporated, Cambridge, Mass. Preparation of calcium acetylsalicylate. 2,003,374; June 4.
Lawrie, Leslie G. (See Evans, J. G., and Lawrie.)
Ladwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car truck. 2,003,546; June 4.
Lee, Henry R., South Milwaukee, Wis., assignor to E. I. duPont de Nemours & Company, Wilmington, Del. Preparation of quinizarine. 2,003,859; June 4.
Lee, James Edgar, O. T. Gylleck, and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printer's quoin. 2,003,597; June 4.
Lee Laboratories Incorporated. (See Lawrence, William H., Jr., assignor.)
Lee, Orval W., Spokane, Wash. Optical appliance. 2,003,806; June 4.
Leeds and Northrup Company. (See Doyle, Edgar D., assignor.)
Leghorn, George M., Winchester, Mass. Crate. 2,003,717; June 4.
Lehrer, Oscar J., and J. B. Blankenship, Norman, Okla. Camping trailer. 2,003,598; June 4.
Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finding coil antenna. 2,003,375; June 4.
Lejeune, Leon S. M. (See Bongrand, J. E. C., and Lejeune.)
Lemaire, Maurice H., Paris, France. Apparatus for continuously cleaning railway ballast. 2,004,051; June 4.
Lemmon, George N., Homewood, assignor to Southern States Equipment Company, Birmingham, Ala. Electrical protective apparatus. 2,003,298; June 4.
Le Roi Company. (See Eells, Paul W., assignor.)
Lesmeister, Anthony B., Portland, Oreg. Ring, brooch pin, bracelet, and the like. 2,003,376; June 4.
Le Tourneau, Robert G., Stockton, Calif. Tractor derrick. 2,003,599; June 4.
Levitt, Percy B. (See Morgan, J. D., and Levitt.)
Lewis, Gomer R., et al. (See Hosking, George T., assignor.)
Lewis Invisible Stitch Machine Company. (See Grunman, Horace F., assignor.)
Lewton, Lucy O., Portchester, N. Y. Tobacco product. 2,003,690; June 4.
Linda, Frank R. (See Brady, C. V., and Linda.)
Line Material Company. (See Steinmayer, A. G., and Schultz, assignors.)
Lloyd Corporation, The. (See Giaimo, Charles V., assignor.)
Little, Howard J., Fort Thomas, Ky., assignor to The Globe Iron Roofing & Corrugating Company. Sheet metal roofing and similar construction. 2,004,052; June 4.
Little, John H., assignor to General Motors Corporation, Detroit, Mich. Illumination of instrument dials. 2,003,807; June 4.
Long, George A., and W. W., assignors to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll apparatus. 2,003,945; June 4.
Long, William W. (See Long, George A. and W. W.)

Lonroy Corporation. (See Buttress, George A., assignor.)

Lohr, Leslie K., and W. E. Burdick, assignors to The Startomatic Corporation, Los Angeles, Calif. Automatic starting mechanism. 2,004,053; June 4.

Logan, Frank L., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,003,945; June 4.

Lotts, Delbert L., assignor, by mesne assignments, to General Research Corporation, Chicago, Ill. Free wheeling clutch. 2,003,833; June 4.

Lovell Manufacturing Company. (See Kauffman, Walter L., assignor.)

Lowenfels, Albert, White Plains, N. Y. Butter package and making same. 2,003,600; June 4.

Luedtke, Hans, Berlin-Tempelhof, Germany. Keyboard. 2,003,894; June 4.

Lummus Company, The. (See Worn, George A., assignor.)

Lundberg, Carl E., Seattle, Wash. Photographic copying. 2,003,691; June 4.

Machlet, Adolph W., Elizabeth, N. J. Bell retort furnace. 2,003,970; June 4.

MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 2,003,377; June 4.

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production and recovery of sodium carbamate and ammonium chloride. 2,003,378; June 4.

Mahan, Joseph R., and J. B. Picard, assignors to The National-Superior Company, Toledo, Ohio. Geared pumping power. 2,003,601; June 4.

Mahoney, Joseph N. (See Backlen, H. E., and Mahoney.)

Malcom, Robert, Chicago, Ill. Retaining cup for lenses and the like. 2,003,379; June 4.

Mallinckrodt Chemical Works. (See Whitmore, F. C., Homeyer, J., and Trent, assignors.)

Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)

Marians, Morris, New York, N. Y., assignor, by mesne assignments, to Roach Appleton Manufacturing Company, South Bend, Ind. Outlet box. 2,003,602; June 4.

Markham, Charles M., Detroit, Mich. Beam lanyer. 2,003,635; June 4.

Marlowe, Harold J., Brooklyn, N. Y., assignor to Marlowe Devices, Inc. Device for cutting and pressing vegetables and the like. 2,003,229; June 4.

Marlowe Devices, Inc. (See Marlowe, Harold J., assignor.)

Mart, Leon T., Mission Township, Johnson County, Kans. Forced draft multiple fan cooling tower. 2,003,547; June 4.

Martin, William S., Rochester, N. Y. Serving utensil. 2,003,895; June 4.

Masench, Joseph J., Newark, N. J. Liquid tank. 2,003,808; June 4.

Master Builders Company, The. (See Scripture, Edward W., Jr., assignor.)

Master Metal Products, Inc. (See Pearson, Charles L., assignor.)

Masterson, Frank J., Brooklyn, N. Y. Float operated valve. 2,003,380; June 4.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Independently mounted traction unit. 2,003,548; June 4.

Mathieson Alkali Works, Inc., The. (See McMullin, Robert B., assignor.)

Matthews, Ernest D. (See Scott, W. B., Boyer, and Matthews.)

Matthews, W. N., Corporation. (See Ball, L. P., and Birkenmeier assignors.)

Maul, Michael, Berlin-Johannisthal, Germany. Printing and punching record controlled machine. 2,003,636; June 4.

Maul, Michael, Berlin-Johannisthal, Germany. Record controlled punching machine. 2,003,637; June 4.

May, Russell P., Woodbury, N. J., assignor to Radio Corporation of America. Portable talking motion picture apparatus. 2,003,381; June 4.

Mayer, William. (See Halpern, M., and Mayer.)

McBee, Earl T. (See Hass, H. B., and McBee.)

McCartney, William J., and S. T. Bachus, Birmingham, Ala. Coupling. 2,004,077; June 4.

McCarthy, William, and G. Wolff, Clifton, N. J. Front wheel drive. 2,003,718; June 4.

McClave-Brooks Company. (See Warg, Charles A., assignor.)

McConnaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Bituminous emulsion. 2,003,860; June 4.

McConnaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Paving material and process of preparing it. 2,003,861; June 4.

McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Automatic reversing mechanism. 2,003,719; June 4.

McDanal, Michael R., Denver, Colo. Mounting for rimless spectacles and eyeglasses. 2,004,005; June 4.

McDougal, Taine G., Flint, assignor, by mesne assignment, to General Motors Corporation, Detroit, Mich. Igniting device for internal combustion engines. 2,003,453; June 4.

McDougall, George E., Portland, Oreg., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake mechanism. 2,004,078; June 4.

McGinnis, Walter, Eagle Rock, and Z. Wirt, Los Angeles, Calif. Electrical connection. 2,003,788; June 4.

McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Meat package. 2,003,862; June 4.

McKeon, Harry J., Galesburg, Ill. Fastening device. 2,004,006; June 4.

McKernan, Edward J., Topeka, Kans. Floor resurfacing device. 2,003,603; June 4.

McKinley, Edwin W., Los Angeles, Calif. Snap action thermostat. 2,003,917; June 4.

McLeod, Archie K., Charlotte, N. C. Ironing board. 2,003,601; June 4.

McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Forming sealed containers. 2,004,079; June 4.

McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,003,382; June 4.

Meadows, James E., San Francisco, Calif. Dental appliance. 2,003,692; June 4.

Meek, Jessie W., assignor of one-half to L. H. Walton, Deer Park, Wash. Closure for vacuum cleaner bags. 2,003,720; June 4.

Meiss, Charles H., assignor to Lux Gas Fire Extinguisher Corporation, New York, N. Y. Fire extinguishing device. 2,003,599; June 4.

Melton, Ronnie L., and J. Fitzpatrick, assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for determining toughness or resistance to breakage of abrasive bodies by impact. 2,003,853; June 4.

Menger, Edward W., San Antonio, Tex. Horn mount. 2,003,806; June 4.

Meghan, Geo. S., Corporation. (See Stinson, Thane K., assignor.)

Mercier, Jean, Neuilly-sur-Seine, France. Compensating device acting between two different pneumatic mountings of a vehicle. 2,003,511; June 4.

Merritt, Richard S. (See Keller, E., and Merritt.)

Mess, Wilbur K., Newark, N. J. Attachment plug and receptacle. 2,003,948; June 4.

Metal Alloys, Inc. (See Warner, Thomas H., assignor.)

Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)

Michelson, Fritz, and J. Richter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,003,301; June 4.

Miguet, Paul L. J., and M. P. Perron, St. Julien de Maurienne, France. Electric furnace operation. 2,003,673; June 4.

Miller, Carl, Philadelphia, Pa. Photographic apparatus. 2,003,754; June 4.

Miller, Robert A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for bending glass sheets. 2,003,383; June 4.

Miller, Robert S., Ashton-under-Lyne, England. Direction indicator. 2,004,007; June 4.

Miller, Swift, Wauwatosa, assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Seat adjuster. 2,003,549; June 4.

Miller, Verne S. (See Baldwin, C. C., and Miller.)

Miller, William C., and A. L. Abbott, assignors to Diebold Safe & Lock Co., Canton, Ohio. Safe structure. 2,003,302; June 4.

Mills Patent Holding Co. Inc. (See Irmscher, Hans, assignor.)

Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)

Minnelli, Vincent, Paterson, Pa. Safety razor blade. 2,004,008; June 4.

Mitchell, Allister S., Detroit, Mich., assignor to National Automotive Fibres, Inc., Oakland, Calif. Upholstery machine. 2,003,807; June 4.

Mitchell, John K., Villanova, Pa. Game table. 2,003,834; June 4.

Mitchell, John K., Bryn Mawr, Pa. Folding leg construction. 2,003,835; June 4.

Mitchell, John K., Bryn Mawr, Pa. Folding leg construction and locking means therefor. 2,003,836; June 4.

Mitchell, Joseph F. (See Pityo, A. E., and Mitchell.)

Mitscherling, Waldemar O., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn. Catalytic conversion of hydrocarbons. 2,003,393; June 4.

Mitscherling, Waldemar O., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn. Treatment of hydrocarbons. 2,003,398; June 4.

Moir, William A., New York, N. Y. Method of and apparatus for conditioning chocolate or the like. 2,004,009; June 4.

Moneyhun, Charles H., Detroit, Mich. Pump. 2,003,666; June 4.

Montgomery, Richard B. (See Jennison, H. C., and Montgomery.)

Monty, Paul S. (See Schenck, J. F., Sr., and Monty.)

Moore, Daniel M., East Orange, N. J. Piano chord player. 2,003,384; June 4.

Moore, Lou Q., assignor to The Moore Seal Co. Inc. Pueblo, Colo. Seal. 2,003,755; June 4.

Moore Seal Co., The. (See Moore, Lou Q., assignor.)

Morey, Walter W. Wilmette, assignor by mesne assignments to Teletypesetter Corporation, Chicago, Ill. Typographical slug. 2,003,693; June 4.

Morgan, John D., South Orange, N. J., and P. B. Levitt, Jackson Heights, assignors to Doherty Research Company, New York, N. Y. Gas engine leakage tester. 2,003,949; June 4.

Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 2,003,512; June 4.

Morsbach, Kurt, Berlin-Lichterfelde, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Motion picture camera. 2,003,971; June 4.

Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator circuit. 2,003,457; June 4.

Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

Moulton, George Spencer & Company. (See Carter, Windle, assignor.)

Muller, Peter, Detroit, Mich. Fish bait. 2,003,550; June 4.

Müller, Werner. (See Wahl, O., Müller, and Fingado.)

Mund, Charles J. (See Parker, Sidney E., assignor.)

Munson, John K., Olympia, Wash. Self-dumping scow. 2,003,604; June 4.

Murray, Henry L., Auckland, assignor to The Te Aroha Dairy Company, Limited, Te Aroha, New Zealand. Deodorizing, pasteurizing and concentrating fluids. 2,003,454; June 4.

Myers, John W., Roanoke, Va., assignor to The Standard Stoker Company, Incorporated. Locomotive and tender. 2,003,455; June 4.

Myers, Lloyd D., Minneapolis, Minn. Animal trap. 2,003,513; June 4.

Nagel, Howard K., Seymour, Wis. Hydraulic puller. 2,003,756; June 4.

Nakazawa, Haruo. (See Yamaguchi, Y., and Nakazawa.)

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,003,456; June 4.

National Automatic Doughnut Machine Company. (See Toews, Peter J., assignor.)

National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)

National Lock Co. (See North, Edwin W., assignor.)

National Superior Company, The. (See Mahan, J. R., and Picard, assignors.)

Natural By-Products Corporation. (See Claret, Roger J., assignor.)

Naudecks, Erich, Constance, assignor to Deutsche Gold & Silber-Scheideanstadt vormals Roessler, Frankfort-on-the-Main, Germany. Producing pentaerythrite. 2,004,010; June 4.

Nelson, Carl E. (See Rancer, R. H., Branan, and Nelson.)

Neon Research of Connecticut, Inc. (See Mitscherling, Waldemar O., assignor.)

Nesbit, Arthur F., Wilkinsburg, Pa. Cleaning and sizing of coal. 2,003,899; June 4.

New England Mica Co. (See Boughton, Willis A., assignor.)

Niranđylitch, Nilsola. (See Škorić, Danilo, assignor.)

Nock, Leo F., Elyria, Ohio. Permanent mold manufacture. 2,003,864; June 4.

No Nail Cases Proprietary Limited. (See Kruse, Hermann H. J., assignor.)

North, Edwin W., assignor to National Lock Co., Rockford, Ill. Illuminated mirror. 2,004,054; June 4.

Norton Company. (See Belden, A. G., and Cole, assignors.)

Norton Company. (See Ridgway, Raymond R., assignor.)

Norton, James P., assignor to Riley Stoker Corporation, Worcester, Mass. Automatic stoker. 2,003,857; June 4.

Norton, Sereno G., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Dehydrating pine oil. 2,003,458; June 4.

Nothstine, Paul A., Dayton, Ohio. Cartridge thermostat. 2,003,638; June 4.

Nutt, Frank N., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Piston. 2,003,459; June 4.

Nyeren, Karl A., and J. A. Zschiesche, assignors to Globe Steel Tubes Co., Milwaukee, Wis. Tube rolling mill. 2,003,551; June 4.

Oakes, Ben. (See Allen, R. S., and Oakes.)

Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,003,582; June 4.

Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Draft gear. 2,003,583; June 4.

Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Roller bearing assembly. 2,003,605; June 4.

Olds, Ambrose D., Wichita, Kans. Beverage maker. 2,003,490; June 4.

Oliver, Thomas C. (See Hechenbleikner, I., Oliver, and Spangler.)

Oliver, Wallace F., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Braking system. 2,003,972; June 4.

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake. 2,003,973; June 4.

Olpin, Henry C. and S. H. Bannister, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of hydroxyalkylated amino compounds. 2,003,386; June 4.

O'Neill, Joseph, Port Chester, N. Y. Woven wire fabric. 2,003,695; June 4.

Ornes, Conrad L. (See Rollman, R. R., and Ornes.)

Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Microscope. 2,003,387; June 4.

Oxweld Railroad Service Company, The. (See Ryan, Leo C., assignor.)

P. & M. Company, The. (See Shepherd, Charles B., assignor.)

Pacific Mills. (See Barnard, K. H., and Kane, assignors.)

Page, John W., Chicago, Ill. Excavating apparatus. 2,003,900; June 4.

Palmer, C. M. (See Glaser, J. L., and Segal, assignor.)

Palmer, Donald R., Little Neck, N. Y. Box construction. 2,003,388; June 4.

Palmer, Gideon H., East Orange, N. J. Utilization of cotton plant cellulose. 2,003,696; June 4.

Panhandle Refining Company. (See Sims, W. F., and Cloer, assignors.)

Parker, Sidney E., assignor to C. J. Mund, Los Angeles, Calif. Boiler construction. 2,003,491; June 4.

Parker, Walter H., and N. J. Seibert, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Piston meter. 2,003,901; June 4.

Parvin, Edward G. (See Fantone, C. R., and Parvin.)

Lass & Seymour, Inc. (See Despard, Victor R., assignor.)

Patent Engineering Corporation. (See Van Deventer, Harry R., assignor.)

Paull, Samuel O., assignor to Eagle Manufacturing Company, Wellsburg, W. Va. Removable cap for cans or the like. 2,003,460; June 4.

Paxton Credit Corporation. (See Paxton, Hale, assignor.)

Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Lidding machine. 2,003,304; June 1.

Pearson, Charles L., assignor to Master Metal Products, Inc., Buffalo, N. Y. Camp stove and the like. 2,003,974; June 4.

Pearson, Walter, Whitman, Mass. Sewing machine. 2,003,461; June 4.

Pearson, William J. (See Brown, Thomas I., assignor.)

Peco Manufacturing Corporation. (See Errig, W. F., and Pfundt, assignors.)

Peerless Bread Machine Company, The. (See Lauterbur, Edward J., and F. X., assignors.)

Peets, Wilbur J., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Unitary electric motor and power transmitter. 2,004,055; June 4.

Pejchar, Joseph, Corona, N. Y. Finger ring, bracelet, and the like. 2,003,950; June 4.

Pengilly, Lewis. (See Jay, W., and Pengilly.)

Pennsylvania Salt Manufacturing Company. (See Broadhurst, Harold M., assignor.)

Pepin, Thomas, New York, N. Y. Golf club. 2,003,951; June 4.

Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 2,003,305; June 4.

Perfect Manufacturing Company, The. (See Bollman, R. R., and Ornes, assignors.)

Perl, John, Los Angeles, Calif., Method and apparatus for distillation. 2,003,306; June 4.

Permold Company, The. (See Fahlman, Everett G., assignor.)

Permutit Company, (1934), The. (See Clark, Thomas B., assignor.)

Permutit Company, (1934) The. (See Pick, Eric, assignor.)

Permutit Company, (1934) The. (See Sweeney, O. R., and Clark, assignors.)

Perron, Marcel P. (See Miguet, P. L. J., and Perron.)

Pestalozza, Ugo, assignor to Società Italiana Pirelli, Milan, Italy. Manufacture of threads or strips of rubber or the like. 2,003,721; June 4.

Peterson, R. C., et al. (See Ankarlo, Victor, assignor.)

Petrie, Robert E., Chicago, Ill. Lubricating system and installing the same. 2,003,389; June 4.

Pevere, Ernest F. Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,003,667; June 4.

Pfundt, Georg. M. (See Errig, W. F., and Pfundt.)

Phillips, Thomas G., et al. (See Hosking, George T., assignor.)

Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,003,952; June 4.

Piatanesi, Finan, Chicago, Ill. Piano accordion. 2,003,953; June 4.

Picard, John B. (See Mahan, J. R., and Picard.)

Pick, Eric, New York, N. Y., assignor to The Permutit Company, (1934), Wilmington, Del. Continuous automatic water softening. 2,003,757; June 4.

Pick, Eric, New York, N. Y., assignor to The Permutit Company, (1934), Wilmington, Del. Heat exchanger. 2,003,758; June 4.

Pilling, John E., Providence, R. I. Composition for use in soldering chain links. 2,003,865; June 4.

Pipkin, Wilbur A., Safety Harbor, Fla. Method and machine for extracting oil from the peels of citrus fruit. 2,004,056; June 4.

Pittenger, Paul S., assignor to Sharp & Bohme, Incorporated, Philadelphia, Pa. Apparatus for cleaning bottles. 2,003,668; June 4.

Pittman, Ralph R., Pine Bluff, Ark. Over-voltage protective device. 2,003,954; June 4.

Pittsburgh Equitable Meter Company. (See Parker, W. H., and Seibert, assignors.)
Pittsburgh Plate Glass Company. (See Gelsthorp, F., and Koupal, assignors.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.
Pityo, Albert F., Clifton, and J. F. Mitchell, Parsippany, N. J. Container cover. 2,003,307; June 4.
Ploetz, Ernst. (See Koeberle, K., and Ploetz.)
Pneumatic Process Corporation. (See Henkle, Louis R., assignor.
Podbielniak, Walter J., Chicago, Ill. Centrifugal fractionating method and apparatus. 2,003,308; June 4.
Podbielniak, Walter J., Tulsa, Okla. Centrifugal counter current contact apparatus. 2,004,011; June 4.
Poll, Benjamin. (See Poll, Louis and B.)
Poll, Louis, Hamilton, and B. Poll, Holland, Mich. Planting machine. 2,003,390; June 4.
Pollard, Edward. (See Brown, G., and Pollard.)
Polson, Rebecca V., Kansas City, Mo. Sanitary pad and belt. 2,003,654; June 4.
Pool, Morris W., Brooklyn, and E. A. Turner, New York, N. Y., assignors to The Standard Stoker Company, Incorporated. Stoker. 2,003,462; June 4.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Paper bag construction. 2,003,697; June 4.
Popsicle Corporation of the United States, The. (See Schnaier, Milton, assignor.)
Potter, Robert S., Greenwich, assignor to The Yale & Towne Mfg. Co., Stamford, Conn. Door closer. 2,003,669; June 4.
Potter, William W. (See Curtis, Myron S., assignor.)
Powell, David, Chicago, Ill. Golf game. 2,003,809; June 4.
Powell, Edward R., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Lightweight article and manufacturing the same. 2,003,309; June 4.
Powell, John O., Gorseinon, Swansea, South Wales. Machine for automatically sorting plates or other articles according to weight. 2,003,722; June 4.
Poythress, Carl H., Laurel, Miss. Hoe shank and making the same. 2,003,463; June 4.
Pre Cote Corporation. (See McConnaughay, Kenneth E., assignor.)
Prohaska, Albert E. (See Smith, C., Prohaska, and Wilson.)
Prosperity Company, The. (See Davis, E., and Kagi, assignors.)
Pretzeller, Harry W., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Ballast excavating and cleaning apparatus. 2,003,606; June 4.
Prudhomme, Michael A., Outremont, Quebec, Canada. Hand Brake mechanism. 2,003,607; June 4.
Public, Free use of, The. (See Hughes, Ausker E.)
Purdue Research Foundation. (See Hass, H. B., and McBee, assignors.)
Pusey, John R. (See Yedd, Guy A., assignor.)
Rabezzana, Hector. (See Randolph, D. W., and Rabezzana.)
Rabezzana, Hector, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making spark plugs. 2,003,464; June 4.
Rabezzana, Hector, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Machine for assembling spark plugs. 2,003,465; June 4.
Radhuber, Ferdinand. (See Gruna, A., and Radhuber.)
Radio Condenser Company. (See Koepping, Emil D., assignor.)
Radio Corporation of America. (See Brown, Vincent H., assignor.)
Radio Corporation of America. (See de Boer, J. H., and Teves, assignors.)
Radio Corporation of America. (See Ditcham, William T., assignor.)
Radio Corporation of America. (See Grimm, John E., assignor.)
Radio Corporation of America. (See May, Russell P., assignor.)
Radio Corporation of America. (See Ranger, R. H., Braman, and Nelson, assignors.)
Radio Corporation of America. (See Rinia, H., and van Embden, assignors.)
Radio Corporation of America. (See Young, Lloyd L., assignor.)
Radio Corporation of America. (See Weinberger, Julius, assignor.)
Ramano Ajax Corporation. (See Strong, J. B., and Huber, assignors.)
Rand, Rufus R., Jr., Wayzata, Minn. Amphibian aeroplane. 2,003,975; June 4.
Randlett, Albert J., Richmond, Va. Feed board attachment for flat work ironing machines. 2,003,902; June 4.
Randolph, Donald W., and H. Rabezzana, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Spark generating system. 2,003,466; June 4.
Randolph, Donald W., and J. T. Ford, Flint, assignors, by mesne assignments to General Motors Corporation, Detroit, Mich. Spark plug electrode. 2,003,467; June 4.
Ranger, Richard H., Newark, N. J., and V. T. Braman, and C. E. Nelson, Brooklyn, N. Y., assignors to Radio Corporation of America. Air controlled speed regulator. 2,003,552; June 4.
Raymond, Lambert L., Minneapolis, Minn. Fishing bait device. 2,003,976; June 4.
Reed, Clarence E., Wichita, Kans. Roller cutter and spindle assembly for earth boring drills. 2,004,012; June 4.
Reed, Clarence E., Wichita, Kans. Anti-friction bearing assembly for drills. 2,004,013; June 4.
Reeves, Donald H., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,003,492; June 4.
Reichel, Wladimir A., Philadelphia, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level indicator. 2,003,759; June 4.
Reid, Ernest W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Composition of matter. 2,003,655; June 4.
Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Cop winding machine. 2,003,903; June 4.
Remington, Joseph P., assignor to Stokes & Smith Company, Philadelphia, Pa. Method of and apparatus for separating sheets from stacks thereof. 2,003,698; June 4.
Remington Rand Inc. (See Walker, Robert C., assignor.)
Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Negative glowlamp. 2,003,493; June 4.
Rexwinkle, Fred D., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Refrigeration. 2,003,310; June 4.
Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Hat construction. 2,003,955; June 4.
Reynolds Research Corporation. (See Reynolds, Richard S., assignor.)
Reynolds, Richard S., Glen Cove, assignor to Reynolds Research Corporation, New York, N. Y. Laminated material. 2,003,494; June 4.
Ricardo, Harry R., London, England. Internal combustion engine of the liquid fuel injection compression ignition type. 2,003,311; June 4.
Rich, H. M., et al. (See Frye, Jason S., assignor.)
Rich Pump & Ladder Company, The. (See Richardson, Jesse W., assignor.)
Richards, A. L., et al. (See Frye, Jason S., assignor.)
Richards Wilcox Manufacturing Company. (See Tamsitt, Joseph C., assignor.)
Richardson, Jesse W., assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio. Ironing board. 2,003,866; June 4.
Richter, Johann. (See Michelssen, F., and Richter.)
Rie Wil Company, The. (See Black, Carl A., assignor.)
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Making crystalline alumina and a composition of matter containing the same. 2,003,867; June 4.
Rübeck'sche, A., Montanwerke Aktiengesellschaft. (See Eberhardt, Otto, assignor.)
Riebel, Frederick, Jr., assignor to Air Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner floor tool. 2,003,312; June 4.
Rieger, Paul, Frankfort-on-the-Main Hochst, Germany, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,003,790; June 4.
Rieper, Gerhard. (See Fischel, E., and Rieper.)
Riggs, Alger S., New York, N. Y., assignor, by mesne assignments, to Electrons, Inc. Preparation of composite substances. 2,003,609; June 4.
Riley Stoker Corporation. (See Norton, James P., assignor.)
Rinia, Herre, and H. J. M. van Embden, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electric gas filled discharge tube. 2,003,468; June 4.
Riseam, William, assignor of one half to J. H. Halste, Hull, England. Propulsion of boats. 2,003,904; June 4.
Ritz, Emil, Jr., Mount Healthy, assignor to The Hilsey-Wolf Machine Company, Cincinnati, Ohio. Grinding machine. 2,003,495; June 4.
Ritzerfeld, Wilhelm, Berlin, Germany. Duplicating apparatus. 2,003,469; June 4.
Riverside Cement Company. (See Starke, Howard R., assignor.)
Roach Appleton Manufacturing Company. (See Marlans, Morris, assignor.)
Roberts, W. T. B., Leicester, England, assignor to United States Machinery Corporation, Paterson, N. J. Tack supplying device. 2,003,391; June 4.
Robinson, Thomas, Goldenbridge, assignor to Lancaster Asphalt, Inc., New York, N. Y. Roofing product. 2,003,699; June 4.
Roby, Edward R., assignor to The S and R Folding Machine Co., Inc., New York, N. Y. Textile hemstitching machine. 2,004,080; June 4.
Rochester Folding Box Co., The. (See Fancher, Howard M., assignor.)
Roe, Ralph C., Englewood, assignor of one half to Stephen W. Rorden, Summit, N. J. Heat storage device. 2,003,496; June 4.
Roethel, George, Jr., Chicago, Ill., assignor to E. H. Scott Tuning control. 2,003,808; June 4.
Röhm & Haas Company. (See Bruson, H. A., and Stehn, assignors.)
Romaine, Millard. (See Archea, W. D., and Romaine.)
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature controlling device. 2,003,956; June 4.

Rönnberg, Daniel, Ludvika, assignor to Allmänna Svenska Elektriska Aktiegolaget, Vasteras, Sweden. Fusible cut-out. 2,003,977; June 4.
Root, Ralph C., Indianapolis, Ind. Key holder. 2,003,553; June 4.
Rosenbaum, Joel, West Orange, N. J. Plug fuse with a replaceable fuse link. 2,003,792; June 4.
Rosler, Charles A., New York, N. Y. Carburetor. 2,003,313; June 4.
Ross, Oscar A., New York, N. Y. Paper fastener. 2,003,554; June 4.
Rowe, Emmett A., Oakland, Calif. Oven protector. 2,003,555; June 4.
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Edge guide for sewing machines. 2,003,470; June 4.
Rubens, Harry E. (See Graf, Emil, assignor.)
Rubin, Herman H., New York, N. Y. Grip strap. 2,003,514; June 4.
Rubin, Herman H., and M. M. Balsam, New York, N. Y.; said Balsam assignor to said Rubin. Grip strap. 2,003,515; June 4.
Rucker, Leonard F., Hollywood, Calif. Foot therapy device. 2,003,392; June 4.
Ruesch, August, New York, N. Y. Embroidering fabrics. 2,003,810; June 4.
Rügner, Oswald. (See Engels, Hans, assignor.)
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Sulphonated terpene product and producing same. 2,003,471; June 4.
Russell, Brinton and C. B., Norristown, assignors to Attapulgus Clay Company, Philadelphia, Pa. Water purification. 2,003,314; June 4.
Russell, Cecil B. (See Russell, Brinton, and C. B.)
Rutherford System, Incorporated. (See Van Voorst, George, Jr., assignor.)
Rütgerswerke-Aktiengesellschaft. (See Kahl, Leopold, assignor.)
Ruths, Johannes, Djursholm, Sweden, assignor to Ruths-accumulator Aktiebolag, Berlin, Germany. Steam power installation for momentary reserve. 2,003,315; June 4.
Ruthsaccumulator Aktiebolag. (See Ruths, Johannes, assignor.)
Ryan, Edward, Knox, Ind., and E. R. Funk, Galesburg, Ill., assignors to The Standard Stoker Company, Incorporated, New York, N. Y. Stoking mechanism. 2,003,472; June 4.
Ryan, Leo C., Chicago, Ill., assignor to The Oxweld Railroad Service Company. Repairing rail joints. 2,004,081; June 4.
Rydahl, Herman G. V., Viggbyholm, Sweden. Window. 2,003,723; June 4.
Ryerson & Haynes, Inc. (See Burnett, F. C., and Adams, assignors.)
S and R Folding Machine Co, The. (See Roby, Edward R., assignor.)
Sabalbus, Erwin, assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Gauge for fuel pump rocker arms. 2,003,556; June 4.
St. John, Everett, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guy shield. 2,003,959; June 4.
St. John, Joseph F., Chicago, Ill. Match book. 2,003,870; June 4.
Salisbury, Moses B., Chicago, Ill. Jingle ball. 2,003,957; June 4.
Salisbury, Moses B., Chicago, Ill. Imitation bone and the like. 2,003,958; June 4.
Sanford, Alfred F., Knoxville, Tenn. Refrigerating apparatus. 2,004,014; June 4.
Santurello, Peter, Columbus, Ohio. Hair drier. 2,003,610; June 4.
Santurello, Peter, Columbus, Ohio. Hair waving apparatus. 2,003,611; June 4.
Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulically controlled automatic die sinking machine. 2,003,557; June 4.
Satre, Hilmar E., Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y. Forming piles. 2,003,393; June 4.
Schein, Alexander E., New York, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High speed bearing. 2,003,316; June 4.
Schenck, John F., Sr., Lawndale, and P. S. Monty, Charlotte, N. C.; said Monty assignor to said Schenck. Stop motion for braiding machines. 2,003,978; June 4.
Scherf, Rudolph, Detroit, Mich. Hose coupling. 2,004,082; June 4.
Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,003,775; June 4.
Schmelzer, Albert. (See Ballauf, F., and Schmelzer.)
Schmidt, Grayson, Fort Monroe, Va., assignor of one half to H. F. Townsend, Fort Mills, P. I. Method and mechanism for governing rotating bodies. 2,003,558; June 4.
Schmidt, O. B. (See Smith, C., Prohaska, and Wilson, assignors.)
Schmitz, Fred A., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Filing drawer. 2,004,057; June 4.
Schnaier, Milton, New York, N. Y. Manufacturing and packaging articles. 2,003,516; June 4.
Schnaier, Milton, New York, N. Y. Stick handling mechanism. 2,003,517; June 4.
Schnaier, Milton, New York, N. Y. Apparatus for and method of processing frozen confections. 2,003,518; June 4.
Schnaier, Milton, New York, N. Y. Apparatus for arranging articles. 2,003,519; June 4.
Schnaier, Milton, New York, N. Y., assignor to The Popsicle Corporation of the United States. Frozen confection. 2,003,612; June 4.
Schoffstall, Michael R., and R. A. Fontaine, Martinsville, Va. Glass grinding machine. 2,003,905; June 4.
Schubert, Max. (See Herz, R., and Schubert.)
Schultz, William O. (See Steinmayer, A. G., and Schultz.)
Schulz, Alfred J. and H. H., Milwaukee, Wis. Chain type door fastener. 2,003,473; June 4.
Schulz, Herbert H. (See Schulz, Alfred J. and H. H.)
Schweitzer, Eugen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fluid flow meter. 2,003,474; June 4.
Scott, Arthur, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Tool attachment. 2,004,083; June 4.
Scott, E. H. (See Roethel, George, Jr., assignor.)
Scott, Eric A., Indianapolis, Ind. Ash hopper for fireplaces. 2,003,559; June 4.
Scott, Walton B., L. S. Bovier, and E. D. Matthews, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Making olefine derivatives. 2,004,084; June 4.
Scott, William H., Rochester, N. Y. Dispensing device. 2,004,015; June 4.
Scripture, Edward W., Jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Waterproofing concrete. 2,003,613; June 4.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing and forming same. 2,003,906; June 4.
Seeber, Myron E., San Diego, Calif. Orchard or field heating and irrigating apparatus. 2,003,520; June 4.
Sefton National Fibre Can Co. (See Ellstrom, E. G., and Hicks, assignors.)
Segal, Samuel. (See Glaser, J. L., and Segal.)
Seibert, Nelson J. (See Parker, W. H., and Seibert.)
Seitz-Werke G. m. b. H. (See Stegemann, Friedrich, assignor.)
Sell, Joseph C., Detroit, Mich. Automatic rear door lock for vehicle bodies. 2,003,394; June 4.
Sharpe & Dohme, Incorporated. (See Pittenger, Paul S., assignor.)
Shaw, Kenneth R., assignor to Easthampton Rubber Thread Co., Easthampton, Mass. Manufacture of rubber threads. 2,004,085; June 4.
Shepherd, Charles B., New York, N. Y., assignor to The P & M Company, Chicago, Ill. Rail anchor. 2,003,395; June 4.
Shetzline, Walter F., Los Angeles, Calif. Automobile window operating means. 2,003,614; June 4.
Shinn, John V., Flushing, and T. Cummings, Brooklyn, assignors to General Chemical Company, New York, N. Y. Manufacture of acid compositions. 2,003,907; June 4.
Shipp, Robert C., East Orange, N. J., assignor to Westinghouse Lamp Company. Wire-drawing die. 2,003,475; June 4.
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Farm. 2,003,868; June 4.
Shoe Form Co. (See De Witt, William J., assignor.)
Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Treatment of fuel gas to remove ammonia. 2,003,560; June 4.
Siebens, Walter C. (See Groff, W. C., and Siebens.)
Siemens Apparate und Maschinen G. m. b. H. (See Fischel, Eduard, assignor.)
Siemens Brothers & Company Limited. (See Christian, David A., assignor.)
Siemens & Halske. (See Fischel, E., and Rieper, assignors.)
Siemens & Halske Aktiengesellschaft. (See Morsbach, Kurt, assignor.)
Simplex Engineering Company. (See Ansler, Walter O., assignor.)
Sims, Willis F., and V. U. Cloer, assignors to Panhandle Refining Company, Wichita Falls, Tex. Apparatus for the treatment of hydrocarbon oils. 2,003,724; June 4.
Sinclair, Harry, et al., trustees. (See Dodge, John S., assignor.)
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See Peets, W. J., and Webb, assignors.)
Skinner, Lewis B., Denver, Colo. Protection of metallic conduits exposed to high temperatures. 2,003,725; June 4.
Skoglund, Joseph A., St. Paul, Minn. Nozzle holder. 2,003,837; June 4.
Skorić, Danilo, assignor of one half to N. Nirandyitch, New York, N. Y. Drum game. 2,003,979; June 4.
Sloyan, Jerome J., Red Bank, N. J. Oil burner. 2,003,700; June 4.

Smith, Alfred J., Detroit, Mich., assignor to Woodall Industries Incorporated. Body trim structure. 2,003,396; June 4.

Smith, Bert, Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Superheater support. 2,003,838; June 4.

Smith, Charles, A. E. Prohaska, and A. L. Wilson, assignors of one-fourth to O. B. Schmidt, Denver, Colo. Rotary pump. 2,003,615; June 4.

Smith, Ed. S., Jr., assignor to Builders Iron Foundry, Providence, R. I. Apparatus for metering through the medium of the versed sine. 2,003,839; June 4.

Smith, Ernest L., San Francisco, Calif. Hair waving device. 2,003,811; June 4.

Smith, Horace L., Jr., assignor to Thermal Engineering Corporation, Richmond, Va. Moisture extraction. 2,003,397; June 4.

Smith, Lee T., Madison, N. J., and A. L. Thuras, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,003,008; June 4.

Smith, Louis C., et al., trustees. (See Dodge, John S., assignor.)

Smith, Norman A., Adelaide, Australia. Instrument for enciphering and deciphering. 2,003,812; June 4.

Smith, Ralston R., Oakland, Calif. Combined orange reamer and beater. 2,003,321; June 4.

Smyth, Paul H., Jr., Evanston, Ill. Selective phonographic playing machine. 2,004,016; June 4.

Società Italiana Pirelli. (See Pestalozza, Ugo, assignor.)

Société Anonyme des Etablissments Charles Testut. (See Cadiet, Charles, assignor.)

Société Charles Chedeville, Albert Lelandais et Cie. (See Dulac, Pierre, assignor.)

Society "Yacco S. A. F." (See Dintilhac, Jean G., assignor.)

Sorensen, Alfred K., assignor to Crane Co., Chicago, Ill. Lubricant sealed seat. 2,003,840; June 4.

Sorensen, Rasmus L., Cincinnati, Ohio. Drawing board. 2,003,841; June 4.

South Bend Bait Company. (See Jordan, William M.)

Southern States Equipment Company. (See Lemmon, George N., assignor.)

Southern Webbing Mills, Inc. (See Joyce, Lyndon W., assignor.)

Spangler, Samuel F. (See Hechenbleikner, I. Oliver, and Spangler.)

Spannet, Edward F., Blackheath, London, England. Steam boiler and water-heater. 2,003,980; June 4.

Specialty Insulation Manufacturing Company. (See Batcholts, Clinton, assignor.)

Spencer Lens Company. (See Ott, Harvey N., assignor.)

Spencer, White & Prentis, Incorporated. (See Satre, Hilmer E., assignor.)

Sperry Gyroscope Company. (See Bassett, P. R., and House, assignors.)

Sperry Gyroscope Company. (See Schein, Alexander E., assignor.)

Sperry, James W., South Pasadena, Calif. Rotary disk bit. 2,003,791; June 4.

Sperry, James W., South Pasadena, Calif. Rotary rock disk bit. 2,003,793; June 4.

Sperry Products, Inc. (See Braddon, F. D., and Lawrence, assignors.)

Spiegler, Louis, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of 2'-nitro-2-carboxy-diphenylamine. 2,003,842; June 4.

Spieler, William B. (See Dumble, Clifford R., assignor.)

Squyer, Albert R. (See Weaver, I. A., Squyer, and Hall.)

Standard Oil Company. (See Rexwinkle, Fred D., assignor.)

Standard Stoker Company, The. (See Bayreuther, Andrew, assignor.)

Standard Stoker Company, The. (See Ichter, John H., assignor.)

Standard Stoker Company, The. (See Myers, John W., assignor.)

Standard Stoker Company, The. (See Pool, M. W., and Turner, assignors.)

Standard Stoker Company, The. (See Ryan, E., and Funk, assignors.)

Standlee, Harvey R. (See Crickmer, C. S., and Standlee.)

Stanitz, Jacques, and G. D. Boyer, assignors to The Youngstown Pressed Steel Company, Warren, Ohio. Corrugating sheet metal receptacles. 2,003,981; June 4.

Stark, John F., Rushville, Ind., assignor of one-fourth to D. G. Van Osdol, one-fourth to G. J. Griesser, and one-fourth to M. Katsaros. Electrical outlet receptacle. 2,003,909; June 4.

Starke, Howard R., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Cement product and making the same. 2,003,656; June 4.

Startomatic Corporation, The. (See Loehr, L. K., and Burdick, assignors.)

Stegemann, Friedrich, Bad Kreuznach, assignor to Seltz-Werke G. m. b. H., Kreuznach, Germany. Apparatus for the sterilization and sterile filling of vessels and the like in one continuous working process. 2,003,869; June 4.

Stein, Otto. (See Bruson, H. A., and Stein.)

Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, assignors to Line Material Company, South Milwaukee, Wis. Oil fuse. 2,003,616; June 4.

Stenhouse, David, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass feeding apparatus. 2,004,017; June 4.

Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Tension testing device for spring contacts. 2,003,910; June 4.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 2,004,058; June 4.

Stinson, Thane K., assignor to Geo. S. Mepham Corporation, East St. Louis, Ill. Oil well drilling mud 2,003,701; June 4.

Stokes and Smith Company. (See Remington, Joseph P., assignor.)

Strandgren, Carl B., Versailles, France. Power transmission. 2,003,317; June 4.

Stratford, William M., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils 2,003,776; June 4.

Straub, Francis J., New Kensington, Pa. Concrete block making apparatus. 2,003,702; June 4.

Strauss, Luke J., Buffalo, N. Y. Beverage bottle cap 2,004,018; June 4.

Strong, James B., New York, N. Y., and A. F. Huber, St. Louis, Mo., assignors to Ramapo Ajax Corporation, New York, N. Y. Railroad cross-over. 2,003,398; June 4.

Stuart, Charles H., Newark, N. Y. Fluid dispensing device. 2,003,562; June 4.

Stubblefield, Roy I., Bloomington, Tex. Cap for drinking glasses. 2,003,657; June 4.

Studley, Oscar A., and K. R. Gilbert, Sonoma, Calif. Egg grading machine. 2,003,561; June 4.

Submarine Signal Company. (See Clement, Ivan C., assignor.)

Superheater Company, The. (See Armacost, Wilbur H., assignor.)

Superheater Company, The. (See Birmingham, Thomas F., assignor.)

Superheater Company, The. (See Epley, Frederic L., assignor.)

Superheater Company, The. (See Smith, Bert, assignor.)

Super Mold Corporation. (See Woock, Herbert J., assignor.)

Svatos, Joseph, assignor of one-fourth to J. Svatos, Jr., Yankton, S. Dak. Earth working implement 2,003,871; June 4.

Svatos, Joseph, Jr. (See Svatos, Joseph, assignor.)

Swanson, Earl C., assignor to Andersen Frame Corporation, Bayport, Minn. Window construction. 2,003,982; June 4.

Swartwout, Everett W., Scarsdale, N. Y. Compressor. 2,003,476; June 4.

Sweeney, Orland R., Ames, Iowa, and T. B. Clark, Rockford, Ill., assignors, by mesne assignments, to The Permutit Company, (1934), Wilmington, Del. Indicator for zeolite softeners. 2,003,760; June 4.

Swetenham, Charles C., assignor to himself, C. A. and L. M. Swetenham, Sherborne, England. Power transmission. 2,004,019; June 4.

Swetenham, Clement A., et al. (See Swetenham, Charles C., assignor.)

Swetenham, Leslie M., et al. (See Swetenham, Charles C., assignor.)

Synero Machine Company. (See Fantone, C. R., and Jameson, assignors.)

Synero Machine Company. (See Fantone, C. R., and Parvin, assignors.)

Szekely, Otto E., Holland, Mich. Internal combustion engine. 2,003,563; June 4.

Tamsitt, Joseph C., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door operator. 2,003,399; June 4.

Taylor, John L., Kenosha, Wis. Atomizer. 2,003,813; June 4.

Taylor, John L., Milwaukee, Wis. Oil engine atomizer 2,003,814; June 4.

Taylor, Robert S., Evansville, Ind., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigerator sealing strip. 2,003,726; June 4.

Taylor, William L., and L. B. Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of staple fiber yarns. 2,003,400; June 4.

Te Aroha Dairy Company, The. (See Murray, Henry L., assignor.)

Techno-chemical Laboratories, Limited. (See Gram, Thomas, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kühlewind, Walter, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, E., and Richter, assignors.)

Teletypesetter Corporation. (See Morey, Walter W., assignor.)

Temple, Robert, Jr., assignor to Robert Temple, Inc., Denver, Colo. Power press. 2,003,843; June 4.

Temple, Robert, Inc. (See Temple, Robert, Jr., assignor.)

Terry, Roy V., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inspection device. 2,003,401; June 4.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety blade. 2,003,761; June 4.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade. 2,004,086; June 4.

Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,004,087; June 4.

Teves, Marten C. (See de Boer, J. H., and Teves.)

Tewelow, Bernard, Wilmington, Del., and S. Tewelow, Philadelphia, Pa. Cutter blade holder. 2,003,497; June 4.

Tewelow, Solomon. (See Tewelow, B. and S.)

Texas Company, The. (See Pevere, Ernest F., assignor.)

Texas Company, The. (See Strafford, William M., assignor.)

Textile Machine Works. (See Zwicky, Melchior, assignor.)

Thener, Arthur F., assignor to Cupples Company, Manufacturers, St. Louis, Mo. Wrench. 2,003,983; June 4.

Thermal Engineering Corporation. (See Smith, Horace L., Jr., assignor.)

Thistlethwaite, Arthur W., Atchison, Kans. Safety razor. 2,003,872; June 4.

Thoen, Lowell H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Threshing. 2,003,522; June 4.

Thoen, Lowell H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Threshing. 2,003,523; June 4.

Thomas, Albert, Homestead Park, Pa. Boring tool. 2,003,402; June 4.

Thomas, Lawrence J., Mount Angel, Oreg. Strainer. 2,003,058; June 4.

Thomsen, Carl L., Milwaukee, Wis. Poultry feeding and watering device. 2,003,318; June 4.

Thompson Products, Incorporated. (See Hufford, George H., assignor.)

Thorpe, William C., Toronto, Ontario, Canada, assignor to Robert E. Wark, Toronto, Canada, trustee. Graphite lubricant. 2,003,564; June 4.

Thuras, Albert L. (See Smith, L. T., and Thuras.)

Tinnian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Carburetor. 2,003,403; June 4.

Tinnian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,003,984; June 4.

Timken-Detroit Axle Company, The. (See Alden, H. W., and Ruckendale, assignors.)

Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)

Tintner, Fritz, Vienna, Austria. Foldable stretcher 2,003,844; June 4.

Towns, Peter J., assignor to National Automatic Doughnut Machine Company, Minneapolis, Minn. Dough divider for doughnut machines and the like. 2,003,617; June 4.

Toffemire, Benjamin F., Berkeley, Calif. Mounting frame for dental articulators. 2,003,727; June 4.

Tonkin, Ronald, and J. S. Wilson, Earl's Road, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Printing. 2,003,960; June 4.

Townsend, Harry F. (See Schmidt, Graydon, assignor.)

Townshend, Bailey, Westfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Lightweight ceramic article and making the same. 2,003,319; June 4.

Tracy, Robert W. (See Buzzard, G. H., and Tracy.)

Trainer, James E., Fairlawn, and C. Ziegler, Barberton, Ohio, assignors to the Babcock & Wilcox Company, Bayonne, N. J. Welding device. 2,003,320; June 4.

Trent, Walter R. (See Whitmore, F. C., Homeyer, and Trent.)

Trimont Manufacturing Co. (See Williamson, Ralph J., assignor.)

Trogdon, William H., Worthville, N. C. Cotton lap weight indicator. 2,004,020; June 4.

Trombly, Alexander A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Machine for attaching keys to containers. 2,003,321; June 4.

Tucker, Raymond M., Sherman, Tex. Feeding mechanism for cutting machines. 2,004,021; June 4.

Turner, Edward A. (See Pool, M. W., and Turner.)

Turner, Edward T., Dayton, Ohio, assignor to The Permutit Company (1934), Wilmington, Del. Water treating apparatus. 2,003,762; June 4.

Twik, John, South Ozone Park, N. Y. Truck. 2,004,022; June 4.

Twiss, Douglas F., Sutton Coldfield, and F. A. Jones, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Benzyl piperidine-1-carbothionolate and preparing the same. 2,003,703; June 4.

Uffen, John, Santa Paula, Calif. Toilet seat hinge. 2,004,023; June 4.

Underwood Elliott Fisher Company. (See Foothorap, Harry A., assignor.)

Union Special Machine Company. (See Rubel, Charles F., assignor.)

Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)

United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)

United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)

United Shoe Machinery Corporation. (See Kick, August, assignor.)

United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)

United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)

Universal Draft Gear Attachment Co. (See Bartsch, Herbert E., assignor.)

Universal Gypsum & Lime Co. (See Jeffrey, D. C., and Wolfe, assignors.)

Universal Oil Products Company. (See Held, Jacob B., assignor.)

Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch. 2,003,322; June 4.

Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch. 2,003,323; June 4.

Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch device. 2,003,324; June 4.

Valentine, Charles W., assignor to The Bagley and Sewall Company, Watertown, N. Y. Slitting mechanism for paper making machines. 2,003,404; June 4.

Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 2,003,565; June 4.

Van Aken, John C., Ridgway, Pa. Hat holder. 2,003,659; June 4.

Van Degrift, Thomas C., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Gear shift mechanism. 2,003,794; June 4.

Vanderbilt, R. T., Company. (See Alton, William H., assignor.)

Van Devanter, Harry R., New York, N. Y., assignor to Patent Engineering Corporation. Combination clock and radioreceiver. 2,003,405; June 4.

Van Embden, Hendrick J. M. (See Rinia, H., and van Embden.)

Van Osdol, Dwight G., et al. (See Stark, John F., assignor.)

Van Voorst, George, Jr., assignor to Rutherford System Incorporated, Kansas City, Mo. Cooking apparatus. 2,004,024; June 4.

Van Voorst, George, Jr., assignor to Rutherford System, Incorporated, Kansas City, Mo. Combined track-forming, spacing, and retaining structure. 2,004,025; June 4.

Vavruska, Bartlett F., Prairie du Chien, Wis. Garment hanger. 2,003,763; June 4.

Vickers-Armstrongs Limited. (See Watson, John P., assignor.)

Vinar, Washington, Cicero, assignor to Burton-Dixie Corporation, Chicago, Ill. Wire spiral spring. 2,003,406; June 4.

Vittengl, Morgan J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inner sole and like product. 2,003,961; June 4.

Von Forster, Hermann, Niedenursel, near Frankfort-on-the-Main, Germany, and S. de Lange, Hilversum, Netherlands, assignors, by mesne assignments, to Gulf Research & Development Corporation, Pittsburgh, Pa. Roofing material. 2,003,728; June 4.

Wagner, E. R., Manufacturing Company. (See Miller, Swift, assignor.)

Wahl, Ottmar, Leverkusen-I. G.-Werk, W. Müller, Cologne-on-the-Rhine, and R. Fingado, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the triarylmethane series. 2,003,407; June 4.

Waldron, John, Corporation. (See Willis, Charles C., assignor.)

Waldron, John, Corporation. (See Burt, John S., assignor.)

Walgreen Co. (See Johnston, Merriott T., assignor.)

Walker, Robert C., Scarsdale, assignor to Remington Rand Inc., Buffalo, N. Y. Book stack. 2,003,670; June 4.

Walker, Robert C., Scarsdale, assignor to Remington Rand Inc., Buffalo, N. Y. Book stack construction. 2,003,671; June 4.

Walker, William R., Roxboro, N. C. Method and apparatus for operating in a spinning or other room. 2,003,911; June 4.

Wallace, Henry A., Secretry of Agriculture. (See Glaves, Archie H., assignor.)

Wallene, Frank O., Lakewood, Ohio. Fuel control system. 2,003,985; June 4.

Walters, Henry, et al. (See Esterling, William M., assignor.)

Walters, Mary P., et al. (See Esterling, William M., assignor.)

Walton, Lean H. (See Meek, Jessie W., assignor.)

Ward Leonard Electric Company. (See Logan, Frank G., assignor.)

Warg, Charles A., Scranton, assignor to McClave-Brooks Company, Scranton, Pa. Dumping grate. 2,003,729; June 4.

Wark, Robert E., Trustee. (See Thorpe, William C., assignor.)

Warner, Thomas H., Union City, N. J., assignor to Metal Alloys, Inc., Wilmington, Del. Alloy. 2,003,524; June 4.

Warren Elevator Mfg. Company, The. (See Brown, Alfred T., assignor.)

Warren, Thomas S. (See Bacon, J. W., and Warren.)
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 2,003,325; June 4.
Watson, John P., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Anti-aircraft gun fire control apparatus. 2,004,067; July 4.
Weaver, Ira A., A. R. Squyer, and E. K. Hall, Springfield, Ill., assignors to Weaver Manufacturing Company, Springfield, Ill. Wheel testing apparatus. 2,003,912; June 4.
Weaver Manufacturing Company. (See Weaver, I. A., Squyer, and Hall, assignors.)
Webb, Christopher F. (See Black, H. D., and Webb.)
Webb, Irving F. (See Peets, W. J., and Webb.)
Weidenhoff, Joseph, Inc. (See Sabailus, Erwin, assignor.)
Weihe, Adolf, assignor to Deutsche Celluloid-Fabrik, Eilenburg-in-Sachsen, Germany. Cellulose esters of partly esterified polybasic acids. 2,003,408; June 4.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machine for stitching multiple seams. 2,003,672; June 4.
Weisbach, Rudolph, Los Angeles, Calif. Bottle closure. 2,003,873; June 4.
Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Radio frequency distribution system. 2,003,962; June 4.
Welch, Carl B., Attapulgus, Ga. Piston and ring. 2,003,764; June 4.
Wellman, Charles P., Medford, Mass. Container. 2,003,326; June 4.
Wenner, Wesley E., Allentown, Pa. Railroad base plate and fastener. 2,003,498; June 4.
Wente, Edward C., New York, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Position controlling device. 2,003,913; June 4.
Wente, Edward C. (See Hickman, C. N., and Wente.)
Wensell, Joseph W., El Monte, Calif. Mothproof bag. 2,003,704; June 4.
West Bend Aluminum Co. (See Finch, Arnold R., assignor.)
West, Franklin G., et al. (See Esterling, William M., assignor.)
West & West et al. (See Esterling, William M., assignor.)
West, Z. B., et al. (See Esterling, William M., assignor.)
Western Electric Company. (See Corbeels, Theophile, assignor.)
Western Electric Company, Incorporated. (See Husson, Harry L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hathaway, Clarence B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jordan, E. H., and Hochstetter, assignors.)
Westinghouse Lamp Company. (See Ehrke, Louis F., assignor.)
Westinghouse Lamp Company. (See Hankins, Thomas J., Jr., assignor.)
Westinghouse Lamp Company. (See Rentschler, H. C., and Henry, assignors.)
Westinghouse Lamp Company. (See Shipp, Robert C., assignor.)
Westkott, Hans, West Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Machine for reclaiming yarn from knitted fabric. 2,003,777; June 4.
Westland, J. A. (See Jawort, Frank A.)
Whitcomb, William H., Newtonville, Mass. Adjustable frame for jig-saw puzzles. 2,003,845; June 4.
White, Edwin H., Newark, N. J., assignor to American Reenforced Paper Company, Attleboro, Mass. Waterproofing buildings. 2,003,618; June 4.
White Motor Company, The. (See Church, Harold D., assignor.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Sizing and dyeing of textiles. 2,003,409; June 4.
Whiteley, James, Detroit, Mich. Heat exchanger section. 2,003,705; June 4.
Whitin Machine Works. (See Hendrickson, Fred K.)
Whitman, Stewart C., Jackson Heights, N. Y. High frequency gaseous conduction lamp. 2,003,410; June 4.
Whitmore, Frank C., State College, Pa., and A. H. Homeyer, St. Louis, Mo., and W. R. Trent, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Tertiary butyl acetic acid. 2,004,066; June 4.
Whitworth, Edward, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Propellant explosive. 2,003,914; June 4.
Widen, Henry R., assignor of one-half to C. E. Rotenstein, Chicago, Ill. Sound actuated device. 2,003,765; June 4.
Willard, George B. (See Campbell, A., and Willard.)
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams & Marcus Company. (See Cox, George D., assignor.)
Williamson, Ralph J., Milton, assignor to Trimont Manufacturing Co., Inc., Roxbury, Mass. Pipe cutting device. 2,003,619; June 4.
Willis, Charles C., Bound Brook, assignor to John Waldron Corporation, New Brunswick, N. J. Spray coating machine. 2,003,778; June 4.
Wilsing, Paul, assignor to Demag Aktiengesellschaft Duisberg, Germany. Clutch and brake mechanism for winches. 2,003,795; June 4.
Willsie, Henry E., New York, N. Y. Refrigeration apparatus and method. 2,003,411; June 4.
Wilson, James S. (See Tomkin, R., and Wilson.)
Willoughby, Victor, Ridgewood, N. J., and W. L. Lapworth, Wantagh, assignors to American Car and Foundry Company, New York, N. Y. Adapter valve for tank outlets. 2,003,915; June 4.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,003,916; June 4.
Wilson, Albert L. (See Smith, C., Prohaska, and Wilson.)
Winthrop Chemical Company. (See Bockmühl, M., Krohs, and Ehrhart, assignors.)
Wirt, Zebulon. (See McGinnis, W., and Wirt.)
Witthuhn, Frank, Cleveland, Ohio. Adjustable plant stand. 2,003,986; June 4.
Wolfe, Henry J. (See Jeffrey, D. C., and Wolfe.)
Wolff, Arthur J., Hartford, Conn. Forming spectacle frames. 2,003,846; June 4.
Wolff, George. (See McCarthy, W., and Wolff.)
Woock, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Circulating system for retreading mold pressure bags. 2,003,566; June 4.
Woock, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Circulating hot water through the pressure bags of tire retreading molds. 2,003,567; June 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder. 2,003,568; June 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tension controlling means. 2,003,569; June 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press. 2,003,639; June 4.
Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodall Industries Incorporated. (See Smith, Alfred J., assignor.)
Woodberry, John H., United States Army, Fort Bliss, Tex. Support. 2,003,327; June 4.
Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Effecting organic vapor phase reactions. 2,003,477; June 4.
Woodling, George V., Cleveland, Ohio. Stabilizer for vehicles. 2,004,068; June 4.
Woods, Charles S., Shaker Heights, Ohio. Washing device and method. 2,003,847; June 4.
Wooten, George R., Fredonia, Kans. Guard. 2,004,026; June 4.
Worn, George A., Montclair, N. J., assignor to The Lummus Company, New York, N. Y. Combined separator and heat exchanger. 2,003,815; June 4.
Worrall, Robert H., Washington, D. C. Apparatus for traffic control. 2,003,328; June 4.
Wunsch, Julius A., New York, N. Y. Recovery of naphthenic acids. 2,003,640; June 4.
Wussow, Ruben F., et al. (See Esterling, William M., assignor.)
Y Garcia, Joaquin Crespo. (See Clifford, P. C., and y Garcia.)
Yale & Towne Mfg. Co. (See Potter, Robert S., assignor.)
Yamaguchi, Yohei, Toshima-Ku, Tokyo, and H. Nakazawa, Kawanaka-Mura, Nishi-Kasugai Gun, assignors to Zaiden Hojin Rikagaku Kenkyujo, Tokyo, Japan. Sheet flasher for taking photographs. 2,003,660; June 4.
Yedd, Guy A., assignor of one-half to John R. Pusey, Oakland, Calif. Mining system and apparatus. 2,003,779; June 4.
Young, Lloyd L., Patchogue, N. Y., assignor to Radio Corporation of America. High speed keying. 2,003,329; June 4.
Youngstown Pressed Steel Company, The. (See Stanitz, J., and Boyer, assignors.)
Zahner, Robert, Bern, Switzerland. Melting pot, particularly for stereotype casting machines. 2,003,796; June 4.
Zaiden Hojin Rikagaku Kenkyujo. (See Yamaguchi, Y., and Nakazawa, assignors.)
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Machine for manufacturing moistureproof cable coverings. 2,003,673; June 4.
Ziegler, Crawford. (See Trainer, J. E., and Ziegler.)
Zimic, Michael. (See Gruna, A., and Radhuber, assignors.)
Zimic, Michael, Forest Hills West, N. Y. Knitting machine. 2,003,674; June 4.
Zola, John C., Tarentum, Pa., assignor to Duplate Corporation. Laminated glass. 2,003,330; June 4.
Zschiesche, Johannes A. (See Nygren, K. A., and Zschiesche.)
Zwicky, Melchior, Berkshire Heights, assignor to Textile Machine Works, Wyomissing, Pa. Safety device for straight knitting machines. 2,003,766; June 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Disk harrow. S. S. Furrer. 19,598; June 4.
Magnetic tests and measurements. Apparatus for making. P. C. Hermann. 19,600–1; June 4.
Marker and flower vase, Combination grave. J. M. Powell. 19,602; June 4.
Starter, Engine. R. Chilton. 19,597; June 4.
Table leg construction. J. E. Bales and C. T. Christensen. 19,596; June 4.
Train control system, Continuous. W. D. Hailes. 19,599; June 4.

LIST OF PLANT INVENTIONS

Carnation variety. R. Witterstaetter. 127; June 4.

LIST OF DESIGN INVENTIONS

Air compressor unit. A. Hallett. 95,822; June 4.
Ash receiver. R. F. De Boer. 95,808; June 4.
Blouse. H. M. Raphael. 95,865; June 4.
Book end. F. D. Farr. 95,811; June 4.
Bottle. C. W. Ahrens. 95,787; June 4.
Bottle. W. Guyer. 95,821; June 4.
Bottle. W. R. Leach. 95,849; June 4.
Bottle. F. McLaughlin. 95,854; June 4.
Bottle or similar article. J. S. Stein. 95,873; June 4.
Box. N. B. Geddes. 95,816; June 4.
Braid, Elastic lace. O. E. Huber. 95,828–32; June 4.
Broiler. H. H. Minard. 95,859; June 4.
Brush or similar article. A. Wewetzer. 95,883; June 4.
Cabinet, Stocking display. H. Janssen. 95,834; June 4.
Closure for containers or similar article. H. L. Van Doran and C. K. Ellsworth. 95,877; June 4.
Coat garment. S. A. Jamieson. 95,833; June 4.
Coffeepot. A. Brenneman. 95,800; June 4.
Coffeepot, Drip. A. Brenneman. 95,799; June 4.
Coffeepot or like article. H. F. Wood. 95,885; June 4.
Container for nail polish manicure set. M. Schnefel. 95,866; June 4.
Decanter or similar article. E. Stahl. 95,872; June 4.
Dishwashing machine. O. K. Cox. 95,806; June 4.
Dress. J. Kirschner. 95,838; June 4.
Dress, Ensemble. J. Kirschner. 95,836–7; June 4.
Dress, Ensemble. J. Kirschner. 95,839–42; June 4.
Eyeglass bridge. F. H. Soden. 95,869; June 4.
Game apparatus. H. P. Compton and L. Solomon. 95,804; June 4.
Game board, Amusement. F. K. Maitland. 95,852; June 4.
Golf club head. J. Gourley. 95,819; June 4.
Guide, Fender. J. H. Cohen. 95,803; June 4.
Inhaler, Nasal. F. Lobl. 95,850; June 4.
Jar, Marmalade. C. Kaiser. 95,835; June 4.
Lace. H. B. Barnum. 95794–6; June 4.
Lace. H. Stenson. 95,874; June 4.
Lamp globe or similar article, Vehicle. H. B. Donley. 95,810; June 4.
Lamp-post or similar article. R. Waggoner. 95,881; June 4.
Lavatory. H. N. Davock. 95,807; June 4.
Lever. H. Wolff. 95,884; June 4.
Lighter, Pocket. M. Grünstein. 95,820; June 4.
Lip stick container. P. H. Ganz. 95,813; June 4.
Liquid dispensing rack. J. Garvey. 95,814–15; June 4.
Marker, Memorial. I. W. Cox. 95,805; June 4.
Pen nib, Fountain. N. E. Welgel. 95,882; June 4.
Pen point. M. M. Neuhoff. 95,860; June 4.
Plate or similar article. C. L. Sebring. 95,867; June 4.
Powder puff. E. Burkhart. 95,801; June 4.
Pocket for pot holders, memorandum pads, and pencils, Wall. M. Caplan. 95,802; June 4.
Refrigerator cabinet. N. B. Geddes and W. I. Hamby. 95,817; June 4.
Sanding machine. T. L. Hedgpeth. 95,825; June 4.
Shoe. V. De Liso. 95,809; June 4.
Shoe. J. A. Goldberg. 95,818; June 4.
Shoe. S. Meyer. 95,855; June 4.
Shoe. A. Perugia. 95,861; June 4.
Shoe. F. B. Polley. 95,862–3; June 4.
Shoe. R. Sederqust. 95,868; June 4.
Shoe or similar article. L. Audino. 95,788–9; June 4.
Shoe or similar article. C. Miller. 95,856–8; June 4.
Shoe or similar article. J. Sofransky. 95,870–1; June 4.
Shoe or similar article. S. A. Wood. 95,886–7; June 4.
Shower head. C. W. Hathaway and E. Krumsiek. 95,823; June 4.
Ski boot. J. Lanz. 95,848; June 4.
Slip, Two-piece. M. E. Awamy. 95,790; June 4.
Spoon or other article of flatware. G. A. Feinauer. 95,812; June 4.
Spoon or other article of flatware. J. R. Price. 95,864; June 4.
Stand for hosiery or the like, Display. E. J. Berger. 95,797; June 4.
Steering wheel. J. D. Villas. 95,879; June 4.
Suit, Lady's. S. Vlock. 95,880; June 4.
Switch casing. F. Lobl. 95,851; June 4.
Tank vehicle body. A. A. Kramer. 95,843–4; June 4.
Tank vehicle body. J. M. Kramer. 95,846–7; June 4.
Tank vehicle body. A. A. and J. M. Kramer. 95,845; June 4.
Tennis racket or similar article. M. Van Schelle and J. Allen. 95,878; June 4.
Textile fabric. W. R. Haywood. 95,824; June 4.
Textile fabric. J. Todd. 95,875; June 4.
Textile fabric or similar article. W. H. Mayer, Jr. 95,853; June 4.
Toy vehicle or the like. W. Baetz. 95,791–3; June 4.
Type font, Printing. H. A. Trafton. 95,876; June 4.
Vanity case. H. L. Berinstein. 95,798; June 4.
Velocipede. K. W. Hedstrom. 95,826; June 4.
Wrap. C. Hoffman. 95,827; June 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption refrigerating apparatus. E. Gruber 2,003,437; June 4.
Accounting machine. F. L. Fuller. 2,003,783; June 4.
Acid: *See*—
Tertiary butyl acetic acid
Acid compositions, Manufacture of. J. V. Shinn. 2,003,907; June 4.
Acid from hydrogen sulphide gas, Manufacture of sulphuric. I. Hechenbleikner. 2,003,442; June 4.
Acids, Recovery of naphthenic. J. A. Wunsch. 2,003,640; June 4.
Acoustic apparatus. I. C. Clement. 2,003,284; June 4.
Acoustic device. L. T. Smith and A. L. Thuras. 2,003,908; June 4.
Adjustable plant stand. F. Witthuhn. 2,003,986; June 4.
Aeroplane. Amphibian. R. R. Rand, Jr. 2,003,975; June 4.
Agricultural implement. E. T. Johnson. 2,003,365; June 4.
Air cooling system for motors. J. G. Dintilhac. 2,004,040; June 4.
Aircraft body. J. B. Ford. 2,003,433; June 4.
Aircraft having sustaining rotors. H. Alfaro. 2,003,331; June 4.
Aircraft having sustaining rotors. H. Alfaro. 2,003,620; June 4.
Alloy. T. H. Warner. 2,003,524; June 4.
Aluminum alloy. F. Keller and R. S. Merritt. 2,003,297; June 4.
Aluminum brass alloy. J. R. Freeman, Jr. 2,003,685; June 4.
Amino-aryl-thiazole-compounds. Producing. R. Herz. 2,003,443; June 4.
Amino compounds, Production of hydroxy-alkylated. H. C. Olpin and S. H. Bannister. 2,003,386; June 4.
Anchor, Rail. C. B. Shepherd. 2,003,395; June 4.
Animal trap. L. D. Myers. 2,003,513; June 4.
Articles, Apparatus for arranging. M. Schnaier. 2,003,517; June 4.
Articles, Manufacturing and packaging. M. Schnaier. 2,003,518; June 4.
Atomizer. J. L. Taylor. 2,003,813; June 4.
Atomizer, Oil engine. J. L. Taylor. 2,003,814; June 4.
Autographic register. L. F. Hagemann. 2,003,999; June 4.
Automatic arc lamp, High intensity multiple. F. A. Berg. 2,003,675;
Automatic clutch. H. H. Vail. 2,003,322–3; June 4.
Axle bearing. T. V. Buckwalter. 2,003,339; June 4.
Axle, Oscillatable pivotally mounted. J. Ganz. 2,004,063; June 4.
Azanthracene derivatives, Producing. K. Koeberle and
Bag: *See*—
Golf bag.
Mothproof bag.
E. Ploetz. 2,003,596; June 44.
Bag closing machine. C. V. Brady and F. R. Linda. 2,003,337; June 4.
Bag construction, Paper. G. W. Poppe. 2,003,697; June 4.
Bait device, Fishing. L. L. Raymond. 2,003,976; June 4.
Bait, Fish. P. Muller. 2,003,550; June 4.
Ball, Jingle. M. B. Salisbury. 2,003,957; June 4.
Ballast excavating and cleaning apparatus. H. W. Protzeller. 2,003,606; June 4.
Band and removable lining, Combined sweat. L. Hoffeld. 2,003,886; June 4.
Barn. J. G. Shodron. 2,003,868; June 4.
Base plate and fastener, Railroad. W. E. Wenner. 2,003,498; June 4.
Beam hanger. C. M. Markham. 2,003,635; June 4.
Bearing: *See*—
Axle bearing.
High speed bearing
Bearing and forming same. R. R. Searles. 2,003,906; June 4.
Bearing assembly for drills, Antifriction. C. E. Reed. 2,004,013; June 4.
Bearing assembly, Roller. A. H. Oelkers. 2,003,605; June 4.
Bell retort furnace. A. W. Machlet. 2,003,970; June 4.
Bell ringer. R. J. Burrows and A. O. Williams. 2,003,340; June 4.
Belt fastener. S. Amantea. 2,003,987; June 4.
Benzyl piperidine-1-carbothionolate and preparing the same. D. F. Twiss and F. A. Jones. 2,003,703; June 4.
Beverage cooling and dispensing device. G. A. Ghoor. 2,003,532; June 4.
Beverage maker. A. D. Olds. 2,003,490; June 4.
Binding strips, Apparatus for making metal. H. H. J. Kruse. 2,003,448; June 4.
Biophysical process for preserving and conserving fermentable liquids. P. C. Clifford and J. Crespo y Garcia. 2,003,644; June 4.
Bit: *See*—
Rock disk bit.
Rotary disk bit.
Blade, Safety. N. Testi. 2,003,761; June 4.
Block for draft gears, Follower. H. E. Bartsch. 2,003,989; June 4.
Board: *See*—
Drawing board.
Ironing board.
Boats, Propulsion of. W. Riseam. 2,003,904; June 4.
Body trim structure. A. J. Smith. 2,003,396; June 4.
Boiler: *See*—
Superheater boiler.
Boiler. N. Artsay. 2,003,419; June 4.
Boiler. T. B. Stillman. 2,004,058; June 4.
Boiler and water-heater, Steam. E. F. Spanner 2,003,980; June 4.
Boiler construction. S. E. Parker. 2,003,491; June 4.
Bonding composition, Colloidal inorganic. W. A. Boughton. 2,004,030; June 4.
Bone and the like, Imitation. M. B. Salisbury. 2,003,958; June 4.
Book chart, and reference holder. F. E. Headington. 2,003,746; June 4.
Book stack. R. C. Walker. 2,003,670; June 4.
Book stack construction. R. C. Walker. 2,003,671; June 4.
Boring tool. A. Thomas. 2,003,402; June 4.
Bottle and apparatus therefor, Capping. A. G. Enock. 2,003,682; June 4.
Bottle attachment. G. R. Johnson. 2,003,594; June 4.
Bottle closure. R. Weisbach. 2,003,873; June 4.
Bottle making process, High speed. H. W. Ingle. 2,003,940; June 4.
Bottles, Apparatus for cleaning. P. S. Pittenger. 2,003,668; June 4.
Box: *See*—
Outlet box.
Vanity box.
Shoeshine box.
Box construction. D. R. Palmer. 2,003,388; June 4.
Brake: *See*—
Hydraulic brake.
Brake. T. P. Chase. 2,004,062; June 4.
Brake beam safety device. E. G. Busse. 2,003,499; June 4.
Brake beam support. H. W. Ekholm and E. G. Busse. 2,003,530; June 4.
Brake drum, Composite. D. J. Campbell. 2,004,061; June 4.
Brake mechanism, Hand. M. A. Frud'homme. 2,003,607; June 4.
Brake mechanism, Hydraulic. G. F. McDougall. 2,004,078; June 4.
Braking system. W. F. Oliver. 2,003,972; June 4.
Braun tube. K. Schlesinger. 2,003,775; June 4.
Brush and comb combination for packets. S. M. Flegel. 2,004,044; June 4.
Building block machine. L. Gelbman. 2,003,632; June 4.
Buildings, Waterproofing. E. H. White. 2,003,618; June 4.
Bumper, Mine car. W. T. Dalton. 2,003,645; June 4.
Burner: *See*
Oil burner.
Burner manipulating mechanism, Oil. E. E. Allyne. 2,003,413; June 4.
Butter package and making same. A. Lowenfels. 2,003,600; June 4.
Cable connecter. W. A. Bonnell. 2,003,676; June 4.
Cable, Electric. G. Carlson and H. G. Knoderer. 2,003,940; June 4.
Cable terminal. Le R. W. Kelsay. 2,003,447; June 4.
Cable, Weatherproof armored. G. Carlson. 2,003,991; June 4.
Cable, Weatherproof armored. H. G. Knoderer. 2,004,004; June 4.
Cables, System and apparatus for reeving counterweight. R. W. Kaltenbach. 2,003,715; June 4.
Cables to batteries, Connecting. C. E. Hoover. 2,004,049; June 4.
Cake and method and mold for making the same, Pastry. V. A. Clement. 2,003,578; June 4.
Calcium acetylsalicylate, Preparation of. W. H. Lawrence, Jr. 2,003,374; June 4.
Camera, Motion-picture. K. Morsbach. 2,003,971; June 4.
Cap, Bathing. W. Carter. 2,003,920; June 4.
Cap, Beverage bottle. L. J. Strauss. 2,004,018; June 4.
Cap, Collapsible tube. A. Goss. 2,003,506; June 4.
Cap for cans or the like, Removable. S. O. Paull. 2,003,460; June 4.

Cap for drinking glasses. R. I. Stubblefield. 2,003,657; June 4.
Cap former, Bottle. G. A. Buttress. 2,003,643; June 4.
Car, Mine. C. P. Daniel. 2,003,878; June 4.
Car, Railway. V. Willoughby. 2,003,916; June 4.
Carbon-dioxide from flue gases, Production of. R. J. Claret. 2,003,922; June 4.
Carburetor. G. F. Hodges and F. B. Cota. 2,003,363; June 4.
Carburetor. G. L. Kennedy. 2,004,003; June 4.
Carburetor. C. A. Rosier. 2,003,313; June 4.
Carburetor. H. H. Timian. 2003,403; June 4.
Card, Memorandum. L. B. Kuhn. 2,003,449; June 4.
Carrier: *See*—
Spare wheel carrier.
Casings, Repairing tire. W. H. Criswell. 2,004,037; June 4.
Cavities in the ground or in structures, Water-proofing or filling. L. Cheverillon. 2,003,921; June 4.
Cellulose derivative composition. E. F. Izard. 2,003,295; June 4.
Cellulose esters of the partly esterified polybasic acids. A. Welhe. 2,003,408; June 4.
Cellulose or cellulosic materials, Manufacture of. H. Dreyfus. 2,003,347; June 4.
Cement product and making the same. H. R. Starke. 2,003,656; June 4.
Centrifugal fractionating method and apparatus. W. J. Podbielniak. 2,003,308; June 4.
Centrifugal separator. G. H. Andersson. 2,003,621; June 4.
Centrifugally controlled valve. J. W. Hale. 2,003,857; June 4.
Ceramic article and making the same, Lightweight. B. Townshend. 2,003,319; June 4.
Chlorination process and product thereof. H. B. Hass and E. T. McBee. 2,004,072; June 4.
Chuck. L. B. Hester. 2,003,747; June 4.
Chocolate or the like, Method of and apparatus for conditioning. W. A. Mohr. 2,004,009; June 4.
Cigarette vending machine. W. Jay and L. Pengilly. 2,003,489; June 4.
Circuit breaker. C. V. Glaimo. 2,003,686; June 4.
Circuit controlling apparatus, Time delay. W. D. Cockrell 2,003,992; June 4.
Circuit, Regulator. E. R. Morton. 2,003,457; June 4.
Circulating system for retreading mold pressure bags. H. J. Woock. 2,003,566; June 4.
Clarification, Apparatus for. W. A. Gilchrist. 2,003,357; June 4.
Cleaner floor tool, Suction. F. Riebel, Jr. 2,003,312; June 4.
Clip: *See*—
Cover attaching clip.
Clock and radioreceiver, Combination. H. R. Vanbeverter. 2,003,405; June 4.
Clock, Modulated alarm. D. S. Ingraham. 2,003,785; June 4.
Closure for containers. D. E. Baxter. 2,004,027; June 4.
Closure for vacuum cleaner bags. J. W. Meek. 2,003,720; June 4.
Clothes spinner. R. H. Jordan and P. E. Hochstetter. 2,004,004; June 4.
Clutch: *See*—
Automatic clutch.
Free wheeling clutch.
Clutch and brake mechanism for winches. P. Wilsing. 2,003,795; June 4.
Clutch device, Automatic. H. H. Vail. 2,003,321; June 4.
Clutch for punch presses. E. J. Dreis. 2,003,529; June 4.
Coal, Cleaning and sizing of. A. P. Nesbit. 2,003,899; June 4.
Coil antenna, Direction finding. A. Leib. 2,003,375; June 4.
Coin testing device. E. Graf. 2,003,771; June 4.
Compass, Fluid. E. Fischel and G. Rieper. 2,003,929; June 4.
Compensating device acting between the different pneumatic mountings of a vehicle. J. Mercier. 2,003,511; June 4.
Composition and preparing same. R. L. Falls. 2,003,789; June 4.
Composition for use in soldering chain links. J. E. Pilling. 2,003,805; June 4.
Composition of matter. E. W. Reid. 2,003,655; June 4.
Compressor. E. W. Swartwout. 2,003,476; June 4.
Concentrator, Centrifugal. C. C. Baldwin and V. S. Miller. 2,003,747; June 4.
Concrete block making apparatus. F. J. Straub. 2,003,702; June 4.
Concrete, Waterproofing. E. W. Scripture, Jr. 2,003,613; June 4.
Condenser to a main condenser, Applying a trimming. E. D. Koepping. 2,003,545; June 4.
Conductor, Insulated. A. S. Gray. 2,003,772; June 4.
Conduit construction, Underground. M. Craighead. 2,003,580; June 4.
Conduits exposed to high temperatures, Protection of metallic. L. B. Skinner. 2,003,725; June 4.
Confection coating machine. A. L. Bausman. 2,003,851; June 4.
Confection, Frozen. M. Schnaier. 2,003,612; June 4.
Confections, Apparatus for and method of processing frozen. M. Schnaier. 2,003,518; June 4.
Connecter: *See*—
Cable connecter.
Connection for frame members, Metal. E. Galante. 2,003,531; June 4.
Contact devices for radio sockets and the like, Making. C. L. Knutsch. 2,004,076; June 4.
Contactor indicator. T. C. Henneberger. 2,003,443; June 4.
Container: *See*—
Metal container.
Container. A. O. Daller. 2,003,925; June 4.
Container. C. P. Wellman. 2,003,326; June 4.
Container cover. A. F. Pityo and J. F. Mitchell. 2,003,307; June 4.
Containers, Forming sealed. C. E. McManus. 2,004,079; June 4.
Control system for burners producing high temperature flames. G. D. Bower. 2,003,624; June 4.
Control system for radio broadcast receivers, Remote. A. S. Blatterman. 2,003,877; June 4.
Conveyer for kilns. L. L. Ladd. 2,003,450; June 4.
Cooking apparatus. G. Van Voorst, Jr. 2,004,024; June 4.
Cooler: *See*
Oil cooler.
Cop winding machine. W. Reiners and G. Kahlsch. 2,003,903; June 4.
Copper and copper alloys, Making deoxidized. H. C. Jennison and R. B. Montgomery. 2,003,889; June 4.
Copper, Making deoxidized. H. C. Jennison and R. B. Montgomery. 2,003,296; June 4.
Corn shock holding and binding device. E. L. Bailey. 2,003,874; June 4.
Cotton plant cellulose, Utilization of. G. H. Palmer. 2,003,696; June 4.
Coupler. A. H. Oelkers. 2,003,582; June 4.
Coupling: *See*—
Flexible coupling.
Hose coupling.
Coupling. W. J. McCarthey and S. T. Bachus. 2,004,077; June 4.
Coupling for canvas tubing. F. M. Bins. 2,003,732; June 4.
Cover: *See*—
Container cover.
Cover attaching clip. Box. C. Gimbel. 2,003,856; June 4.
Cover trimming machine. C. G. Brostrom. 2,003,338; June 4.
Crate. G. M. Leghorn. 2,003,717; June 4.
Cream, Treatment of. F. G. Cornell, Jr. 2,003,427; June 4.
Crossfooter register. H. A. Foothorap. 2,003,997; June 4.
Crystalline alumina and a composition of matter containing the same, Making. R. R. Ridgway. 2,003,867; June 4.
Cup for lenses and the like, Retaining. R. Malcom. 2,003,379; June 4.
Current contact apparatus, Centrifugal counter. W. J. Podbielniak. 2,004,011; June 4.
Cut-out, Fusible. D. L. Römberg. 2,003,977; June 4.
Cutter: *See*
Pipe cutter.
Cutter blade holder. B. and S. Tewelow. 2,003,497; June 4.
Cutting machines, Feeding mechanism for. R. M. Tucker. 2,004,021; June 4.
Cylinder head for internal combustion engines. D. E. Anderson. 2,003,571; June 4.
Data sheet holder. G. D. Cox. 2,003,854; June 4.
Dental appliance. J. E. Meadows. 2,003,692; June 4.
Dental plate. E. Kaczmarek. 2,003,891; June 4.
Derrick, Tractor. R. G. Le Tourneau. 2,003,599; June 4.
Die: *See*
Wire drawing die.
Die sinking machine, Hydraulically controlled automatic. B. Sassen. 2,003,557; June 4.
Direction indicator. R. S. Miller. 2,004,007; June 4.
Directional receiver. W. Kiblewind. 2,003,372; June 4.
Discharge tube, Electric gas filled. H. Rinia and H. J. M. van Embden. 2,003,468; June 4.
Disk jointer, Self-aligning. A. H. Glaves. 2,003,831; June 4.
Dispenser: *See*—
Tube paste dispenser.
Dispensing and game playing machine. C. R. Dumble. 2,003,349; June 4.
Dispensing device. W. H. Scott. 2,004,015; June 4.
Distillation, Method and apparatus for. J. Perl. 2,003,306; June 4.
Door, Car. A. Campbell and G. B. Willard. 2,003,577; June 4.
Door closer. R. S. Potter. 2,003,669; June 4.
Door control, Motor operated. M. V. Green. 2,003,534; June 4.
Door fastener, Chain type. A. J. Schulz and H. H. Schulz. 2,003,473; June 4.
Doorlatch. R. C. Reito. 2,003,731; June 4.
Door opening device, Electric. M. V. Green. 2,003,533; June 4.
Door operating apparatus. E. Gauthier. 2,003,484; June 4.
Door operator. A. J. and J. Kinsler. 2,003,652; June 4.
Door operator. J. C. Tamsitt. 2,003,399; June 4.

Door, Revolving. E. Peremi and C. Kish. 2,003,305; June 4.
Dough divider for doughnut machines and the like. P. J. Toews. 2,003,617; June 4.
Draft gear. A. H. Oelkers. 2,003,583; June 4.
Drain, Floor. L. Goodhart. 2,003,770; June 4.
Drawer, Filing. F. A. Schmitz. 2,004,057; June 4.
Drawing board. R. L. Sorensen. 2,003,841; June 4.
Drier: *See*—
Hair drier.
Drill steel retainer. J. C. Curtis. 2,003,924; June 4.
Driving mechanism for producing gyratory movement. G. H. Hobebrand. 2,003,441; June 4.
Duplicating apparatus. W. Ritzerfeld. 2,003,469; June 4.
Dyestuffs of the series triarylmethane. O. Wahl, W. and R. Fingado. 2,003,407; June 4.
Elevator: *See*—
Residence elevator.
Earth-nut kernels, Treating. P. Ammann. 2,003,415; June 4.
Earth working implement. J. Svatos. 2,003,871; June 4.
Easel construction. H. M. Fancher. 2,003,482; June 4.
Egg grading machine. O. A. Studley and K. R. Gilbert. 2,003,561; June 4.
Electric controlling apparatus. F. G. Logan. 2,003,945; June 4.
Electric heater. G. Fredrickson. 2,003,855; June 4.
Electric heater, Portable. G. A. Johnson. 2,003,714; June 4.
Electric motor. T. V. Dillström, P. A. Åstradsson, and F. Dahlgren. 2,003,647; June 4.
Electric signal and control device. C. B. Bartley. 2,003,706; June 4.
Electrical connecter and fixture support. H. D'Olier, Jr. 2,003,966; June 4.
Electrical connection. W. McGinnis and Z. Wirt. 2,003,788; June 4.
Electrical outlet receptacle. J. F. Stark. 2,003,909; June 4.
Electrical protective apparatus. G. N. Lemmon. 2,003,298; June 4.
Electricity meter. J. Indergrand. 2,003,939; June 4.
Electrode, Spark plug. D. W. Randolph and J. T. Ford. 2,003,467; June 4.
Electron tube. F. Michelssen and J. Richter. 2,003,301; June 4.
Emulsion, Bituminous. K. E. McConnaughay. 2,003,860; June 4.
Engine: *See*—
Internal combustion engine
Engine. L. P. Kalb. 2,004,002; June 4.
Engine. H. H. Timian. 2,003,984; June 4.
Engine of the liquid fuel injection compression ignition type, Internal combustion. H. R. Ricardo. 2,003,311; June 4.
Engine starting apparatus. R. M. Nardone. 2,003,456; June 4.
Engines, Avoiding the deleterious effect of detonation in internal combustion. O. C. Brewster. 2,003,822; June 4.
Envelope-filling machine. F. E. Guedry. 2,004,048; June 4.
Evaporator especially for high pressure steam. E. Koeneman and K. Gensch. 2,004,075; June 4.
Evaporator for refrigerating systems. E. E. Allyne. 2,003,414; June 4.
Examination and control device for wort handling equipment. A. R. Keller. 2,003,892; June 4.
Excavating apparatus. J. W. Page. 2,003,900; June 4.
Explosion chamber. H. Holzwarth. 2,003,293; June 4.
Explosion chambers, Method of and apparatus for regulating constant volume. H. Holzwarth. 2,003,292; June 4.
Explosive, Propellant. E. Whitworth. 2,003,914; June 4.
Eyelash curler. J. L. Glaser and S. Segal. 2,004,046; June 4.
Fabric: *See*—
Woven wire fabric.
Fabric-gripper. J. D. Karle. 2,003,942; June 4.
Fabrics, Embroidering. A. Ruesch. 2,003,810; June 4.
Fabricated structure and elements thereof. F. P. Cartwright. 2,003,738; June 4.
Fastener: *See*—
Belt fastener. Paper fastener.
Door fastener.
Fastening device. H. J. McKeon. 2,004,006; June 4.
Fastening-supplying apparatus. F. L. MacKenzie. 2,003,377; June 4.
Feeding mechanism for filling machines. A. Andreas. 2,003,417; June 4.
Fertilizer, Production of. L. T. Hopkinson. 2,003,887; June 4.
Film reel. W. G. King and M. E. Krause. 2,003,510; June 4.
Films, sheets, and the like, Utilization of cellulosic. J. M. Driver. 2,004,041; June 4.
Fire extinguishing device. C. H. Meigs. 2,003,300; June 4.
Fire, System for indicating the presence and location of. H. C. Grant, Jr. 2,003,358; June 4.
Fish pole holders. J. J. Haskin. 2,003,535; June 4.
Fishing lure. W. M. Jordan. 2,003,366; June 4.
Fishing rod. L. K. La Pan. 2,003,893; June 4.
Flexible coupling. J. R. Grundy. 2,003,849; June 4.
Float operated valve. F. J. Masterson. 2,003,380; June 4.
Floor resurfacing device. E. J. McKennan. 2,003,603; June 4.
Fluid dispensing device. C. H. Stuart. 2,003,562; June 4.
Fluid flow meter. E. Schweitzer. 2,003,474; June 4.
Fluids, Deodorizing, pasteurizing, and concentrating. H. L. Murray. 2,003,454; June 4.
Flume. H. W. Baldwin. 2,003,730; June 4.
Folder. H. A. W. Wood. 2,003,568; June 4.
Foot aerating device. M. De Blasio. 2,003,646; June 4.
Foot therapy device. L. F. Rucker. 2,003,392; June 4.
Form, Hosiery. W. J. De Witt. 2,003,707; June 4.
Frame builder motion, Roving. F. K. Hendrickson. 2,003,362; June 4.
Frame for jig-saw puzzles, Adjustable. W. H. Whitcomb. 2,003,845; June 4.
Free wheeling clutch. D. L. Lotts. 2,003,833; June 4.
Fruit testing device. A. E. Hughes. 2,003,749; June 4.
Fuel control system. F. O. Wallene. 2,003,985; June 4.
Fuel distributor. J. H. Ichter. 2,003,445; June 4.
Fuel gas to remove ammonia, Treatment of. M. Shoeld. 2,003,560; June 4.
Fuel pump. A. M. Babitch and G. W. Harry. 2,003,420; June 4.
Furnace: *See*—
Bell retort furnace.
Furnace grate structure. J. S. Bennett. 2,003,423; June 4.
Furnace operation, Electric. P. L. J. Miguet and M. P. Perron. 2,003,653; June 4.
Fuse igniter. J. S. Frye. 2,003,483; June 4.
Fuse, Oil. A. G. Steinmayer and W. O. Schultz. 2,003,616; June 4.
Fuse switch. L. P. Boll and T. Birkenmaier. 2,003,768; June 4.
Game apparatus. M. Gensburg. 2,003,356; June 4.
Game apparatus. J. A. Kimball. 2,003,370; June 4.
Game device. G. C. Boyer. 2,003,801; June 4.
Game, Drum. D. Škorlć. 2,003,979; June 4.
Game table. J. K. Mitchell. 2,003,834; June 4.
Garment, Child's. D. S. Foodem. 2,003,683; June 4.
Garment hanger. B. F. Vavruska. 2,003,763; June 4.
Gas generator for fumigation purpose. T. Forsberg. 2,003,745; June 4.
Gas price sign. E. E. Johnston. 2,003,542; June 4.
Gaseous conduction lamp, High frequency. S. C. Whitman. 2,003,410; June 4.
Gauge. J. H. Hardy. 2,003,439; June 4.
Gauge for fuel pump rocker arms. E. Saballus. 2,003,556; June 4.
Gear: *See*—
Draft gear. Receptacle landing gear.
Gear shift mechanism. T. C. Van Degrift. 2,003,794; June 4.
Glass and making the same, Laminated. E. L. Fix and B. J. Dennison. 2,003,288; June 4.
Glass, Apparatus for drawing. W. O. Amsler. 2,003,525; June 4.
Glass feeding apparatus. D. Stenhouse. 2,004,017; June 4.
Glass grinding machine. M. R. Schottland and R. A. Fontaine. 2,003,905; June 4.
Glass, Laminated. J. C. Zola. 2,003,330; June 4.
Glass, Making plate. F. Gelstharp and W. G. Koupal. 2,003,289; June 4.
Glass sheets, Process and apparatus for bending. R. A. Miller. 2,003,383; June 4.
Glaze for nonmetallic resistors. E. Hediger. 2,003,592; June 4.
Glowlamp, Negative. H. C. Rentschler and D. E. Henry. 2,003,493; June 4.
Golf bag. G. E. Bishop. 2,003,733; June 4.
Golf club. T. Pepin. 2,003,951; June 4.
Golf game. D. Powell. 2,003,809; June 4.
Governor, Disk spring. J. O. Almen. 2,003,817; June 4.
Grain, Apparatus for conditioning. L. R. Henkle. 2,004,001; June 4.
Granule and making same, Colored. W. H. Alton. 2,003,850; June 4.
Granule, Colored. W. H. Alton. 2,003,849; June 4.
Graphite lubricant. W. C. Thorpe. 2,003,564; June 4.
Grate, Dumping. C. A. Warg. 2,003,729; June 4.
Grinding and polishing machine. C. B. Garwood. 2,003,504; June 4.
Grinding machine. C. J. Highberg. 2,003,713; June 4.
Grinding machine. E. Ritz, Jr. 2,003,495; June 4.
Grinding machine, Caliper controlled. A. G. Belden and R. A. Cole. 2,003,334; June 4.
Grinding on circular grinding machines, Device for spherical. J. Grundstein. 2,003,883; June 4.
Grip strap. H. H. Rubin. 2,003,514; June 4.
Grip strap. H. H. Rubin and M. M. Balsam. 2,003,515; June 4.
Guard. G. R. Wooten. 2,004,026; June 4.
Guard for cooking utensils, Burner. H. Gross. 2,003,773; June 4.
Guiding action for various valves and slides for musical, brass, and other instruments. N. Einhorn. 2,003,995; June 4.
Gun. D. A. Gurney and T. A. Conlon. 2,003,290; June 4.
Gun fire control apparatus, Antiaircraft. J. P. Watson. 2,004,067; June 4.

Hair drier. P. Santurello. 2,003,610; June 4.
Hair waving apparatus. P. Santurello. 2,003,611; June 4.
Hair waving device. E. L. Smith. 2,003,811; June 4.
Hair winding device. M. R. Bell. 2,003,280; June 4.
Handle grip. J. G. Bowden. 2,003,917; June 4.
Hanger: *See*—
Beam hanger. Well tubing hanger.
Garment hanger.
Hat construction. R. K. Reynolds. 2,003,955; June 4.
Hat holder. J. C. Van Aken. 2,003,659; June 4.
Hatch cover operating means. F. A. Ecoff. 2,003,927; June 4.
Headed pin. W. L. Kauffman, 2nd. 2,003,595; June 4.
Headgear. H. Julich. 2,003,367; June 4.
Headlamp. R. N. Falge and C. E. Godley. 2,003,805; June 4.
Headlamp testing device. S. F. Arbuckle. 2,003,797; June 4.
Headlight. H. J. Graham. 2,003,687; June 4.
Heat exchange apparatus. A. Hasselbach. 2,003,649; June 4.
Heat exchanger. O. Jacobsen. 2,003,593; June 4.
Heat exchanger. E. Pick. 2,003,758; June 4.
Heat exchanger section. J. Whiteley. 2,003,705; June 4.
Heat storage device. R. C. Roe. 2,003,496; June 4.
Heat transferring medium, Apparatus for utilizing. P. H. Elliott. 2,003,742; June 4.
Heat treatment of metals. T. J. Hankins, Jr. 2,003,486; June 4.
Heater: *See*—
Electric heater.
Heater. J. H. Conant. 2,003,579; June 4.
Heating pad. A. C. Gilbert. 2,003,830; June 4.
Heating process and apparatus. A. L. Klees. 2,003,943; June 4.
Heating surfaces, Cleaning. O. Eberhardt. 2,004,042; June 4.
Heating with steam, Method and apparatus for. C. A. Dunham. 2,003,585; June 4.
Heel breasting machine. N. L. Gulliford. 2,004,070; June 4.
High speed bearing. A. E. Schein. 2,003,316; June 4.
Hinge: *See*—
Toilet seat hinge.
Hoe shank and making the same. C. H. Poythress. 2,003,403; June 4.
Holder: *See*—
Book, chart and reference holder. Key holder.
Cutter blade holder. License plate holder.
Data sheet holder. Necktie holder.
Hat holder. Nozzle holder.
Hopper for fireplaces, Ash. E. A. Scott. 2,003,559; June 4.
Hose coupling. W. E. Brown. 2,003,918; June 4.
Hose coupling. R. Scherf. 2,004,082; June 4.
Humidifying apparatus. H. L. Husson. 2,003,938; June 4.
Hydraulic brake. W. F. Oliver. 2,003,973; June 4.
Hydraulic puller. H. K. Nagel. 2,003,756; June 4.
Hydrocarbons, Catalytic conversion of. W. O. Mitscherling. 2,003,303; June 4.
Hydrocarbons, Desulphurization and oxidation of. W. Dietrich and M. Harder. 2,003,584; June 4.
Hydrocarbons, Treatment of. W. O. Mitscherling. 2,003,898; June 4.
Igniting device for internal combustion engines. T. G. McPougal. 2,003,453; June 4.
Illumination of instrument dials. J. H. Little. 2,003,807; June 4.
Incense. E. Frantz. 2,003,684; June 4.
Indicating device for flaw detector mechanism. F. D. Braddon and A. N. Lawrence. 2,003,336; June 4.
Indicating means for switch machines. A. Langdon. 2,003,944; June 4.
Indicator: *See*—
Contactor indicator. Liquid level indicator.
Direction indicator. Weight indicator.
Indicator for zeolite softeners. O. R. Sweeney and T. B. Clark. 2,003,760; June 4.
Indol compound. F. Ballauf and A. Schmelzer. 2,003,421; June 4.
Ink fountain regulator. H. C. Jordihoy. 2,003,544; June 4.
Inspection device. R. V. Terry. 2,003,401; June 4.
Instrument for enciphering and deciphering. N. A. Smith. 2,003,812; June 4.
Internal combustion engine. H. D. Church. 2,003,677; June 4.
Internal combustion engine. O. E. Szekely. 2,003,563; June 4.
Ironing board. A. K. McLeod. 2,003,604; June 4.
Ironing board. J. W. Richardson. 2,003,806; June 4.
Ironer, Double side. F. J. Couch. 2,003,993; June 4.
Ironing machines, Feed board attachment for flat work. A. J. Randlett 2,003,902; June 4.
Jack and wheel and gear puller, Combined. F. L. and J. K. Fryer. 2,003,648; June 4.
Jacking attachment. M. Dwork. 2,003,502; June 4.
Joint: *See*—
Universal joint.
Joints, Assembling resilient. H. W. Alden and L. R. Buckendale. 2,003,412; June 4.
Ketones and product, Preparing alkylated aromatic. H. A. Bruson and O. Stein. 2,004,069; June 4.
Keyboard. H. Luedtke. 2,003,894; June 4.
Key holder. R. C. Root. 2,003,553; June 4.
Keying, High speed. L. L. Young. 2,003,329; June 4.
Kiln. L. L. Ladd. 2,003,451; June 4.
Knitting machine. M. Zimic. 2,003,674; June 4.
Laminated material. R. S. Reynolds. 2,003,494; June 4.
Laminated product, Bendable. G. E. Landt. 2,003,752; June 4.
Lamp: *See*—
Automatic arc lamp. Gaseous conduction lamp.
Lamp and socket, Quick detachable. N. L. Guljas, Jr. 2,003,507; June 4.
Lantern. R. D. Evans. 2,003,352; June 4.
Lead sulphite mineral, Treating. F. E. Gregory and R. L. Hallows. 2,003,711; June 4.
Leg construction and locking means therefor, Folding. J. K. Mitchell. 2,003,836; June 4.
Leg construction, Folding. J. K. Mitchell. 2,003,835; June 4.
Lens. R. N. Falge. 2,003,804; June 4.
License plate holder, Automobile. C. R. Davis. 2,003,343; June 4.
Lid, Container. E. S. Irelan. 2,003,540; June 4.
Lidding machine. H. Paxton. 2,003,304; June 4.
Lifting and propelling mechanism for vehicles. T. E. Burkhardt. 2,003,627; June 4.
Light: *See*—
Pilot light.
Lighting apparatus. H. M. Cavanaugh. 2,003,342; June 4.
Lightweight article and manufacturing the same. E. R. Powell. 2,003,309; June 4.
Line system, Repeatered. H. S. Black. 2,003,964; June 4.
Liquid composition. H. L. Cox. 2,003,429; June 4.
Liquid level indicator. W. A. Reichel. 2,003,759; June 4.
Liquid medium for heat and pressure transfer. H. L. Cox and L. J. Clapsadle. 2,003,662; June 4.
Liquid tank. J. J. Masench. 2,003,808; June 4.
Liquids, Apparatus for treating. J. C. Gordon. 2,003,589; June 4.
Liquids, Electrolytic treatment of. K. Kaisser. 2,004,065; June 4.
Lock and release for switchboards, Automatic signal. H. Koch. 2,003,689; June 4.
Lock for vehicle bodies, Automatic rear door. J. C. Sell. 2,003,394; June 4.
Lock with electrical switch control, Combination. G. T. Hosking. 2,003,650; June 4.
Locomotive and tender. J. W. Myers. 2,003,455; June 4.
Loom. E. W. Bullard. 2,004,031; June 4.
Lubricant. A. H. Kelling. 2,003,368; June 4.
Lubricant sealed seat. A. K. Sorensen. 2,003,840; June 4.
Lubricating system and installing the same. R. E. Petrie. 2,003,389; June 4.
Lubricating system and the constituent parts thereof. J. Bijur. 2,003,281; June 4.
Machine for applying a web to a strand. C. B. Fantone and E. G. Parvin. 2,003,354; June 4.
Machine for assembling spark plugs. H. Rabezzana. 2,003,465; June 4.
Machine for attaching keys to containers. A. A. Trombly. 2,003,321; June 4.
Machine for automatically sorting plates or other articles according to weight. J. O. Powell. 2,003,722; June 4.
Machine for cutting and resharpening the reeds of wind instruments. P. Dulac. 2,003,348; June 4.
Machine for manufacturing moistureproof cable coverings. G. Zapf. 2,003,673; June 4.
Machine for reclaiming yarn from knitted fabric. H. Westkott. 2,003,777; June 4.
Machine for use in the manufacture of shoes. A. R. Morrill. 2,003,512; June 4.
Magnesium, Producing substantially pure. F. Hansgirg. 2,003,487; June 4.
Magnetic from non-magnetic material, Apparatus for removing. R. E. Crockett. 2,003,430; June 4.
Manifold and connection, Exhaust. H. A. Gehres. 2,003,485; June 4.
Manifold writing device. H. D. Black and C. F. Webb. 2,004,028; June 4.
Match book. J. F. St. John. 2,003,870; June 4.
Materials, Method of and apparatus for working. T. Corbeels. 2,003,426; June 4.
Measuring apparatus. E. D. Doyle. 2,003,681; June 4.
Measuring instrument, Universal. G. Bozzer and J. Haversin. 2,003,626; June 4.
Meat package. H. H. McKee. 2,003,862; June 4.
Mercury boiler headers with casings. H. J. Kerr. 2,003,786; June 4.
Metal body resistant to fluctuating stresses. H. W. Graham and S. L. Case. 2,003,710; June 4.
Metal container. C. Hammer. 2,003,784; June 4.
Metals and producing the same, Clad. L. F. Ehrke. 2,003,481; June 4.
Meter: *See*—
Electricity meter. Piston meter.
Fluid flow meter.
Meter. E. L. Canfield. 2,003,919; June 4.
Metering through the medium of the versed sine, Apparatus for. E. S. Smith, Jr. 2,003,839; June 4.
Microscope. H. N. Ott. 2,003,387; June 4.
Milking machine check valve chamber. C. H. Hapgood. 2,003,590; June 4.

Milking machine connecter and pneumatic and electric conductor therefor. S. J. Erling. 2,003,586; June 4.
Mill: *See*—
Tube rolling mill.
Milling machine. W. D. Archea and M. Romaine. 2,003,572; June 4.
Milling machine. W. Hucal. 2,003,936; June 4.
Mining system and apparatus. G. A. Yeld. 2,003,779; June 4.
Mirror, Illuminated. E. W. North. 2,004,054; June 4.
Mixing apparatus. A. C. Gilbert. 2,003,931; June 4.
Mixing apparatus. A. C. Gilbert and A. A. Arnold. 2,003,829; June 4.
Moistener. T. I. Brown. 2,003,736; June 4.
Moisture extraction. H. L. Smith, Jr. 2,003,397; June 4.
Mold. A. R. Finch. 2,003,432; June 4.
Mold manufacture, Permanent. L. F. Nock. 2,003,864; June 4.
Mop. W. Evans. 2,003,286; June 4.
Mothproof bag. J. W. Wenzell. 2,003,704; June 4.
Motor: *See*—
Electric motor.
Motor and power transmitter, Unitary electric. W. J. Peets and I. F. Webb. 2,004,055; June 4.
Mount, Horn. E. W. Menger. 2,003,896; June 4.
Mounting for rimless spectacles and eyeglasses. M. R. McDaniel. 2,004,005; June 4.
Mounting frame for dental articulators. B. F. Tommire. 2,003,727; June 4.
Muffler. T. K. Corless. 2,003,500; June 4.
Napkin embossing, printing, and folding machine, Paper. J. S. Burt. 2,004,032; June 4.
Necktie, Adjustable. M. Halpern and W. Mayer. 2,003,359; June 4.
Necktie holder. H. Cohn. 2,003,740; June 4.
Needle package, Hypodermic. P. C. Kerk. 2,004,050; June 4.
Nozzle holder. J. A. Skoglund. 2,003,837; June 4.
Nut, Self locking. H. A. Hayden. 2,003,591; June 4.
Oar. V. Ankarlo. 2,003,418; June 4.
Oboe mouthpiece. A. O. Buhren. 2,003,576; June 4.
Offset printing press. H. M. Barber. 2,003,798–800; June 4.
Oil burner. W. M. Esterling. 2,003,827; June 4.
Oil burner. J. J. Sloyan. 2,003,700; June 4.
Oil cooler. J. Flockhart. 2,003,744; June 4.
Oil, Cracking hydrocarbon. J. B. Heid. 2,003,537; June 4.
Oil, Dehydrating pine. S. G. Norton. 2,003,458; June 4.
Oil, Dewaxing hydrocarbon. E. F. Pevere. 2,003,667; June 4.
Oil from the peels of citrus fruit, Method and machine for extracting. W. A. Pipkin. 2,004,056; June 4.
Oil well drilling mud. T. K. Stinson. 2,003,701; June 4.
Oils, Apparatus for the treatment of hydrocarbon. W. F. Sims and V. U. Cloer. 2,003,724; June 4.
Oils, Cracking hydrocarbon. J. B. Heid. 2,003,536; June 4.
Oils, Treatment of hydrocarbon. W. M. Stradford. 2,003,776; June 4.
Olefine derivatives, Making. W. B. Scott, L. S. Bovler, and E. D. Matthews. 2,004,084; June 4.
Operating in a spinning or other room, Method and apparatus for. W. B. Walker. 2,003,911; June 4.
Optical appliance. O. W. Lee. 2,003,806; June 4.
Orange reamer and beater, Combined. R. R. Smith. 2,003,521; June 4.
Orchard or field heating and irrigating apparatus. M. E. Seeber. 2,003,520; June 4.
Oscillator, Constant frequency. E. L. Koch. 2,003,371; June 4.
Outlet box. M. Marians. 2,003,602; June 4.
Oven, Coking retort. J. Becker. 2,003,574; June 4.
Oven, Coking retort. J. van Ackeren. 2,003,565; June 4.
Oven protector. E. A. Rowe. 2,003,555; June 4.
Overspeed device. C. M. Bovard. 2,003,478; June 4.
Over-voltage protective device. R. R. Pittman. 2,003,954; June 4.
Packing for pistons. G. Christenson. 2,003,769; June 4.
Packing material, Thermo-nonconducting water repellent. C. A. Black. 2,003,335; June 4.
Pad: *See*—
Heating pad.
Padding, Manufacture of upholstery. J. A. Howard. 2,003,935; June 4.
Pads, Production of laundry. J. H. Daughdrill. 2,003,741; June 4.
Paper fastener. O. A. Ross. 2,003,554; June 4.
Parking device for automobiles. W. H. Harless. 2,003,361; June 4.
Pattern on dark colored skins or leathers, Producing. H. Ennis. 2,004,043; June 4.
Pavement with natural aggregates, Constructing asphalt. C. C. Jamieson. 2,003,888; June 4.
Paving material and preparing it. K. E. McConnaughay. 2,003,861; June 4.
Peat or peat forming materials more especially in connection with the production of peat powder, Harvesting of. T. Grim. 2,004,047; June 4.
Pedal, Foot accelerator. W. L. Kramer. 2,003,751; June 4.
Peel, Baker's. F. A. Jawort. 2,003,541; June 4.
Pen, Fountain. H. L. Carman. 2,003,479; June 4.
Pendent for watches and the like. L. L. Burghoff. 2,003,781; June 4.
Pentaerythrite, Producing. E. Naujoks. 2,004,010; June 4.
Perhydrocarbazoles, Heterocyclically substituted. M. Bockmühl, W. Krohs, and G. Ehrhart. 2,003,623; June 4.
Phenol, Production of. L. Kuhl. 2,003,941; June 4.
Phonograph. L. Goldhammer. 2,003,434; June 4.
Phonograph, Automatic. F. A. Brandstrom. 2,003,424; June 4.
Phonographic playing machine, Selective. P. H. Smyth, Jr. 2,004,016; June 4.
Photoelectric tube. J. H. de Boer and M. C. Teves. 2,003,344; June 4.
Photographic apparatus. C. Miller. 2,003,754; June 4.
Photographic copying. C. E. Lundberg. 2,003,691; June 4.
Photography, Auto-collimated objective for color. G. Grosset. 2,003,881; June 4.
Piano accordion. F. Piatanesi. 2,003,953; June 4.
Piano chord player. D. M. Moore. 2,003,384; June 4.
Picture apparatus, Portable talking motion. R. P. May. 2,003,381; June 4.
Picture set, Sound. F. L. Hunt. 2,003,937; June 4.
Piles, Forming. H. E. Satre. 2,003,393; June 4.
Pilot light. V. R. Despard. 2,004,039; June 4.
Pin: *See*—
Headed pin.
Pipe: *See*—
Tobacco pipe.
Pipe connection and making same, Threadless. I. T. Hook. 2,003,488; June 4.
Pipe cutter. W. F. Erriz and G. M. Pfundt. 2,003,630; June 4.
Pipe cutting device. R. J. Williamson. 2,003,619; June 4.
Pipe elbow. D. W. Hickey. 2,003,538; June 4.
Pipe tamper. J. C. Anderson. 2,003,416; June 4.
Piston. F. N. Nutt. 2,003,459; June 4.
Piston and ring. C. B. Welch. 2,003,764; June 4.
Piston meter. W. H. Parker and N. J. Seibert. 2,003,901; June 4.
Planting machine. L. and B. Poll. 2,003,390; June 4.
Plaque. J. V. Cavalero. 2,003,824; June 4.
Plug and receptacle, Attachment W K. Mess. 2,003,948; June 4.
Plug fuse with a replaceable fuse link. J. Rosenbaum. 2,003,792; June 4.
Plugs, Making spark. H. Rabozzana. 2,003,464; June 4.
Poise device. C. Cadiet. 2,004,054; June 4.
Position controlling device. E. C. Wente. 2,003,913; June 4.
Pot particularly for stereotype casting machines, Melting. R. Zanner. 2,003,796; June 4.
Poultry feeding and watering device. C. L. Thomsen. 2,003,318; June 4.
Power control. P. W. Eells. 2,003,351; June 4.
Power press. R. Temple, Jr. 2,003,843; June 4.
Power supply system for electric shovels and the like. C. R. Hathaway. 2,003,688; June 4.
Power transmission. C. B. Strandgren. 2,003,317; June 4.
Power transmission. C. C. Swetenham. 2,004,019; June 4.
Preparation of composite substances. A. S. Riggs. 2,003,603; June 4.
Preparation of quinazarine. H. R. Lee. 2,003,859; June 4.
Press: *See*—
Offset printing press. Printing press.
Power press.
Pressing machine, Table model E. Davis and A. Kagi. 2,003,501; June 4.
Pressure regulating and filtering device for fluids. V. Ey. 2,003,828; June 4.
Printing. R. Tomkin and J. S. Wilson. 2,003,960; June 4.
Printing and punching record controlled machine. M. Maul. 2,003,636; June 4.
Printing plate base. H. W. Hacker. 2,003,712; June 4.
Printing press. H. A. W. Wood. 2,003,639; June 4.
Printing presses, Feeding mechanism for. H. Irmscher. 2,003,364; June 4.
Process and apparatus for manufacture of nitric. I. Hechenbleikner. 2,004,000; June 4.
Projection unit. F. N. Jones. 2,003,890; June 4.
Propane and its partially chlorinated derivatives, Chlorinating. H. B. Hass and E. T. McBee. 2,004,073; June 4.
Propeller shaft. S. Jencick. 2,003,508; June 4.
Protecting device for automobile upholstery. W. C. Groff and W. C. Siebens. 2,003,435; June 4.
Protective device for elevators and elevator shaftways. L. A. Gaudry. 2,003,588; June 4.
Protector: *See*—
Oven protector.
Pulverulent material, Apparatus for conveying and conditioning. E. J. Lauterbur and F. N. Lauterbur 2,003,716; June 4.
Puller: *See*—
Hydraulic puller.
Pump: *See*—
Fuel pump. Rotary pump.
Pump. A. C. Durdin, 3d. 2,003,350; June 4.
Pump. C. H. Moneypenny. 2,003,666; June 4.
Pump plunger, Flexible. C. S. Crickmer and H. R. Standlee. 2,003,679; June 4.
Pumping power, Geared. J. R. Mahan and J. B. Picard. 2,003,601; June 4.
Punching machine, Record controlled. M. Maul. 2,003,637; June 4.

Quoin, Printer's. J. E. Lee, O. T. Gylleck, and F. Barney. 2,003,597; June 4.
Radiocabinet. J. E. Grimm. 2,003,436; June 4.
Radio direction finder. J. W. Greig. 2,003,932–3; June 4.
Radio frequency distribution system. J. Weinberger. 2,003,962; June 4.
Radio telegraph concentrator. V. H. Brown. 2,003,425; June 4.
Rail joints, Repairing. L. C. Ryan. 2,004,081; June 4.
Railroad cross-over. J. B. Strong and A. F. Huber. 2,003,398; June 4.
Railway ballast, Apparatus for continuously cleaning. M. H. Lemaire. 2,004,051; June 4.
Ratchet wrench, Reversible. J. S. Dodge. 2,003,346; June 4.
Razor and blade, Safety. N. Testi. 2,004,086; June 4.
Razor blade, Safety. V. Minnelli. 2,004,008; June 4.
Razor, Safety. N. Testi. 2,004,087; June 4.
Razor, Safety. A. W. Thistlethwaite. 2,003,872; June 4.
Receptacle: *See*—
Electrical outlet receptacle
Receptacles, Corrugating sheet metal. J. Stanitz and G. D. Boyer. 2,003,981; June 4.
Reel: *See*—
Film reel.
Refrigerating apparatus. D. H. Reeves. 2,003,402; June 4.
Refrigerating apparatus. A. F. Sanford. 2,004,014; June 4.
Refrigeration. F. D. Rexwinkle. 2,003,310; June 4.
Refrigeration apparatus and method. H. E. Willsie. 2,003,411; June 4.
Refrigerator sealing strip. R. S. Taylor. 2,003,726; June 4.
Regulator: *See*—
Ink fountain regulator. Speed regulator.
Residence elevator. A. T. Brown. 2,004,060; June 4.
Resinous composition. R. Hill. 2,003,291; June 4.
Retractable landing gear. H. D. Hoekstra. 2,003,885; June 4.
Reversing mechanism. Automatic. H. E. McCrory. 2,003,719; June 4.
Ring, bracelet, and the like, Finger. J. Pejchar. 2,003,950; June 4.
Rings, brooch pins, bracelets, and the like. A. B. Lesmeister. 2,003,376; June 4.
Road material, Device for spreading. J. E. Chadwick. 2,003,628; June 4.
Rock disk bit, Rotary. J. W. Sperry. 2,003,793; June 4.
Rod: *See*—
Fishing rod.
Roller cutter and spindle assembly for earth boring drills. C. E. Reed. 2,004,012; June 4.
Roofing and similar construction, Sheet metal. H. J. Little. 2,004,052; June 4.
Roofing material. H. von Forster and S. de Lange. 2,003,728; June 4.
Roofing or surfacing material. S. L. Enson. 2,003,503; June 4.
Roofing product. T. Robinson. 2,003,699; June 4.
Rotary disk bit. J. W. Sperry. 2,003,791; June 4.
Rotary pump. C. Smith, A. E. Prohaska, and A. L. Wilson. 2,003,815; June 4.
Rotating bodies, Method and mechanism for governing. G. Schmidt. 2,003,558; June 4.
Rotor for electric motors. E. V. Fahlman. 2,003,587; June 4.
Rudder control device, Automatic. E. Fischel. 2,003,930; June 4.
Safe structure. W. C. Miller and A. L. Abbott. 2,003,302; June 4.
Safety device for automatic controls. W. T. Beattie. 2,003,852; June 4.
Safety device for centrifugal pumps. I. Archer. 2,003,819; June 4.
Safety device for straight knitting machines. M. Zwicky. 2,003,766; June 4.
Sand braking device, particularly adapted for use on automobiles. M. Friedrich. 2,003,631; June 4.
Sanitary pad and belt. R. V. Polson. 2,003,654; June 4.
Scaffold, Adjustable. C. Daly, Jr. 2,003,581; June 4.
Scale, Weighing. H. Butler. 2,003,737; June 4.
Scale, Weighing. M. H. Hansen. 2,003,360; June 4.
Scow, Self-dumping. J. K. Munson. 2,003,694; June 4.
Screen plate support. G. Clausen. 2,003,923; June 4.
Seal. L. Q. Moore. 2,003,755; June 4.
Searchlight director. P. R. Bassett and F. R. House. 2,003,661; June 4.
Seat: *See*—
Lubricant sealed seat.
Seat adjuster. S. Miller. 2,003,549; June 4.
Seismic surveying. W. T. Born. 2,003,780; June 4.
Separator: *See*—
Centrifugal separator.
Separator and heat exchanger, Combined. G. A. Worn. 2,003,815; June 4.
Sewing machine. T. H. De Spain. 2,003,879; June 4.
Sewing machine. W. Pearson 2,003,461; June 4.
Sewing machine for stitching multiple seams. J. P. Wels. 2,003,672; June 4.
Sewing machine, Outsole shoe. F. Ashworth. 2,003,526; June 4.
Sewing machines, Edge guide for. C. F. Rubel. 2,003,470; June 4.
Sewing machines, Looper mechanism for. H. F. Gruman. 2,003,882; June 4.
Sewing machines, Presser-foot for. J. D. Karle. 2,003,665; June 4.
Sheet flasher for taking photographs. Y. Yamaguchi and H. Nakazawa. 2,003,660; June 4.
Sheet material for curing and protecting concrete and making same. E. H. Angier. 2,003,988; June 4.
Sheets from stacks thereof, Method of and apparatus for separating. J. P. Remington. 2,003,698; June 4.
Shield, Guy. E. St. John. 2,003,959; June 4.
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Shoes, Method and material for repairing. R. R. Bollman and C. L. Ornes. 2,004,059; June 4.
Shoeshine box. B. Azoubar. 2,003,279; June 4.
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Signal: *See*—
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Signalling. W. T. Ditcham. 2,003,285; June 4.
Signalling and power supply system. C. W. Green and H. S. Black. 2,003,967; June 4.
Silver roll forming machine. G. N. and J. Fraser. 2,004,045; June 4.
Skiving machine. A. Klick. 2,003,369; June 4.
Sleeve-valve mechanism for internal combustion engines. A. H. R. Fedden. 2,003,743; June 4.
Slitting mechanism for paper making machines. C. W. Valentine. 2,003,404; June 4.
Socket, Weatherproof. C. Batcholts. 2,003,622; June 4.
Soda solutions, Treating caustic. H. M. Broadhurst. 2,003,734; June 4.
Sodium carbamate and ammonium chloride, Production and recovery of. R. B. MacMullin. 2,003,378; June 4.
Sole and like product, Inner. M. J. Vittengl. 2,003,961; June 4.
Solution components and effecting separation thereof, Separating. J. D. Jordan. 2,003,543; June 4.
Sorting machine. P. Rieger. 2,003,790; June 4.
Sound actuated device. H. R. Widen. 2,003,765; June 4.
Sound amplification, Adjusted. C. M. R. Balbi. 2,003,875; June 4.
Sound reproducer and projector, Pneumatic. W. C. Eaves and C. F. Dilks. 2,003,880; June 4.
Spare wheel carrier. F. C. Burnett and G. S. Adams. 2,003,853; June 4.
Spark generating system. D. W. Randolph and H. Rabozzana. 2,003,466; June 4.
Spectacle frames, Forming. A. J. Wolff. 2,003,846; June 4.
Speed regulator, Air controlled. R. H. Ranger, V. T. Braman and C. E. Nelson. 2,003,552; June 4.
Spool. E. G. Ellstrom and W. P. Hicks. 2,003,663; June 4.
Spray coating machine. C. C. Willis. 2,003,778; June 4.
Spray head. G. H. Buzzard and R. W. Tracy. 2,004,033; June 4.
Spray wheel. W. S. Bowen. 2,003,575; June 4.
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Wire spiral spring.
Stabilizer for vehicles. G. V. Woodling. 2,004,068; June 4.
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Stairway. J. Birtcher. 2,003,876; June 4.
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Starter, Engine. R. P. Lansing. 2,003,452; June 4.
Starting mechanism Automatic. L. K. Loehr and W. E. Burdick. 2,004,053; June 4.
Steam power installation for momentary reserve. J. Ruths. 2,003,315; June 4.
Stereoscope. H. A. de Vry. 2,003,480; June 4.
Sterilizing apparatus. K. W. Karnopp. 2,003,651; June 4.
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Stoker fuel deflector. A. Bayreuther. 2,003,422; June 4.
Stoking mechanism. E. Ryan and E. R. Funk. 2,003,472; June 4.
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Stop motion for braiding machines. J. F. Schenck, Sr., and P. S. Monty. 2,003,978; June 4.
Stop motion for knitting machines. A. Gruna and F. Radhuber. 2,003,774; June 4.
Stove and the like, Camp. C. L. Pearson. 2,003,974; June 4.
Strainer. O. Hannesschlager. 2,004,071; June 4.
Strainer. L. J. Thomas. 2,003,658; June 4.
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Stretcher, Foldable. F. Tintner. 2,003,844; June 4.
Sugar, Production of pure white. I. Bloch. 2,003,965; June 4.
Superheater boiler. W. H. Armacost. 2,003,818; June 4.
Superheater, Oil field. F. I. Epley. 2,003,826; June 4.
Superheater support. R. Smith. 2,003,838; June 4.
Support: *See*—
Brake beam support. Superheater support.
Screen plate support.
Support. J. H. Woodberry. 2,003,327; June 4.

Support for brake rods, Safety. S. A. Crone. 2,003,802 ; June 4.
Suspender and assemblage, Cord elastic. L. W. Joyce. 2,003,730 ; June 4.
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Table for fourdrinier machines, Vertically adjustable. L. L. Laperrouse. 2,003,753 ; June 4.
Table or similar article of furniture. V. F. Blake. 2,003,821 ; June 4.
Table with foldable leaves. W. A. Duncan. 2,003,926 ; June 4.
Tack supplying device. W. T. Roberts. 2,003,391 ; June 4.
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Tarnishing of silverware, Method and material for preventing the. K. H. Barnard and H. F. Kane. 2,003,333 ; June 4.
Telegraph system. E. F. Watson. 2,003,325 ; June 4.
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Telephone toll apparatus. G. A. and W. W. Long. 2,003,948 ; June 4.
Telephone transmission system. O. B. Jacobs. 2,003,969 ; June 4.
Television receiving and projecting means and method. L. de Forest. 2,003,680 ; June 4.
Television system. J. W. Horton. 2,003,294 ; June 4.
Temperature controlling device. V. L. Ronci. 2,003,956 ; June 4.
Tension controlling means. H. A. W. Wood. 2,003,569 ; June 4.
Tension testing device for spring contacts. J. E. Stephenson. 2,003,910 ; June 4.
Terminal cleaning tool, In and out. I. E. Coffey. 2,003,629 ; June 4.
Terminal connection for electrical heating elements. J. A. Boyer. 2,003,625 ; June 4.
Terpene product and producing same, Sulphonated. A. L. Rummelsburg. 2,003,471 ; June 4.
Tertiary butyl acetic acid. F. C. Whitmore, A. H. Homeyer, and W. R. Trent. 2,004,066 ; June 4.
Test cores, Device for orienting. E. L. De Maris. 2,003,345 ; June 4.
Tester, Gas engine leakage. J. D. Morgan and P. B. Levitt. 2,003,949 ; June 4.
Textile fabrics with vat dyestuffs, Printing of. H. Berthold, C. Krauss, and A. Hagenböcker. 2,003,641 ; June 4.
Textile hemstitching machine. E. B. Roby. 2,004,080 ; June 4.
Textile materials by latex, Impregnation of. J. E. C. Bongrand and L. S. M. Lejeune. 2,004,029 ; June 4.
Textiles, Sizing and dyeing of. W. Whitehead. 2,003,409 ; June 4.
Textiles, Stripping and discharging dyed. J. G. Evans and L. G. Lawrie. 2,003,928 ; June 4.
Therapeutic device. J. W. Bacon and T. S. Warren. 2,003,527 ; June 4.
Thermostat, Cartridge. P. A. Nothstine. 2,003,638 ; June 4.
Thermostat, Snap action. E. W. McKinley. 2,003,947 ; June 4.
Threads, Manufacture of rubber. K. R. Shaw. 2,004,085 ; June 4.
Threads or strips of rubber or the like, Manufacture of. U. Pestalozza. 2,003,721 ; June 4.
Threshing. L. H. Thoen. 2,003,522–3 ; June 4.
Timing mechanism. M. S. Curtis. 2,004,838 ; June 4.
Tire, Antiskidding. E. Coenning. 2,004,836 ; June 4.
Tobacco pipe. D. P. Lavietes. 2,003,373 ; June 4.
Tobacco product. L. O. Lewton. 2,003,690 ; June 4.
Toilet seat hinge. J. Uffen. 2,004,023 ; June 4.
Tool : *See*—
Boring tool.
Cleaner floor tool.
Terminal cleaning tool.
Tool attachment. A. Scott. 2,004,083 ; June 4.
Tool for making cartridge shells. L. A. Guignet. 2,003,438 ; June 4.
Tool for reservicing springs equipped with spring covers. W. F. Eisenhauer. 2,003,708 ; June 4.
Tool for reservicing springs equipped with spring-covers. W. F. Eisenhauer and W. T. Ferguson. 2,003,709 ; June 4.
Tools, Making valve seat. F. O. Albertson. 2,003,570 ; June 4.
Torque transmission device. R. V. Derrah. 2,003,825 ; June 4.
Toughness or resistance to breakage of abrasive bodies by impact, Apparatus for determining. R. L. Melton and J. Fitzpatrick. 2,003,863 ; June 4.
Tower, Forced draft multiple fan cooling. L. T. Mart. 2,003,547 ; June 4.
Toy. W. E. Hopkins. 2,003,748 ; June 4.
Track forming, spacing, and retaining structure, Combined. G. Van Voorst, Jr. 2,004,025 ; June 4.
Traction unit, Independently mounted. A. F. Masury. 2,003,548 ; June 4.
Traffic control, Apparatus for. R. H. Worrall. 2,003,328 ; June 4.
Traffic controlling system, Centralized. R. M. Phinney. 2,003,952 ; June 4.
Trailer, Camp. R. S. Allen and B. Oakes. 2,003,816 ; June 4.
Trailer, Camping. O. J. Lehrer and J. B. Blankenship. 2,003,598 ; June 4.
Transmission. O. H. Banker. 2,003,963 ; June 4.
Transmission, Automatic. R. E. Keller. 2,003,634 ; June 4.
Trap : *See*—
Animal trap.
Truck. J. Twik. 2,004,022 ; June 4.
Truck body, Demountable. B. F. Fitch. 2,003,287 ; June 4.
Truck, Rail car. J. Ledwinka. 2,003,546 ; June 4.
Tube : *See*—
Braun tube.
Discharge tube.
Electron tube.
Photo-electric tube.
Tube paste dispenser. A. B. Chatelain. 2,003,283 ; June 4.
Tube rolling mill. K. A. Nygren and J. A. Zschiesche. 2,003,551 ; June 4.
Tuning control. G. Roethel, Jr. 2,003,608 ; June 4.
2'-nitro-2-carboxy-diphenylamine, Manufacture of. L. Spiegler. 2,003,842 ; June 4.
Typewriting machine. A. A. Johnson. 2,003,858 ; June 4.
Typographical slug. W. W. Morey. 2,003,693 ; June 4.
Underframe construction for railway cars. A. Campbell. 2,003,341 ; June 4.
Universal joint. G. H. Hufford. 2,003,539 ; June 4.
Upholstery machine. A. S. Mitchell. 2,003,897 ; June 4.
Utensil, Serving. W. S. Martin. 2,003,895 ; June 4.
Vacuum relief valve. J. F. Cilley. 2,003,678 ; June 4.
Valve : *See*—
Centrifugally controlled valve.
Float operated valve.
Vacuum relief valve.
Valve for automatic sprinkler systems, Control. M. E. Halford. 2,003,884 ; June 4.
Valve for tank outlets, Adapter. V. Willoughby and W. L. Lapworth. 2,003,915 ; June 4.
Vanity box. E. Farkas. 2,003,355 ; June 4.
Vapor phase reactions, Effecting organic. J. C. Woodhouse. 2,003,477 ; June 4.
Vapors vented from storage tanks, Apparatus for and method of recovering. LeR. D. Cilley. 2,004,074 ; June 4.
Vegetables and the like, Device for cutting and pressing. H. J. Marlowe. 2,003,299 ; June 4.
Vehicle control, Motor. W. B. Fageol. 2,003,431 ; June 4.
Vessels and the like in one continuous working process, Apparatus for the sterilization and sterile filling of. F. Stegemann. 2,003,869 ; June 4.
Vibrator, Power driven. M. Andis. 2,003,332 ; June 4.
Volume control for transmission circuits. F. A. Cowan. 2,003,428 ; June 4.
Wall construction, Veneer. C. S. and E. G. Finzer. 2,003,996 ; June 4.
Wall fixture, Knockdown. M. T. Johnston. 2,003,633 ; June 4.
Wardrobe and clothes drier, Convertible and portable. D. B. Cleveland. 2,004,035 ; June 4.
Warning signal. A. F. Gillet. 2,003,505 ; June 4.
Washer for bearings, Grease retaining. L. H. Hansel. 2,003,934 ; June 4.
Washing device and method. C. S. Woods. 2,003,847 ; June 4.
Washing machine. C. F. Brunn. 2,003,642 ; June 4.
Water purification. B. and C. B. Russell. 2,003,314 ; June 4.
Water softening apparatus. T. B. Clark. 2,003,739 ; June 4.
Water softening, Continuous automatic. E. Pick. 2,003,757 ; June 4.
Water through the pressure bags of tire retreading molds, Circulating hot. H. J. Woock. 2,003,567 ; June 4.
Water treating apparatus. E. T. Turner. 2,003,762 ; June 4.
Wave translation system. H. S. Black. 2,003,282 ; June 4.
Wax from oil, Filtration of. F. X. Govers. 2,003,664 ; June 4.
Wear compensating means. C. L. Best. 2,003,528 ; June 4.
Weighing and mixing mechanism. D. C. Jeffrey and H. J. Wolfe. 2,003,832 ; June 4.
Weight indicator, Cotton-lap. W. H. Trogdon. 2,004,020 ; June 4.
Welded articles, Making. T. F. Birmingham. 2,003,820 ; June 4.
Welding device. J. E. Trainer and C. Ziegler. 2,003,320 ; June 4.

Well tubing hanger. G. C. Imler and D. M. Hause. 2,003,446 ; June 4.
Wheel : *See*—
Spray wheel.
Wheel drive, Front. W. McCarthy and G. Wolff. 2,003,718 ; June 4.
Wheel testing apparatus. L. A. Weaver, A. R. Squyer, and E. K. Hall. 2,003,912 ; June 4.
Window. H. G. V. Rydahl. 2,003,723 ; June 4.
Window construction. E. C. Swanson. 2,003,982 ; June 4.
Window, Display. G. B. Brown and E. Pollard. 2,003,735 ; June 4.
Window operating means, Automobile. W. F. Sheltzline. 2,003,614 ; June 4.
Wire drawing die. R. C. Shipp. 2,003,475 ; June 4.
Wire, Marble-sawing. P. de V. d'Avocourt. 2,003,994 ; June 4.
Wire spiral spring. W. Vinar. 2,003,406 ; June 4.
Worm, Vibration absorbing. H. C. Harrison. 2,003,440 ; June 4.
Woven wire fabric. J. O'Neill. 2,003,695 ; June 4.
Wrench : *See*—
Ratchet wrench.
Wrench. A. F. Thener. 2,003,983 ; June 4.
Yarns, Manufacture of staple fiber. W. I. Taylor and L. B. Gibbins. 2,003,400 ; June 4.
Yoke and making the same, Lace. S. Goodman. 2,003,998 ; June 4.

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68: 2,003,935
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70: 2,003,849
2,003,850
70.2: 2,003,481
92— 9: 2,003,347
30: 2,003,923
44: 2,003,753
93— 6: 2,004,048
35: 2,004,041
93— 60: 2,003,643
94— 23: 2,003,888
48: 2,004,083
95— 34: 2,003,691
44: 2,003,754
96— 19: 2,003,978
97— 55: 2,003,871
217: 2,003,831
99— 2: 2,004,001
11: 2,003,415
2,003,427
2,003,454
2,004,009
15: 2,003,644
18: 2,003,651
2,003,745
100— 31: 2,003,874
42: 2,003,299
47: 2,004,056
101: 2,003,472
101— 19: 2,003,636
132: 2,003,469
177: 2,003,708
2,003,800
220: 2,003,799
287: 2,003,787
364: 2,003,544
374: 2,003,693
382: 2,003,712
102— 21: 2,003,660
103— 26: 2,003,819
89: 2,003,666
96: 2,003,350
136: 2,003,615
150: 2,003,420
225: 2,003,679
258: 2,003,747
105— 196: 2,003,546
228: 2,003,341
234: 2,003,455
354: 2,003,514
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364: 2,003,878
366: 2,003,287
106— 18: 2,003,335
25: 2,003,656
27: 2,003,613
31: 2,003,951
33: 2,003,789
40: 2,003,295
107— 1: 2,003,578
8: 2,003,516
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2,003,518
14: 2,003,617
19: 2,003,432
2,003,612
67: 2,003,541
108— 6: 2,003,728
7: 2,003,503
8: 2,003,699
18: 2,004,052
109— 1: 2,003,302
110— 44: 2,003,423
101: 2,003,422
2,003,445
2,003,462
111— 3: 2,003,300
112— 2: 2,003,672
2,003,897
2,004,080
3: 2,003,461
31: 2,003,526
153: 2,003,470
159: 2,003,879
200: 2,003,882
219: 2,003,512
113— 1: 2,003,321
35: 2,003,673
119: 2,004,076
114— 38: 2,003,694
115— 24: 2,003,904
116— 142: 2,003,505
167: 2,003,340
117— 45: 2,003,353
118— 33: 2,003,362
69: 2,003,400
119— 16: 2,003,868
61: 2,003,318
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122— 17: 2,003,742
32: 2,004,075
173: 2,003,980
235: 2,003,419
250: 2,003,491
2,003,579
265: 2,004,058
318: 2,003,786
478: 2,003,818
485: 2,003,826
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52: 2,003,984
2,004,002
81: 2,003,743
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148: 2,003,466
169: 2,003,453
171: 2,004,040
173: 2,003,571
179: R. 19,597
2,003,452
191: 2,003,677
2,003,822
195: 2,003,485
125— 12: 2,003,994
126— 29: 2,003,974
41: 2,004,024
44: 2,003,413
59.5: 2,003,520
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242: 2,003,559
64: 2,003,965
127— 32: 2,003,311
289: 2,003,654
129— 16.7: 2,003,854
130— 27: 2,003,522
2,003,523
131— 12: 2,003,373
31: 2,003,690
51: 2,003,895
59: 2,003,416
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33: 2,003,280
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86: 2,004,044
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17: 2,004,059
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79: 2,003,655
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75: 2,003,580
2,003,949
78: 2,003,892
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160: 2,003,500
139— 171: 2,004,031
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144— 117: 2,003,643
148— 24: 2,003,855
150— 1.5: 2,003,733
3: 2,003,720
40: 2,003,553
151— 21: 2,003,591
33: 2,004,006
152— 14: 2,003,036
153— 2: 2,003,448
45: 2,003,438
70: 2,003,981
154— 2: 2,003,494
2,003,934
43: 2,003,752
155— 14: 2,003,549
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76: 2,003,700
161— 7: 2,003,739
164— 60: 2,004,085
65: 2,003,404
73: 2,003,348
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115: 2,003,637
166— 5: 2,004,071
167— 94: 2,003,684
169— 17: 2,003,884
36: 2,003,300
170— 164: 2,003,620
171— 119: 2,003,945
264: 2,003,959
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172— 120: 2,003,787
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264: 2,003,772
266: 2,004,004
267: 2,003,910
2,003,991
326: 2,003,586
330: 2,003,948
344: 2,003,906
350: 2,003,507
358: 2,003,622
174— 89: 2,003,392
177: 2,003,527
175— 30: 2,003,298
2,003,954
41.5: 2,003,545
91: 2,003,483
183: R. 19,600
R. 19,601
2,003,336
204: 2,003,706
320: 2,003,952
176— 51: 2,003,675
122: 2,003,410
2,003,468
2,003,493
177— 311: 2,003,443
2,003,760
2,004,039
329: 2,004,007
337: 2,003,328
355: 2,003,358
386: 2,003,284
178— 4: 2,003,325
5: 2,003,680
6: 2,003,294
44: 2,003,282
2,003,428
75: 2,003,425
179— 18: 2,003,782
92: 2,003,689
100.2: 2,003,968
100.3: 2,003,401
107: 2,003,875
113: 2,003,880
170: 2,003,964
2,003,967
2,003,969
171: 2,003,285
175.3: 2,003,913
180— 1: 2,003,361
2,003,627
42: 2,003,718
73: 2,004,063
77: 2,003,431
181— 0.5: 2,003,780
30: 2,003,937
32: 2,003,908
182— 31: 2,003,770
184— 6: 2,003,563
27: 2,003,389
28: 2,003,281
105: 2,003,708
2,003,709
187— 24: 2,004,060
52: 2,003,399
98: 2,003,588
188— 10: 2,003,972
78: 2,004,062
81.1: 2,003,607

188—	88:	2,003,823	206—	46:	2,003,862	225—	40:	2,003,532	250—	11:	2,003,372
	180:	2,003,552	209—	110:	2,003,790	226—	48:	2,003,417			2,003,375
	210:	2,003,499		121:	2,003,561		80:	2,003,682			2,003,932
		2,003,902			2,004,722			2,003,933			2,004,079
		2,003,903		137:	2,003,899		110:	2,003,869		14:	2,003,405
	213:	2,003,530		232:	2,003,430	229—	23:	2,003,326		17:	2,003,329
189—	31.5:	2,003,959	210—	9:	2,003,314		37:	2,003,388		20:	2,003,877
	46:	2,003,577		24:	2,003,757		51:	2,003,925		27:	2,003,992
	84:	2,003,723			2,003,762		54:	2,003,697		27.5:	2,003,301
192—	4:	2,003,963		48:	2,003,589		62:	2,003,704			2,003,344
	18:	2,003,795		55:	2,003,357	230—	21:	2,003,476			2,003,609
		2,004,065		72:	2,004,064	233—	7:	2,003,767			2,003,775
	25:	2,003,529		150:	2,003,656		13:	2,003,621		36:	2,003,371
	48:	2,003,838	211—	32:	2,003,650		58:	2,003,783	252—	5:	2,003,429
	105:	2,003,322		148:	2,003,633		59:	2,003,997			2,003,662
		2,003,328	212—	8:	2,003,599	236—	48:	2,003,947	254—	42:	2,003,597
		2,003,324	213—	1:	2,003,989	237—	12:	2,003,585	255—	1:	2,003,701
193—	24:	2,003,715		38:	2,003,582	238—	292:	2,003,498		71:	2,003,791
194—	10:	2,003,349			2,003,583		330:	2,003,396			2,003,793
	16:	2,003,946	214—	7:	2,003,519	240—	1.2:	2,003,661			2,004,012
	88:	2,003,489		78:	2,004,022		4.2:	2,004,054			2,004,013
	97:	2,003,771		138:	2,003,900		8.3:	2,003,804		72:	2,003,345
196—	19:	2,003,664	215—	21:	2,003,873		8.16:	2,003,807	257—	13.1:	2,004,026
		2,003,667		38:	2,003,307		11.4:	2,003,342		182:	2,003,938
	49:	2,003,537		74:	2,004,027		38:	2,003,352		223:	2,003,815
	58:	2,003,536	216—	20:	2,003,337		41.4:	2,003,805		230:	2,003,705
	60:	2,003,776	217—	12:	2,003,717		41.5:	2,003,687		241:	2,003,744
	94:	2,003,306	219—	4:	2,003,320	241—	26:	2,003,750		245:	2,003,758
	107:	2,003,724		10:	2,003,467	242—	35.5:	2,003,903		246:	2,003,593
197—	126:	2,003,868		11:	2,003,486		75:	2,003,569	259—	84:	2,003,931
200—	46:	2,003,862		13:	2,003,855		119:	2,003,663		101:	2,003,642
	106:	2,003,686		37:	2,003,714	244—	2:	2,003,885		102:	2,003,829
	116:	2,003,766		39:	2,003,496		14:	2,003,975		131:	2,003,521
	120:	2,003,977		43:	2,003,490		19:	2,003,331	260—	3:	2,003,291
	122:	2,003,638		46:	2,003,530		29:	2,003,930		40:	2,003,595
	130:	2,003,792	220—	35:	2,003,355		30:	2,003,433		43:	2,003,703
	135:	2,003,616		40:	2,003,784	246—	63:	R. 19,599		44:	2,003,444
201—	63:	2,003,625		71:	2,003,808		240:	2,003,392		45:	2,003,623
	76:	2,003,592		85:	2,004,074		253:	2,003,944		48:	2,003,421
202—	142:	2,003,574		94:	2,003,460		465:	2,003,368		58:	2,003,859
	143:	2,003,565	221—	60:	2,003,283	247—	11:	2,003,447		67:	2,003,407
	158:	2,004,011			2,003,506		21:	2,003,909		99.10:	2,003,471
	198:	2,003,308			2,004,015		22:	2,003,602		100:	2,003,696
204—	25:	2,004,065		108:	2,003,862		25:	2,003,676		101:	2,003,408
	31:	2,003,898	222—	7:	2,003,649	248—	41:	2,300,535		107:	2,003,374
205—	19:	2,003,368	223—	18.3:	2,003,707		68:	2,003,838		108:	2,003,640
	29:	2,003,475		54:	2,003,942		83:	2,003,837		109:	2,003,842
206—	29:	2,003,870		64:	2,003,763		198:	2,003,482		112:	2,004,066
	43:	2,004,060	224—	29:	2,003,853	249—	22:	2,003,832		116:	2,003,477
	46:	2,003,600	228—	22:	2,004,018	250—	9:	2,003,962			2,003,584

260—	128:	2,003,386	261—	1:	2,003,911	274—	11:	2,003,434			
	131:	2,004,069		44:	2,004,003	275—	8:	2,003,628			
	154:	2,003,941		80:	2,003,313	280—	150:	2,003,502			
	156:	2,003,303		52:	2,003,403	282—	16:	2,004,028			
		2,004,064		78:	2,003,363	284—	17:	2,004,082			
	156.5:	2,004,010		109:	2,003,547	285—	22:	2,003,446			
	162:	2,004,072		2:	2,003,606		71:	2,003,732			
	166:	2,004,073	262—		2,003,779			2,003,918			
	167:	2,003,458		15:	2,003,943			146:	2,003,710		
	1:	2,003,911		15:	2,003,817			204:	2,003,538		
	44:	2,004,003	265—	13:	2,003,863	287—	83:	2,003,539			
	80:	2,003,313		17:	2,003,749	287—	14:	2,003,844			
	52:	2,003,403		18:	2,003,910	290—	36:	2,004,053			
	78:	2,003,363		68:	2,003,360	291—	36:	2,003,631			
	109:	2,003,547			2,003,737	292—	182:	2,003,394			
262—	2:	2,003,606		70:	2,004,034		221:	2,003,731			
		2,003,779	266—	5:	2,003,970		264:	2,003,473			
263—	15:	2,003,943	267—	11:	2,004,068		288:	2,003,856			
264—	15:	2,003,817		65:	2,003,511		307:	2,003,755			
265—	13:	2,003,863		9:	2,003,927	293—	55:	2,003,645			
	17:	2,003,749	268—	35:	2,003,484	295—	36:	2,003,605			
	18:	2,003,910		65:	2,003,533	296—	23:	2,003,598			
	68:	2,003,360			2,003,534			2,003,816			
		2,003,737		70:	2,003,652	299—	63:	2,003,575			
	70:	2,004,034		125:	2,003,614		107.5:	2,003,814			
266—	5:	2,003,970		1:	2,003,539		107.6:	2,003,813			
267—	11:	2,004,068		78:	2,004,032		131:	2,003,827			
	65:	2,003,511	271—	2.1:	2,003,999		140.1:	2,004,033			
268—	9:	2,003,927		2.4:	2,004,021	302—	17:	2,003,716			
	35:	2,003,484		25:	2,003,698	304—	8:	2,003,581			
	65:	2,003,533	272—	73:	2,003,917	305—	8:	2,003,548			
		2,003,534		35:	2,003,809	308—	24:	2,003,729			
	70:	2,003,652	273—	77:	2,003,951		73:	2,003,316			
	125:	2,003,614		108:	2,003,801		180:	2,003,339			
270—	5:	2,003,539		119:	2,003,356	309—	11:	2,003,459			
	78:	2,004,032		122:	2,003,370		42:	2,003,764			
271—	2.1:	2,003,999		144:	2,003,979	311—	35:	2,003,821			
	2.4:	2,004,021		157:	2,003,845		73:	2,003,926			
	25:	2,003,698	274—	10:	2,003,424		82:	2,003,836			
272—	73:	2,003,917			2,004,016		99:	R. 19,596			
273—	35:	2,003,809						2,003,835			
	77:	2,003,951				312—	5:	2,004,035			
	108:	2,003,801					7:	2,003,436			
	119:	2,003,356					150:	2,004,025			
	122:	2,003,370									
	144:	2,003,979									
	157:	2,003,845									
274—	10:	2,003,424									
		2,004,016									

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air Reduction Sales Company, New York, N. Y. Machines for cutting and welding metal. Serial Nos. 363,686–8; June 11. Class 34.

Air-Way Electric Appliance Corporation, Toledo, Ohio. Insecticide dusting attachments, vacuum cleaning machines, etc. Serial No. 333,696; June 11. Class 23.

Aktieselskabet de Danske Spritfabrikker, Copenhagen, Denmark. Wines. Serial No. 352,945; June 11. Class 47.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Sleds. Serial No. 363,992; June 11. Class 22.

Alta Winery & Distillery, Inc., Dinuba, Calif. Brandy. Serial No. 364,267; June 11. Class 49.

American Crayon Company, The, Sandusky, Ohio. Chalk crayons. Serial Nos. 364,166–7; June 11. Class 37.

American Pop Corn Company, Sioux City, Iowa. Pop corn. Serial No. 361,497; June 11. Class 46.

American Sheet and Tin Plate Company, Pittsburgh, Pa. Rolled ferrous metal sheets and plates. Serial No. 363,256; June 11. Class 14.

American Sheet and Tin Plate Company, Pittsburgh, Pa. Rolled ferrous metal sheets and plates. Serial No. 363,356; June 11. Class 14.

Amling Rose Company, Pana, Ill. Horticultural growths and nursery stocks. Serial No. 363,737; June 11. Class 1.

Anaconda Wire & Cable Company, New York, N. Y. Empty spools for holding wire. Serial No. 363,543; June 11. Class 2.

Applebaum, Rebecca, doing business as Monarch Wine Co., assignor to Monarch Wine Company, Inc., New York, N. Y. Still and sparkling wines. Serial No. 358,912; June 11. Class 47.

Arbuthnot-Stephenson Company, Pittsburgh, Pa. Work shirts and overalls. Serial No. 361,245; June 11. Class 39.

Atlantic Blending Co. (See Pelton, William W.)

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum products. Serial No. 363,028; June 11. Class 15.

Badger Rubber Works, The, Chicopee Falls, Mass. Vehicle tires and inner tubes. Serial No. 364,322; June 11. Class 35.

Bahnson Company, The, Winston-Salem, N. C. Distributing headers for air conditioning systems. Serial No. 363,691; June 11. Class 34.

Barker Brothers Silver Company, Inc., New York, N. Y. Silver plated hollow ware and flatware. Serial No. 363,646; June 11. Class 28.

Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. Serial No. 361,448; June 11. Class 39.

Beaumart, Inc., Bridgeport, Conn. Gin, whiskey, and brandy. Serial Nos. 363,909–10; June 11. Class 49.

Bengor Products Co. (See Gordon, Benjamin.)

Bird & Son, Inc., East Walpole, Mass. Slate-surfaced asphalt siding and shingles. Serial No. 364,326; June 11. Class 12.

Bloch, Albert, & Sons, Inc., New York, N. Y. Chamois skins. Serial No. 363,692; June 11. Class 29.

Boles, J. Ross, doing business as Sal Rich Company, San Antonio, Tex. Mouth wash powder. Serial No. 363,151; June 11. Class 6.

Boston Produce Company, The, Boston, Mass. Celery. Serial No. 363,089; June 11. Class 46.

Breyer, Joseph, doing business as Nanta Company, New York, N. Y. Eliminant treatment. Serial No. 362,734; June 11. Class 6.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, gin, rum, etc. Serial No. 363,649; June 11. Class 49.

Brunswig Drug Co., doing business as Reliance Laboratories, Los Angeles, Calif. Antacid powder, antiseptic mouth wash, and powder, etc. Serial No. 362,939; June 11. Class 6.

California Grape Products Company, Ltd., San Francisco, Calif. Wines. Serial No. 364,403; June 11. Class 47.

Callanan, L. J., & Co., Inc., New York, N. Y. Wines. Serial Nos. 362,991–2; June 11. Class 47.

Carnrick, G. W., Co., Newark, N. J. Endocrine cholagogue and cathartic. Serial No. 363,554; June 11. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial No. 363,202; June 11. Class 42.

Century Distilling Co., Peoria, Ill. Whiskey. Serial Nos. 363,695–701; June 11. Class 49.

Chicago Flexible Shaft Company, Chicago, Ill. Food mixers, fruit juice extractors, mayonnaise makers, etc. Serial No. 358,471; June 11. Class 22.

Chrestien, F. F., & Co. Limited, Domchanch, Behar, India, and London, England. Mica. Serial No. 362,403; June 11. Class 1.

Clarite Laboratories, Inc., New York, N. Y., assignor to Clark-Wright, Inc., Boston, Mass. Foot creams. Serial No. 362,669; June 11. Class 6.

Clark-Wright, Inc. (See Clarite Laboratories, Inc., assignor.)

Club Razor and Blade Mfg. Corp., Newark, N. J. Razor blades. Serial No. 364,174; June 11. Class 23.

Cluff and Pickering, Ltd., New York, N. Y. Wines. Serial Nos. 364,272–3; June 11. Class 47.

Cohen, Goldman & Co., Inc., New York, N. Y. Men's, boys', and children's outer garments, and summer clothing. Serial Nos. 361,660–1; June 11. Class 39.

Columbian Rope Company, Auburn, N. Y. Rope, cord, and twine. Serial No. 364,050; June 11. Class 7.

Comex Trading Co., Inc., New York, N. Y. Olive oil. Serial No. 364,277; June 11. Class 46.

Comfi-Coil Corporation, Providence, R. I. Mattresses and furniture. Serial No. 362,069; June 11. Class 32.

Continental Cigar Corporation, Scranton, Pa. Cigars. Serial No. 364,379; June 11. Class 17.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial Nos. 363,452–3; June 11. Class 49.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cox, Orin K., Los Angeles, Calif. Dish washing machine. Serial No. 363,272; June 11. Class 23.

D & B Products Corporation, Jersey City, N. J. Rum, whiskey, gin, etc. Serial No. 363,747; June 11. Class 49.

Davis, Howard W., doing business as The Nevlo Company, San Antonio, Tex. Preparation for the relief of nervous headaches, nervous indigestion, insomnia, etc. Serial No. 363,207; June 11. Class 6.

De Boisgaumarié, Bn. P. LeRoy, Chateauneuf-du-Pape, France. Wines. Serial No. 349,673; June 11. Class 47.

Der-Mo-Topic Laboratories. (See Gilroy, William F.)

Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany. Magnets. Serial No. 358,283; June 11. Class 21.

Dewey and Almy Chemical Company, Cambridge, Mass. Saturating paper, rubber saturated paper, etc., called artificial leather. Serial No. 363,428; June 11. Class 50.

Dewey and Almy Chemical Company, Cambridge, Mass. Automobiles and structural parts thereof. Serial No. 364,412; June 11. Class 19.

Diehl Research Laboratories, Ltd., Los Angeles, Calif. Dry antiseptic powder. Serial No. 363,209; June 11. Class 6.

Diesel Engines, Inc., New York, N. Y. Monthly magazine. Serial No. 364,381; June 11. Class 38.

Dieselator Corporation of America, Los Angeles, Calif. Carburetors for internal combustion engines. Serial No. 360,027; June 11. Class 23.

Dow Chemical Company, The, Midland, Mich. Vat dyes. Serial No. 363,653; June 11. Class 6.

Eagle Pencil Company, New York, N. Y. Lead pencils. Serial No. 363,853; June 11. Class 37.

Edwards Manufacturing Company, The, Cincinnati, Ohio. Caskets, casket shells, and burial vaults. Serial No. 361,558; June 11. Class 2.

Ehrmann, Hillmar, doing business as Hillmar Ehrmann & Company, Louisville, Ky. Gin, whiskey, and brandy. Serial No. 364,055; June 11. Class 49.

Electrosol Company, Inc., New York, N. Y. Colloidal copper in solution. Serial No. 363,625; June 11. Class 6.

Elgin National Watch Company, Chicago, and Elgin, Ill. Watches, watch movements, and watch cases. Serial No. 360,928; June 11. Class 27.

Elizabeth City Hosiery Co., Elizabeth City, N. C. Hosiery. Serial No. 362,739; June 11. Class 39.

Epstein Underwear Co., New York, N. Y. Silk underwear. Serial No. 361,000; June 11. Class 39.

Exhibit Supply Company, The, Chicago, Ill. Coin controlled amusement apparatus. Serial Nos. 364,413–5; June 11. Class 22.

Faber, A. W., Inc., Newark, N. J. Lead and colored pencils, rubber pencils, rubber erasers, etc. Serial No. 364,178; June 11. Class 37.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, brandy, gin, etc. Serial No. 363,499; July 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 364,094; June 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 364,179; June 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 364,384; published June 11. Class 49.

Finck Cigar Company, San Antonio, Tex. Cigars. Serial No. 362,957; June 11. Class 17.

Franklin Simon, & Co., Inc., New York, N. Y. Clothing. Serial No. 360,308; June 11. Class 39.

Gabriel, Saml., Sons & Company, New York, N. Y. Toys for a construction game. Serial No. 363,043; June 11. Class 22.

Galax Knitting Company, Incorporated, Galax, Va. Ladies' hosiery. Serial No. 363,654; June 11. Class 39.

Gilmore, W. J., Drug Co., Pittsburgh, Pa. Nerve tonic. Serial No. 362,678; June 11. Class 6.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gilroy, William F., doing business as Der-Mo-Tepic Laboratories, Pittston, Pa. Preparation for the treatment of psoriasis, eczema, alopecia, etc. Serial No. 363,755; June 11. Class 6.

Gordon, Benjamin, doing business as Bengor Products Co., New York, N. Y. Razor blades. Serial Nos. 364,162–3; June 11. Class 23.

Griffier, M. S., Import Co., Inc., New York, N. Y. Brandy. Serial No. 359,851; June 11. Class 49.

Griffier, M. S., Import Co., Inc., New York, N. Y. Gin. Serial No. 364,134; June 11. Class 49.

Haley M-O Company, Inc, Geneva, N. Y. Pharmaceutical preparations containing milk of magnesia and mineral oil. Serial No. 362,226; June 11. Class 6.

Hanchett Paper Co., Chicago, Ill. Wrapping paper. Serial No. 364,136; June 11. Class 37.

Hanna & Smith, Inc., Baltimore, Md. Canned fruits and vegetables. Serial No. 361,840; June 11. Class 46.

High Life Distributing Co., San Francisco, Calif. Rakl. Serial No. 364,338; June 11. Class 49.

Horn, Irving B., doing business as Horn Company, Baltimore, Md. Whiskey, gin, brandy, etc. Serial Nos. 363,857–8; June 11. Class 49.

House of Gurney, Inc., The, Yankton, S. Dak. Gasoline. Serial No. 363,920; June 11. Class 15.

Huttig Sash & Door Company, St. Louis, Mo. Millwork such as sash and doors. Serial No. 362,575; June 11. Class 12.

Ingraham, E., Company, The, Bristol, Conn. Watches. Serial No. 364,340; June 11. Class 27.

Ingraham, E., Company, The, Bristol, Conn. Clocks and watches. Serial No. 364,341; June 11. Class 27.

International Silver Company, Meriden, Conn. Silverplated or sterling silver flatware and hollow ware. Serial No. 364,470; June 11. Class 28.

Johns-Manville Corporation, New York, N. Y. Prepared roofing shingles. Serial No. 334,105; June 11. Class 12.

Joss Equipment and Service Corporation, New York, N. Y. Apparatus comprising tank, hose, etc. Serial No. 362,688; June 11. Class 23.

Kay, Horace, New York, N. Y. Tomato marmalade, tomato preserves, tomato jelly, etc. Serial No. 362,857; June 11. Class 46.

Kelly, Henry, & Sons, Inc., New York, N. Y. Whiskey. Serial No. 364,294; June 11. Class 49.

Klenzler Distilling Corporation, New York, N. Y. Gin. Serial Nos. 364,295–6; June 11. Class 49.

Kleinert, I. B., Rubber Company, New York, N. Y. Lap pads, crib sheets, and sheeting. Serial No. 362,473; June 11. Class 42.

Knott, Wm. T., Company, Inc., New York, N. Y. Gas stoves and ranges. Serial No. 363,869; June 11. Class 34.

Kraus, Otto E., doing business as Pal Blade Co., Chicago, Ill. Razor blades. Serial No. 362,965; June 11. Class 23.

Kunze & Beyersdorf, Milwaukee, Wis. Preparation used as a vasodilator and sedative. Serial No 359,233; June 11. Class 6.

L. B. Laboratories, Inc., Los Angeles, Calif. Liniment rub. Serial No. 363,663; June 11. Class 6.

Levy, Moe, & Son, Inc., New York, N. Y. Men's suits and overcoats. Serial No. 363,332; June 11. Class 39.

Lichtman, J., & Sons, Newark, N. J. Leather. Serial No. 363,254; June 11. Class 1.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial Nos. 364,424–8; June 11. Class 49.

Lynch, L. Amber, Wilmette, Ill. Chewing gum. Serial No. 364,298; June 11. Class 46.

Mackay, A. & R., Limited, Glasgow, Scotland. Whisky. Serial No. 364,064; June 11. Class 49.

Majestic Distilling Company, Inc., Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 363,874; June 11. Class 49.

Majestic Distilling Company, Inc., Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 364,430; June 11. Class 49.

Many, Blanc & Co., Inc., Chicago, Ill. Rum, whiskey, gin, etc. Serial No. 364,065; June 11. Class 49.

Marathon Oil Company, Tulsa, Okla. Lubricating motor oils. Serial No. 359,276; June 11. Class 15.

Masteroff, Louis P., Philadelphia, Pa. Yarns. Serial No. 363,288; June 11. Class 43.

Mauk, C. A. Lumber Company, The, Toledo, Ohio. Shingles. Serial No. 363,369; June 11. Class 12.

McLaughlin-Owen Company, Chicago, Ill. Shampoo, wave set, hair tonic, etc. Serial No. 362,920; June 11 Class 6.

Micallef, A., & Company, Providence, R. I. Jewelry. Serial No. 364,144; June 11. Class 28.

Miller-Bryant-Pierce Company, The, Aurora, Ill. Typewriter ribbons. Serial No. 364,145; June 11. Class 11.

Mitchell & Dillon Coal Co., Chicago, Ill. Coal. Serial No. 364,347; June 11. Class 1.

Mohawk Herb Tea Company, Omaha, Nebr. Herb tea. Serial No. 363,633; June 11. Class 6.

Monarch Wine Company, Inc. (See Applebaum, Rebecca, assignor.)

Morgan, John C., Co., Inc., Traverse City, Mich. Vinegar. Serial No. 363,561; June 11. Class 46.

Morris & Company, Incorporated, Baltimore, Md. Dresses. Serial No. 362,972; June 11. Class 39.

Morris & Dubois, Inc., Freehold, N. J. Liquid coffee concentrate. Serial No. 363,761; June 11. Class 46.

Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes. Serial No. 363,815; June 11. Class 17.

Moto-Sway Corporation of America, Chicago, Ill. Vehicle rocking machines. Serial No. 362,122; June 11. Class 25.

Mount Tivy Winery, Inc., Fresno, Calif. Brandy. Serial No. 363,515; June 11. Class 49.

Muzzo, E., Company, Incorporated, Tampa, Fla. Whiskey, rum, gin, etc. Serial No. 363,596; June 11. Class 49.

Nanta Company. (See Breyer, Joseph.)

National Blenders, Trenton, N. J. Whiskey, gin, rum, etc. Serial No. 348,776; June 11. Class 49.

National Foundry & Furnace Company, The, Dayton, Ohio. Alloy iron. Serial No. 363,938; June 11. Class 14.

National Wholesale Liquor Co., Inc., Baltimore, Md. Gin. Serial No. 364,116; June 11. Class 49.

National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey. Serial Nos. 364,117–18; June 11. Class 49.

National Wholesale Liquor Co., Inc., Baltimore, Md. Gin. Serial No. 364,120; June 11. Class 49.

Nevn-Clog Products, Inc., Bridgeport, Conn. Stapling machines, staples for use therein, and parts and attachments thereof. Serial Nos. 361,436–7; June 11. Class 37.

Novlo Company, The. (See Davis, Howard W.)

Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. Serial No. 363,599; June 11. Class 49.

Nutritional Research, Incorporated, Los Angeles, Calif. Vitamin and mineral food concentrate for use as a dietary supplement. Serial No. 364,301; June 11. Class 46.

Oldetyme Distillers, Inc., New York, N. Y. Gin. Serial Nos. 364,242–3; June 11. Class 49.

Olney & Carpenter, Inc., Wolcott, N. Y. Canned fruits and vegetables, frozen fresh fruits and vegetables, apple sauce, and tomato juice. Serial No. 362,148; June 11. Class 46.

Pacific Clay Products, Los Angeles, Calif. Earthenware. Serial No. 361,901; June 11. Class 30.

Pal Blade Co. (See Kraus, Otto E.)

Parke, Davis & Company, Detroit, Mich. Skin lotion. Serial No. 363,516; June 11. Class 6.

Parker Rust Proof Company, Detroit, Mich. Chemical rust preventing compound. Serial No. 363,404; June 11. Class 6.

Patent Engineering Co., Chicago, Ill. Card and board game. Serial No. 364,438; June 11. Class 22.

Pelton, William W., doing business as Atlantic Blending Co., Quincy, Mass. Lubricating oil. Serial No. 364,482; June 11. Class 15.

Penn-Maryland Corporation, New York, N. Y. Whiskey. Serial No. 364,215; June 11. Class 49.

Phillips, Edward W., Flint, Mich. Fan and radiator heating units. Serial No. 363,338; June 11. Class 34.

Phone Appliance Corporation, New York, N. Y. Sanitary mouth piece for telephones. Serial No. 356,883; June 11. Class 21.

Picker-Linz Importers, Inc., New York, N. Y. Whiskey. Serial No. 363,944; June 11. Class 49.

Picker-Linz Importers, Inc., New York, N. Y. Gin and whiskey. Serial No. 363,945; June 11. Class 49.

Planters Nut & Chocolate Company, Suffolk, Va. Peanut candy bar. Serial No. 363,495; June 11. Class 46.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial No. 364,440; June 11. Class 49.

Prince Macaroni Mfg. Co., Boston, Mass. Alimentary pastes. Serial No. 363,014; June 11. Class 46.

Puerto Rico Distilling Company, Arecibo, P. R. Rum. Serial No. 363,059; June 11. Class 49.

Puerto Rico Distilling Company, Arecibo, P. R. Rum. Serial No. 363,062; June 11. Class 49.

Purol, Inc., Trenton, N. J. Lubricating oils and greases. Serial No. 364,447; June 11. Class 15.

Ramshead Distilling Co., Chicago, Ill. Whiskey. Serial No. 364,072; June 11. Class 49.

Red Cross Pharmacy, Inc., Cleveland, Ohio. Milk soap. Serial No. 362,922; June 11. Class 4.

Reed, Charles S., Los Angeles, Calif. Switch plates or covers. Serial No. 363,823; June 11. Class 21.

Reilly Tar & Chemical Corporation, Indianapolis, Ind. Bituminous material intended for crack fillers. Serial No. 364,194; June 11. Class 12.

Reliance Laboratories. (See Brunswig Drug Co.)

Reo Distillers, Inc., Newark, N. J. Whiskey. Serial No. 363,668; June 11. Class 49.

Reo Distillers, Inc., Newark, N. J. Whiskey. Serial Nos. 363,948–9; June 11. Class 49.

Riegel Paper Corporation, New York, N. Y. Wrapping paper. Serial No. 364,450; June 11. Class 37.

Robinson, Guy A., doing business as Trax Laboratories, Cedar Rapids, Iowa. Medicinal preparation for foot odors and epidermophytosis. Serial No. 363,523; June 11. Class 6.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Rockford Photo Service, Rockford, Ill. Snapshots. Serial No. 363,520; June 11. Class 38.

Saab, A. N., Co., Inc., New York, N. Y. Ladies' nightgowns. Serial No. 362,924; June 11. Class 39.

Sal-Rich Company. (See Boles, J. Ross.)

Santa Cruz Distillers, Christiansted, St. Croix, Virgin Islands. Straight rum. Serial No. 363,894; June 11. Class 49.

Sazerac Company, Incorporated, New Orleans, La. Wine. Serial No. 364,306; June 11. Class 47.

Shell Oil Company, San Francisco, Calif. Lubricating oil. Serial No. 363,986; June 11. Class 15.

Sheliborn & Hill, Inc., Elsmere, Del. Gasoline and lubricating oils. Serial No. 363,900; June 11. Class 15.

Shenandoah Valley Distilling Company, Inc., Timberville, Va. Whiskey, gin, brandy, etc. Serial No. 364,453; June 11. Class 49.

Shenk, Rufus M., Takoma Park, Md. Rocks or stones for rock gardens. Serial No. 363,721; June 11. Class 1.

Simon, J., & Sons, Inc., St. Louis, Mo. Whiskey. Serial No. 359,485; June 11. Class 49.

Siroll Laboratories, Inc., Detroit, Mich. Preparation for the treatment of psoriasis and similar skin affections. Serial No. 363,768; June 11. Class 6.

Sleeper Products, Inc., Chicago, Ill. Mattresses. Serial No. 364,360; June 11. Class 32.

Southern Breweries, Inc., Norfolk, Va. Beer, ale, and porter. Serial No. 364,556; June 11. Class 48.

Spellman, E. L., Co., Inc., New York, N. Y. Wine. Serial No. 360,495; June 11. Class 47.

Steinmeyer, Wm., Co., Milwaukee, Wis. Whiskey. Serial No. 364,309; June 11. Class 49.

Three G Distillery Corp., Burbank, Calif. Whiskey. Serial No. 364,208; June 11. Class 49.

Three G Distillery Corp., Burbank, Calif. Whiskey. Serial Nos. 364,495–6; June 11. Class 49.

Thrifty Drug Co., Ltd., Los Angeles, Calif. Brandy. Serial No. 360,251; June 11. Class 49.

Thrifty Drug Co., Ltd., Los Angeles, Calif. Alcoholic cordials. Serial No. 364,077; June 11. Class 49.

Trax Laboratories. (See Robinson, Guy A.)

Union Distillers Products Company, Baltimore, Md. Whiskey. Serial No. 363,904; June 11. Class 49.

United Spirit & Wine Import Corp., New York, N. Y. Wines. Serial No. 363,074; June 11. Class 47.

United Spirit & Wine Import Corporation, New York, N. Y. Whiskey. Serial No. 364,079; June 11. Class 49.

U. S. Line Co. (See United States Whip Co.)

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. Serial No. 364,401; June 11. Class 22.

United States Whip Co., doing business as U. S. Line Co., Westfield, Mass. Fishing line. Serial No. 364,260; June 11. Class 22.

Vantine, A. A., Products Corporation, New York, N. Y. Toilet preparations and cosmetics. Serial No. 363,679; June 11. Class 6.

Watson, Marvin A., San Francisco, Calif. Fresh deciduous, fresh citrus, and dried fruits, and fresh vegetables. Serial No. 363,248; June 11. Class 46.

Western Auto Supply Company, Kansas City, Mo. Oil filter renewal cartridges. Serial No. 364,365; June 11. Class 23.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Gin, whiskey, rum, etc. Serial No. 364,459; June 11. Class 49.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Wines. Serial No. 364,460; June 11. Class 47.

Wexmar Liquor Co., Inc., Chicago, Ill. Sloe gin, brandy, kummel, etc. Serial No. 362,334; June 11. Class 49.

Wight, Frank L., Distilling Co., The, Loreley and Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 363,609; June 11. Class 49.

Winthrop Chemical Company, Inc., New York, N. Y. Antileukorrheic antirichomonadic. Serial No. 363,568; June 11. Class 6.

World Importers Inc., Seattle, Wash. Whiskey. Serial Nos. 363,610–11; June 11. Class 49.

Wyoming Valley Collieries Co., Scranton, Pa. Coal. Serial No. 363,839; June 11. Class 1.

Yardley of London, Inc., Union City, N. J. Saponaceous compounds for cleaning the hands, shaving sticks, soap flakes, etc. Serial No. 362,281; June 11. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Acadian Certified Products. (See Bulliard, Edmond.)

Affiliated Clothiers, Inc., New York, N. Y. Periodicals. 325,078; June 11; Serial No. 361,493; published Apr. 2, 1935. Class 38.

American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y. Brake-shoes. 106,193; renewed Oct. 19, 1935.

American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y. Brake-shoes. 106,280; renewed Oct. 19, 1935.

American Furnace Company, St. Louis, Mo. Coal, oil, and gas burning, heating, ventilating, and air conditioning units. 325,124; June 11; Serial No. 360,158; published Apr. 2, 1935. Class 34.

American Furnace Company, St. Louis, Mo. Coal, oil, and gas burning, heating, ventilating, and air conditioning units. 325,184; June 11; Serial No. 360,157; published Apr. 2, 1935. Class 34.

American Murex Corporation, New York, N. Y. Welding electrodes. 325,116; June 11; Serial No. 361,043; published Apr. 2, 1935. Class 14.

American Tobacco Company, The, New York, N. Y. Cigarettes. 325,104; June 11; Serial No. 361,157; published Apr. 2, 1935. Class 17.

Am-O-Lox Company, The, New York, N. Y. Ladies' knitted skin and scalp diseases. 103,934; renewed Apr. 20, 1935.

Apfel, M., & Bro., Inc., New York, N. Y. Ladies' hats. 325,094; June 11; Serial No. 360,746; published Apr. 2, 1935. Class 39.

Apollo Knitting Mills, New York, N. Y. Ladies' knitted dresses. 325,136; June 11; Serial No. 360,519; published Apr. 2, 1935. Class 39.

Appleby, William H., doing business as Nearby Poultry Farms, Philadelphia, Pa. Dressed poultry and eggs. 325,207; June 11. Class 46.

Arlington Chemical Co., The, assignor to The Arlington Chemical Company, Yonkers, N. Y. Medicinal foods for invalids, etc. 103,774; renewed Apr. 13, 1935.

Auto-Lec Stores, Inc., New Orleans, La. Timing mechanisms for internal combustion engines and storage batteries. 325,069; June 11; serial No. 361,716; published Apr. 2, 1935. Class 21.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. 325,110 113; June 11; Serial Nos. 361,071–4; published Apr. 2, 1935. Class 29.

Ball, Thomas H., doing business as Fleecy Dale Yarn Company, Philadelphia, Pa. Yarn. 325,187; June 11; Serial No. 359,737; published Mar. 26, 1935. Class 43.

Barnes, Fay, doing business as Barnes Printing Company, San Angelo, Tex. Theatre tickets. 325,092; June 11; Serial No. 360,819; published Apr. 2, 1935. Class 38.

Bauer, M., Vienna, Austria. Wines. 325,170; June 11; Serial No. 353,976; published Apr. 2, 1935. Class 47.

Beach, James C., assignor, by mesne assignments, to The Viburno Company, Incorporated, New York, N. Y. Viburnum compound. 106,263; renewed Oct. 19, 1935.

Belmont Brewing Co., Martins Ferry, Ohio. Ale. 325,061; June 11; Serial No. 357,116; published Nov. 20, 1934. Class 48.

Bendix Products Corporation, South Bend, Ind. Ventilating fans. 325,146; June 11; Serial No. 355,345; published Apr. 2, 1935. Class 34.

Berry Brothers, Detroit, Mich. Pollshes. 106,141; renewed Oct. 12, 1935.

Birdseye Electric Company, Gloucester, Mass. Electric incandescent lamps and radio vacuum tubes. 325,058; June 11; Serial No. 360,874; published Apr. 2, 1935. Class 21.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 325,151; June 11; Serial No. 356,574; published Apr. 2, 1935. Class 23.

Bissell Leather Company, Boston, Mass. Leather used in the manufacture of clothing. 325,103; June 11; Serial No. 361,160; published Apr. 2, 1935. Class 1.

Bizzell, Levi H., Fayetteville, N. C. Linament, eye lotion, hog cholera medicine, etc. 325,125; June 11; Serial No. 360,205; published Apr. 2, 1935. Class 6.

Blum, Philip, & Co., Inc., Chicago, Ill. Whiskey. 325,160; June 11; Serial No. 348,743; published Apr. 24, 1934. Class 49.

Boguszewski, M., Harrison, N. J. Herb tea. 325,201; June 11; Serial No. 358,468; published Apr. 2, 1935. Class 6.

Booth's Distilleries Limited, London, England. Whisky. 325,145; June 11; Serial No. 355,290; published Oct. 23, 1934. Class 49.

Bowater, W. V., & Sons Ltd., to W. V. Bowater & Sons Ltd., London, England, successor. Waste printed papers for remanufacture. 104,298; renewed May 18, 1935.

Bulliard, Edmond, doing business as Acadian Certified Products, St. Martinville, La. Hot sauce, pepper pod sauce, mustard, etc. 325,181; June 11; Serial No. 357,851; published Apr. 2, 1935. Class 46.

Butler Brothers, Chicago, Ill. Shoes for women. 325,118; June 11; Serial No. 360,128; published Apr. 2, 1935. Class 39.

C. V. S. Manufacturing Co., Flint, Mich. Spark plugs. 325,212; June 11. Class 21.

Camillus Cutlery Company, New York, N. Y. Knives. 325,126; June 11; Serial No. 360,211; published Apr. 2, 1935. Class 23.

Carew Manufacturing Company, South Hadley Falls, Mass. Ledger paper. 325,170; June 11; Serial No. 352,130; published Apr. 2, 1935. Class 37.

Carroll, Robert R., & Co., Inc., New York, N. Y. Scotch whiskey. 325,158; June 11; Serial No. 348,115; published May 22, 1934. Class 49.

Carson Pirie Scott & Co., Chicago, Ill. Hosiery. 325,135; June 11; Serial No. 360,457; published Mar. 26, 1935. Class 39.

Carter Dry Goods Company, Inc., Louisville, Ky. Table oilcloth. 325,065; June 11; Serial No. 361,836; published Apr. 2, 1935. Class 20.

Carty, Elsie, Pine Bluff, Ark. Cake mix. 325,119; June 11; Serial No. 360,090; published Apr. 2, 1935. Class 46.

Cascade Hair Restorative Company. (See Peters, John J.)

Casteel Research Laboratories, Inc., New York, N. Y. Cameras and projecting machines, continuous reels, etc. 325,168; June 11; Serial No. 354,616; published Apr. 2, 1935. Class 26.

Cavendish Trading Corporation, New York, N. Y. Ladies' hosiery. 325,044; June 11; Serial No. 361,413; published Mar. 26, 1935. Class 39.

Central Tube Company, Pittsburgh, Pa. Electric-conduit pipe. 106,297; renewed Oct. 19, 1935.

Cerruti, E., Inc., New York, N. Y. Wines. 325,117; June 11; Serial No. 361,037; published Apr. 2, 1935. Class 47.

Chatham Manufacturing Company, Winston-Salem, N. C. Clothing. 325,154; June 11; Serial No. 343,821; published July 10, 1934. Class 39.

Cherry-Burrell Corporation, Wilmington, Del.; Chicago, Ill., and Little Falls, N. Y. Temperature controls for liquid pasteurizers. 325,123; June 11; Serial No. 359,884; published Apr. 2, 1935. Class 26.

Chivas Brothers, Aberdeen, Scotland. Whisky. 325,152; June 11; Serial No. 342,839; published Jan. 2, 1934. Class 49.

Chrysler Corporation, Highland Park, Mich. Air conditioning units. 325,089; June 11; Serial No. 360,840; published Apr. 2, 1935. Class 34.

Church & Dwight Co., assignor to Church & Dwight Co. Inc., New York, N. Y. Saleratus, bicarbonate of soda, and salsoda. 106,214–16; renewed Oct. 19, 1935.

Cocktail Hour Cigarettes, Inc., Indianapolis, Ind. Cigarettes. 325,182; June 11; Serial No. 357,806; published Apr. 2, 1935. Class 17.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Frocks and dresses. 325,075; June 11; Serial No. 361,510; published Mar. 26, 1935. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Dresses, aprons, frocks, and pajamas. 325,076; June 11; Serial No. 361,509; published Mar. 26, 1935. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Ladies', misses', and children's pajamas. 325,077; June 11; Serial No. 361,506; published Mar. 26, 1935. Class 39.

Colony Sales Corporation, New York, N. Y. Textile fabrics. 325,165; June 11; Serial No. 355,056; published Apr. 2, 1935. Class 42.

Colorado Milling & Elevator Company, The. (See Hays City Milling and Elevator Company, The, assignor.)

Confectioners Journal Publishing Company, Philadelphia, Pa. Trade publication. 325,074; June 11; Serial No. 361,511; published Apr. 2, 1935. Class 38.

Continental Can Company, Inc., New York, N. Y. Metal cans. 325,137–8; June 11; Serial Nos. 360,526–7; published Apr. 2, 1935. Class 2.

Continental Ceramics Corporation, New York, N. Y. Dishes, plates, cups, etc. 325,049; June 11; Serial No. 361,454; published Apr. 2, 1935. Class 30.

Continental Distilling Corporation, Philadelphia, Pa. Rum. 325,204; June 11. Class 49.

Corwin, David S., Greenport, Long Island, N. Y. Hollow cement block. 325,088; June 11; Serial No. 360,927; published Mar. 26, 1935. Class 12.

Crystal Packing Co. (See Johnston, D. W.)

Curtis & Co. M'f'g Co., Wellston, Mo., by change of name to Curtis Manufacturing Company. Cutlery, tools, and machinery. 105,389; renewed July 20, 1935.

Custom-Bilt Co., The. (See Woodard, Roy S.)

Davis & Lawrence Company, to Davis & Lawrence Co., New York, N. Y. Remedy for female ailments. 106,221; renewed Oct. 19, 1935.

Dehls & Stein, Newark, N. J. Compound for chill-proofing beer. 325,107; June 11; Serial No. 361,139; published Apr. 2, 1935. Class 48.

Delta Electric Company, Marion, Ind. Electric hand lanterns, bicycle lamps, vehicle lamps, etc. 325,200; June 11; Serial No. 358,517; published Apr. 2, 1935. Class 21.

Detroit Insulated Wire Company, Detroit, Mich., assignor to General Cable Corporation, New York, N. Y. Insulated electric wires. 105,254–5; renewed July 13, 1935.

Dexter, C. H., & Sons, Incorporated, Windsor Locks, Conn. Paper. 104,712; renewed June 15, 1935.

Diamond Products Mfg. Co. (See Markatos, Spiros C.)

Dickens, Louis, doing business as U. C. L. O. Co., New York, N. Y. Salve and ointment for poison ivy poisoning. 325,174; June 11; Serial No. 352,783; published Sept. 25, 1934. Class 6.

Duro-Test Corporation, New York, N. Y. Electric incandescent lamps. 325,128; June 11; Serial No. 360,268; published Apr. 2, 1935. Class 21.

Embalmers' Supply Company, The, Westport, Conn. Preparations for undertakers' use. 106,303; renewed Oct. 19, 1935.

Emerol Manufacturing Co., Inc., New York, N. Y. Chassis lubricating oil. 325,084; June 11; Serial No. 340,086; published Mar. 26, 1935. Class 15.

End Poverty League, Inc., Los Angeles, Calif. Newspaper. 325,070; June 11; Serial No. 361,571; published Apr. 2, 1935. Class 38.

Entroth Shoe Company, The, Boston, Mass. Ladies' shoes. 325,169; June 11; Serial No. 354,247; published Oct. 2, 1934. Class 30.

Excelsior Shoe Company, The, Portsmouth, Ohio. Shoes. 325,171; June 11; Serial No. 353,884; published Sept. 25, 1934. Class 39.

Finch, Jos. S., & Company, New York, N. Y. Whiskey and other potable distilled spirits. 325,153; June 11; Serial No. 343,502; published Dec. 26, 1933. Class 49.

Fleecy Dale Yarn Company. (See Ball, Thomas H.)

Florida Citrus Exchange, Tampa, Fla. Citrus fruits. 106,590; renewed Oct. 26, 1935.

Ford Hopkins Co., doing business as North American Pharmacal Co., Chicago, Ill. Mouth wash. 325,085; June 11; Serial No. 337,255; published July 10, 1934. Class 6.

Forest City Manufacturing Company, St. Louis, Mo. Dresses and frocks. 325,055; June 11; Serial No. 361,263; published Mar. 26, 1935. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 325,133; June 11; Serial No. 360,437; published Mar. 26, 1935. Class 42.

Fort Schuyler Knitting Company, Utica, N. Y. Women's and girls' knitted blouses, polo and basque shirts, etc. 325,120; June 11; Serial No. 359,989; published Apr. 2, 1935. Class 39.

Frances Emblems Inc., New York, N. Y. Emblems. 325,194; June 11; Serial No. 359,126; published Apr. 2, 1935. Class 40.

Franco American Drug Co. (See Herman, Milton.)

Frankfort Distillery, Inc., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 325,082–3; June 11; Serial Nos. 340,346–7; published Sept. 12, 1933. Class 49.

Garrett and Company Incorporated, Brooklyn, N. Y. Wines. 325,175; June 11; Serial No. 352,436; published Apr. 2, 1935. Class 47.

General Cable Corporation. (See Detroit Insulated Wire Company, assignor.)

General Dental Goods Co., doing business as General Dental Goods, Inc., Worcester, Mass. Non-abrasive denture cleanser. 325,102; June 11; Serial No. 361,168; published Apr. 2, 1935. Class 4.

Genesee Brewing Co., Inc., The, Rochester, N. Y. Ale. 325,087; June 11; Serial No. 361,238; published Apr. 2, 1935. Class 48.

Gladding, McBean & Co., Los Angeles, Calif. Tile. 325,050; June 11; Serial No. 361,464; published Apr. 2, 1935. Class 12.

Globe Oil Tools Co., Los Nietos, Calif. Well drilling equipment. 325,183; June 11; Serial No. 357,629; published Apr. 2, 1935. Class 23.

Gloria Manufacturing Co., The. (See Orzo, Alfonso.)

Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Periodical leaflets, pamphlets, or bulletins. 325,106; June 11; Serial No. 361,143; published Apr. 2, 1935. Class 38.

Gordon-O'Neill Co. Inc., New York, N. Y. Alcoholic punch. 325,206; June 11. Class 49.

Gorton, Thomas S., Jr., doing business as Slade Gorton Co., Chicago, Ill. Skinless cod and haddock fillets. 325,068; June 11; Serial No. 361,738; published Apr. 2, 1935. Class 46.

Goshen Manufacturing Company, The, Goshen, Ind. Lawn or porch swing. 325,097; June 11; Serial No. 360,714; published Apr. 2, 1935. Class 32.

Gossard, H. W., Co., The, Chicago, Ill. Combination corset and brassière. 325,093; June 11; Serial No. 360,771; published Apr. 2, 1935. Class 39.

Guard Mfg. Co. (See Maish, Morton C.)

Hawley Products Company, St. Charles, Ill. Hats. 325,192–3; June 11; Serial Nos. 359,129–30; published Apr. 2, 1935. Class 39.

Hays City Milling and Elevator Company, The, Hays, Kans. assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 100,602; renewed Oct. 26, 1935.

Herman, Milton, doing business as Franco American Drug Co., Mount Vernon, N. Y. Gastro intestinal preparation. 325,140; June 11; Serial No. 360,590; published Apr. 2, 1935. Class 6.

Hodgsdon, D. B., New York, N. Y. Coffee. 325,180; June 11; Serial No. 357,861; published Apr. 2, 1935. Class 46.

Holsum Bakery, The. (See Long, W. E., Co., The.)

Hook Manufacturing Company, Pittsburgh and Sharpsburg Station, Pittsburgh, Pa. Gas-fired boilers. 325,115; June 11; Serial No. 361,054; published Apr. 2, 1935. Class 34.

Independent Lubricating Company, Inc., The, Topeka, Kans. Lubricating oil. 325,202; June 11; Serial No. 358,368; published Mar. 26, 1935. Class 15.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Enameled-metal door-plates. 106,233; renewed Oct. 19, 1935.

International Harvester Company. (See Parlin & Orendorff Company, assignor.)

International Nickel Company, Inc., The, New York, N. Y. Bowls, basins, pans, etc. 325,157; June 11; Serial No. 347,446; published Apr. 2, 1935. Class 13.

International Silver Company, Meriden, Conn. Silver-plated flat-ware. 325,054; June 11; Serial No. 361,270; published Apr. 2, 1935. Class 28.

International Spark Plug Co. (See Price, William F.)

Johnston, D. W., doing business as Crystal Packing Co., Los Angeles, Calif. Fresh fruits, vegetables, melons, and grapes. 325,199; June 11; Serial No. 358,736; published Apr. 2, 1935. Class 46.

Kasko Distillers Products Corp., Philadelphia, Pa. Whiskey. 325,172; June 11; Serial No. 353,276; published Aug. 14, 1934. Class 49.

Keuffel and Esser Company, Hoboken, N. J. Drawing ink. 325,057; June 11; Serial No. 361,207; published Apr. 2, 1935. Class 11.

Kinney, G. R., Co., Inc., New York, N. Y. Shoes and hosiery. 325,162–3; June 11; Serial Nos. 358,254–5; published Apr. 2, 1935. Class 39.

Kipp, Charles W. (See Lippincott & Co., assignor.)

Koester, E. H., Baking Company, The, Baltimore, Md. Bread. 325,141; June 11; Serial No. 360,595; published Apr. 2, 1935. Class 46.

Krueger, G., Brewing Company, Newark, N. J. Ale. 325,053; June 11; Serial No. 361,318; published Apr. 2, 1935. Class 48.

La Fábrica de Cerveza de San Miguel-San Miguel Brewery, Manila, P. I. Malt beverages. 325,156; June 11; Serial No. 346,580; published Apr. 2, 1935. Class 48.

Lee Rubber & Tire Corporation, Conshohocken, Pa. Inner tubes. 325,177; June 11; Serial No. 352,086; published Apr. 2, 1935. Class 35.

Liebmann Breweries, Inc., Brooklyn, N. Y. Beer. 325,064; June 11; Serial No. 361,846; published Apr. 2, 1935. Class 48.

Lily Mills Company, Shelby, N. C. Crochet and knitting yarn. 325,134; June 11; Serial No. 360,440; published Mar. 26, 1935. Class 43.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 325,167; June 11; Serial No. 354,626; published Sept. 4, 1934. Class 49.

Lippincott & Co., Philadelphia, and Altoona, Pa., assignor to Charles W. Kipp, Riverton, N. J. Tea, coffee, spices, etc. 105,984; renewed Sept. 7, 1935.

Long, W. E., Co., The, doing business as The Holsum Bakery, Chicago, Ill. Bread. 325,045; June 11; Serial No. 361,427; published Apr. 2, 1935. Class 46.

Lorber Mercantile Company, Kansas City, Mo. Whiskey. 325,208; June 11. Class 49.

Louisiana Disinfectant Company. (See Wingate, Sadie C.)

Lustberg, Nast & Co. Inc., New York, N. Y. Men's and boys' jackets, work shirts, sport shirts, etc. 325,130; June 11; Serial No. 360,318; published Apr. 2, 1935. Class 39.

Lyons, I. L., & Co., Ltd., New Orleans, La. Sour mash bourbon whiskey. 325,214; June 11. Class 49.

Maid Well Mfg. Co., Seattle, Wash. Clothing. 325,185; June 11; Serial No. 359,805; published Mar. 26, 1935. Class 39.

Maish, Morton C., doing business as Guard Mfg. Co., Cincinnati, Ohio. Thumb guards. 325,091; June 11; Serial No. 360,828; published Apr. 2, 1935. Class 44.

Maria Brassiere Company, The, Dallas, Tex. Brassières. 325,186; June 11; Serial No. 359,763; published Apr. 2, 1935. Class 39.

Markatos, Spiros C., doing business as Diamond Products Mfg. Co., New York, N. Y. Shoe cleaner, polish, and dressing. 325,073; June 11; Serial No. 361,529; published Apr. 2, 1935. Class 4.

Marquette Petroleum Products, Inc., Chicago, Ill. Lubrication oils and greases. 325,198; June 11; Serial No. 358,739; published Mar. 26, 1935. Class 15.

Maryland Wine & Spirits Corporation, Baltimore, Md. Whiskey. 325,178; June 11; Serial No. 351,269; published June 19, 1934. Class 49.

Mayflower Dress Company, Inc. (See Textile Products Company, assignor.)

McAuley, J. E., Mfg. Co., Chicago, Ill. High intensity electric arc lamps. 325,046; June 11; Serial No. 361,429; published Apr. 2, 1935. Class 21.

McGonegal, Err S., doing business as The McGonegal Manufacturing Company, East Rutherford, N. J. Grinding machines for metal working. 325,131; June 11; Serial No. 360,367; published Apr. 2, 1935. Class 23.

Mennen, Gerhard, Chemical Co., Newark, N. J., by change of name to The Mennen Company. Absorbent and antiseptic dusting powder. 100,464; renewed Oct. 19, 1935.

Mighton, S. E., doing business as S. E. Mighton Co., Warrensville, Ohio. Prepared food for dogs, cats, puppies, etc. 325,210; June 11. Class 46.

Milanese, Samuel, doing business as Superior Wine Company, New York, N. Y. Wines. 325,179; June 11; Serial No. 346,701; published Mar. 20, 1934. Class 47.

Milford Canning Company Inc., The, Milford, Ill. Canned vegetables. 325,042; June 11; Serial No. 361,376; published Apr. 2, 1935. Class 46.

Morris Bros. Fruit Co., Los Angeles, Calif. Fresh citrus fruits. 325,063; June 11; Serial No. 361,898; published Apr. 2, 1935. Class 46.

Murulo Company, Inc., The, Staten Island, N. Y. Water paint in paste form. 325,213; June 11. Class 16.

National Essence For Coffee Company, Philadelphia, Pa. Essence for coffee. 106,470; renewed Oct. 19, 1935.

National Mineral Company, Chicago, Ill. Machines for permanently waving hair, and equipment. 325,209; June 11. Class 44.

National Mushroom Corporation, The, New York, N. Y. Mushrooms. 325,101; June 11; Serial No. 361,180; published Apr. 2, 1935. Class 46.

National Tube Company, Pittsburgh, Pa. Pipes and tubes. 106,118; renewed Oct. 12, 1935.

Nearby Poultry Farms. (See Appleby, William H.)

Neumann, R., & Company, Hoboken, N. J. Leather. 325,142; June 11; Serial No. 360,646; published Apr. 2, 1935. Class 1.

Nolde and Horst Company, Reading, Pa. Hosiery. 325,099; June 11; Serial No. 360,079; published Apr. 2, 1935. Class 39.

Norsee Company, The, Jersey City, N. J. Toothpaste. 325,188; June 11; Serial No. 359,518; published Apr. 2, 1935. Class 6.

North American Pharmacal Co. (See Ford Hopkins Co.)

Northrop, Maurice E., New Hamburg, N. Y. Brushes for use with electrical machines. 325,132; June 11; Serial No. 360,370; published Apr. 2, 1935. Class 21.

Nostane Products Corporation, doing business as Ye Olde Company, Brooklyn, N. Y. Shaving cream. 325,196; June 11; Serial No. 358,942; published Apr. 2, 1935. Class 4.

Nyal Company, Detroit, Mich. Alternative mixture, tonic, and laxative. 106,478; renewed Oct. 19, 1935.

Orchard Paper Co., St. Louis, Mo. Paper bags. 325,067; June 11; Serial No. 361,762; published Apr. 2, 1935. Class 2.

Orzo, Alfonso, doing business as The Gloria Manufacturing Co., New York, N. Y. Hair dye. 325,190; June 11; Serial No. 359,236; published Apr. 2, 1935. Class 6.

P. C. L. O. Co. (See Dickens, Louis.)

Padre Vineyard Company, Los Angeles, Calif. Wines. 325,147; June 11; Serial No. 355,851; published Apr. 2, 1935. Class 47.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 325,144; June 11; Serial No. 355,114; published Apr. 2, 1935. Class 6.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 325,164; June 11; Serial No. 355,113; published Apr. 2, 1935. Class 6.

Parlin & Orendorff Company, Canton, Ill., assignor to International Harvester Company, Chicago, Ill. Plows. 106,490; renewed Oct. 19, 1935.

Partridge, E. R., Incorporated, Atlanta, Ga. Overalls and work shirts. 325,139; June 11; Serial No. 360,547; published Apr. 2, 1935. Class 39.

Penn-Maryland, Inc., New York, N. Y. Whiskey. 325,161; June 11; Serial No. 348,927; published June 5, 1934. Class 49.

Permatex Company, Inc., Brooklyn, N. Y. Gasket shellac compound. 325,086; June 11; Serial No. 336,019; published Apr. 2, 1935. Class 5.

Peters, John J., doing business as Cascade Hair Restorative Company, Bakersfield, Calif. Hair restorer. 325,090; June 11; Serial No. 360,829; published Apr. 2, 1935. Class 6.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation. 325,071; June 11; Serial No. 361,555; published Apr. 2, 1935. Class 6.

Phillips, Alfred N., Jr., Darien, Conn. Column in newspapers and periodical publications. 325,051; June 11; Serial No. 361,325; published Apr. 2, 1935. Class 38.

Pointer Brewing Company, Clinton, Iowa. Beer and ale. 325,109; June 11; Serial No. 361,114; published Apr. 2, 1935. Class 48.

Price, William F., doing business as International Spark Plug Co., Merion, Pa. Spark plugs. 325,098; June 11; Serial No. 360,682; published Apr. 2, 1935. Class 21.

Protein Mineral Co. Inc., New York, N. Y. Concentrated milk whey. 325,189; June 11; Serial No. 359,419; published Apr. 2, 1935. Class 46.

Raynum Art Co. (See Tsukamoto, Keijuro.)

Redleaf Drug Company, Inc., New York, N. Y. Douche powder. 325,040; June 11; Serial No. 361,479; published Apr. 2, 1935. Class 6.

Reis, Robert, & Company, New York, N. Y. Men's underwear, union suits, sweaters, etc. 325,127; June 11; Serial No. 360,243; published Apr. 2, 1935. Class 39.

Reporter Publishing Company, Abilene, Tex. Newspaper. 325,080; June 11; Serial No. 361,480; published Apr. 2, 1935. Class 38.

Rodgers Distilleries Co., Chicago, Ill. Whiskies and gin. 325,173; June 11; Serial No. 353,148; published July 31, 1934. Class 49.

Roger & Gallet, New York, N. Y. Perfumes, toilet waters, face and toilet powders, etc. 325,096; June 11; Serial No. 360,730; published Apr. 2, 1935. Class 6.

Rogers Feet Company, New York, N. Y. Shoes. 106,366; renewed Oct. 19, 1935.

Rolls-Royce Limited, Derby, England. Automobiles and chassis. 325,195; June 11; Serial No. 359,008; published Apr. 2, 1935. Class 19.

Runkel Brothers, Inc., New York, N. Y. Chocolate. 325,105; June 11; Serial No. 361,149; published Apr. 2, 1935. Class 46.

Salinas Brewing & Ice Company, Salinas, Calif. Beer. 325,205; June 11. Class 48.

Scharf, Emily E., Lexington, Ky. Section or department of a magazine. 325,079; June 11; Serial No. 361,481; published Apr. 2, 1935. Class 38.

Schering Corporation, Bloomfield, N. J. Antiseptic. 325,047; June 11; Serial No. 361,442; published Apr. 2, 1935. Class 6.

Scranton Lace Company, The, Scranton, Pa. Curtains and draperies. 104,485; renewed June 1, 1935.

Sharples Specialty Company, The, Philadelphia, Pa. Centrifugal machinery and equipment incident thereto for the refining of oils. 325,048; June 11; Serial No. 361,443; published Apr. 2, 1935. Class 23.

Shoe Fashion Research, Inc., New York, N. Y. Display devices and models for shoes and the like. 325,129; June 11; Serial No. 360,292; published Apr. 2, 1935. Class 40.

Silgo Leathers, Inc., New York, N. Y. Leather skins. 325,197; June 11; Serial No. 358,862; published Apr. 2, 1935. Class 1.

Silver Rod Stores Supply Co., Inc., Brooklyn, N. Y. Ice-cream. 325,072; June 11; Serial No. 361,546; published Apr. 2, 1935. Class 46.

Soap Products, Ltd., Long Island City, N. Y. Preparation for the treatment of dandruff and falling hair. 325,114; June 11; Serial No. 361,065; published Apr. 2, 1935. Class 6.

Southern Brewing Company, Tampa, Fla. Beer. 325,066; June 11; Serial No. 361,779; published Apr. 2, 1935. Class 48.

Southern Independent Oil & Refining Co., Inc., Evansville, Ind. Motor lubricating oil. 325,121; June 11; Serial No. 359,929; published Mar. 26, 1935. Class 15.

Spica, Angelina, New York, N. Y. Alcoholic bitters, whiskey, gin, etc. 325,215; June 11. Class 49.

Stone-Dwyer, Inc., New Orleans, La. Shrimp. 325,062; June 11; Serial No. 357,070; published Apr. 2, 1935. Class 46.

Superior Wine Company. (See Milanese, Samuel.)

Tayton Company, Kansas City, Mo. Malted milk preparation. 325,108; June 11; Serial No. 361,128; published Apr. 2, 1935. Class 46.

Textile Products Company, Boston, Mass., assignor, by mesne assignments, to Mayflower Dress Company, Inc., New York, N. Y. Dresses. 104,110; renewed Apr. 27, 1935.

Thomson, S. H., Manufacturing Company, The, Dayton, Ohio. Electric spot lights for vehicles. 325,166; June 11; Serial No. 354,642; published Apr. 2, 1935. Class 21.

Tin Decorating Company of Baltimore, The, Baltimore, Md. Sheet metal boxes and cans. 325,060; June 11; Serial No. 361,291; published Apr. 2, 1935. Class 2.

Town House Corporation, The, Reno, Nev. Alcoholic cocktails. 325,203; June 11; Serial No. 358,344; published Feb. 12, 1935. Class 49.

Tropical Beverage Company, New Haven, Conn. Maltless beverages. 325,155; June 11; Serial No. 346,483; published Mar. 19, 1935. Class 45.

Tsukamoto, Keijuro, doing business as Raynum Art Co., Los Angeles, Calif. Noise making devices and toy guns. 325,122; June 11; Serial No. 359,900; published Apr. 2, 1935. Class 22.

Unifiex Parts Co., Akron, Ohio. Piston skirt adjuster. 325,095; June 11; Serial No. 360,740; published Apr. 2, 1935. Class 23.

United States Gypsum Company, Chicago, Ill. Spraying lime, agricultural gypsum, etc. 325,056; June 11; Serial No. 361,236; published Apr. 2, 1935. Class 10.

Van Cleef & Arpels, Paris, France. Empty vanity cases. 325,191; June 11; Serial No. 359,157; published Apr. 2, 1935. Class 2.

Venzey, Richard E., New Orleans, La. Foot ball table game. 325,052; June 11; Serial No. 361,341; published Apr. 2, 1935. Class 22.

Viburno Company, Incorporated, The. (See Beach, James C., M. D.)

Welding Service, Inc., San Francisco, Calif. Welding rods. 325,100; June 11; Serial No. 361,199; published Apr. 2, 1935. Class 14.

Wheatland Tube Company, Wheatland, Pa. Metal tubes and pipes. 325,041; June 11; Serial No. 361,375; published Apr. 2, 1935. Class 13.

White & Wyckoff Mfg. Company, Holyoke, Mass. Writing and printing paper and papeteries. 325,081; June 11; Serial No. 359,874; published Apr. 2, 1935. Class 37.

Wilson Rubber Company, The, Canton, Ohio. Rubber gloves. 325,143; June 11; Serial No. 360,655; published Apr. 2, 1935. Class 39.

Windt Bros., New York, N. Y. Preparations for medicinal treatment of the respiratory organs. 325,059; June 11; Serial No. 361,200; published Apr. 2, 1935. Class 6.

Wingate, Sadie C., doing business as Louisiana Disinfectant Company, Leesville, La. Insecticides. 325,043; June 11; Serial No. 361,406; published Apr. 2, 1935. Class 6.

Woodard, Roy S., doing business as The Custom-Bilt Co., Kansas City, Mo. Base metal cooking hollow ware. 325,211; June 11. Class 13.

Ye Olde Company. (See Nostane Products Corporation.)

Young's Market Company, Los Angeles, Calif. Whiskey. 325,159; June 11; Serial No. 348,213; published May 15, 1934. Class 49.

Yukon Mill and Grain Company, Yukon, Okla. Wheat flour. 325,148–50; June 11; Serial Nos. 356,020–2; published Apr. 2, 1935. Class 46.

LIST OF REGISTRANTS OF LABELS

Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts De Luxe Sour Cream. For Sour Cream. 45,764; June 11.

Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts De Luxe Cultured Buttermilk. For Buttermilk. 45,765; June 11.

Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts Milk Vitamin D Irradiated. For Milk. 45,766; June 11.

Allen Chemical Co. Inc., New York, N. Y. Relaxation—Bunion Pads. For Bunion Pads. 45,767; June 11.

Allen Chemical Co. Inc., New York, N. Y. Relaxation—Callus Pads. For Callus Pads. 45,768; June 11.

Allen Chemical Co. Inc., New York, N. Y. Relaxation—The Safe Corn and Callus Remover. For Preparation for Removing Corns and Callus. 45,769; June 11.

American Beverage Company, Inc., New Orleans, La. ABC. For Root Beer. 45,770; June 11.

Bruckmann, John C., Cincinnati, Ohio. Blue Grass Winner. For Beer. 45,771; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Water Hard Matched Tool Steel. For Matched Tool Steel. 45,772; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Water Tough Matched Tool Steel. For Matched Tool Steel. 45,773; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Water Wear Matched Tool Steel. For Matched Tool Steel. 45,774; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Red-Hard Matched Tool Steel. For Matched Tool Steel. 45,775; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Red-Tough Matched Tool Steel. For Matched Tool Steel. 45,776; June 11.

Carpenter Steel Company, The, Reading, Pa. Carpenter Red-Wear Matched Tool Steel. For Matched Tool Steel. 45,777; June 11.

Colombi, Hugo, doing business as Effervescente Co., New York, N. Y. Colombina Brand Effervescent Preparation. For an Effervescent Preparation Having Antacid Properties as an Aid to Digestion. 45,778; June 11.

Colt Shoes, Inc., Boston, Mass. Colt Excellence. For Shoes. 45,779; June 11.

Container Corporation of America, Chicago, Ill. Ice Cream. For Ice Cream. 45,780; June 11.

Dealers Supply Company, Cleveland, Ohio. Mor-A D-F. For Pads for Permanent Waving. 45,781; June 11.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Coil. For Coils. 45,782; June 11.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Arm. For Arms. 45,783; June 11.

Delco-Remy Corporation, Anderson, Ind. Delco Remy Service Parts, Distributor Cap. For Distributor Caps. 45,784; June 11.

Delco-Remy Corporation, Anderson, Ind. Delco Remy Service Parts, Rotor. For Rotors. 45,785; June 11.

Effervescente Co. (See Colombi, Hugo.)

Everix Baking Co., Chilton, Wis. Everix. For Bread. 45,786; June 11.

Fitzpatrick Bros. Inc., Chicago, Ill. Kitchen Klenzer For Cleaning and Scouring Compound in Finely Divided Form for Household Use. 45,787; June 11.

Fortune Laboratories, Inc., New York, N. Y. Hairlight Scalp Pomade. For Scalp Pomade. 45,788; June 11.

Foster & Cross, Inc., Brooklyn, N. Y. Real Facts About Ice Cream. For Ice Cream. 45,789; June 11.

General Pharmacal Company, The, Cincinnati, Ohio. Pep-Ti-Kno. For Antacid-Alkalizer. 45,790; June 11.

Goldie, Edward J., Importation Co., San Francisco, Calif. High Hat. For Distilled Dry Gin. 45,791; June 11.

Gosman Company, The, Baltimore, Md. Gosman's. For Root Beer. 45,792; June 11.

Heublein, G. F., & Bro., Hartford, Conn. Heublein. For Whiskey. 45,793; June 11.

Hoague-Sprague Corporation, Lynn, Mass. Hunny Girl. For Boxes. 45,794; June 11.

Hoague-Sprague Corporation, Lynn, Mass. Barbara Lee. For Boxes. 45,795; June 11.

Hoague-Sprague Corporation, Lynn, Mass. They See the Box First. For Boxes. 45,796; June 11.

Hoague-Sprague Corporation, Lynn, Mass. Originators of Smart Shoes. For Boxes. 45,797; June 11.

Hoague-Sprague Corporation, Lynn, Mass. The Good Value Shoe. For Boxes. 45,798; June 11.

Hoague-Sprague Corporation, Lynn, Mass. Long's. For Boxes. 45,799; June 11.

Hoague-Sprague Corporation, Lynn, Mass. Jack Stolper. For Boxes. 45,800; June 11.

Hoague Sprague Corporation, Lynn, Mass. Distinctive Footwear. For Boxes. 45,801; June 11.

Jacobus, John T., New Rochelle, N. Y. Carrot Bread. For Bread. 45,802; June 11.

Lane, Francis C., Merrill, Wis. Baby's Best Milk. Made Exclusively for Babies. Consult Your Physician for Formula. For Milk. 45,803; June 11.

Mohl Bros., Philadelphia, Pa. White Magic. For White Shoe Dressing. 45,804; June 11.

Ognjenovich, Adam, Detroit, Mich. Adam's Healthy-Herb Tonic. For a Medicinal Preparation. 45,805; June 11.

Piel Bros., Inc., Brooklyn, N. Y. Kapuziner. For Beer. 45,806; June 11.

Sacks-Sons Carton Co., Inc., Brooklyn, N. Y. Lambo Products Co. Knitwear. For Knitwear. 45,807; June 11.

Santelli, Francesco, Atlantic City, N. J. Unica Brand. For Neapolitan Spaghetti Sauce. 45,808; June 11.

Scheidt, Adam, Brewing Company, Norristown, Pa. Rams Head. For Ale. 45,809; June 11.

Schilling, A., & Company, San Francisco, Calif. Vanilla. For Vanilla Pure Extract. 45,810; June 11.

Schulze Baking Company, Kansas City, Mo. California Style. For Bread. 45,811; June 11.

Schuylkill Chemical Company, Philadelphia, Pa. Diro. For Peroxide. 45,812; June 11.

Shea, James J., New York, N. Y. O'Sheas Private Stock. For Blended Whiskey. 45,813; June 11.

Sleeper Products, Inc., Chicago, Ill. The Prospect. For Mattresses. 45,814; June 11.

Southern Style Foods, Inc., Nashville, Tenn. Drumright's Old Fashioned Southern Style Pork Barbecue. For a Pork Product. 45,815; June 11.

Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea Bags. 45,816; June 11.

Standard Brands Incorporated, New York, N. Y. Green Label. For Tea Bags. 45,817; June 11.

Standard Brewing Company, Inc., Rochester, N. Y. Standard Sparkling Ale. For Ale. 45,818; June 11.

Standard Brewing Company, Inc., Rochester, N. Y. Standard Ale. For Ale. 45,819–20; June 11.

Standard Brewing Company, Inc., Rochester, N. Y. Standard Sparkling Ale. For Ale. 45,821; June 11.

Stevenson, Francis B., San Francisco, Calif. Thos. H. Stevenson's Morning Gem Headache Powder. For Powder Used as a Treatment for Simple Headaches, Constipation, Biliousness, Sour Stomach Sweetener and Relief of Sea-Sickness. 45,822; June 11.

Van Camp Sea Food Co. Inc., Terminal Island, Calif. Mission. For Tuna. 45,823; June 11.

Vita-Lux Products, Inc., New York, N. Y. Luxamin Palatable Yeast Vitamin Extract. For Vitamin Yeast Extract. 45,824; June 11.

Walters, Harry, Kansas City, Mo. Fiesta Distilled Dry Gin. For Distilled Dry Gin. 45,825; June 11.

Wohl Shoe Company, St. Louis, Mo. Van Dé. For Hosiery. 45,826; June 11.

LIST OF REGISTRANTS OF PRINTS

Baldwin Laboratories, Inc., Spoggetown, Pa. Kill Rats and Mice with Rafedes Tid-Bits. For a Preparation for Killing Rats and Mice. 15,214; June 11.

General Mills, Inc., Minneapolis, Minn. While They Last Free! With 2 Packages of Wheaties New "Shirley Temple" Occasion Dish. For Cereal Food. 15,215; June 11.

Goodrich, B. F., Company, The, Akron, Ohio. I'd Rather Face a Thousand Spikes Than Another Blow-Out. (Ad. No. GHC–48). For Rubber Tires. 15,216; June 11.

Henshaw, Charles S., Boston, Mass. A Car That Fairly Flies. For Automobiles. 15,217; June 11.

Israel, Mayer, & Co., Inc., New Orleans, La. Ten-Pay Plan. For Men's, Women's, and Children's Wearing Apparel. 15,218; June 11.

Ohio Ferro-Alloys Corporation, Canton, Ohio. Philo Brand. For Silicon, Chromium, and Manganese Alloys. 15,219; June 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. R. Neumann & Company. 325,142; June 11; Serial No. 360,646; published Apr. 2, 1935.

Leather used in the manufacture of clothing. Bissell Leather Company. 325,103; June 11; Serial No. 361,160; published Apr. 2, 1935.

Skins, Leather. Silgo Leathers, Inc. 325,197; June 11; Serial No. 358,862; published Apr. 2, 1935.

Waste printed papers for remanufacture. W. Y. Bowater & Sons Ltd. 104,298; renewed May 18, 1935.

CLASS 2

Bags, Paper. Orchard Paper Co. 325,067; June 11; Serial No. 361,762; published Apr. 2, 1935.

Boxes and cans, Sheet metal. Tin Decorating Company of Baltimore. 325,060; June 11; Serial No. 361,291; published Apr. 2, 1935.

Cans, Metal. Continental Can Company. 325,137–8; June 11; Serial Nos. 360,527–8; published Apr. 2, 1935.

Cases, Empty vanity. Van Cleef & Arpels. 325,191; June 11; Serial No. 359,157; published Apr. 2, 1935.

CLASS 4

Cleaner, polish, and dressing, Shoe. S. C. Markatos. 325,073; June 11; Serial No. 361,529; published Apr. 2, 1935.

Cleanser, Non-abrasive denture. General Dental Goods Co. 325,102; June 11; Serial No. 361,168; published Apr. 2, 1935.

Shaving cream. Nostane Products Corporation. 325,196; June 11; Serial No. 358,942; published Apr. 2, 1935.

CLASS 5

Shellac compound, Gasket. Permatex Company. 325,086; June 11; Serial No. 336,019; published Apr. 2, 1935.

CLASS 6

Antiseptic. Schering Corporation. 325,047; June 11; Serial No. 361,442; published Apr. 2, 1935.

Astringents, astringent cerates, bleach and beauty creams, etc. Parfumerie St. Denis. 325,144; June 11; Serial No. 355,114; published Apr. 2, 1935.

Astringents; astringent cerates, bleach and beauty creams, etc. Parfumerie St. Denis. 325,164; June 11; Serial No. 355,113; published Apr. 2, 1935.

Dye, Hair. A. Orzo. 325,190; June 11; Serial No. 359,236; published Apr. 2, 1935.

Gastro intestinal preparation. M. Herman. 325,140; June 11; Serial No. 360,590; published Apr. 2, 1935.

Hair restorer. J. J. Peters. 325,090; June 11; Serial No. 360,829; published Apr. 2, 1935.

Herb tea. M. Boguszewski. 325,201; June 11; Serial No. 358,468; published Apr. 2, 1935.

Insecticides. S. C. Wingate. 325,043; June 11; Serial No. 361,406; published Apr. 2, 1935.

Liniment, eye lotion, hog cholera medicine, etc. L. H. Bizzell. 325,125; June 11; Serial No. 360,205; published Apr. 2, 1935.

Medicinal foods for invalids, etc. Arlington Chemical Co. 103,774; renewed Apr. 13, 1935.

Medicinal preparation. S. Pfeiffer Manufacturing Company. 325,071; June 11; Serial No. 361,555; published Apr. 2, 1935.

Mixture, tonic, and laxative, Alternative. Nyal Company. 106,478; renewed Oct. 19, 1935.

Mouth wash. Ford Hopkins Co. 325,085; June 11; Serial No. 337,255; published July 10, 1934.

Perfumes, toilet waters, face and toilet powders, etc. Roger & Gallet. 325,096; June 11; Serial No. 360,730; published Apr. 2, 1935.

Powder, Absorbent and antiseptic dusting. Gerhard Mennen Chemical Co. 106,464; renewed Oct. 19, 1935.

Powder, Douche. Redleaf Drug Company. 325,040; June 11; Serial No. 361,479; published Apr. 2, 1935.

Preparation for the treatment of dandruff and falling hair. Soap Products, Ltd. 325,114; June 11; Serial No. 361,065; published Apr. 2, 1935.

Preparations for medicinal treatment of the respiratory organs. Windt Bros. 325,059; June 11; Serial No. 361,200; published Apr. 2, 1935.

Preparations for undertakers' use. Embalmers' Supply Company. 106,303; renewed Oct. 19, 1935.

Remedy for female ailments. Davis & Lawrence Company. 106,221; renewed Oct. 19, 1935.

Remedy for skin and scalp diseases. Am-O-Lox Company. 103,934; renewed Apr. 20, 1935.

Saleratus, bicarbonate of soda, and salsoda. Church & Dwight Co. 106,214–6; renewed Oct. 19, 1935.

Salve and ointment for poison ivy poisoning. L. Dickens. 325,174; June 11; Serial No. 352,783; published Sept. 25, 1934

Toothpaste. Norsec Company. 325,188; June 11; Serial No. 359,518; published Apr. 2, 1935.
Viburnum compound. J. C. Beach, M. D. 106,203; renewed Oct. 19, 1935.

CLASS 10

Lime, Agricultural gypsum, etc., Spraying. United States Gypsum Company. 325,056; June 11; Serial No. 361,236; published Apr. 2, 1935.

CLASS 11

Ink, Drawing. Keuffel and Esser Company. 325,057; June 11; Serial No. 361,207; published Apr. 2, 1935.

CLASS 12

Cement block, Hollow. D. S. Corwin. 325,088; June 11; Serial No. 360,927; published Mar. 26, 1935.
Tile. Gladding, McBean & Co. 325,050; June 11; Serial No. 361,164; published Apr. 2, 1935.

CLASS 13

Bowls, basins, pans, etc. International Nickel Company. 325,157; June 11; Serial No. 347,446; published Apr. 2, 1935.
Door-plates, Enameled-metal. Ingram-Richardson Manufacturing Company. 106,233; renewed Oct. 19, 1935.
Hollow ware, Base metal cooking. R. S. Woodard. 325,211; June 11.
Pipes and tubes. National Tube Company. 106,118; renewed Oct. 12, 1935.
Tubes and pipes, Metal. Wheatland Tube Company. 325,041; June 11; Serial No. 361,375; published Apr. 2, 1935.

CLASS 14

Electrodes, Welding. American Murex Corporation. 325,116; June 11; Serial No. 361,043; published Apr. 2, 1935.
Rods, Welding. Welding Service, Inc. 325,100; June 11; Serial No. 361,199; published Apr. 2, 1935.

CLASS 15

Oil, Chassis lubricating. Emerol Manufacturing Co. 325,084; June 11; Serial No. 340,086; published Mar. 26, 1935.
Oil, Lubricating. Independent Lubricating Company. 325,202; June 11; Serial No. 358,368; published Mar. 26, 1935.
Oil, Motor lubricating. Southern Independent Oil & Refining Co. 325,121; June 11; Serial No. 359,929; published Mar. 26, 1935.
Oils and greases, Lubrication. Marquette Petroleum Products, Inc. 325,198; June 11; Serial No. 358,739; published Mar. 26, 1935.

CLASS 16

Paint in paste form, Water. Muralo Company. 325,213; June 11.
Polishes. Berry Brothers. 106,141; renewed Oct. 12, 1935.

CLASS 17

Cigarettes. American Tobacco Company. 325,104; June 11; Serial No. 361,157; published Apr. 2, 1935.
Cigarettes. Cocktail Hour Cigarettes, Inc. 325,182; June 11; Serial No. 357,806; published Apr. 2, 1935.

CLASS 19

Automobiles and chassis. Rolls-Royce Limited. 325,195; June 11; Serial No. 359,008; published Apr. 2, 1935.
Brake-shoes. American Brake Shoe & Foundry Company. 106,193; renewed Oct. 19, 1935.
Brake-shoes. American Brake Shoe & Foundry Company. 106,280; renewed Oct. 19, 1935.

CLASS 20

Oilcloth, Table. Carter Dry Goods Company. 325,065; June 11; Serial No. 361,836; published Apr. 2, 1935.

CLASS 21

Brushes for use with electrical machines. M. E. Northrop. 325,132; June 11; Serial No. 360,370; published Apr. 2, 1935.
Electric arc lamps, High intensity. J. E. McAuley Mfg. Co. 325,046; June 11; Serial No. 361,429; published Apr. 2, 1935.
Electric-conduit pipe. Central Tube Company. 106,297; renewed Oct. 19, 1935.
Electric hand lanterns, bicycle lamps, vehicle lamps. Delta Electric Company. 325,200; June 11; Serial No. 358,517; published Apr. 2, 1935.
Electric incandescent lamps. Duro-Test Corporation. 325,128; June 11; Serial No. 360,268; published Apr. 2, 1935.
Electric incandescent lamps and radio vacuum tubes. Birdseye Electric Company. 325,058; June 11; Serial No. 360,874; published Apr. 2, 1935.
Electric wires, Insulated. Detroit Insulated Wire Company. 105,254–5; renewed July 13, 1935.
Spark plugs. C. V. S. Manufacturing Co. 325,212; June 11.
Spark plugs. W. F. Price. 325,098; June 11; Serial No. 360,682; published Apr. 2, 1935.
Spot lights for vehicles, Electric. S. H. Thomson Manufacturing Company. 325,166; June 11; Serial No. 354,642; published Apr. 2, 1935.
Timing mechanisms for internal combustion engines and storage batteries. Auto-Lec Stores, Inc. 325,069; June 11; Serial No. 361,716; published Apr. 2, 1935.

CLASS 22

Game, Foot ball table. R. E. Venzey. 325,052; June 11; Serial No. 361,341; published Apr. 2, 1935.
Noise making devices and toy guns. K. Tsukamoto. 325,122; June 11; Serial No. 359,900; published Apr. 2, 1935.

CLASS 23

Centrifugal machinery and equipment incident thereto. Sharples Specialty Company. 325,048; June 11; Serial No. 361,443; published Apr. 2, 1935.
Cutlery, tools, and machinery. Curtis & Co. M'f'g Co. 105,389; renewed July 20, 1935.
Drilling equipment, Well. Globe Oil Tools Co. 325,181; June 11; Serial No. 357,629; published Apr. 2, 1935.
Grinding machines for metal working. E. S. McGonegal. 325,131; June 11; Serial No. 360,367; published Apr. 2, 1935.
Knives. Camillus Cutlery Company. 325,126; June 11; Serial No. 360,211; published Apr. 2, 1935.
Piston skirt adjuster. Unitlex Parts Co. 325,095; June 11; Serial No. 360,740; published Apr. 2, 1935.
Plows. Parlin & Orendorff Company. 106,490; renewed Oct. 19, 1935.
Sweepers, Carpet. Bissell Carpet Sweeper Company. 325,151; June 11; Serial No. 356,574; published Apr. 2, 1935.

CLASS 26

Cameras and projecting machines, continuous reels, etc. Casted Research Laboratories, Inc. 325,168; June 11; Serial No. 354,616; published Apr. 2, 1935.
Temperature controls for liquid pasteurizers. Cherry-Burrell Corporation. 325,123; June 11; Serial No. 359,884; published Apr. 2, 1935.

CLASS 28

Silver-plated flat-ware. International Silver Company. 325,054; June 11; Serial No. 361,270; published Apr. 2, 1935.

CLASS 29

Brushes, Paint. Baker Brush Co. 325,110-13; June 11; Serial Nos. 361,071-4; published Apr. 2, 1935.

CLASS 30

Dishes, plates, cups, etc. Continental Ceramics Corporation. 325,049; June 11; Serial No. 361,454; published Apr. 2, 1935.

CLASS 32

Swing, Lawn or porch. Goshen Manufacturing Company. 325,097; June 11; Serial No. 360,714; published Apr. 2, 1935.

CLASS 34

Air conditioning units. Chrysler Corporation. 325,089; June 11; Serial No. 360,840; published Apr. 2, 1935.
Boilers, Gas-fired. Hook Manufacturing Company. 325,115; June 11; Serial No. 361,054; published Apr. 2, 1935.
Fans, Ventilating. Bendix Products Corporation. 325,146; June 11; Serial No. 355,345; published Apr. 2, 1935.
Heating, ventilating, and air conditioning units. American Furnace Company. 325,184; June 11; Serial No. 360,157; published Apr. 2, 1935.
Heating, ventilating, and air conditioning units, Coal, oil, and gas burning. American Furnace Company. 325,124; June 11; Serial No. 360,158; published Apr. 2, 1935.

CLASS 35

Tubes, Inner. Lee Rubber & Tire Corporation. 325,177; June 11; Serial No. 352,086; published Apr. 2, 1935.

CLASS 37

Paper. C. H. Dexter & Sons, Incorporated. 104,712; June 15.
Paper and papeteries, Writing and printing. White & Wyckoff Mfg. Company. 325,081; June 11; Serial No. 359,874; published Apr. 2, 1935.
Paper, Ledger. Carew Manufacturing Company. 325,176; June 11; Serial No. 352,130; published Apr. 2, 1935.

CLASS 38

Column in newspapers and periodical publications. A. N. Phillips, Jr. 325,051; June 11; Serial No. 361,325; published Apr. 2, 1935.
Leaflets, pamphlets, or bulletins. Goodyear Tire & Rubber Company. 325,106; June 11; Serial No. 361,143; published Apr. 2, 1935.
Magazine, Section or department of a. E. E. Scharf. 325,079; June 11; Serial No. 361,481; published Apr. 2, 1935.
Newspaper. End Poverty League, Inc. 325,070; June 11; Serial No. 361,571; published Apr. 2, 1935.
Newspaper. Reporter Publishing Company. 325,080; June 11; Serial No. 361,480; published Apr. 2, 1935.

Periodicals. Affiliated Clothiers, Inc. 325,078; June 11; Serial No. 361,493; published Apr. 2, 1935.
Publication. Confectioners Journal Publishing Company. 325,074; June 11; Serial No. 361,511; published Apr. 2, 1935.
Tickets, Theatre. F. Barnes. 325,092; June 11; Serial No. 360,819; published Apr. 2, 1935.

CLASS 39

Blouses, polo and basque shirts, etc., Women's and girls'. Fort Schuyler Knitting Company. 325,120; June 11; Serial No. 359,989; published Apr. 2, 1935.
Brassières. Marja Brassiere Company. 325,186; June 11; Serial No. 359,763; published Apr. 2, 1935.
Clothing. Chatham Manufacturing Company. 325,154; June 11; Serial No. 343,821; published July 10, 1934.
Clothing, Ladies', misses', and children's. Maid Well Mfg. Co. 325,185; June 11; Serial No. 359,805; published Mar. 26, 1935.
Corset and brassière, Combination. H. W. Gossard Co. 325,093; June 11; Serial No. 360,771; published Apr. 2, 1935.
Dresses, Textile Products Company. 104,110; renewed Apr. 27, 1935.
Dresses and frocks. Forest City Manufacturing Company. 325,055; June 11; Serial No. 361,263; published Mar. 26, 1935.
Dresses, aprons, frocks, and pajamas. Joseph S. Cohen & Sons Co. Inc. 325,076; June 11; Serial No. 361,509; published Mar. 26, 1935.
Dresses, Ladies' knitted. Apollo Knitting Mills. 325,136; June 11; Serial No. 360,519; published Apr. 2, 1935.
Frocks and dresses. Joseph S. Cohen & Sons Co. Inc. 325,075; June 11; Serial No. 361,510; published Mar. 26, 1935.
Gloves, Rubber. Wilson Rubber Company. 325,143; June 11; Serial No. 360,655; published Apr. 2, 1935.
Hats. Hawley Products Company. 325,192–3; June 11; Serial Nos. 359,129–30; published Apr. 2, 1935.
Hats, Ladies'. M. Apfel & Bro., Inc. 325,094; June 11; Serial No. 360,746; published Apr. 2, 1935.
Hosiery. Carson Pirie Scott & Co. 325,135; June 11; Serial No. 360,457; published Mar. 26, 1935.
Hosiery, Nolde and Horst Company. 325,099; June 11; Serial No. 360,679; published Apr. 2, 1935.
Hosiery, Ladies'. Cavendish Trading Corporation. 325,044; June 11; Serial No. 361,413; published Mar. 26, 1935.
Jackets, work shirts, sport shirts, etc., Men's and boys'. Lustberg, Nast & Co. Inc. 325,150; June 11; Serial No. 360,318; published Apr. 2, 1935.
Overalls and work shirts. E. R. Partridge, Incorporated. 325,139; June 11; Serial No. 360,547; published Apr. 2, 1935.
Pajamas, Ladies', misses', and children's. Joseph S. Cohen & Sons Co. Inc. 325,077; June 11; Serial No. 361,506; published Mar. 26, 1935.
Shoes. Excelsior Shoe Company. 325,171; June 11; Serial No. 353,884; published Sept. 25, 1934.
Shoes. Rogers Peet Company. 106,366; renewed Oct. 19, 1935.
Shoes and hosiery. C. R. Kinney Co. 325,162–3; June 11; Serial Nos. 358,254–5; published Apr. 2, 1935.
Shoes for women. Butler Brothers. 325,118; June 11; Serial No. 360,128; published Apr. 2, 1935.
Shoes, Ladies'. Entroth Shoe Company. 325,169; June 11; Serial No. 354,247; published Oct. 2, 1934.
Underwear, union suits, sweaters, Men's. Robert Reis & Company. 325,127; June 11; Serial No. 360,243; published Apr. 2, 1935.

CLASS 40

Emblems. Frances Emblems Inc. 325,194; June 11; Serial No. 359,126; published Apr. 2, 1935.

CLASS 42

Curtains and draperies. Scranton Lace Company. 104,485; renewed June 1, 1935.
Textile fabrics. Colony Sales Corporation. 325,165; June 11; Serial No. 355,056; published Apr. 2, 1935.
Woolen piece goods. Forstmann Woolen Co. 325,133; June 11; Serial No. 360,437; published Mar. 26, 1935.

CLASS 43

Yarn. T. H. Ball. 325,187; June 11; Serial No. 359,737; published Mar. 26, 1935.
Yarn, Crochet and knitting. Lily Mills Company. 325,134; June 11; Serial No. 360,440; published Mar. 26, 1935.

CLASS 44

Machines for permanently waving hair, and equipment. National Mineral Company. 325,209; June 11.
Thumb guards. M. C. Malsh. 325,091; June 11; Serial No. 360,828; published Apr. 2, 1935.

CLASS 45

Beverages, Maltless. Tropical Beverage Company. 325,155; June 11; Serial No. 346,483; published Mar 19, 1935.

CLASS 46

Bread. E. H. Koester Baking Company. 325,141; June 11; Serial No. 360,595; published Apr. 2, 1935.
Bread. W. E. Long Co. 325,045; June 11; Serial No. 361,427; published Apr. 2, 1935.
Cake mix. E. Carty. 325,119; June 11; Serial No. 360,090; published Apr. 2, 1935.
Canned vegetables. Milford Canning Company Inc. 325,042; June 11; Serial No. 361,376; published Apr. 2, 1935.
Chocolate. Runkel Brothers, Inc. 325,105; June 11; Serial No. 361,149; published Apr. 2, 1935.
Cod and haddock fillets, Skinless. T. S. Gorton, Jr. 325,068; June 11; Serial No. 361,738; published Apr. 2, 1935.
Coffee. D. B. Hodgsdon. 325,180; June 11; Serial No. 357,861; published Apr. 2, 1935.
Essence for coffee. National Essence For Coffee Company. 106,470; renewed Oct. 19, 1935.
Flour, Wheat. Hays City Milling and Elevator Company. 106,602; renewed Oct. 26, 1935.
Flour, Wheat. Yukon Mill and Grain Company. 325,148–50; June 11; Serial Nos. 356,090–2; published Apr. 2, 1935.
Food for dogs, cats, puppies, etc., Prepared. S. E. Mighton. 325,210; June 11.
Fruits, Citrus. Florida Citrus Exchange. 106,590; renewed Oct. 26, 1935.
Fruits, Fresh citrus. Morris Bros. Fruit Co. 325,063; June 11; Serial No. 361,898; published Apr. 2, 1935.
Fruits, vegetables, melons, and grapes, Fresh. D. W. Johnston. 325,199; June 11; Serial No. 358,736; published Apr. 2, 1935.
Ice-cream. Silver Rod Stores Supply Co. 325,072; June 11; Serial No. 361,546; published Apr. 2, 1935.
Milk preparation, Malted. Tayton Company. 325,108; June 11; Serial No. 361,128; published Apr. 2, 1935.
Mushrooms. National Mushroom Corporation. 325,101; June 11; Serial No. 361,180; published Apr. 2, 1935.
Poultry and eggs, Dressed. W. H. Appleby. 325,207; June 11.
Sauce, pepper pod sauce, mustard, etc., Hot. E. Bulliard. 325,181; June 11; Serial No. 357,851; published Apr. 2, 1935.
Shrimp. Stone-Dwyer, Inc. 325,062; June 11; Serial No. 357,070; published Apr. 2, 1935.
Tea, coffee, spices, etc. Lippincott & Co. 105,984; renewed Sept. 7, 1935.
Whey, Concentrated milk. Protein Mineral Co. Inc. 325,189; June 11; Serial No. 359,419; published Apr. 2, 1935.

CLASS 47

Wines. M. Bauer. 325,170; June 11; Serial No. 353,976; published Apr. 2, 1935.
Wines. E. Cerruti, Inc. 325,117; June 11; Serial No. 361,037; published Apr. 2, 1935.
Wines, Garrett and Company Incorporated. 325,175; June 11; Serial No. 352,436; published Apr. 2, 1935.
Wines. S. Milanese. 325,179; June 11; Serial No. 346,701; published Mar. 20, 1934.
Wines. Padre Vineyard Company. 325,147; June 11; Serial No. 355,851; published Apr. 2, 1935.

CLASS 48

Ale. Belmont Brewing Co. 325,061; June 11; Serial No. 357,116; published Nov. 20, 1934.
Ale. Genesee Brewing Co. 325,087; June 11; Serial No. 361,238; published Apr. 2, 1935.
Ale. G. Krueger Brewing Company. 325,053; June 11; Serial No. 361,518; published Apr. 2, 1935.
Beer. Liebmann Breweries, Inc. 325,064; June 11; Serial No. 361,846; published Apr. 2, 1935.
Beer. Salinas Brewing & Ice Company. 325,205; June 11.
Beer. Southern Brewing Company. 325,066; June 11; Serial No. 361,779; published Apr. 2, 1935.
Beer and ale. Pointer Brewing Company. 325,109; June 11; Serial No. 361,114; published Apr. 2, 1935.
Compound for chill-proofing beer. Dehls & Stein. 325,107; June 11; Serial No. 361,139; published Apr. 2, 1935.
Malt beverages. La Fábrica de Cerveza de San Miguel-San Miguel Brewery, - 325,156; June 11; Serial No. 346,580; published Apr. 2, 1935.

CLASS 49

Bitters, whiskey, gin, etc., Alcoholic. A. Spica. 325,215; June 11.
Cocktails, Alcoholic. Town House Corporation. 325,203; June 11; Serial No. 358,344; published Feb. 12, 1935.
Punch, Alcoholic. Gordon-O'Neill Co. Inc. 325,206; June 11.
Rum. Continental Distilling Corporation. 325,204; June 11.
Whiskey. Philip Blum & Co. 325,160; June 11; Serial No. 348,743; published Apr. 24, 1934.
Whiskey, Distilled Products, Inc. 325,167; June 11; Serial No. 354,626; published Sept. 4, 1934.
Whiskey, Frankfort Distillery Inc. 325,082–3; June 11; Serial Nos. 340,346–7; published Sept. 12, 1933.
Whiskey, Kasko Distillers Products Corp. 325,172; June 11; Serial No. 353,276; published Aug. 14, 1934.
Whiskey, Lorber Mercantile Company. 325,208; June 11.

Whiskey. Maryland Wine & Spirits Corporation. 325,158; June 11; Serial No. 351,269; published June 19, 1934.

Whiskey. Penn-Maryland, Inc. 325,161; June 11; Serial No. 348,927; published June 5, 1934.

Whiskey. Young's Market Company. 325,159; June 11; Serial No. 348,213; published May 15, 1934.

Whiskey and other potable distilled spirits. Jos. S. Finch & Company. 325,153; June 11; Serial No. 343,502; published Dec. 26, 1933.

Whiskey, Scotch. Robert R. Carroll & Co. 325,158; June 11; Serial No. 348,115; published May 22, 1934.

Whiskey, Sour mash bourbon. I. L. Lyons & Co. 325,214; June 11.

Whiskies and Gin. Rodgers Distilleries Co. 325,173; June 11; Serial No. 353,148; published July 31, 1934.

Whisky. Booth's Distilleries Limited. 325,145; June 11; Serial No. 355,290; published Oct. 23, 1934.

Whisky. Chivas Brothers. 325,152; June 11; Serial No. 342,839; published Jan. 2, 1934.

CLASS 50

Display devices and models for shoes and the like. Shoe Fashion Research, Inc. 325,129; June 11; Serial No. 360,292; published Apr. 2, 1935.

LIST OF LABELS

ABC. For Root Beer. American Beverage Company. 45,770; June 11.

Abbotts De Luxe Cultured Buttermilk. For Buttermilk. Abbotts Dairies, Inc. 45,765; June 11.

Abbotts De Luxe Sour Cream. For Sour Cream. Abbotts Dairies, Inc. 45,764; June 11.

Abbotts Milk Vitamin D Irradiated. For Milk. Abbotts Dairies, Inc. 45,766; June 11.

Adam's Healthy-Herb Tonic. For a Medicinal Preparation. A. Ognjenovich. 45,805; June 11.

Baby's Best Milk, Made Exclusively for Babies, Consult Your Physician for Formula. For Milk. F. C. Lane. 45,803; June 11.

Barbara Lee. For Boxes. Hoague-Sprague Corporation. 45,795; June 11.

Blue Grass Winner. For Beer. J. C. Bruckmann. 45,771; June 11.

California Style. For Bread. Schulze Baking Company. 45,811; June 11.

Carpenter Red-Hard Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,775; June 11.

Carpenter Red-Tough Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,776; June 11.

Carpenter Red-Wear Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,777; June 11.

Carpenter Water-Hard Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,772; June 11.

Carpenter Water-Tough Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,773; June 11.

Carpenter Water-Wear Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,774; June 11.

Carrot Bread. For Bread. J. T. Jacobus. 45,802; June 11.

Colombina Brand Effervescent Preparation. For an Effervescent Preparation Having Antacid Properties as an Aid to Digestion. H. Colombi. 45,778; June 11.

Colt Excellence. For Shoes. Colt Shoes, Inc. 45,779; June 11.

Delco-Remy Service Parts, Arm. For Arms. Delco-Remy Corporation. 45,783; June 11.

Delco-Remy Service Parts, Coil. For Coils. Delco-Remy Corporation. 45,782; June 11.

Delco-Remy Service Parts, Distributor Cap. For Distributor Caps. Delco-Remy Corporation. 45,784; June 11.

Delco-Remy Service Parts, Rotor. For Rotors. Delco-Remy Corporation. 45,785; June 11.

Diro. For Peroxide. Schuylkill Chemical Company. 45,812; June 11.

Distinctive Footwear. For Boxes. Hoague-Sprague Corporation. 45,801; June 11.

Drumright's Old Fashioned Southern Style Pork Barbecue. For a Pork Product. Southern Style Foods, Inc. 45,815; June 11.

Everix. For Bread. Everix Baking Co. 45,786; June 11.

Fiesta. Distilled Dry Gin. For Distilled Dry Gin. H. Walters. 45,825; June 11.

Gosman's. For Root Beer. Gosman Company. 45,792; June 11.

Green Label. For Tea Bags. Standard Brands Incorporated. 45,817; June 11.

Hairight Scalp Pomade. For Scalp Pomade. Fortune Laboratories, Inc. 45,788; June 11.

Heublein. For Whiskey. G. F. Heublein & Bro. 45,793; June 11.

High Hat. For Distilled Dry Gin. Edward J. Goldie Importation Co. 45,791; June 11.

Hunny Girl. For Boxes. Hoague-Sprague Corporation. 45,794; June 11.

Ice Cream. For Ice Cream. Container Corporation of America. 45,780; June 11.

Jack Stelper. For Boxes. Hoague-Sprague Corporation. 45,800; June 11.

Kapuziner. For Beer. Pfeil Bros., Inc. 45,806; June 11.

Kitchen Klenzer. For Cleaning and Scouring Compound in Finely Divided Form for Household Use. Fitzpatrick Bros. Inc. 45,787; June 11.

Lambo Products Co. Knitwear. For Knitwear. Sacks-Sons Carton Co. 45,807; June 11.

Long's. For Boxes. Hoague-Sprague Corporation. 45,799; June 11.

Luxamin Palatable Yeast Vitamin Extract. For Vitamin Yeast Extract. Vita-Lux Products, Inc. 45,824; June 11.

Mission. For Tuna. Van Camp Sea Food Co. Inc. 45,823; June 11.

Mor-A D-F. For Pads for Permanent Waving. Dealers Supply Company. 45,781; June 11.

Originators of Smart Shoes. For Boxes. Hoague-Sprague Corporation. 45,797; June 11.

O'Sheas Private Stock. For Blended Whiskey. J. J. Shea. 45,813; June 11.

Pep-Ti-Kao. For Antacid-Alkalizer. General Pharmacal Company. 45,790; June 11.

Rams Head. For Ale. Adam Scheidt Brewing Company. 45,809; June 11.

Real Facts About Ice Cream. For Ice Cream. Foster & Cross, Inc. 45,789; June 11.

Relaxation-Bunion Pads. For Bunion Pads. Allen Chemical Co. Inc. 45,767; June 11.

Relaxation—Callus Pads. For Callus Pads. Allen Chemical Co. Inc. 45,768; June 11.

Relaxation—The Safe Corn and Callus Remover. For Preparation for Removing Corns and Callus. Allen Chemical Co. Inc. 45,769; June 11

Standard Ale. For Ale. Standard Brewing Company. 45,819–20; June 11.

Standard Sparkling Ale. For Ale. Standard Brewing Company. 45,818; June 11.

Standard Sparkling Ale. For Ale. Standard Brewing Company. 45,821; June 11.

Tengler Leaf. For Tea Bags. Standard Brands Incorporated. 45,816; June 11.

The Good Value Shoe. For Boxes. Hoague-Sprague Corporation. 45,798; June 11.

The Prospect. For Mattresses. Sleeper Products, Inc. 45,814; June 11.

They See the Box First. For Boxes. Hoague-Sprague Corporation. 45,796; June 11.

Thos. H. Stevenson's Morning Gem Headache Powder. For Powder Used as a Treatment for Simple Headaches, Constipation, Biliousness, Sour Stomach Sweetener and Relief of Sea-Sickness. F. B. Stevenson. 45,822; June 11.

Unica Brand. For Neapolitan Spaghetti Sauce. F. Santelli. 45,808; June 11.

Van Dee. For Hosiery. Wohl Shoe Company. 45,826; June 11.

Vanilla. For Vanilla Pure Extract. A. Schilling & Company. 45,810; June 11.

White Magic. For White Shoe Dressing. Mohl Bros. 45,804; June 11.

LIST OF PRINTS

A Car That Fairly Flies. For Automobiles. C. S. Henshaw. 15,217; June 11.

I'd Rather Face a Thousand Spikes Than Another Blow-Out. (Ad. No. GBC–48.) For Rubber Tires. B. F. Goodrich Company. 15,216; June 11.

Kill Rats and Mice with Rafedes Tid-Bits. For a Preparation for Killing Rats and Mice. Baldwin Laboratories, Inc. 15,214; June 11.

Philo Brand. For Silicon, Chromium, and Manganese Alloys. Ohio Ferro-Alloys Corporation. 15,219; June 11.

Ten Pay Plan. For Men's, Women's, and Children's Wearing Apparel. Mayer Israel & Co. 15,218; June 11

While They Last Free! With 2 Packages of Wheaties New "Shirley Temple" Occasion Dish. For Cereal Food. General Mills, Inc. 15,215; June 11

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bailey, William H., Pueblo, Colo., assignor to The Colorado Fuel and Iron Company, Denver, Colo. Dam construction. 19,603; June 11.

Colorado Fuel and Iron Company, The. (See Bailey, William H., assignor.)

Edenburg, Louis, Antwerp, Belgium, assignor to Nova Electric Corporation, New York, N. Y. Electrical condenser. 19,604; June 11.

Flanzer, Joseph A., Brooklyn, N. Y.; L. L. Jones, Oradell, N. J.; and E. Reisman, Upper Darby, Pa., assignors to Technidyne Corporation, New York, N. Y. Variable resistor. 19,605; June 11.

Jones, Lester L. (See Flanzer, J. A., Jones, and Reisman.)

Material Handling, Inc. (See Romine, Robert T., assignor.)

Nova Electric Corporation. (See Edenburg, Louis, assignor.)

Novocol Chemical Mfg. Co. Inc. (See Woelm, Max, assignor.)

Reisman, Emil. (See Flanzer, J. A., Jones, and Reisman.)

Romine, Robert T., Mount Clemens, Mich., assignor to Material Handling, Inc., Wilmington, Del. Industrial truck. 19,606; June 11.

Siegel, David T., Chicago, Ill. Rheostat potentiometer and constructing the same. 19,607; June 11.

Technidyne Corporation. (See Flanzer, J. A., Jones, and Reisman, assignors.)

Woelm, Max, Spangenberg, near Kassel, Germany, assignor, by mesne assignments, to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Production of anesthetic solutions. 19,608; June 11.

LIST OF DESIGN PATENTEES

Adams Bros. & Co. (See Adams, Willis B., assignor.)

Adams, Willis B., Oak Park, assignor to Adams Bros. & Co., Chicago, Ill. Jar. 95,888; June 11.

Beck, George H., Chicago, Ill., assignor to Marion Lambert, Inc., St. Louis, Mo. Vanity container. 95,889; June 11.

Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)

Benjamin, Benjamin, Freeport, N. Y. Shoe. 95,890; June 11.

Bentley, Benedict. (See Bentley, Rowland and B.)

Bentley, Rowland, Mount Airy, and B. Bentley, Gladwyn, Pa. Vending machine cabinet. 95,891; June 11.

Boepple, Hans, New York, N. Y. Lady's sweater. 95,892; June 11.

Botany Worsted Mills. (See Schumacher, Albert, assignor.)

Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Game board for pin ball games. 95,893; June 11.

Burkhardt, Conrad C., Philadelphia, Pa. Electric locomotive. 95,894; June 11.

Byrnes, Ralph J., Chicago, Ill. Game board. 95,895; June 11.

Chase Companies, The. (See Reichenbach, Howard F., assignor.)

Chilton Pen Company, The. (See Sypher, Milford G., assignor.)

Clark, Jeddiah B., assignor to Indiana Glass Company, Dunkirk, Ind. Ash tray or similar article. 95,896; June 11.

Clements, Herbert, Geneva, N. Y. Spectacle bridge. 95,897; June 11.

Closure Service Company, The. (See Fuerst, Edwin W., assignor.)

Conner, Virginia M., New York, N. Y. Spoon or other article of flatware. 95,898; June 11.

Container Corporation of America. (See Smith, Margery M., assignor.)

Delman, Inc. (See Ellington, Ferdinand W., assignor.)

Delta Electric Company. (See Wiley, Lee M., assignor.)

Dicker, Hyman, Jersey City, N. J. Edible cup. 95,899; June 11.

Dunhill, Mary, Inc. (See Ogden, Arnold L., assignor.)

Dunnock, John L., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Bottle. 95,900; June 11.

Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. 95,901; June 11.

Evans, Powell, Haverford, Pa. Fire extinguisher. 95,902; June 11.

Fenton, Frank L., Williamstown, W. Va. Whisky glass. 95,903; June 11.

Fisk Rubber Corporation, The. (See Maynard, Charles E., assignor.)

Friedman, Oscar, New York, N. Y. Hat. 95,905; June 11.

Fuerst, Edwin W., assignor to The Closure Service Company, Toledo, Ohio. Bottle cap. 95,904; June 11.

Geddes, Norman B. and C. Landefeld, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Building. 95,906; June 11.

Goshen Manufacturing Company, The. (See Weaver, Earl L., assignor.)

Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. 95,907; June 11.

Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. 95,908; June 11.

Hazel-Atlas Glass Company. (See Sutton, Lewis M., Jr., assignor.)

Helwig, Drew M. (See McCarty, L. C., Jr., and Helwig.)

Hiller, Morris, Long Beach, N. Y. Coat. 95,909; June 11.

Indiana Glass Company. (See Clark, Jeddiah B., assignor.)

Keeler Brass Company. (See Keeler, Isaac S., assignor.)

Keeler Brass Company. (See Rettich, Kurt, assignor.)

Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Handle or similar article. 95,910; June 11.

Kim, Julius, Cheswick, Pa. House letter box. 95,911; June 11.

Kussman, Delwin W., Racine, Wis. Combined wall shelf and radiocabinet. 95,912; June 11.

Lambert, Marion, Inc. (See Beck, George H., assignor.)

Landefeld, Carl. (See Geddes, N. B., and Landefeld.)

Larkin Company. (See Nyland, Houka, assignor.)

Larom, George U., Brightwaters, and A. L. Russo, Astoria, N. Y. Glove. 95,913; June 11.

Leholt and Company. (See Le Bolt, Jack M. H., assignor.)

Le Bolt, Jack M. H., assignor to Leholt and Company, Chicago, Ill. Finger ring. 95,914; June 11.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. 95,915; June 11.

Martin, Glenn L., Company, The. (See McCarty, L. C., Jr., and Helwig, assignors.)

Maynard, Charles E., Northampton, Mass., assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass. Tire. 95,916; June 11.

McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 95,917; June 11.

McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 95,918; June 11.

McCarty, Lewis C., Jr., Towson, and D. M. Helwig, Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md. Aircraft chair. 95,919; June 11.

Moloney, Raymond T. (See Breitenstein, Herbert G., assignor.)

Moorman, Albert S., New York, N. Y. Pin board game device. 95,920; June 11.

Nyland, Houka K., Brewster, assignor to Larkin Company, Inc., Buffalo, N. Y. Rocking horse. 95,921; June 11.

O'Brien, William A., San Pedro, Calif. Card game scoring board. 95,922; June 11.

O'Brien, William A., San Pedro, Calif. Table top. 95,923; June 11.

Ogden, Arnold L., assignor to Mary Dunhill, Inc., New York, N. Y. Lip stick holder. 95,924; June 11.

Reichenbach, Howard F., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Cocktail shaker or similar article. 95,925; June 11.

Rettich, Kurt, assignor to Keller Brass Company, Grand Rapids, Mich. Handle or similar article. 95,926; June 11.

Rheinauer, Daniel, New York, N. Y. Sweater. 95,927; June 11.

Richardson Company, The. (See Reiser, Oliver O., assignor.)

Reiser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 95,928; June 11.

Roberts, Carl D., Kirbyville, Tex. Pall-bearer's badge. 95,929; June 11.

Rodriguez, Manuel G., Haiku, Hawaii. Nail. 95,930; June 11.

Russo, Alfred L. (See Larom, G. U., and Russo.)
Salvia, John A., assignor to Samson-United Corporation, Rochester, N. Y. Waffle iron. 95,931; June 11
Samson-United Corporation. (See Salvia, John A., assignor.)
Schumacher, Albert, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 95,933; June 11.
Schwalbe, Max E., New York, N. Y. Emblem or similar article. 95,932; June 11.
Simon, Franklin & Co. (See Weinberg, Cecile, assignor.)
Smith, Margery M., Brooklyn, N. Y., assignor to Container Corporation of America, Chicago, Ill. Carton. 95,934; June 11.
Snyder, Eugene L., Canton, Ohio. Dish. 95,935; June 11.
Socony-Vacuum Oil Company. (See Geddes, N. B., and Landefeld, assignors.)
Stupell, Leo K., New York, N. Y. Alphabet for forming monograms or the like. 95,936; June 11.
Sutton, Lewis M., Jr., Minneapolis, Minn., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. 93,937; June 11.
Swindell Brothers, Incorporated. (See Dunnock, John L., assignor.)
Sypher, Milford G., Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen clip or similar article. 95,938; June 11.
Thomas, Cyril H., Chicago, Ill. Cable clamp. 95,939; June 11.
Turiansky, Abraham, New York, N. Y. Shoe. 95,940; June 11.
Weaver, Earl L., assignor to The Goshen Manufacturing Company, Goshen, Ind. Swing. 95,941; June 11.
Weinberg, Cecile, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. 95,942; June 11.
Wiley, Lee M., Marion, Ind., assignor to Delta Electric Company. Electric lantern. 95,943; June 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1935

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Abbott, Geoffrey J., London, England. Machine for cutting potatoes or other objects into chips or slices. 2,004,548; June 11.
Abele, Richard P. (See Vandever, James R., assignor.)
Ackermann, Franz. (See Graenacher, C., and Ackermann.)
Adams, Campbell V., Chicago, Ill. Power hammer. 2,004,180; June 11.
Adlake Company, The. (See Hamm, William S., assignor.)
Adlake Company, The. (See Keller, Walter E., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Adler, Herbert P. (See Ingram, R. L., and Adler.)
Aeolian-Skinner Organ Company. (See Marks, Arthur H., assignor.)
Ahronheim, Albert A., assignor of one-half to W. Sparks, Jackson, Mich. Apparatus for telegraphically transmitting colored pictures. 2,004,359; June 11.
Ahronheim, Albert A., assignor of one-half to W. Sparks, Jackson, Mich. Method and apparatus for telegraphically transmitting colored moving pictures or scenes. 2,004,360; June 11.
Albers, Edwin W., Schenectady, N. Y. Locomotive construction. 2,004,742; June 11.
Alden, John L., LaGrange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor cable. 2,004,592; June 11.
Allendorff, Friedrich. (See Kazenmaier, A., Allendorff, and Schmid.)
Allison, John J., and J. P. Ivy, Chandler, Ariz. Tractor drawn grader. 2,004,846; June 11
Alsop, Bertha S., Scarsdale, N. Y. Holder. 2,004,088; June 11.
Aluminum Company of America. (See Jardine, Frank, assignor.)
American Automatic Devices Co. (See Kovac, Rudolph, assignor.)
American Brake Shoe and Foundry Company, The. (See Folsom, E. C., assignor.)
American Can Company. (See Erb, George C., assignor.)
American Car and Foundry Motors Company. (See Chapman, J. F., and Hayes, assignors.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Hair & Felt Company. (See Johnson, Reginald H., assignor.)
American Hair & Felt Company. (See Phillips, Robert S., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Machine and Metals, Inc. (See De Bothezat, George, assignor.)
American Meter Company. (See Benson, Arthur F., assignor.)
American Optical Company. (See Laabs, Max A., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Miller, C. G., and Bonorden, assignors.)
Ames Baldwin Wyoming Co. (See Ready, William A., assignor.)
Anaconda Wire & Cable Company. (See Smedley, Anderson B., assignor.)
Anchor Cap & Closure Corporation. (See Von Till, Louis A., assignor.)
Anderson, Bert J., Hammond, Ind. Handle bar. 2,004,089; June 11.
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Harley E., assignor of one-half to J. H. Sharp, Chicago, Ill. Brake head. 2,004,743; June 11.
Anderson, Russell T. (See Rothchild, L., and Anderson.)
Andreas, Arno, Munster, Germany. Filling machine. 2,004,593; June 11.
Andrews, Norman F. (See Coultas, W. J., and Andrews.)
Andrews, Olive B., Chattanooga, Tenn. Device for packaging bakery products. 2,004,098; June 11.
Angstman, Roger W., Pontiac Mich., assignor, by mesne assignments, to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater apparatus. 2,004,151; June 11.
Antelme, Jean B. S., St.-Cloud, assignor to Blériot-Aéronautique, Suresnes, France. Device for setting tubular rivets. 2,004,624; June 11.
Arbuckle, S. F., Corp. (See Arbuckle, S. F., and Coulter, assignors.)
Arbuckle, Samuel F., and G. H. Coulter, Highland Park, Mich., assignors to S. F. Arbuckle Corp. Sign. 2,004,181; June 11.
Arey, Fred C., Oak Park, Ill., assignor to Vulcan Soot Blower Corporation. Strap with attached washers and making the same. 2,004,182; June 11.
Armand Company, The. (See Weeks, Charles, assignor.)
Armitage, Joseph B., et al. (See Kearney, E. J., Parsons, and Armitage.)
Arms, Merton H., and J. B. Johnson, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Calipering mechanism. 2,004,361; June 11.
Armstead, Edward C., Darrington, Wash. Self tying clip. 2,004,456; June 11.
Ashby, John T. (See Welch, S. A., Guyler, Ashby, and Bonler.)
Askland, Thomas C., Reeder, N. Dak. Corn binder. 2,004,090; June 11.
Asper, Halfdan, N. Dak. (See Schmohl, A. C., and Asper.)
Atlantic Carton Corporation. (See Whitehead, Earl B., assignor.)
Atlantic Service Company. (See Laemmel, Charles A., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Avery, John S. (See Wilkes, G., and Avery.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Backsay Welt Company. (See Best, Frank A., assignor.)
Bacon, Thomas S. (See Thompson, C. L., Bacon, and Bludworth.)
Badenhausen Corporation. (See Badenhausen, Phillips, assignor.)
Badenhausen, Phillips, Philadelphia, assignor to Badenhausen Corporation, Cornwells Heights, Pa. Slag bottom for furnaces. 2,004,152; June 11.
Badgley, Roy J., Springfield, Ohio. Making mops. 2,004,804; June 11.
Bahnson Company, The. (See Simpson, Jerry H., assignor.)
Bain, William H., Portsmouth, Ohio. Shoe and making same. 2,004,425; June 11.
Bainbridge, Edmund F., Albany, N. Y. Treatment of alloys. 2,004,483; June 11.
Bajda, James J., South Orange, N. J. Treating cacao beans. 2,004,497; June 11.
Baker and Company et al. (See Tilley, J. N., and Whitehead, assignors.)
Baker, Randall B., Needham, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Annunciator. 2,004,645; June 11.
Balcom, Charles H., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-distributor. 2,004,233; June 11.
Ball, Donald A. (See Quick, C. G., Ball, and Bennett.)
Ballantyne, Horatio. (See Moore, C. W., and Ballantyne.)
Ballert, Otto, Berlin, Germany. Hydraulic rear tipper for fast delivery vans. 2,004,744; June 11.
Ballou, R. A., & Co. (See Morehouse Eugene, assignor.)
Band Box Corporation, The. (See Martin, John E., assignor.)
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control equipment. 2,004,776; June 11.
Bapty, Samuel L. (See Collyear, J. R., and Bapty.)
Barz, Fritz, A. Landolt, W. Geigy, H. Kaegi, and C. Graenacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing of textiles. 2,004,476; June 11.
Basse, Charles. (See Bidwell, Edgar, Assignor.)
Bassler, Kurt, Berlin, Germany, assignor to General Electric Company. Elastic fluid turbine. 2,004,777; June 11.
Battle, Henry W., Jr., Louisville, Ky. Lacquer enamel. 2,004,514; June 11.
Baumann, Henry N., Jr. (See Benner, R. C., and Baumann, Jr.)
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)
Bausch & Lomb Optical Company. (See Fassin, Gustave, assignor.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
Bausch & Lomb Optical Company. (See Poser, Max, assignor.)
Baxenden, George. (See Collyear, J. R., and Bapty, assignors.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Beardsley & Piper Company, The. (See Piper, Walter F., assignor.)
Beatty, Wilfrid J., Castroville, Calif. Road planer. 2,004,154; June 11.

Becht, Louis D., St. Louis, Mo. Shirt board. 2,004,362; June 11.
Becker, Carl W., Allston, Mass. Cathode ray tube. 2,004,646; June 11.
Becker, Christopher A., Nutley, N. J., assignor to The Torsion Balance Company, New York, N. Y. Balance or weighing scale. 2,004,745; June 11.
Becker, Frederick W., and R. P. Kinsley, assignors to Watervliet Tool Company, Inc., Albany, N. Y. Expanding pintle for hinges. 2,004,561; June 11.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Producing columbium alloys. 2,004,498; June 11.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y. Cathode ray apparatus. 2,004,099; June 11.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 2,004,778; June 11.
Beer, Karl, Stuttgart, and G. Pfrommer, Oberturkheim, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric condenser. 2,004,647; June 11.
Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker construction. 2,004,363; June 11.
Beghetti, Peter, San Francisco, Calif. Time release apparatus. 2,004,515; June 11.
Belmann, Wilhelm, Bochum, Germany. Liquid seal for collecting mains of distillation ovens or the like. 2,004,266; June 11.
Belden, James E., et al. (See Rogers, Thomas E., assignor.)
Bell Cap Company. (See Klein, Robert, assignor.)
Bell, Earl E., Brooklyn, N. Y. Swimming glove. 2,004,684; June 11.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, Warren W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hersey, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jones, Edward H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kleinfelder, Walter C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Meacham, Larned A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)
Bendix Products Corporation. (See Heltzer, Frank H., assignor.)
Benham, Wilfrid E. (See Goodchild, F. D., and Benham.)
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting fixture. 2,004,183; June 11.
Benjamin Electric Mfg. Company. (See Banjamin, Reuben B., assignor.)
Benjamin Electric Mfg. Company. (See Fall, Joseph W., assignor.)
Benner, Raymond C., and H. N. Baumann, Jr., assignors to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide refractory. 2,004,594; June 11.
Benner, Raymond C., and H. N. Baumann, Jr., Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y. Making silicon carbide articles and raw batch therefor. 2,004,595; June 11.
Bennett, Thomas R. (See Quick, C. G., Ball, and Bennett.)
Bennett, Thomas S., North Attleboro, Mass. Fastening for jewelry. 2,004,779; June 11.
Benson, Arthur F., Erie, Pa., assignor to American Meter Company, New York, N. Y. Clock. 2,004,909; June 11.
Benzinger, Julius, Queens Village, N. Y., assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 2,004,390; June 11.
Berg, Ernest R. (See Keyeswetter, Irving A., assignor.)
Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Diffusion. 2,004,184; June 11.
Berger Brothers Company. (See Feltman, Howard B., assignor.)
Berlinger, Eric, Waco, Tex. Casting apparatus. 2,004,457; June 11.
Berry, Otto C. (See Dean, E. E., and Berry.)
Berthold, Hermann, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat and sulphur dyestuff preparation for printing cotton. 2,004,458; June 11.
Best, Frank A., East Windsor, Ontario, Canada, assignor to Backstay Welt Company, Union City, Ind. Finishing strip. 2,004,364; June 11.
Best, George W., Reidsville, N. C. Ornamental link receptacle for wrist watch bands and chains. 2,004,685; June 11.
Best Weather Strip Company Limited. (See Main, Daniel T., assignor.)
Blas Buff & Wheel Company, The. (See Yohe, Albert S., assignor.)
Bidwell, Edgar, assignor of one-half to C. Basse, Wichita, Kans. Flash tester for high tension electric currents. 2,004,365; June 11.
Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for manufacturing metal sheets and strips. 2,004,596; June 11.
Bincler, Fritz, Kansas City, Mo. Expanding hair waver rod. 2,004,366; June 11.
Binks Manufacturing Company. (See Wahlin, Fritz, assignor.)
Birch, Samuel McL. (See Oakey, Clarence S., assignor.)
Birchy, Charles, assignor of one-half to Samuel D. Hewlett, Atlanta, Ga. Producing sound absorbing material. 2,004,686; June 11.
Birnstock, William W., York, Pa. Crate. 2,004,847; June 11.
Birtch, Fred E., Detroit, Mich. Oven regulator. 2,004,597; June 11.
Bjornson, Bjorn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 2,004,598; June 11.
Blacher, Benjamin, assignor to Blacher Brothers, Providence, R. I. Frame for bags, purses, and the like. 2,004,185; June 11.
Blacher Brothers. (See Blacher, Benjamin, assignor.)
Blackburn, Daniel M., assignor to Hendrick Manufacturing Company, Carbondale, Pa. Adjustable shaft mounting. 2,004,562; June 11.
Blériot-Aéronautique. (See Antelme, Jean B. S., assignor.)
Blood, George E., assignor to The Foote Company, Inc., Nunda, N. Y. Automatic discharge and water control for concrete pavers. 2,004,234; June 11.
Bloomer Bros. Company. (See Inman, William H., assignor.)
Bludworth, Joseph E. (See Thompson, C. L., Bacon, and Bludworth.)
Blumberg, Julius E., Boston, Mass. Pattern maker's tool. 2,004,499; June 11.
Boaler, William H. (See Welch, S. A., Guyler, Ashby, and Boaler.)
Bodily, Leonard, assignor to King Seeley Corporation, Ann Arbor, Mich. Heat indicator. 2,004,091; June 11.
Bodor, Andrew, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Bottle bottom inserting and spinning mechanism for paper bottle making machines. 2,004,186; June 11.
Boehnke, Charles, Rosemead, Calif. Dinger. 2,004,459; June 11.
Bogoslowsky, Boris, Bridgeport, Conn., assignor, by mesne assignments, to A. C. Dickinson, Fitchburg, Mass. Compressor. 2,004,563; June 11.
Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company, Gascous electric discharge lamp device. 2,004,564; June 11.
Bol, Cornelis, and E. G. Dorgelo, Eindhoven, Netherlands, assignors to General Electric Company, Gascous electric discharge device. 2,004,565; June 11.
Bolster, Ernest L., assignor to Chair Town Manufacturing Co., Gardner, Mass. Securing device for convertible high chairs. 2,004,648; June 11.
Bommer, Emil, Brooklyn, N. Y. Adjustable door support and coupling. 2,004,187; June 11.
Bond, Lee, and L. C. Bond, Brookfield, Mo., assignors to The Davis Company, Omaha, Nebr. Garment stretcher. 2,004,848; June 11.
Bond, Le Roy C. (See Bond, Lee, and C.)
Bonniksen, Cyril W., Slough, assignor to Protectoglass Limited, London, England. Manufacture of safety glass. 2,004,518; June 11.
Bonorden, Allen R. (See Miller, C. G., and Bonorden.)
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,004,427; June 11.
Booth, Clement, and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,004,426; June 11.
Booth, Clement, and S. Einstein, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding workpieces. 2,004,649; June 11.
Bopea, Angela, Peekskill, N. Y. Shoulder strap holder. 2,004,305; June 11.
Borberg, Adolf, Short Hills, N. J., assignor to Dortmund Hoerder Huettenverein Aktiengesellschaft, Dortmund, Germany. Reverse angle interlock piling. 2,004,188; June 11.
Bosch, Robert, Aktiengesellschaft. (See Beer, K., and Pfrommer, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, A., Allendorff, and Schmid, assignors.)
Bosling, Ernest A. (See Bretschger, M. E., and Bosling.)
Boston Wire Stitcher Company. (See Horton, Albert F., assignor.)
Bowles, Edward L., Wellesley Farms, Mass. Electrical system. 2,004,155; June 11.
Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Turtling mechanism for sewing machines. 2,004,687; June 11.
Boyd, Randolph, Galva, Ill. Bed. 2,004,549; June 11.
Boyko, Peter, Bronx, N. Y. Lock. 2,004,746; June 11.
Boysell Company, The. (See Boyce, Erskine E., assignor.)
Brackett, Edward M., D. Dancke, and L. C. Williams, Topeka, Kans., assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Trimming and cutting machine. 2,004,566; June 11.

Bradbury, Clifford C., trustee, et al. (See Stokes, Charles L., assignor.)
Bradley, Francois C., Union, Miss. Electrical connecter. 2,004,550; June 11.
Brainard, Seymour W., Kenmore, N. Y., assignor to Du Pont Rayon Company, New York, N. Y. Apparatus for winding thread on a bobbin. 2,004,153; June 11.
Brandt, Louis G., Portsmouth, assignor to The Multistamp Company, Inc., Norfolk, Va. Stencil sheet and making the same. 2,004,484; June 11.
Brause, Phillip R., West Union, Iowa. Fruit jar tool. 2,004,485; June 11.
Breddin, Paul, and O. Wittmers, Cologne-on-the Rhine, Germany. Mechanism for actuating the slay of weaving looms. 2,004,306; June 11.
Breeze Corporation, Inc. (See Steenson, James H., assignor.)
Breidenbaugh, Christian P. (See Turner, J. F., and Breidenbaugh.)
Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Coin slide. 2,004,189; June 11.
Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Pin ball amusement game. 2,004,190; June 11.
Breth, Walter J., and M. L. Engler, assignor to The General Tire & Rubber Company, Akron, Ohio. Tire building machine. 2,004,886; June 11.
Bretschger, Max E., Buffalo, N. Y., and E. A. Bosing, Long Beach, Calif., assignors to Buffalo Electro Chemical Company, Inc. Treating hydrocarbons. 2,004,849; June 11.
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Brixner, Frederick G., Kansas City, Mo. Chair. 2,004,718; June 11.
Brockstedt, Theophile E., San Francisco, Calif., assignor to Washington Institute of Technology, Inc. Radio steering control. 2,004,460; June 11.
Brockway, Carl P., Ridgewood, assignor to World Bestos Corporation, Paterson, N. J. Method and apparatus for impregnating brake linings. 2,004,267; June 11.
Brown, Walter L., Oakland, Calif. Rotary wood chipping machine. 2,004,367; June 11.
Brown, William, assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Goodyear welting. 2,004,887; June 11.
Bruce, Hope, Washington, D. C. Correspondence sheet. 2,004,688; June 11.
Brumbaugh, Isaac V., St. Louis, Mo. Combinations of enamel and sprayed metal. 2,004,567. June 11.
Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 2,004,719; June 11.
Bruncele, Eugene A., Somersworth, N. H. Cooking machine. 2,004,500; June 11.
Bryant Chucking Grinder Company. (See Arms, M. H., and Johnson, assignors.)
Buckeye Steel Castings Company. (See Johnson, George T., assignor.)
Buckeye Steel Casting Company, The. (See Schrock, Eugene R., assignor.)
Buckeye Steel Castings Company. (See Stertzbach, H. W., McPherson, and Ellander, assignors.)
Budd, Edward G., Manufacturing Company. (See Tarbox, John P., assignor.)
Budd Wheel Company. (See Ragsdale, Earl J. W., assignor.)
Buddeberg, Walter, Zurich, Switzerland, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal machine. 2,004,268; June 11.
Buehner, William F. A., et al. (See Geary, Palmer H., assignor.)
Buffalo Electro-Chemical Company, Inc. (See Bretschger, M. E., and Rosling, assignors.)
Buffalo Steel Company. (See Kibler, William J., assignor.)
Bugatti, Ettore, Molsheim, France. Seat for use in road or rail vehicles. 2,004,850; June 11.
Builders Iron Foundry. (See Smith, Ed S., Jr., assignor.)
Bunker, Sidney W., assignor to Filter Tips Limited, London, England. Manufacture of cigarettes. 2,004,461; June 11.
Burkhard, Heinrich, assignor to Tipp & Co., Nuremberg, Germany. Toy airplane. 2,004,235; June 11.
Burkhardt, Evangeline, New York, N. Y. Powder puff and making the same. 2,004,307; June 11.
Burnell, Albert G. (See Drumm, J. J., and Burnell.)
Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
Bush, Samuel L., Manassas, Va. Adjustable form. 2,004,462; June 11.
Bussmann, Henry T., St. Louis, Mo. Electric fuse. 2,004,191; June 11.
Byers, A. M., Company. (See Story, E. B., and Gross, assignors.)
Cahill, George F., New York, N. Y. Sports arena and the accessories thereto. 2,004,888; June 11.
Cake, Wallace E., Boenet, Arahan, Sumatra, Dutch East Indies, assignor to General Rubber Company, New York, N. Y. Preservation of latex. 2,004,156; June 11.
Canstan Glass Company. (See McNamara, W. L., and Plazzoll, Jr., assignors.)
Carbo Plaster Limited. (See Case, Gerald O., assignor.)
Carborundum Company, The. (See Benner, R. C., and Baumann.)
Carborundum Company, The. (See McMullen, Charles, assignor.)
Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,004,599; June 11.
Carpinello, Michael J., New York, N. Y. Liquid sampling device. 2,004,568; June 11.
Carter Brothers, Incorporated. (See Russell, Julian G., assignor.)
Carter, Loran E., Merrimac, Mass. Brush and stubble cutter. 2,004,100; June 11.
Case, Gerald O., Seven Oaks, assignor by mesne assignments to Carbo Plaster Limited Westminster, England. Production of hydraulic cement. 2,004,463; June 11.
Catarau, Jules, Seattle, Wash. Artificial bait. 2,004,308; June 11.
Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 2,004,236; June 11.
Celander, Philip A., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Compression unit. 2,004,885; June 11.
Celanese Corporation of America. (See Seymour, G. W., and White, assignors.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Welch, S. A., Guyler, Ashby, and Boaler, assignors.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Chair Town Manufacturing Co. (See Bolster, Ernest L., assignor.)
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Chandler & Price Corporation, The. (See Johnson, Lawrence R., assignor.)
Chandler and Price Company, The. (See Young, Edgar J., assignor.)
Chandler & Price Company, The. (See Honigman, Hans, assignor.)
Chaney, John L., Springfield, Ohio. Device for indicating the temperature of liquids. 2,004,092; June 11.
Chaney Manufacturing Company, The. (See Hoeflich, Julius G., assignor.)
Chapman, James F., Upper Darby, and F. E. Dayvs, Philadelphia, Pa., assignors to American Car and Foundry Motors Company, New York, N. Y. Manifold system for internal combustion engines. 2,004,192; June 11.
Chavoor, Ayedis Y., Worcester, Mass. Machine for pressing shoe soles. 2,004,309; June 11.
Cherry, Frank W., Kenilworth, Ill., assignor to Lug-Lox Flooring Company, Board of the tongue and groove type. 2,004,193; June 11.
Cherry, Harold A. (See Shewell, W., and Cherry.)
Chessin, Alexander. (See Trey, S., Howard, and Chessin.)
Chicago Flexible Shaft Company. (See Jeppseon, Ivar, assignor.)
Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Flexible metal ice tray. 2,004,519; June 11.
Chrysler Corporation. (See Diamant, Nicholas S., assignor.)
Churcher, Brian A. G., Bowdon, England, assignor to General Electric Company. Electrical measuring system. 2,004,780; June 11.
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
Cincinnati Grinders Incorporated. (See Booth, C., and Haas, assignors.)
Cinder Chrome Company. (See Hede, Arvid, assignor.)
Citizens National Trust and Savings Bank of Riverside, administrators et al. (See Twomley, Herbert E., assignor.)
Clark, Frank M., and R. A. Ruscetta, Pittsfield, Mass., assignors to General Electric Company. Insulating composition for impregnating electrical tape. 2,004,781; June 11.
Clark, John J., Clinton, Iowa. Toy transportation system. 2,004,915; June 11.
Clarkson, Vincent J., Leeds, England. Machine or apparatus for threading buttons on to a wire or wires or the equivalent. 2,004,464; June 11.
Clary, Loraine M. (See Matthews, E. C., and Clary.)
Clausen, Thorvald T., Seattle, Wash. Helicopter. 2,004,310; June 11.
Cleevely, Harry, Rankin, Pa. Apparatus for diluting gas. 2,004,311; June 11.
Cleveland, Arch R., et al. (See Rogers, Thomas E., assignor.)
Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)
Cohn, Irwin E. (See Zadek, A., and Cohn.)
Cohn, Ralph I., Oceanport, N. J.; now by judicial change of name Ralph Cole. Vacuum tube oscillator. 2,004,101; June 11.
Cole, Ralph (Judicial change of name from Cohn.) (See Cohn, Ralph I.)
Coleman, Walker B., and F. J. Ebel, New Orleans, La. Bank bandit trap. 2,004,551; June 11.
Collings, Lewis D. (See Stewart, Howard R., assignor.)

Collyear, John R., Bushey, and S. L. Bapty, Harlesden, London; said Bapty assignor to T. G. Baxenden, Hertfordshire, England. Free-wheel driving mechanism. 2,004,650; June 11.

Colvin, Fred S., Yakima, and J. V. Rogers, Wenatchee, Wash. assignors to Food Machinery Corporation, San Jose, Calif. Fruit drier. 2,004,289; June 11.

Comeau, Melburn A., Haverhill, Mass. Device for holding wires taut. 2,004,312; June 11.

Compagnie des Forges & Acieries de la Marine et d'Homecourt. (See Daum, Leon, assignor.)

Conklin, John M. Brooklyn, N. Y. Atomizer. 2,004,402; June 11.

Conti, Eugene, Mount Vernon, assignor, by mesne assignments, to Hera Cup Company, Incorporated, New York, N. Y. Dispenser. 2,004,520; June 11.

Continental Can Company. (See Coyle, John, assignor.)

Continental Can Company. (See Punte, William E., assignor.)

Continental Motors Corporation. (See Fink, James O., assignor.)

Continental Motors Corporation. (See Meyer, Andre J., assignor.)

Cook, Harry W., Malta, Ohio. Flushing strip for window frames. 2,004,651; June 11.

Cooney, John T., Los Angeles, Calif. Combination cardboard box opener and spout. 2,004,600; June 11.

Cooper, Simon, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Tea-bag package and carton. 2,004,486; June 11.

Cooper Tea Packet Company. (See Cooper, Simon, assignor.)

Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Resistor grid for electric furnaces. 2,004,851; June 11.

Costello, Joseph A., deceased, Cleveland, Ohio, Thomas A. Costello, executor, assignor to Thomas A. Costello. Window seat. 2,004,237; June 11.

Costello, Thomas A., executor. (See Costello, Joseph A., assignor.)

Cotton-Wood Products, Inc. (See Gerard, George A., assignor.)

Coultas, Wilbur J., and N. F. Andrews, Moline, assignors to Deere & Company, Moline, Ill. Harvester. 2,004,720; June 11.

Coulter, Guy H. (See Arbuckle, S. F., and Coulter.)

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 2,004,852; June 11.

Crane Co. (See Olson, C. A., and Patterson.)

Crary, Palmer H., Cocoanut Grove, assignor of one-third to W. F. A. Buehner, Miami, Fla., and ten per cent to R. A. Wright, Rye, N. Y. Air operated power unit. 2,004,853; June 11.

Crawford, Thomas J. (See Wallen, A. C., and Crawford.)

Crites, Willis L. (See Michels, Charles A., assignor.)

Crockett, William B., Notre Dame de Grace, Quebec, Canada. Pipe flanging machine. 2,004,313; June 11.

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Crompton & Knowles Loom Works. (See Vose, Lewis S., assignor.)

Crossley, Alfred, assignor to Johnson Laboratories, Inc., Chicago, Ill. Radio power supply system. 2,004,368; June 11.

Cunningham, Katherine E., assignor to I. Newman & Sons, Inc., New Haven, Conn. Foundation garment. 2,004,854; June 11.

Curtis, Edward W., Jr., Harrison, assignor to Underwood Elliott Fisher Company, New York, N. Y. Container. 2,004,501; June 11.

D'Agustino, Julius, Detroit, Mich. Toothpick dispenser. 2,004,805; June 11.

Daly, John A., New Rochelle, N. Y. Manufacture of gold inlays. 2,004,747; June 11.

Daneke, Dietrich. (See Brackett, E. M., Daneke, and Williams.)

Dante, Joseph J., Bantam, Conn., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Cartridge fuse extractor. 2,004,314; June 11.

Daum, Leon, assignor of one-half to Schneider & Cie., and one-half to Compagnie des Forges & Acieries de la Marine et d'Homecourt, Paris, France. Ammunition supplying device for pairs of guns mounted in turrets or the like. 2,004,855; June 11.

Daum, Leon, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Ammunition supplying device for pairs of guns mounted in turrets or the like. 2,004,856; June 11.

Davey, Peter, Mount Vernon, assignor to Vibroscope, Inc., New York, N. Y. Stroboscopic apparatus and method. 2,004,270; June 11.

David, William H., Tottenville, Staten Island, N. Y. Adjustable cap visor. 2,004,471; June 11.

Davies, John M., Denver, Colo. Massage apparatus. 2,004,428; June 11.

Davis, Archibald H., Jr., Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Electrometric determinations. 2,004,569; June 11.

Davis Company, The. (See Bond, Lee and LeR. C., assignors.)

Davis & Furber Machine Company. (See Owen, Henry A., assignor.)

Davisson, Delos W., F. G. Welke and A. C. Maynard, assignors to Shell Development Company, San Francisco, Calif. Gas fuel feed device. 2,004,403; June 11.

Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,004,570; June 11.

Day, Leslie G., Taplow, assignor to Magnesium Castings and Products Limited, Slough, England. Melting and/or refining of magnesium and magnesium alloys prior to casting, and flux therefor. 2,004,689; June 11.

Dayes, Frederick E. (See Chapman, J. F., and Dayes.)

Dean, Edward E., and O. C. Berry, assignors to Marvel Carbureter Company, Flint, Mich. Thermostatically and suction controlled mixture temperature device. 2,004,093; June 11.

Dean, Elizabeth J., St. Louis, Mo. Kitchen implement. 2,004,782; June 11.

De Bothezat, George, assignor to American Machine and Metals, Inc., New York, N. Y. Fan. 2,004,571; June 11.

Deere & Company. (See Coultas, W. J., and Andrews, assignors.)

Deere & Company. (See Paul, Talbot W., assignor.)

Deere & Company. (See Thieman, William B., assignor.)

Deere & Company. (See Thomann, Frederick A., assignor.)

DeLacy-Mulhall, Patrick, Los Angeles, Calif. Valve controlling system. 2,004,194; June 11.

Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)

Delta Star Electric Company, The. (See Rah, Joseph, assignor.)

Dempsey, Philip W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Making cylinder packings. 2,004,652; June 11.

Dériaz, William, Geneva, Switzerland. Apparatus for the distribution of heat. 2,004,857; June 11.

Detroit Stoker Company. (See Beers, Royce L., assignor.)

Deulsel, Carl G., assignor to Progressive Service Company, St. Louis, Mo. Prewelt shaping machine. 2,004,195; June 11.

Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Manufacture of finned tubing. 2,004,387; June 11.

Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Manufacture of finned tubing. 2,004,388; June 11.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 2,004,157; June 11.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 2,004,158; June 11.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 2,004,159; June 11.

Dexter Folder Company. (See Brackett, E. M., Daneke, and Williams, assignors.)

Diamant, Nicholas S., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Radiator core. 2,004,890; June 11.

Dickey, Daniel A., Dayton, Ohio. Hollow steel propeller construction. 2,004,102; June 11.

Dickinson, Arnold C. (See Bogoslowsky, Boris, assignor.)

Dietrichs, Charles, assignor to Walker Cement Products, Inc., Little Ferry, N. J. Cement shingle. 2,004,465; June 11.

Dietz, Joseph R., Lansdowne, and H. L. Plummer, Philadelphia, Pa., assignors to T. I. du Pont de Nemours & Company, Wilmington, Del. Abrasive. 2,004,486; June 11.

Dillon, Hugh J., Detroit, Mich. Vehicle. 2,004,748; June 11.

Dillon, Hugh J., Highland Park, Mich. Vehicle. 2,004,749; June 11.

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Shaft bearing. 2,004,783; June 11.

Dorgelo, Edward G. (See Rol, C., and Dorgelo.)

Dorsch, New York, N. Y. Pelvic attachment for artificial legs. 2,004,487; June 11.

Dortmund Hoerder Huettenverein Aktiengesellschaft. (See Borberg, Adolf, assignor.)

Douglas, James K., assignor to The Oilgear Company, Milwaukee, Wis. Speed controller for hydraulic motors. 2,004,522; June 11.

Downing, Frederick B., A. E. Parmelee, and C. J. Pedersen, Carneys Point, N. J., and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetra alkyl lead. 2,004,160; June 11.

Doyle, Frank J. (See Rathbun, W. A., and Doyle.)

Dreyfus, Henry, London, England. Production of artificial filaments, threads, ribbons, films, and the like 2,004,271; June 11.

Dreyfus, Henry, London, England. Production of artificial products. 2,004,272; June 11.

Dreyfus, Henry, London, England. Production of cellulose derivative products. 2,004,273; June 11.

Dreyfus, Henry, London, England. Manufacture or treatment of artificial materials. 2,004,274; June 11.

Drumm, James J., and A. G. Burnell, Inchicore, Dublin, assignors to Drumm Battery Company Limited, Dublin, Ireland. Electric storage battery. 2,004,552; June 11.

Drumm Battery Company Limited. (See Drumm, J. J., and Burnell, assignors.)

Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 2,004,190; June 11.

Du Pont, E. I., de Nemours & Company. (See Dietz, J. R., and Plummer, assignors.)

Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Parmelee, Pedersen and Stecher, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gilbert, H. N., and Reichert, assignors.)

Du Pont, E. I., de Nemours & Company. (See Izard, E. F., and Salzberg, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lubs, Herbert A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Strouse, assignors.)

Du Pont, E. I., de Nemours & Company. (See Magill, Paul La F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Pranke, Edward J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Richardson, Roger W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)

Du Pont, E. I., de Nemours & Company, et al. (See Tilley, J. N., and Whitehead, assignors.)

Du Pont Rayon Company. (See Brainard, Seymour W., assignor.)

Du Pont Rayon Company. (See Gladding, E. K., and Evans, assignors.)

Duval, Edward A., Easthampton, Mass. Battery clamp device. 2,004,653; June 11.

Dye, Glen M. (See Rouch, J. W., and Dye.)

E. A. Laboratories, Inc. (See Angstman, Roger W., assignor.)

Eager, Wesley W., Los Angeles, and C. A. Tierney, San Marino, Calif. Door locking and operating device. 2,004,429; June 11.

Ebel, Frank J. (See Coleman, W. B., and Ebel.)

Eckhard, John, Cincinnati, Ohio. Clutch device for variable speed transmission mechanism. 2,004,750; June 11.

Eclipse Machine Company. (See Wertz, Daniel L., assignor.)

Eclipse Machine Company. (See Whitney, Maurice P., assignor.)

Een, Johannes B., Oslo, Norway. Armed wooden plate and armature bar for the same. 2,004,553; June 11.

Einstein, Sol. (See Booth, C., and Einstein.)

Eitzen, August D., Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,004,103; June 11.

Electric Furnace Company, The. (See Cope, Frank T., assignor.)

Electric Household Utilities Corporation. (See Hume, J. T., and Hart, assignors.)

Electro Metallurgical Company. (See Becket, Frederick M., assignor.)

Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope illuminator. 2,004,806; June 11.

Engler, Max L. (See Breth, W. J., and Engler.)

Erb, George C., Forest Hills, West, assignor to American Can Company, New York, N. Y. Container. 2,004,104; June 11.

Ethridge, Albert S., assignor to Hummel & Downing Co., Milwaukee, Wis. Box structure. 2,004,197; June 11.

Etheridge, Harry, Zelienople Borough, Pa. Railway track structure. 2,004,369; June 11.

Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation. Heater for laundry ironers. 2,004,430; June 11.

Evans, Bernard C., Fort Wayne, Ind., assignor to General Electric Company. Bushing. 2,004,784; June 11.

Evans, David F. (See Gladding, E. K., and Evans.)

Ewest, Hans. (See Pirani, M. Ewest, and Gaidies.)

Faccini, Enrique J., and J. Capra, Buenos Ayres, Argentina. Apparatus for burning heavy fuel oils. 2,004,275; June 11.

Fall, Joseph W., Evanston, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Roof construction. 2,004,198; June 11.

Fanfarillo, Cesare, Glassboro, N. J. Pan for cement mixers. 2,004,276; June 11.

Farabough, George M., Rogers, Ark. Potato cutter. 2,004,858; June 11.

Farbenindustrie Aktiengesellschaft. (See Fick, Reinhold, assignor.)

Farese, Joseph. (See Simister, Louis W., assignor.)

Farish, Robert E., Jr., Columbus, Ga. Electrical connecter. 2,004,105; June 11.

Farley, Lyle T., Norwich, N. Y. Automobile surface sander. 2,004,859; June 11.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,004,654; June 11.

Farmer, Clyde C., Pittsburgh, and R. E. Miller, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Remote controlled brake. 2,004,655; June 11.

Fassin, Gustave, Iroudequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photo-micrographic apparatus. 2,004,807; June 11.

Fausel, Charles A., Glenridge, N. J. Dispensing valve. 2,004,161; June 11.

Fenn, William, assignor to T. R. McDonald, Columbus, Ohio. Packing liner. 2,004,315; June 11.

Feltman, Howard B., Wyncote, assignor to Berger Brothers Company, Philadelphia, Pa. Gutter hanger. 2,004,861; June 11.

Ferrari, Abele, M. Scallone and C. Rafanelli, Healdsburg, Calif. Bung faucet. 2,004,860; June 11.

Fibreboard Products Inc. (See Ford, G. F., and Pittman, assignors.)

Fick, Reinhold, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Aminocarboxylic acids and salts thereof. 2,004,523; June 11.

Fieberling, Charles A., Oakland, Calif., assignor of one-half to J. H. Kimball, Berkeley, Calif. Overflow detector. 2,004,502; June 11.

Fieldman, Michael, Philadelphia, Pa., assignor to Houde Engineering Corporation, Buffalo, N. Y. Inertia controlled hydraulic shock absorber. 2,004,910; June 11.

Fieldman, Michael, Chicago, Ill., assignor to House Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,911; June 11.

Filander, Arthur H. (See Stertzbach, H. W., McPherson, and Filander.)

Fildes, Frederick K. (See Hankins, F. W., and Fildes.)

Filoon, V. & F. W., Company. (See Kent, Everett E., assignor.)

Filter Tips Limited. (See Bunker, Sidney W., assignor.)

Fink, James O., assignor to Continental Motors Corporation, Detroit, Mich. Ejector. 2,004,277; June 11.

First National Institute of Violin. (See Westman, William W., assignor.)

Fischer, H. G., & Company. (See Fischer, H. G., Musket and Richardson, assignors.)

Fischer, Herbert G. M., Westfield, N. J., and C. E. Gustafson, Elizabeth, N. J., assignors to Standard Oil Development Company. Hydrocarbon oil and making the same. 2,004,094; June 11.

Fischer, Herman G., P. P. Musket and D. E. Richardson, assignors to H. G. Fischer & Company, Chicago, Ill. Low voltage generator. 2,004,751; June 11.

Fish Net and Twine Co., The. (See Lichtenstein, Valentine, assignor.)

Fitch, William H., Plainfield, N. J. Recuperator for open hearth furnaces. 2,004,916; June 11.

Fithian, Lon, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Leveling and adjusting block. 2,004,238; June 11.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Clutch mechanism for engine starters. 2,004,431; June 11.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,004,432; June 11.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,004,433; June 11.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,004,434; June 11.

Fleetwood Craftsman, Inc. (See Waters, W. H., and Kern, assignors.)

Flynn & Emrich Company. (See Turner, J. F., and Breidenbaugh, assignors.)

Foeckler, John P., Sr., Milwaukee, Wis. Household tool. 2,004,524; June 11.

Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,004,601; June 11.

Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Combined work holder and clamp. 2,004,602; June 11.

Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Gauge plate construction. 2,004,603; June 11.

Folsom, Edward C., Toledo, Ohio, assignor, by mesne assignments, to The American Brake Shoe and Foundry Company. Brake shoe. 2,004,278; June 11.

Fonville, John L., Burlington, N. C., assignor to King Cotton Mills Corporation, Richmond, Va. Stocking. 2,004,656; June 11.

Fonyo, Aladar, Chicago, Ill. Bottle closure. 2,004,690; June 11.

Food Machinery Corporation. (See Colin, F. S., and Rogers, assignors.)

Foote Company, The. (See Blood, George E., assignor.)

Foote, Wayland L., Griffin, Ga. Fishhook. 2,004,316; June 11.

Ford, George F., Los Angeles, and W. F. Pittman, Huntington Park, Calif., assignors to Fibreboard Products Inc., San Francisco, Calif. Box making machine. 2,004,604; June 11.

Förster, Arthur, assignor to Luftschiffbau Zeppelin Gesellschaft mit Beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Bracing the circumference of gas-inflated rigid airships. 2,004,785; June 11.

Forster, Thomas L., Berkeley, Calif. Gas burner. 2,004,317; June 11.

Frottinger, Hermann, Berlin-Wilmersdorf, Germany. Fluid driven and driving apparatus. 2,004,279; June 11.

Fox, Merritt L., Buffalo, N. Y., and F. E. Ullery, South Bend, Ind.; said Fox assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,752; June 11.

Franklin Needle Company. (See Roy, Edmond O., assignor.)

Franklin Process Company. (See Trayer, William A., assignor.)
Friedrich, George E., San Antonio, assignor to Edward Friedrich, San Antonio, Texas. Florist's refrigerator. 2,004,691; June 11.
Friedrich, Edward. (See Friedrich, George E., assignor.)
Friedrich, George E., assignor to Edward Friedrich, San Antonio, Texas. Refrigerator. 2,004,692; June 11.
Fuller, Emil E., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle. 2,004,721; June 11.
Furness, William H., Riverton, assignor to American Rayon Company, Inc., Riverton, N. J. Power transmission. 2,004,572; June 11.
Galdies, Georg. (See Pirani, M., Ewest, and Galdies.)
Gallagher, John P., Jersey City, N. J. Pressed steel car end. 2,004,199; June 11.
Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Diagnostic instrument. 2,004,808; June 11.
Galley, Ernest V. (See Galley, John A. and E. V.)
Galley, John A., Edgecliff, New South Wales, and E. V. Galley, Milsons Point, North Sydney, New South Wales, Australia. Pea sheller. 2,004,573; June 11.
Galvin Manufacturing Corporation. (See Mitchell, Donald B., assignor.)
Capra, José. (See Faccini, E. J., and Capra.)
Garey, Raymond M. (See Henwood, A., and Garey.)
Gasoline Antioxidant Company. (See Wilson, Robert E., assignor.)
Gaspar, Béla, Berlin, Germany. Producing photographic dyestuff images. 2,004,625; June 11.
Gasswint, Charles W., Mason City, Iowa. Awning fastening device. 2,004,862; June 11.
Gast, Richard. (See Schindhelm, H., and Gast.)
Gaston, George H., Houston, Tex. Seat or cushion. 2,004,106; June 11.
Gaus, George E., Washington, D. C., assignor to the free use of the Public. Staff holder. 2,004,786; June 11.
Geary, Francis E., et al. (See Quisenberry, Frank R., assignor.)
Gee, William Oliver, Jr., Chicago, Ill. Spray gun reservoir. 2,004,574; June 11.
Geigy, Wilhelm. (See Barz, F., Landolt, Geigy, Kaegi, and Graenacher.)
Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
General Aniline Works, Inc. (See Berthold, Hermann, assignor.)
General Aniline Works, Inc. (See Schimmelschmidt, K., and Thomae, assignors.)
General Aniline Works, Inc. (See Schindhelm, H., and Gast, assignors.)
General Cable Corporation. (See Palmer, Dwight R. G., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Bassler, Kurt, assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Bol, Cornelis, assignor.)
General Electric Company. (See Bol, C., and Dorgelo, assignors.)
General Electric Company. (See Churcher, Brian A. G., assignor.)
General Electric Company. (See Clark, F. M., and Ruscetta, assignors.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Evans, Bernard C., assignor.)
General Electric Company. (See Gillette, Robert T., assignor.)
General Electric Company. (See Hehlgans, Friedrich W., assignor.)
General Electric Company. (See Lems, Hendrick, assignor.)
General Electric Company. (See McCarty, Orin P., assignor.)
General Electric Company. (See Pirani, M., Ewest, and Galdies, assignors.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Samuels, Raemon C., assignor.)
General Electric Company. (See Setter, Joseph A., assignor.)
General Electric Company. (See Shanklin, George B., assignor.)
General Electric Company. (See Stevenson, Alexander R., assignor.)
General Electric Company. (See Valentine, Irving R., assignor.)
General Motors Corporation. (See Chilton, Ralph H., assignor.)
General Motors Corporation. (See Geyer H. D., and Sampson, assignors.)
General Motors Corporation. (See Mapes, Clyde W., assignor.)
General Motors Corporation. (See Rossman, Edwin F., assignor.)
General Motors Corporation. (See Shoemaker, Harvy B., assignor.)
General Motors Corporation. (See Taub, Alex, assignor.)
General Motors Corporation. (See Waterbury, Ronald J., assignor.)
General Rubber Company. (See Cake, Wallace E., assignor.)
General Tire & Rubber Company, The. (See Breth, W. J., and Engler, assignors.)
Gerard, George A., assignor to Cotton-Wood Products, Inc., Reading, Mass. Method and apparatus for making sealed pads. 2,004,657; June 11.
Gerard, George A., assignor to Cotton-Wood Products, Inc., Reading, Mass. Method and machine for making cushion pads. 2,004,658; June 11.
Geyer, Harvey D., and F. W. Sampson, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Freezing tray. 2,004,525; June 11.
Gibson, Harvey C., Columbia, Pa. Confection. 2,004,863; June 11.
Gifford-Wood Company. (See Towne, Willis H., assignor.)
Gilbert, Edward L., Fort Bayard, New Mex. Single sleeve valve engine. 2,004,693; June 11.
Gilbert, Harvey N., and J. S. Reichert, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Stabilizing hydrogen peroxide solutions with pyrophosphoric acid plus a tin compound. 2,004,809; June 11.
Gillet, James M., Evanston, Ill., assignor to Victor Chemical Works. Treating water. 2,004,694; June 11.
Gillette, Robert T., Scotia, N. Y., assignor to General Electric Company. Mandrel. 2,004,787; June 11.
Girdler Corporation, The. (See Luening, Eugene G., assignor.)
Gladding, Ernest K., and D. F. Evans, Buffalo, assignors to Du Pont Rayon Company, New York, N. Y. Bobbin traverse motion. 2,004,162; June 11.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Goddu, George, deceased, Winchester, Mass., by Isabelle W. Goddu, executrix, Winchester, assignor to The Litttleway Process Company, Boston, Mass. Holding shoe uppers in lasted position. 2,004,239; June 11.
Goddu, Isabelle W., executrix. (See Goddu, George.)
Goldberg, Samuel D., assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Anaesthetic composition. 2,004,891; June 11.
Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Radio receiving system. 2,004,107; June 11.
Goodchild, Frank D., and W. E. Benham, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Electron discharge tube. 2,004,605; June 11.
Goodlin, Carl L., Wilkinsburg, and T. J. O'Meara, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Lamp socket adapter. 2,004,200; June 11.
Goodlin, Carl L., Wilkinsburg, and T. J. O'Meara, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Lamp socket adapter. 2,004,201; June 11.
Goodrich, B. F. Company, The. (See Homeier, Otto F., assignor.)
Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
Goodrich, B. F., Company, The. (See Moffitt, Lucian Q., assignor.)
Goodrich, J. D., et al. (See Silber, T. J., assignor.)
Government and the People of the United States, Dedicated to the free use of the. (See Green, Edmund L., assignor.)
Grady, Charles B., West Orange, N. J. Gas treating apparatus. 2,004,108; June 11.
Graeber, Jacob F., Norristown, Pa., assignor to The National Tag Manufacturing Corporation, New York, N. Y. Ticket-stringing apparatus. 2,004,163; June 11.
Graenacher, Charles. (See Barz, F., Landolt, Geigy, Kaegi, and Graenacher.)
Graenacher, Charles, Basel, and F. Ackermann, Bluingen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Imidazole derivatives, useful especially as textile assistants and making same. 2,004,864; June 11.
Grammes, L. F. & Sons, Inc. (See Price, Wilbur F., assignor.)
Grasehy, Robert C., New Malden, England. Prepayment meter mechanism. 2,004,526; June 11.
Gratzmüller, Louis R. E., Paris, France. Electric traction. 2,004,240; June 11.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Combination cutting and grinding mill. 2,004,753; June 11.
Green, Edmund L., Washington, D. C., dedicated to the free use of the Government and the People of the United States. Spray material. 2,004,788; June 11.
Green, Edmund L., Washington, D. C., dedicated to the free use of the Government and the People of the United States. Active or toxic spray material. 2,004,789; June 11.
Greve, Norman A. (See Greve, Robert L., assignor.)
Greve, Robert L., Pasadena, assignor of one-half to N. A. Greve, Wilmar, Calif. Rafter marking apparatus. 2,004,318; June 11.
Grieshaber, William A., Riverside, Calif. Pneumatic tire. 2,004,892; June 11.

Griscom-Russell Company, The. (See Benzinger, Julius, assignor.)
Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)
Griscom-Russell Company, The. (See Jones, Russell C., assignor.)
Griscom-Russell Company, The. (See Price, J., and Jones, assignors.)
Grison, Joseph, Braintree, Mass. Exhaust gas purifier for vehicles. 2,004,865; June 11.
Groch, Robert D., Sacramento, Calif. Table fork 2,004,659; June 11.
Gross, Charles E. (See Story, E. B., and Gross.)
Gumpper, Harold D., Detroit, Mich. Speed governor for gas electric power units. 2,004,404; June 11.
Gumpper, Harold D., Detroit, Mich. Unit electric power generating plant. 2,004,405; June 11.
Gustafson, Clifford E. (See Fischer, H. G. M., and Gustafson.)
Guyler, Albert F. (See Welch, S. A., Guyler, Ashby, and Boaler.)
Haas, Frederick S. (See Booth, C., and Haas.)
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 2,004,109; June 11.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Centrifugal fluid moving apparatus. 2,004,516; June 11.
Hager, Fritz, Berlin, Germany. Hanger for cables of overhead lines. 2,004,695; June 11.
Haldeman, James F., Bloomfield, Ind. Submersible pump and electric motor unit. 2,004,866; June 11.
Hall, Ferguson, Shenandoah, Iowa. Controlling system for sound recording devices. 2,004,803; June 11.
Hall, Virgil. (See Trotter, J. L., and Hall.)
Halliburton, Erle P., Los Angeles, Calif. Cementing wells. 2,004,606; June 11.
Hamilton, Benjamin W., Great Falls, Mont., assignor to S. L. Kerr. Power control system. 2,004,478; June 11.
Hamilton, Eugene R., Boston, Mass. Educational map. 2,004,241; June 11.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Weather strip. 2,004,722; June 11.
Handley, William C., Chicago, Ill. Waterproof watch. 2,004,280; June 11.
Hankins, Frederick W., Philadelphia, and F. K. Fibles, Altoona, Pa. Container transfer apparatus. 2,004,095; June 11.
Hanlon-Buchanan, Inc. (See Thompson, C. L., Bacon, and Rhodworth, assignors.)
Hann, George L., Staten Island, N. Y., assignor to United States Gypsum Company, Chicago, Ill. Packaging sheet materials. 2,004,626; June 11.
Hansen, Conrad T., Rywood, Pa., assignor, by mesne assignments, to The E. F. Hauserman Company. Wall and post construction. 2,004,319; June 11.
Hanson, Gustaf S., Montclair, N. J. Paint brush protector. 2,004,320; June 11.
Hart, Harold L. (See Hume, J. T., and Hart.)
Hartford Products Corporation. (See Wolcott, Frank E., assignor.)
Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)
Harvey, Douglas J., Nutley, N. J. Buckle. 2,004,406; June 11.
Harvey, Frank, Covington, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical conducting system. 2,004,527; June 11.
Harvey, Harold C., Trenton, N. J. Composite flooring material. 2,004,723; June 11.
Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Adhesive. 2,004,370; June 11.
Harvey, Theodore C., Philadelphia, Pa. Dump wagon. 2,004,754; June 11.
Harvey, Theodore C., Philadelphia, Pa. Dump wagon. 2,004,755; June 11.
Hauserman, E. F., Company, The. (See Hansen, Conrad T., assignor.)
Hawkins, William F. (See Quinn, F. P., Horrobin, and Hawkins.)
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Scrubber. 2,004,467; June 11.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Centrifugal separator. 2,004,468; June 11.
Hay, Walter, Sandusky, Ohio. Universal joint chain. 2,004,321; June 11.
Hazel-Atlas Glass Company. (See Fithian, Lon, assignor.)
Hazel-Atlas Glass Company. (See Schwab, John C. E., assignor.)
Head, Percy H., Attenborough, assignor to Netal Products Limited, Long Eaton, near Nottingham, England. Porous rubberized fabric and producing same. 2,004,110; June 11.
Heald Machine Company, The. (See Booth, C., and Einstein, assignors.)
Heath, Albert, assignor to R. F. Weisbrenner, Chicago, Ill. Table construction. 2,004,696; June 11.
Henulme, Henri, Paris, France. Apparatus for presenting advertisement-pictures and others. 2,004,111; June 11.
Hede, Arvid, assignor to Cinder Chrome Company, Detroit, Mich. Cinder chrome building unit. 2,004,323; June 11.
Hedlund, John E., St. Paul, assignor of one-half to E. S. Leighton, Minneapolis, Minn. Safety razor. 2,004,322; June 11.
Hedlund, Oscar, Battle Creek, assignor to Wilcox-Rich Corporation, Detroit, Mich. Making valves. 2,004,528; June 11.
Hedman, Erik G., Buffalo, N. Y. Weighing scale. 2,004,696; June 11.
Heeren, Reinhard L., Brooklyn, N. Y. Automatic tuning device. 2,004,324; June 11.
Hehlgans, Friedrich W., Berlin-Helmsdorf, Germany, assignor to General Electric Company. Electron discharge device. 2,004,790; June 11.
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Heinel, Amy B. (See Heinel, Howard C., assignor.)
Heinel, Howard C., assignor to Amy B. Heinel, Philadelphia, Pa. Revoluble valve for internal combustion engines. 2,004,912; June 11.
Heitger, Frank H., deceased, Flint, Mich., M. G. Heitger, administratrix, assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,004,242; June 11.
Heitger, Mattie G., administratrix. (See Heitger, Frank H., assignor.)
Hemb, Harold B., Wilmette, Ill. Container closure. 2,004,407; June 11.
Hendrick Manufacturing Company. (See Blackburn, Daniel M., assignor.)
Hene, Emil, Berlin, assignor to Rudolph Koepp & Co., Chem. Fabrik A. G., Oestrich, Germany. Making potassium oxalate. 2,004,867; June 11.
Henkel, Erich, Calumet City, Ill., A. Williams, Hammond, Ind., and R. M. Ostermann, Kenilworth, Ill., assignors to The Superheater Company, New York, N. Y. Injector. 2,004,281; June 11.
Henwood, Abraham, Cynwyd, and R. M. Garey, Willow Grove, Pa. Apparatus for use in chemical digestions. 2,004,868; June 11.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 2,004,607; June 11.
Herz Cup Company. (See Conti, Eugene, assignor.)
Herzog, Erwin P., St. Louis, Mo. Measuring instrument. 2,004,724; June 11.
Hess, Margaret, Morocco, Ind. Spoon. 2,004,756; June 11.
Hewlett, Samuel D. (See Birchy, Charles, assignor.)
Hiller, Stanley, Berkeley, assignor to Stanley Hiller, Incorporated, San Francisco, Calif. Apparatus for expressing liquids. 2,004,408; June 11.
Hiller, Stanley, Incorporated. (See Hiller, Stanley, assignor.)
Hillier, Harold, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Liquid level regulator. 2,004,529; June 11.
Hines, James F., assignor to R. J. Hines, Lakewood, Ohio. Making hinges. 2,004,810; June 11.
Hines, Russell J. (See Hines, James F., assignor.)
Hixon Electric Co. (See MacNaught, Malcolm S., assignor.)
Hloch, Albert, Lichterfelde, near Berlin, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Operating breathing apparatus. 2,004,243; June 11.
Hoe, R., & Co. (See Quick, C. G., Ball, and Bennett, assignors.)
Hoeflich, Julius G., assignor to The Chancy Manufacturing Company, Springfield, Ohio. Self-supporting thermometer. 2,004,627; June 11.
Hofmann, Otto, Karlsbad, Czechoslovakia. Producing containers. 2,004,164; June 11.
Hogg, John W., Llanerch, Pa. Charge forming device. 2,004,869; June 11.
Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,004,244; June 11.
Hollingshead, Arthur G., and C. W. Ploen, assignors to The Okadee Company, Inc., Chicago, Ill. Automatic cylinder cock with relief valve. 2,004,097; June 11.
Holtzer-Cabot Electric Company, The. (See Baker, Randall B., assignor.)
Homeier, Otto F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tool for preparing laminated fabrics for splicing. 2,004,517; June 11.
Honigman, Hans, East Cleveland, assignor to The Chandler & Price Company, Cleveland, Ohio. Platen printing press. 2,004,149; June 11.
Hood Rubber Company. (See Lussier, Joseph A., assignor.)
Hoover Company, The. (See White, Harry R., assignor.)
Hopkins, Burward K., Peoria, Ill. Apparatus and method for forming screen from wire. 2,004,409; June 11.
Hopkins, Edwin, New York, N. Y. Teleticket system. 2,004,112; June 11.
Horak, Julius J. (See Quandt, H. L., and Horak.)
Horrobin, William. (See Quinn, F. P., Horrobin, and Hawkins.)
Horton, Albert F., Cranston, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Tag printing and stapling machine. 2,004,202; June 11.

Horton, Allen A., Plymouth, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich. Driving mechanism for calculating machines. 2,004,282; June 11.

Horton, George T., Chicago, Ill. Tank. 2,004,113; June 11.

Houch, John W., and G. M. Dye, assignors to Pako Corporation, Minneapolis, Minn. Apparatus for handling articles through treating liquids. 2,004,410; June 11.

Houde Engineering Corporation. (See Fieldman, Michael, assignor.)

Houde Engineering Corporation. (See Fox, M. L., assignor, and Ullery.)

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Houde Engineering Corporation. (See Peo, R. F., and Lautz, assignors.)

Houde Engineering Corporation. (See Peo, R. F., and Sullivan, assignors.)

Hounsfield, Leslie H., London, England. Material strength testing machine. 2,004,660; June 11.

Howard, William. (See Trey, S., Howard, and Chessin.)

Howe, Charles W., Milwaukee, Wis., and J. A. Nevin, Wichita, Kans., said Howe assignor to said Nevin. Apparatus and method for forming edible receptacles. 2,004,530; June 11.

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Reel. 2,004,608; June 11.

Howell, James W., Chickasha, Okla. Spout for hose nozzles. 2,004,203; June 11.

Hruza, Frank J., Cicero, Ill. Spring structure. 2,004,657; June 11.

Hubbell, Harvey, Jr., Bridgeport, Conn. Magnet controlled switch. 2,004,114; June 11.

Hubbell, Harvey, Incorporated. (See Von Holtz, Charles T., assignor.)

Hughes, Grover A., assignor to Truscon Steel Company, Youngstown, Ohio. Structural beam. 2,004,894; June 11.

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Control apparatus for refrigeration machines. 2,004,503; June 11.

Hume, John T., Chicago, and H. L. Hart, River Forest, assignors to Electric Household Utilities Corporation, Cicero, Ill. Ironing machine. 2,004,165; June 11.

Hummel & Downing Co. (See Ethridge, Albert S., assignor.)

Hummel & Downing Co. (See Ratcliff, Arthur, assignor.)

Hurd, Norman B., Newington, assignor to The American Hardware Corporation, New Britain, Conn. Panic bolt. 2,004,811; June 11.

Hurt, Arthur J., Denver, Colo. Fixture for turning or grinding ovals. 2,004,283; June 11.

I. G. Farbenindustrie Aktiengesellschaft. (See Hoch, Albert, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mueller Conradi, M., and Ober, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Müller, C., Schlecht, and Keunecke, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wolf, H., Leuchs, and Saenger, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wulff, C., and Boell, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wulff, C., Nicodemus, and Treppenhauer, assignors.)

Ibañes, Francisco R., Mexico City, Mexico. Elastic coupling to substitute an internal gear. 2,004,325; June 11.

Imperial Chemical Industries Limited. (See Palmer, Keith W., assignor.)

Industrial Patents Corporation. (See Ingram, R. L., and Adler, assignors.)

Ingram, Robert L., and H. P. Adler, assignors to Industrial Patents Corporation, Chicago, Ill. Meat holder. 2,004,757; June 11.

Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Article holder. 2,004,326; June 11.

Innes, Robert, Coldbrook, Nova Scotia, Canada. Blotting attachment for pens. 2,004,870; June 11.

Iris-Licht G. m. b. H. (See Lebedenko, N., Levy, and Zeitlin, assignors.)

Irving Trust Company, receiver. (See Quick, C. G., Ball, and Bennett, assignors.)

Iversen, Lorenz, Pittsburgh, assignor to Master Machine Company, Homestead, Pa. Feeding and shearing mechanism. 2,004,871; June 11.

Ivy, James P. (See Allison, J. J., and Ivy.)

Izard, Emmette F., Elsmere, and P. L. Salzberg, assignors to E. I. duPont de Nemours & Company, Wilmington, Del. Levulinic acid esters and their preparation. 2,004,115; June 11.

Jackson, Oscar W., Rockville Center, N. Y. Reenforcement for mats. 2,004,204; June 11.

Jacobs Bros. Co. Inc., The. (See Walker, Harold L., assignor.)

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,004,435; June 11.

Jaeger, Alphons O., Mt. Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, Matoh. 2,004,436; June 11.

Jaeger, Alphons O., Crafton, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, Catalytic apparatus. 2,004,758; June 11.

Janesick, Albert, Detroit, Mich. Steam pressure atomizer. 2,004,371; June 11.

Jardine, Frank, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston sand core. 2,004,661; June 11.

Jennings, George H., Elmwood, East Bridgewater, Mass. Welting and producing it. 2,004,116; June 11.

Jennings, George H., Elmwood, East Bridgewater, Mass. Welting and producing welting. 2,004,117; June 11.

Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Freezer power attachment. 2,004,245; June 11.

Jester, Alfred T., Houston, Tex. Ringing repeater. 2,004,759; June 11.

Johansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Switch and fuse mechanism. 2,004,327; June 11.

Johansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Fuse mechanism. 2,004,328; June 11.

Johansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Switch for electric meters. 2,004,329; June 11.

Johnson, Edward S., Seven Mile, Ohio. Gas tank alarm. 2,004,872; June 11.

Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car construction. 2,004,330; June 11.

Johnson, Gustave T. (See White, C. L., and Johnson.)

Johnson, Joseph B. (See Arms, M. H., and Johnson.)

Johnson Laboratories, Inc. (See Crossley, Alfred, assignor.)

Johnson, Lawrence R., assignor to The Chandler & Price Company, Cleveland, Ohio. Platen printing press. 2,004,812; June 11.

Johnson, Oscar L., assignor, by mesne assignments, of one-half to Lug-Lox Flooring Company, and one-half to Leon F. Urbain, Chicago, Ill. Attaching floor boards. 2,004,917; June 11.

Johnson, Reginald H., Maplewood, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Felt punching loom. 2,004,725; June 11.

Johnston, Harry, Detroit, Mich. Tennis racket. 2,004,669; June 11.

Jones, Edward H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical apparatus. 2,004,610; June 11.

Jones, James E., Richmond, Ind. Fuel stoker. 2,004,813; June 11.

Jones, Russell C. (See Price, J., and Jones.)

Jones, Russell C., Bronxville, assignor to The Griscom Russell Company, New York, N. Y. Manufacture of finned tubing. 2,004,389; June 11.

Jonitz, Georgina F., Washington, D. C. Receptacle closure. 2,004,698; June 11.

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Truck trailer combination. 2,004,437; June 11.

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Transportation of automobiles. 2,004,438; June 11.

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Automobile loading and carrying means. 2,004,439; June 11.

Junkers, Hugo, Dessau, and H. Wigge, Koethen, Germany. Measuring the distance of an aircraft from ground. 2,004,662; June 11.

Kaegi, Hans. (See Barz, F., Landolt, Geigy, Kaegi, and Graenacher.)

Kägi, Emil, assignor to firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Compressor. 2,004,726; June 11.

Kaiser, Wilhelm J. (See Kirstahler, A., and Kaiser.)

Kirstahler, Alfred, Duesseldorf, and W. J. Kaiser, Duesseldorf-Benrath, Germany. Thiosulphate esters and their production. 2,004,873; June 11.

Kartizky, John. (See Pleister, H. W., and Kartizky.)

Kaselitz, Oskar, Berlin, Germany. Utilizing the nitrogen in nitrosyl chloride. 2,004,663; June 11.

Kazenmaier, August, F. Allendorff, and A. Schmid, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Packing arrangement for electrical machines. 2,004,440; June 11.

Kearney, Edward J., Wauwatosa, and F. A. Parsons and J. B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Milling machine organization. 2,004,441; June 11.

Kearney & Trecker Corporation. (See Kearney, E. J., Parsons, and Armitage, assignors.)

Keen, Charles R., and C. F. Moore, San Diego, Calif. Carbon removing composition. 2,004,628; June 11.

Keller, Walter E., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 2,004,727; June 11.

Kellerth, Carl W., Rockford, Ill. Garment hanger. 2,004,284; June 11.

Kelley, John E., Larchmont, N. Y. Drier. 2,004,488; June 11.

Kendall Company, The. (See Meagher, Glenn B., assignor.)

Kennedy, Donald S., Longparish, Hampshire, England. Pulley drum for motor vehicles. 2,004,554; June 11.

Kent, Everett E., Newton, assignor to V. & E. W. Filoon Company, Brockton, Mass. Welting and producing welting. 2,004,118; June 11.

Kent, James W., Brooklyn, and E. P. Peters, Richmond Hill, N. Y. Paint can accessory. 2,004,285; June 11.

Kern, Jacob S., et al. (See Waters, W. H., and Kern.)

Kernin, Alfred G., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Smelting furnace for black liquor. 2,004,205; June 11.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 2,004,895; June 11.

Kerr, S. Logan. (See Hamilton, Benjamin W., assignor.)

Kershaw, Henry, assignor to Sovereign Machinery Company, Newark, N. J. Producing radio tube grids. 2,004,246; June 11.

Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Extendible clasp or connecting device for straps, bands, and bracelets. 2,004,206; June 11.

Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)

Ketner, William H., Broomfield, Colo. Hack saw frame and guide. 2,004,286; June 11.

Keunecke, Emil. (See Müller, C., Schlecht, and Keunecke.)

Keyeswetter, Irving A., Berwyn, assignor of one-half to Ernest R. Berg, Cicero, Ill. Roof and side covering for buildings. 2,004,575; June 11.

Kibler, William J., assignor to Buffalo Steel Company, Tonawanda, N. Y. Fence post. 2,004,629; June 11.

Kiesecker, Jules P., New York, N. Y. Furniture. 2,004,287; June 11.

Kimball, John H. (See Fiederling, Charles A., assignor.)

King Cotton Mills Corporation. (See Fonville, John L., assignor.)

King, Lindsey. (See Siebert, S. R., and King.)

King-Seeley Corporation. (See Boddy, Leonard, assignor.)

Kinsley, Reginald P. (See Becker, F. W., and Kinsley.)

Kirsch, John, Milwaukee, Wis. Applicator roll. 2,004,576; June 11.

Kleinfelder, Walter C., Rosebank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flow indicator. 2,004,611; June 11.

Klein, Harry H., New York, N. Y. Hair curler. 2,004,760; June 11.

Klein, Robert, Brooklyn, assignor to Bell Cap Company, New York, N. Y. Ventilated engineer's cap. 2,004,913; June 11.

Kleinmann, Ernst, and A. Mendel, Berlin-Lichtenberg, Germany. Method and apparatus for the manufacture of electrical contact plugs. 2,004,555; June 11.

Knobel, Max, Arlington, Mass. Clock movement. 2,004,814; June 11.

Knott, George A., Washington, D. C. Folding furniture. 2,004,896; June 11.

Koepp, Rudolph, & Co., Chem. Fabrik A. G. (See Heue, Emil, assignor.)

Koppel Industrial Car and Equipment Company. (See Schmuhl, A. C., and Asper, assignors.)

Koppel Industrial Car and Equipment Company. (See Schmuhl, Alfred C., assignor.)

Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Headlight and spot light device for toy vehicles. 2,004,791; June 11.

Kosken, Wilbo, Inc. (See Kosken, Wilbo A., assignor.)

Kosken, Wilbo A., New York, N. Y., assignor to Wilbo A. Kosken, Inc. Additive fixed filter color system. 2,004,442; June 11.

Kovac, Rudolph, assignor to American Automatic Devices Co., Chicago, Ill. Lens. 2,004,443; June 11.

Krannak, Steven J., assignor to Min-A-Max Co., Minneapolis, Minn. Muzzle loading grease gun. 2,004,664; June 11.

Krautkopf, Simon, Stuttgart, Germany. Knitting tubular fabric. 2,004,699; June 11.

Krick, Harold T., Hazleton, Pa. Collar stay. 2,004,288; June 11.

Krieg, Carl, Frankfort-on-the-Main, Germany. Grinding disk. 2,004,630; June 11.

Kruse, Harold F., Grosse Pointe Park, Mich. Aircraft. 2,004,411; June 11.

Kuhn, Frederick A., Meriden, assignor to The Lyman Gun Sight Corp., Middlefield, Conn. Telescope sight mounting. 2,004,489; June 11.

Kühers Metallwerke G. m. b. H. (See Luschenowsky, Alexander, assignor.)

Laabs, Max A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens and making the same. 2,004,815; June 11.

Laemmel, Charles A., Brooklyn, assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Forming eyelets on meat saws and the like. 2,004,700; June 11.

Laganas, George, et al. (See Thompson, John L., assignor.)

Lamac Process Company. (See McClenathan, Roy F., assignor.)

Landis, Forrest C. (See Shoe, E. L., and Landis.)

Landolt, Albert. (See Barz, F., Landolt, Geigy, Kaegi, and Graenacher, assignors.)

Lang, Franz, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein. Diesel engine. 2,004,631; June 11.

Lanova Aktiengesellschaft. (See Lang, Franz, assignor.)

Lapham, Albert T., London, England. Neckwear. 2,004,490; June 11.

Laplante, Ovide, Riviere Du Loup Centre, Quebec, Canada. Switch. 2,004,207; June 11.

Laput, Gregory, Brooklyn, N. Y. Locking device. 2,004,761; June 11.

Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Sash ventilator. 2,004,762; June 11.

Larsson, Joel, Hofors, Sweden, and H. Styrl, Philadelphia, Pa., assignors by mesne assignments to SKF Industries, Inc., Philadelphia, Pa. Alloy Steels. 2,004,331; June 11.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Punching machine. 2,004,208; June 11.

Lautz, Carl F. (See Peo, R. F., and Lautz.)

Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Product and process for preparing same. 2,004,874; June 11.

Leach, Charles H., Roselle, N. J. Rent exchange apparatus. 2,004,469; June 11.

Leake, Arthur G., Bridgeport, Conn. Tightening loose rivets in structural members. 2,004,665; June 11.

Lebedenko, Nikolai, Berlin-Wilmersdorf, R. Levy, Berlin-Wilmersdorf, and W. Zeitlin, Berlin-Charlottenberg, Germany, assignors to Iris-Licht G. m. b. H., Berlin, Germany. Process and apparatus for the production of luminous signs in electric gas discharge tubes. 2,004,577; June 11.

Leighton, Emma S. (See Hedlund, John E., assignor.)

Lems, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company, Gaseous electric discharge device. 2,004,578; June 11.

Leng, Leopold. (See Moser, W., and Leng.)

Leonard, Charles H., Detroit, Mich. Repeating toy gun. 2,004,531; June 11.

Letterman, William E., Seattle, Wash. Spark plug. 2,004,119; June 11.

Leuchs, Hermann. (See Wolf, H., Leuchs, and Saenger.)

Leventhal, Jacob F., New York, N. Y., assignor by mesne assignments to Leventhal Patents, Incorporated. Optical compensator. 2,004,120; June 11.

Leventhal Patents, Incorporated. (See Leventhal, Jacob F., assignor.)

Lever Brothers Company Limited. (See Moore, C. W., and Ballantyne, assignors.)

Levy, Rudolf. (See Lebedenko, N., Levy, and Zeitlin.)

Lichtenstein, Valentine, assignor to The Fish Net and Twine Co., Jersey City, N. J. Reenforced tennis net and making the same. 2,004,579; June 11.

Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial materials. 2,004,875; June 11.

Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial threads and other products from cellulose compounds. 2,004,876; June 11.

Lilienfeld, Leon, Vienna, Austria. Manufacture of artificial threads and other products from cellulose compounds. 2,004,877; June 11.

Lindgren, Bror J., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Metal barrel drum beading machine. 2,004,816; June 11.

Linney, Albert T., Lexington, Ky. Sounding toy. 2,004,817; June 11.

Liptrott, Richard G., Brooklyn, N. Y. Window ventilator. 2,004,444; June 11.

Littleway Process Company, The. (See Goddu, George, assignor.)

Livengood, Orville A., Wyoming, Pa. Goggle supports. 2,004,701; June 11.

Loibl, Robert B., Jr., Los Angeles, Calif. Pest exterminator. 2,004,121; June 11.

Loibl, Robert B. Jr., Los Angeles, Calif. Pest exterminator. 2,004,122; June 11.

Loibl, Robert B., Jr., Los Angeles, Calif. Pest exterminator. 2,004,123; June 11.

Long, Thomas J., South Bend, Ind. Furnace regulator. 2,004,666; June 11.

Low, Stanley J., Niles Center, Ill. Coaster. 2,004,166; June 11.

Lubs, Herbert A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N(p-amino-phenyl) morpholine and preparing the same. 2,004,763; June 11.

Lubs, Herbert A., and G. C. Strouse, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N(p-amino-phenyl) morpholine. 2,004,764; June 11.

Luckett, William S., New York, N. Y. Paper receptacle. 2,004,818; June 11.

Luftschiffbau Zeppelin Gesellschaft mit Beschränkter Haftung. (See Förster, Arthur, assignor.)

Luening, Eugene G., assignor to The Girdler Corporation, Louisville, Ky. Pipe bend. 2,004,491; June 11.

Luftig, Morris, Chicago, Ill. Belt for personal wear. 2,004,412; June 11.

Lug-Lox Flooring Company. (See Cherry, Frank W., assignor.)

Lug-Lox Flooring Company. (See Johnson, Oscar L., assignor.)

Luschenowsky, Alexander, Berlin, assignor to Kühers Metallwerke G. m. b. H., Bonn-on-the-Rhine, Germany. Solder for aluminum and its alloys. 2,004,372; June 11.

Lusfield, Joseph. (See Martin, William P., assignor.)

Lussier, Joseph A., assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe. 2,004,897; June 11.

Lutes, Arthur M., Red Creek, N. Y. Drink mixer. 2,004,373; June 11.

Luttmann, Fred, Jr., Chicago, Ill. Elastic lace. 2,004,702; June 11.

Lyman Gun Sight Corp., The. (See Kuhn, Frederick A., assignor.)

Lyons, Thomas A., Pittsburgh, Pa. Flushing tank. 2,004,504; June 11.
MacLean, John, Pueblo, Colo. Printing plate and making the same. 2,004,824; June 11.
MacNaught, Malcolm S., Yonkers, N. Y., assignor to Hixon Electric Co., Boston, Mass. Container. 2,004,878; June 11.
Madge, Norman G., Montclair, N. J., assignor by mesne assignments to United States Rubber Company, New York, N. Y. Golf ball. 2,004,167; June 11.
Magill, Paul La F., Niagara Falls, N. Y., assignor to E. I. Du Pont de Nemours & Company, Inc., Wilmington, De. Treating solids with liquid. 2,004,332; June 11.
Magnani, Alessandro, Casale Monferrato, Italy. Direct manufacture of fibrous cement tubes between couples of rotating cylinders. 2,004,703; June 11.
Magnesium Castings and Products Limited. (See Day, Leslie G., assignor.)
Main, Daniel T., Westmount, Quebec, Canada, assignors to Best Weather Strip Company Limited, Hamilton, Ontario, Canada. Weatherstrip. 2,004,413; June 11.
Mallory, P. R., & Co. (See Weiger, Joseph A., assignor.)
Mansfield, George W., et al. (See Quisenberry, Frank R., assignor.)
Mapes, Clyde W., Dayton, Ohio, assignor by mesne assignments to General Motors Corporation, Detroit, Mich. Resilient mounting. 2,004,532; June 11.
Marks, Arthur H., New York, N. Y., assignor to Aeolian-Skinner Organ Company, Inc., Dorchester, Mass. Pipe organ. 2,004,168; June 11.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Steering gear. 2,004,374; June 11.
Marshall, D. B., et al. (See Silber, TJ., assignor.)
Martin, Beatrice. (See Martin, William H., assignor.)
Martin, John E., assignor, by mesne assignments, to The Band Box Corporation, St. Louis, Mo. Cleaning method and apparatus. 2,004,375; June 11.
Martin, John E., assignor, by mesne assignments, to The Band Box Corporation, St. Louis, Mo. Dry cleaning apparatus and method. 2,004,376; June 11.
Martin, Wayne P., Anoka, Minn. Grinding mill. 2,004,704; June 11.
Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Enameling. 2,004,632; June 11.
Martin, William H., assignor to Beatrice Martin, Ottawa, Kans. Swinging sign support. 2,004,819; June 11.
Martin, William P., Stickney, assignor of one-quarter to Joseph Lustfield, Cicero, Ill. Package opener. 2,004,377; June 11.
Martinez, Arcadio A., San Diego, Calif. Vehicle direction signal. 2,004,289; June 11.
Marvel Carbureter Company. (See Dean, E. E., and Berry, assignors.)
Massingham, Henry R., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable and making same. 2,004,612; June 11.
Mather, Irwin E., Chicago, Ill. Apparel belt. 2,004,477; June 11.
Matthews, Ernest C., and L. M. Clary, Eureka, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif. Shingle. 2,004,879; June 11.
Maurer, Harry A., Novelty, Ohio, assignor to The Oster Manufacturing Company, Chaser holder. 2,005,333; June 11.
Mautsch, Robert H., Brussels, Belgium, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Thermostat. 2,004,667; June 11.
Maynard, Almy C. (See Davisson, D. W., Welke, and Maynard.)
Maynard, Walter A., Cleveland Heights, Ohio. Automatic stoker and control therefor. 2,004,533; June 11.
McAdoo & Allen Welting Company. (See Brown, William, assignor.)
McAuliffe, Michael J., Vicksburg, Miss. Tent. 2,004,668; June 11.
McCarthy, Henry J. (See Roberts, Joseph L., assignor.)
McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Electric switching. 2,004,792; June 11.
McCaul, Benjamin V., Fargo, N. Dak. Fish stringer. 2,004,247; June 11.
McClenathan, Roy F., assignor to Lamac Process Company, Erie, Pa. Shoe pressing machine. 2,004,820; June 11.
McCullough, Paul J., and A. H. Sullivan, St. Louis County, Mo. Amusement device. 2,004,290; June 11.
McDonald, Edward F. (See Parkinson, Roy W., assignor.)
McDonald, Thomas R. (See Fean, William, assignor.)
McGregor, Alexander Grant, London, England. Rotary furnace. 2,004,334; June 11.
McMullen, Charles, assignor to The Carborundum Company, Niagara Falls, N. Y. Making refractory products and the like. 2,004,378; June 11.
McNamara, William L., and L. P. Piazzoli, Jr., assignors to Capetan Glass Company, Connellsville, Pa. Vessel handling and finishing devices. 2,004,492; June 11.
McNutt, Joseph D., New Haven, assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 2,004,505; June 11.
McPherson, John S. (See Stertsbach, H. W., McPherson, and Filander.)
McSwain, Melvin E., Memphis, Tenn. Minnow trap. 2,004,899; June 11.
Marchant, Lawrence E., assignor to National Steel Car Corporation, Limited, Hamilton, Ontario, Canada. Sleeping car ceiling. 2,004,898; June 11.
Master Machine Company. (See Iversen, Lorenz, assignor.)
Mead, Frederic S., Cranston, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus and method for conveying threads. 2,004,169; June 11.
Meagher, Glenn B., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Container for absorbent cotton. 2,004,614; June 11.
Mears, Stowell W., New York, N. Y. Humidifier. 2,004,821; June 11.
Mecham, Larned A., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifting apparatus. 2,004,613; June 11.
Mendel, Alfred. (See Kleinmann, E., and Mendel.)
Menefee, James W., Fort Wayne, Ind. Bobber. 2,004,414; June 11.
Mercier, Louis M., Neuilly-sur-Seine, France. Pressure control for pneumatic tires. 2,004,822; June 11.
Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Transmission belt. 2,004,479; June 11.
Merriman, Michael W., Cleveland, Ohio. Manhole frame and cover. 2,004,335; June 11.
Metalcraft Corporation. (See Korte, Alfred C., assignor.)
Metropolitan Device Corporation. (See Murray, Thomas E., Jr., assignor.)
Mewborne, Robert G., Albuquerque, New Mex., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Treatment of tobacco for insecticidal purposes. 2,004,124; June 11.
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 2,004,291; June 11.
Meyer, Edwin L., Bridgeport, Conn. Electric scroll saw. 2,004,580; June 11.
Meyer, Lina R., executor. (See Meyer, William.)
Meyer, Peter H., Buffalo, N. Y. Eyeglasses and the like. 2,004,445; June 11.
Meyer, Raymond B., Washington, D. C. Temperature controlled cabinet for electromechanical oscillators. 2,004,125; June 11.
Meyer, Samuel J., Brooklyn, N. Y. Shoe. 2,004,823; June 11.
Meyer, William, deceased, Chicago, Ill., Lina R. Meyer, executrix. Shaping or arching eyebrows. 2,004,581; June 11.
Michal, James, assignor to Storkline Furniture Corporation, Chicago, Ill. Foot control for baby carriages. 2,004,470; June 11.
Michels, Charles A., assignor of one-half to W. L. Crites, Moscow, Idaho. Pea husker. 2,004,370; June 11.
Middelboe, Kristian, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Manufacture of hydraulic cement and the like. 2,004,381; June 11.
Miehle Printing Press and Manufacturing Company, The. (See Wilkinson, William J., assignor.)
Miller, Alfred R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,004,209; June 11.
Miller, Charles G., Montclair, and A. R. Bororden, Fanwood, N. J., assignors to American Telephone and Telegraph Company, Time announcing system. 2,004,248; June 11.
Miller, Raymond E. (See Farmer, C. C., and Miller.)
Miller, Raymond E., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Packing cup. 2,004,669; June 11.
Miller, Samuel C., assignor of one-half to J. A. Weis, New York, N. Y. Massage brush. 2,004,633; June 11.
Mills, Herbert S., River Forest, assignor to Mills Novelty Company, Chicago, Ill. Combined whipper and scraper for ice cream freezers. 2,004,446; June 11.
Mills Novelty Company. (See Mills, Herbert S., assignor.)
Mills Novelty Company. (See Radtke, Bruno, assignor.)
Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collecting apparatus. 2,004,615; June 11.
Min-A-Max Co. (See Krannak, Steven J., assignor.)
Minneapolis-Moline Power Implement Company. (See Orelind, John R., assignor.)
Mitchell, Allister S., Detroit, Mich., assignor to National Automotive Fibres, Inc., Oakland, Calif. Upholstery method. 2,004,705; June 11.
Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control device. 2,004,918; June 11.
Moffitt, Lucian Q., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient shaft journal and bearing therefor. 2,004,506; June 11.
Moloney, Raymond T. (See Breitenstein, Herbert G., assignor.)
Molter, Frederick G., Hempstead, N. Y. Waterproof suit for firemen and others. 2,004,765; June 11.
Monroe Auto Equipment Company. (See Nickelsen, John M., assignor.)

Montgomery, Donald H., Berlin, assignor to The New Britain Gridley Machine Company, New Britain, Conn. Hydraulic apparatus. 2,004,793; June 11.
Moore, Charles W., Warrington, Lancaster, and H. Ballantyne, Tadworth, Surrey, assignors to Lever Brothers Limited, Port Sunlight, England. Manufacture of soap powders. 2,004,670; June 11.
Moore, Clyde E. (See Keen, C. R., and Moore.)
Moore, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna selector. 2,004,126; June 11.
Moravec, Joseph J., Washougal, Wash. Flat screen frame. 2,004,507; June 11.
Morgans, Godfrey E., London, England. Swimming bath. 2,004,825; June 11.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Clasp. 2,004,336; June 11.
Morland & Impey Limited. (See Shewell, W., and Cherry, assignors.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Producing asphalt. 2,004,210; June 11.
Moser, Wilhelm, and L. Leng, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Crystal holder. 2,004,170; June 11.
Moslnee Paper Mills Company. (See Kernin, Alfred G., assignor.)
Mueller-Conradi, Martin, Ludwigshafen-on-the-Rhine, and E. Ober, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic dehydration. 2,004,521; June 11.
Muffly, Glenn, Richmond, Mich. Mechanism for disintegrating frozen liquid. 2,004,582; June 11.
Müller Carl, Mannheim, L. Schlecht, Ludwigshafen-on-the-Rhine, and E. Kennecke, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of metals. 2,004,534; June 11.
Multistamp Company, The. (See Brandt, Louis G., assignor.)
Munschauer, Frederick E., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Clutch. 2,004,794; June 11.
Munzinger, Albert M., Janesville, Wis. Bung withdrawal machinery. 2,004,211; June 11.
Murphey, Joseph W., Monroe, La. Fluid pump. 2,004,337; June 11.
Murray, Thomas E., Jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. High tension fuse switch. 2,004,212; June 11.
Musket, Peter P. (See Fischer, H. G., Musket, and Richardson.)
Muth, Herbert, and W. Runge, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 2,004,171; June 11.
National Aniline & Chemical Co. (See Davis, Archibald H., assignor.)
National Aniline & Chemical Company. (See Riegler, Riewen, assignor.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Metal Edge Box Company. (See Wolf, Elias.)
National Rubber Machinery Company. (See Pfeiffer, Fred R., assignor.)
National Steel Car Corporation. (See Marchant, Lawrence E., assignor.)
National Tag Manufacturing Corporation, The. (See Graeber, Jacob F., assignor.)
Nelson, William J., New York, N. Y. Health promoting machine. 2,004,671; June 11.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Container for spectacle temples. 2,004,415; June 11.
Neubert, Curt, Glersdorf, near Hirschberg, Germany. Manufacture of printing rollers. 2,004,508; June 11.
Nevin, John A. (See Howe, C. W., and Nevin.)
New Britain-Gridley Machine Company, The. (See Montgomery, Donald H., assignor.)
Newhall, Henry B., Corporation. (See Pleister, H. W., and Karitzky, assignors.)
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Sound reproducing system. 2,004,583; June 11.
Newman, L. & Sons, Inc. (See Cunningham, Katherine E., assignor.)
News Projection Corporation. (See Eitzen, August D., assignor.)
Niagara Machine and Tool Works. (See Lindgren, Bror J., assignor.)
Niagara Machine & Tool Works. (See Munschauer, Frederick E., assignor.)
Niagara Sprayer and Chemical Co. (See Mewborne, Robert G., assignor.)
Nickelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Direct acting shock absorber. 2,004,380; June 11.
Nicodemus, Otto. (See Wulff, C., Nicodemus, and Treppenhauer.)
Nilday, Everett F., Altadena, Calif. Starting block. 2,004,172; June 11.
Niederer, Otto, Titusville, N. J. Egg candler and grader combined. 2,004,338; June 11.
Niederer, Otto, Titusville, N. J. Egg grading scale. 2,004,339; June 11.
Nier, Bruno, Belerfeld, Germany. Hurricane lantern. 2,004,826; June 11.
Noblitt, Quintin G., Indianapolis, assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Making locksecans. 2,004,535; June 11.
Noblitt-Sparks Industries, Inc. (See Noblitt, Quintin G., assignor.)
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Pattern selection cabinet. 2,004,900; June 11.
Novocol Chemical Mfg. Co. Inc. (See Goldberg, Samuel D., assignor.)
Nuske, Ferdinand A., East Malvern, Victoria, Australia. Production of fertilizer from cellulose materials by bacterial action. 2,004,706; June 11.
Nyhagen, Barney R., Bronx, N. Y. Necktie lining. 2,004,766; June 11.
Oakey, Clarence S., Oriskany, assignor of one-half to S. M. Birch, Clinton, N. Y. Safety catch. 2,004,795; June 11.
Ober, Ernst. (See Mueller-Conradi, M., and Ober.)
Oil Equipment Laboratories, Inc. (See Rodler, Hilmer F., assignor.)
Oilgear Company, The. (See Douglas, James K., assignor.)
Okadee Company. (See Hollingshead, Z. G., and Ploen, assignors.)
Olson, Charles A., Geneva, and G. A. Patterson, assignors to Crane Co., Chicago, Ill. Motor mounting. 2,004,536; June 11.
O'Meara, Thomas J., et al. (See Goodlin, C. L., and O'Meara.)
Orelind, John R., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Hopkins, Minn. Planter attachment for tractors. 2,004,416; June 11.
Ostermann, Rudolf M. (See Henkel, E., Williams, and Ostermann.)
Oster Manufacturing Company, The. (See Maurer, Harry A., assignor.)
Otto, Albert T., & Sons. (See Buddeberg, Walter, assignor.)
Owen, Henry A., Lawrence, assignor to Davis & Furber Machine Company, North Andover, Mass. Spinning frame. 2,004,343; June 11.
Pacific Machinery Company. (See Thompson, Albert R., assignor.)
Pako Corporation. (See Houch, J. W., and Dye, assignors.)
Palicki, Robert C., Toledo, Ohio. Work glove. 2,004,382; June 11.
Palmer, Dwight R. G., South Orange, N. J., assignor to General Cable Corporation, New York, N. Y. Electrical conductor. 2,004,901; June 11.
Palmer Electric & Manufacturing Co., The. (See Dante, Joseph D., assignor.)
Palmer Electric & Manufacturing Co., The. (See Johansson, Ernest G., assignor.)
Palmer, Keith W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Hydroxy aryl mercapto compounds and preparing the same. 2,004,728; June 11.
Paraffine Companies, The. (See Matthews, E. C., and Clary, assignors.)
Park, Robert E., Jr., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric apparatus. 2,004,616; June 11.
Parker, Donald, Administrator et al. (See Twomley, Herbert E., assignor.)
Parker, George H. (See Twomley, Herbert E.)
Parkinson, Roy W., assignor to E. F. McDonald, Buffalo, N. Y. Smoker's accessory. 2,004,537; June 11.
Parmelee, Alfred E. (See Downing, F. B., Parmelee, Pedersen, and Stecher.)
Parsons, Fred A., et al. (See Kearney, E. J., Parsons, and Armitage.)
Patterson, Glenn A. (See Olson, C. A., and Patterson.)
Patterson, Luther M., New Philadelphia, Ohio. Casting method and apparatus. 2,004,340; June 11.
Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Hitch connection. 2,004,213; June 11.
Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Tractor propelled implement. 2,004,729; June 11.
Payne, Elmer H., Wood River, assignor to Standard Oil Company (Indiana), Chicago, Ill. Cleaning filter screens. 2,004,796; June 11.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for drop box looms. 2,004,341; June 11.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for drop box looms. 2,004,342; June 11.
Pedersen, Charles J. (See Downing, F. B., Parmelee, Pedersen, and Stecher.)
Penn, Albert, Des Moines, Iowa, assignor to Penn Electric Switch Co. Air volume controlling device for water storage tanks. 2,004,417; June 11.
Penn Electric Switch Co. (See Penn, Albert, assignor.)
Peo, Ralph F., and C. F. Lantz, assignors to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,902; June 11.

Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,903; June 11.

Peo, Ralph F., and J. Sullivan, assignors to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,904; June 11.

Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,004,905; June 11.

Pensel, George R., Amsterdam, N. Y. Production of leather. 2,004,472; June 11.

Pensel, George R., Amsterdam, N. Y. Production of leather. 2,004,473; June 11.

Penta, Patrick W., Stoneham, Mass. Pocket case. 2,004,672; June 11.

Perkins, John L., Baltimore, Md. Game. 2,004,707; June 11.

Peters, Elmer P. (See Kent, J. W., and Peters.)

Peterson, Adolphe C., Minneapolis, Minn. Variable incidence plane. 2,004,214; June 11.

Peterson, Adolphe C., Minneapolis, Minn. Unit assembly engine and drive means. 2,004,215; June 11.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna regulator for diversity reception. 2,004,127; June 11.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Successive antenna selector. 2,004,128; June 11.

Petterson, Arthur R., Marblehead, Mass., assignor to Thomson-Judd Wire Machinery Company, Lynn, Mass. Cable stranding machine. 2,004,634; June 11.

Pezzella, Rocco, Washington, D. C. Hair curling device. 2,004,249; June 11.

Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company. Bearing metal and bearing. 2,004,708; June 11.

Pfanstiehl Chemical Company. (See Pfanstiehl, Carl, assignor.)

Pfeiffer, Fred B., assignor to National Rubber Machinery Company, Akron, Ohio. Collapsible drum. 2,004,797; June 11.

Pfrommer, Gustav. (See Beer, K., and Pfrommer.)

Philip, Morris, New York, N. Y. Fashioning attachment for knitting machines. 2,004,384; June 11.

Phillips, Octavia E., Santa Clara, Calif. Suit box. 2,004,509; June 11.

Phillips, Robert S., assignor to American Hair & Felt Company, Chicago, Ill. Felt punching machine. 2,004,709; June 11.

Piazzoli, Louis P., Jr. (See McNamara, W. L., and Piazzoli.)

Pieper, Ernest, Berlin-Tempelhof, and W. Wolffenstein, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Manufacture of a nutrient medium. 2,004,673; June 11.

Pike, Reginald, Philadelphia, Pa. Full fashioned knit stocking. 2,004,216; June 11.

Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Shake out apparatus for foundry flasks. 2,004,292; June 11.

Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Shaking out flasks. 2,004,293; June 11.

Piranl, Marcello, Berlin-Wilmersdorg, H. Ewest, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,004,585; June 11.

Pittman, Walter F. (See Ford, G. F., and Pittman.)

Planck, Russell M., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic volume controls for radio receiving sets. 2,004,294; June 11.

Pleister, Henry W., Westfield, and J. Karitzky, Garwood, N. J., assignors to Henry B. Newhall Corporation, Garwood, N. J. Bolt anchor. 2,004,480; June 11.

Ploen, Curtis W. (See Hollingshead, A. G., and Ploen.)

Plummer, Henry L. (See Dietz, J. B., and Plummer.)

Plummer, Lloyd F., Brockton, Mass. Calking welt. 2,004,447; June 11.

Popovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Eye set for dolls. 2,004,173; June 11.

Poser, Max, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating surfaces. 2,004,798; June 11.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for handling strip material. 2,004,129; June 11.

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Pranke, Edward J., Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc. Cyanide process and the product. 2,004,130; June 11.

Price, Joseph, West New Brighton, and R. C. Jones, Bronxville, assignors to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 2,004,391; June 11.

Price, Wilbur F., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Emblem or sign. 2,004,635; June 11.

Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Battery charging system. 2,004,767; June 11.

Progressive Service Company. (See Deubel, Carl G., assignor.)

Protectoglass Limited. (See Bonniksen, Cyril W., assignor.)

Public, The Free Use of the. (See Gaus, George E., assignor.)

Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,004,828; June 11.

Pymm, James, Brooklyn, N. Y. Temperature controlled valve. 2,004,636; June 11.

Pyzel, Frederic M., Piedmont, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Oil cracking apparatus. 2,004,217; June 11.

Quandt, Carrie A., executrix. (See Quandt, H. L., and Horak.)

Quandt Chemical Co. (See Quandt, H. L., and Horak, assignors.)

Quandt, Herbert L., and J. J. Horak, assignors, by mesne assignments, to Quandt Chemical Co., San Francisco, Calif. Core compound. 2,004,344; June 11.

Quandt, Herbert L., deceased, C. A. Quandt, executrix, and J. J. Horak, assignors to Quandt Chemical Co., San Francisco, Calif. Core oil compound. 2,004,345; June 11.

Quick, Cecil G., D. A. Ball, and T. R. Bennett, London, England, assignors to Irving Trust Company, receiver for R. Hoe & Co., Inc., New York, N. Y. Reel supporting mechanism for use in printing machines. 2,004,493; June 11.

Quinn, Floyd P., W. Horrobin, and W. F. Hawkins, Vancouver, British Columbia, Canada. Reversing transmission. 2,004,827; June 11.

Quisenberry, Frank R., assignor of twenty-five per cent to F. E. Geary, twenty-five per cent to G. W. Mansfield, and twenty-five per cent to M. H. Sampson, and twenty-five per cent to N. L. Spengler, Tampa, Fla. Closure forming awning. 2,004,674; June 11.

Radio Corporation of America. (See Bedford, Alda V., assignor.)

Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)

Radio Corporation of America. (See Moore, John R., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Planck, Russell M., assignor.)

Radio Corporation of America. (See Thomas, Adolph, A., assignor.)

Radio Patent Corporation. (See Schroter, Fritz, assignor.)

Radtke, Bruno, Libertyville, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 2,004,418; June 11.

Rafanelli, Cesare. (See Ferrari, A. Scalione, and Rafanelli.)

Raffinerie Tiriemontoise, Société Anonyme. (See Berge, Julien, assignor.)

Ragsdale, Earl J. W., Norristown, assignor to Budd Wheel Company, Philadelphia, Pa. Braking member. 2,004,829; June 11.

Rab, Joseph, assignor to The Delta Star Electric Company, Chicago, Ill. High potential or current indicator. 2,004,392; June 11.

Ratcliff, Arthur, assignor to Hummel & Downing Co., Milwaukee, Wis. Container. 2,004,218; June 11.

Rathbun, William A., and F. J. Doyle, Grand Rapids, Mich. Can cover. 2,004,675; June 11.

Raymond Manufacturing Company. (See Stowe, Lloyd, assignor.)

Ready, William A., Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkinsburg, W. Va. Handle. 2,004,538; June 11.

Rector, Nelson G., Jonesboro, Ark. Pipe wrench. 2,004,830; June 11.

Reichert, Joseph S. (See Gilbert, H. N., and Reichert.)

Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating alcohols. 2,004,131; June 11.

Reidenbach, Hazel V., Richmond Hill, N. Y. Girdle. 2,004,730; June 11.

Reinforced Paper Bottle Corporation. (See Rodor, Andrew, assignor.)

Remington, Alfred M., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Heat treatment of saws, etc. 2,004,174; June 11.

Remington Arms Company. (See Brün, Willi, assignor.)

Remington Rand Inc. (See Lasker, William W., assignor.)

Reo Motor Car Company. (See Thomas, Horace T., assignor.)

Reynell, Carew H., and A. J. V. Ware, assignors to Reynell-Ware Incorporated, Memphis, Tenn. Defibrating. 2,004,731; June 11.

Reynell-Ware Incorporated. (See Reynell, C. H., and Ware, assignors.)

Rhodes, Joseph F., South Pasadena, Calif. Soil pulverizer. 2,004,393; June 11.

Rice, Clifford M., Daytona Beach, Fla. Automobile headlight. 2,004,831; June 11.

Richardson, Donald E. (See Fischer, H. G., Musket and Richardson.)

Richardson, Roger W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing ammonium sulphite or bisulphite solutions. 2,004,799; June 11.

Richter, Max, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa. Automatically variable tensioning device for draw-off reels. 2,004,219; June 11.

Rider, Theodore H., Cincinnati, Ohio. Phenyl carbomates of aminopropanediols. 2,004,132; June 11.

Ridge Tool Company, The. (See Thewes, William O., assignor.)

Riegler, Riewen, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Recovery of vapor phase oxidation products and apparatus therefor. 2,004,586; June 11.

Roberts, Joseph L., Jamaica, N. Y., assignor of one-half to H. J. McCarthy, Baltimore, Md. Acetylene burning iron. 2,004,832; June 11.

Rodler, Hilmer F., Woodcliff, N. J., assignor to Oil Equipment Laboratories, Inc. Oil burning apparatus. 2,004,346; June 11.

Roell, Ernst. (See Wulff, C., and Roell.)

Rogers, John V. (See Colvin, F. S., and Rogers.)

Rogers, Thomas E., assignor to A. R. Cleveland and J. E. Belden, jointly, Los Angeles, Calif. Tire retreading mold. 2,004,800; June 11.

Romano, Eugene J., Seattle, Wash. Maneuvering means for under water salvage equipment. 2,004,133; June 11.

Rosenblum, Israel, Jackson Heights, N. Y. Mixed ester resin. 2,004,880; June 11.

Ross, George H., Brooklyn, N. Y. Pneumatic carrier. 2,004,134; June 11.

Rossman, Edwin F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 2,004,539; June 11.

Rothchild, Lester, and R. T. Anderson, Denver, Colo.; said Anderson assignor to said Rothchild. Dispensing attachment for containers. 2,004,285; June 11.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyhydric alcohols. 2,004,135; June 11.

Rothstein, Isidore. (See Yanchus, Edward L., assignor.)

Routh, Arthur F. (See Seidman, S. H., and Routh.)

Rowe, Alvin V., Galesburg, Ill. Baler tie. 2,004,732; June 11.

Rowe, Victor C., Roundup, Mont. Self lighting cigarette. 2,004,394; June 11.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head for fire extinguishing systems. 2,004,833; June 11.

Roy, Edmond O., assignor to Franklin Needle Company, Franklin, N. H. Jack for knitting machine needles. 2,004,617; June 11.

Royce, Doris, East Orange, N. J. Table. 2,004,296; June 11.

Runge, Wilhelm. (See Muth, H., and Runge.)

Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Multiple turret machine tool. 2,004,347; June 11.

Ruscetta, Ralph A. (See Clark, F. M., and Ruscetta.)

Russell, Julian G., North Chattanooga, assignor, by mesne assignments, to Carter Brothers, Incorporated, Chattanooga, Tenn. Tufting attachment for sewing machines. 2,004,834; June 11.

Ruth Dredger Manufacturing Corporation. (See Schauer, Lawrence B., assignor.)

S K F Industries, Inc. (See Larsson, J., and Styri, assignors.)

Sachs, Max, Far Rockaway, N. Y. Lady's hand bag. 2,004,220; June 11.

Saenger, Hans. (See Wolf, H., Leuchs and Saenger.)

Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)

Sage, Herbert R., Los Angeles, Calif. Manufacturing hot caps. 2,004,396; June 11.

Salzberg, Paul L. (See Izard, E. F., and Salzberg.)

Sampson, Frederick W. (See Geyer, H. D., and Sampson.)

Samson, Martin H., et al. (See Quisenberry, Frank R., assignor.)

Samuels, Racmon C., Philadelphia, Pa., assignor to General Electric Company. Protective system. 2,004,768; June 11.

Sansonetti, John, Chicago, Ill. Roof gutter bracket. 2,004,448; June 11.

Sawdon, Joseph, Montrose, Calif., and V. J. Sawdon, New York, N. Y.; said J. Sawdon assignor to said V. J. Sawdon. Envelope. 2,004,733; June 11.

Sawdon, Victor J. (See Sawdon, Joseph and V. J.)

Scalione, Mario. (See Ferrari, A., Scalione and Rafanelli.)

Schaer, Charles, Lancenthal, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Compressor. 2,004,474; June 11.

Schafer, Lawrence R., Huntington Park, assignor to Ruth Dredger Manufacturing Corporation, Los Angeles, Calif. Bucket. 2,004,637; June 11.

Schering Kahlbaum A. G. (See Pieper, E., and Wolffenstein, assignors.)

Schimmelschmidt, Kurt, and H. Thomae, Frankfort on the Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff and fiber dyed therewith. 2,004,383; June 11.

Schindlholm, Hans, and R. Gast, Frankfort on the Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and making same. 2,004,250; June 11.

Schinkez, Albert. (See Smith, E. R., and Schinkez.)

Schlage Lock Co. (See Schlage, Walter R., assignor.)

Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Metal door reenforcement and lock mounting. 2,004,510; June 11.

Schlecht, Leo. (See Miller, C., Schlecht and Kennecke.)

Schlitzer, Leo J., et al. (See Popovich, Nicholas, assignor.)

Schmid, Anton. (See Kazenmaier, A., Allendorff, and Schmid.)

Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Press-head for stuffing machines. 2,004,618; June 11.

Schmobl, Alfred C., Beaver Falls, and H. N. D. Asper, Koppel, assignors, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car coupler. 2,004,221; June 11.

Schmobl, Alfred C., Beaver Falls, assignor to Koppel Industrial Car and Equipment Company, Koppel, Pa. Cylindrical drum tumbler used in the process of mixing paint. 2,004,222; June 11.

Schneider, Ernest P., Washington, D. C. Money counting machine. 2,004,835; June 11.

Schneider & Cie, et al. (See Daum, Leon, assignor.)

Schröter, Fritz, Berlin-Schmargendorf, Germany, assignor to Radio Patents Corporation, New York, N. Y. Glow discharge tube circuit. 2,004,587; June 11.

Schulz, Ernst H., Dortmund, assignor to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Production of chromium steel alloys by the basic process. 2,004,836; June 11.

Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation of alcohols. 2,004,350; June 11.

Schottky, Walter, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Discharge tube. 2,004,175; June 11.

Schriever, Otto. (See Schröter, F., and Schriever.)

Schriever, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Light amplifier. 2,004,177; June 11.

Schrock, Eugene B., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway draft device. 2,004,348; June 11.

Schröter, Fritz, and O. Schriever, assignors, to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Photo-electric tube. 2,004,176; June 11.

Schultz, Oswald R., New York, N. Y. Printing cylinder. 2,004,136; June 11.

Schumacher, Fritz G., Basel, Switzerland. Device for the wet treatment, removal of moisture from, and drying of balls of thread or the like. 2,004,419; June 11.

Schwab, John C. E., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass transfer apparatus. 2,004,349; June 11.

Schwab, Martin C., Chicago, Ill. Sterilizer apparatus. 2,004,351; June 11.

Seft, Rudolph R., Brackenridge, Pa. Collapsible miter box. 2,004,475; June 11.

Segny, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion or cracking of high boiling hydrocarbon oils into low boiling hydrocarbon oils. 2,004,223; June 11.

Seidman, Solomon H., New York, N. Y., and A. F. Routh, New Haven, Conn. Ironing device. 2,004,384; June 11.

Seitter, Albert G., Wilmington, N. C. Hand car. 2,004,676; June 11.

Semen Falls Machine Company. (See Smith, E. R., and Schinkez, assignors.)

Setter, Joseph A., Schenectady, N. Y., assignor to General Electric Company. Bridge control system. 2,004,770; June 11.

Seymour, George W., and R. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Resin and coating or plastic composition containing the same. 2,004,297; June 11.

Shambow Shuttle Company. (See Fuller, Emil E., assignor.)

Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Detecting and ascertaining the region of oil leaks in cable systems. 2,004,769; June 11.

Sharar, Fred H., Williamsport, Pa. Motor vehicle brake. 2,004,556; June 11.

Sharp, John H. (See Anderson, Harley E., assignor.)

Shell Development Company. (See Davisson, D. W., Welke, and Maynard, assignors.)

Sheppard, Joel F., assignor to U. P. M.-Kidder Press Co., Inc., Dover, N. H. Printing press. 2,004,801; June 11.

Sherman, John Q., Dayton, Ohio. Paper handling. 2,004,395; June 11.

Shewell, Wilfrid, and H. A. Cherry, Northfield, Birmingham, assignors to Morland & Impey Limited, Birmingham, England. Loose leaf binder. 2,004,837; June 11.

Shoe, Esta L., and F. C. Landis, Pleasant Hill, Ohio. Well drilling apparatus. 2,004,494; June 11.

Shoe Form Co. (See DeWitt, William J., assignor.)

Shoemaker, Henry B., assignor to General Motors Corporation, Detroit, Mich. Universal joint. 2,004,298; June 11.

Sieb, Henry, Hammond, Ind. Pressboard. 2,004,710; June 11.

Siebert, Selmar R., and L. King, San Diego, Calif. Loading tool. 2,004,420; June 11.

Siemens & Halske Aktiengesellschaft. (See Schottky, Walter, assignor.)

Silber, Tj., assignor of one-fourth to J. D. Goodrich, one-fourth to D. B. Marshall, and one-fourth to R. Sorenson, Omaha, Nebr. Driving means for electric generators. 2,004,224; June 11.

Simister, Louis W., assignor of one-half to J. Farese, New York, N. Y. Pneumatic shoe. 2,004,906; June 11.
Simon, Alfred W., Eagle River, Wis. Electrostatic generator. 2,004,352; June 11.
Simonds Saw and Steel Company. (See Remington, Alfred M., assignor.)
Simpson, Alexander, London, England. Garment supporting means. 2,004,481; June 11.
Simpson, Jerry H., assignor to The Babinson Company, Winston-Salem, N. C. Humidity controlled valve. 2,004,251; June 11.
Singer Manufacturing Company, The. (See Zabriskie, Henry L., assignor.)
Sinnaeve, Baldwin J., Detroit, Mich. Cable supporting clip for chassis and body. 2,004,353; June 11.
Sloan, Philip W., Grosse Pointe Park, Mich. Table-net bracket. 2,004,397; June 11.
Slye, Edward A., East Hartford, Conn., assignor to Veeders-Root Incorporated. Counter. 2,004,881; June 11.
Smedley, Anderson R., Flushing, assignor to Anaconda Wire & Cable Company, New York, N. Y. Electrical conductor. 2,004,580; June 11.
Smith, Ed R., Jr., assignor to Builders Iron Foundry, Providence, R. I. Speed governor for hydraulic drives. 2,004,638; June 11.
Smith, Raymond D., Pleasantville, N. Y. Plural set time switch. 2,004,137; June 11.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Operating device for car couplers. 2,004,598; June 11.
Smidth, F. L., & Co. (See Middelboe, Kristian, assignor.)
Smith, A. O. Corporation. (See Martin, Wesley G., assignor.)
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Work-handling mechanism for centering and like machines. 2,004,540; June 11.
Smulski, Theodore J., assignor to Anderson Company, Gary, Ind. Indicating apparatus. 2,004,421; June 11.
Snyder, Jacob R., Pittsburgh, Pa. Universal joint. 2,004,299; June 11.
Société de l'Outillage R. B. V. (Société Anonyme Français. (See Vorms, Armand, assignor.)
Society of Chemical Industry in Basle. (See Barz, F., Landolt, Gelgy, Kaegi, and Graenacher, assignors.)
Society of Chemical Industry in Basle. (See Graenacher, C., and Ackermann, assignors.)
Sonn, Fred W., Pottstown, Pa. Electric switch. 2,004,772; June 11.
Sonn, Fred W., Pottstown, Pa. Electric switch. 2,004,773; June 11.
Sorensen, Einar N., Fernandina, Fla. Fuel conditioning device. 2,004,252; June 11.
Sorenson, Ray, et al. (See Silber, TJ., assignor.)
Souczek, Ferdinand, Brusau, Czechoslovakia. Device for grinding and sharpening razor blades. 2,004,838; June 11.
Souther, George H., Jr., Columbiaville, N. Y. Under arm protector. 2,004,511; June 11.
Sovereign Machinery Company. (See Kershaw, Henry, assignor.)
Sparks, William. (See Ahronheim, Albert A., assignor.)
Spengler, Nathaniel L., et al. (See Quisenberry, Frank R., assignor.)
Standard Oil Development Company. (See Fischer, H. G. M., and Gustafson, assignors.)
Standard Oil Company (Indiana). (See Payne, Elmer H., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Stanley, George S., Winnipeg, Manitoba, Canada. Dish. 2,004,449; June 11.
Stecher, Joseph L. (See Downing, F. B., Parmelee, Pedersen, and Stecher.)
Steenson, James H., Plainfield, assignor to Breeze Corporations, Inc., Newark, N. J. Tie rod construction. 2,004,398; June 11.
Steien, Peder, Lancaster, Minn. Shingle gauge. 2,004,839; June 11.
Steinle, Adolf, assignor to the firm Carl Zeiss, Jena, Germany. Instrument for testing the pitch of threads. 2,004,225; June 11.
Stertzbach, Harry W., J. S. McPherson, and A. H. Filander, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Pin retaining means. 2,004,300; June 11.
Stevenson, Alexander R., Jr., Schenectady, N. Y., assignor to General Electric Company. Oil burner. 2,004,771; June 11.
Stewart, Howard R., assignor of one-third to L. D. Collings, Los Angeles, Calif. Nonresealable container. 2,004,512; June 11.
Stickle, John B., Indianapolis, Ind. Steam heating system. 2,004,226; June 11.
Stickle, John B., Indianapolis, Ind. Steam heating apparatus. 2,004,227; June 11.
Stokes, Charles L., Los Angeles, Calif., assignor, by mesne assignments, to L. A. Williams, Evanston, and C. C. Bradbury, Glencoe, Ill., as successor trustees. Automatic fuel regulator. 2,004,178; June 11.
Storkline Furniture Corporation. (See Michal, James, assignor.)
Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co. Inc., Minneapolis, Minn. Boring machine. 2,004,228; June 11.
Storm Manufacturing Co. Inc. (See Storm, A., and Thorsen, assignors.)
Story, Edward B., Dormont, and C. E. Gross, assignors to A. M. Byers Company, Pittsburgh, Pa. Making wrought iron pipe. 2,004,138; June 11.
Stowe, Lloyd, assignor to Raymond Manufacturing Company, Corry, Pa. Repair link. 2,004,677; June 11.
Strouse, George C. (See Lubs, H. A., and Strouse.)
Strube, Edward W., Brightwaters, N. Y. Cross draft means for incinerators. 2,004,734; June 11.
Sturtevant, B. F., Company. (See Hagen, Harold F., assignor.)
Styri, Haakon. (See Larsson, J., and Styri.)
Sullivan, Alexander H. (See McCullough, P. J., and Sullivan.)
Sullivan, John. (See Peo, R. F., and Sullivan.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sulzer Frères Société Anonyme. (See Kägi, Emil, assignor.)
Sulzer Frères Société Anonyme. (See Schaer, Charles, assignor.)
Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Transfer mechanism. 2,004,495; June 11.
Sunnen, Joseph, Kirkwood, Mo. Combined valve lifter and spring compressor. 2,004,590; June 11.
Sunskes, Max, New York, N. Y. Amusement device. 2,004,591; June 11.
Superheater Company, The. (See Henkel, E., Williams, and Ostermann, assignors.)
Svenson, Ernest J., Rockford, Ill. Fluid transmission. 2,004,399; June 11.
Taferner, Joseph, et al. (See Popovich, Nicholas, assignor.)
Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding system and method. 2,004,619; June 11.
Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Portable welding tool. 2,004,620; June 11.
Tasker, Homer G., Douglaston, Long Island, assignor to United Research Corporation, Long Island City, N. Y. Signal translating and correcting system. 2,004,253; June 11.
Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Crankshaft bearing. 2,004,254; June 11.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw chuck. 2,004,678; June 11.
Taylor, William L., Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile materials and its production. 2,004,139; June 11.
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Moser, W., and Leng, assignors.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Muth, H., and Runge, assignors.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Schröter, F., and Schriever, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schriever, Otto, assignor.)
Textile Machine Works. (See Richter, Max, assignor.)
Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Die stock. 2,004,630; June 11.
Thieman, William B., Albert City, Iowa, assignor, by mesne assignments, to Deere & Company, Moline, Ill. Corn picker. 2,004,711; June 11.
Thiry, Leon, Huy, Belgium. Elastic shaft coupling. 2,004,712; June 11.
Thomae, Alfred O., Berlin-Steglitz, Germany. Preparation of talking machine plates. 2,004,400; June 11.
Thomae, Hans. (See Schimmelschmidt, K., and Thomae.)
Thomann, Frederick A., East Moline, assignor to Deere & Company, Moline, Ill. Harvester. 2,004,713; June 11.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Loud speaker. 2,004,735; June 11.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Electrostatic loud speaker. 2,004,736; June 11.
Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Delivery vehicle. 2,004,385; June 11.
Thomason-Judd Wire Machinery Company. (See Petterson, Arthur R., assignor.)
Thompson, Albert R., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit pitting device with vibratory pitting means. 2,004,301; June 11.
Thompson, Charles L., T. S. Bacon, and J. E. Bludworth, Eastland, Tex., assignor, by mesne assignments, to Hanlon-Buchanan, Inc. Treatment of hydrocarbons. 2,004,714; June 11.
Thompson, John L., assignor of one-half to G. Laganas, Lowell, and one-half to L. A. Wilson, Somerville, Mass. Pneumatic press for cementing soles on shoes. 2,004,541; June 11.
Thomson, Hugh A., Kensington, London, England. Facilitating reference to and reading of books and the like. 2,004,450; June 11.
Thornton, Mathew H., St. Paul, Minn. Shoe shining machine. 2,004,140; June 11.
Thornton, Mathew H., St. Paul, Minn. Shoe cleaning and polishing machine. 2,004,640; June 11.
Thorsen, Thor. (See Storm, A., and Thorsen.)

Thwaits, Frederick G., Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis. Valve mechanism. 2,004,715; June 11.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Valve structure. 2,004,716; June 11.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Valve actuating mechanism. 2,004,717; June 11.
Tierney, Columbus A. (See Enger, W. W., and Tierney.)
Tierney, James S., Upper Darby, Pa. Preparing apples for cold packing. 2,004,354; June 11.
Tilley, John N., Woodbury, and H. Whitehead, South Orange, N. J., assignors of one-half to E. I. du Pont de Nemours & Company, Wilmington, Del., and one-half to Baker and Company, Inc., Newark, N. J. Oxidation of ammonia and improved catalyst therefor. 2,004,141; June 11.
Tipp & Co. (See Burkhard, Heinrich, assignor.)
Tips Tool Company. (See Walsh, Carroll H., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,004,679; June 11.
Tonks Manufacturing Company. (See Tonks, Thomas, assignor.)
Tonks, Thomas, assignor to Tonks Manufacturing Company, Saginaw, Mich. Wood hog. 2,004,737; June 11.
Torsion Balance Company, The. (See Becker, Christopher A., assignor.)
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towne, Willis H., Wilmette, Ill., assignor to Gifford-Wood Company. Stabilizer for traversing hoist buckets. 2,004,451; June 11.
Trane, Reuben N., La Crosse, Wis. Air conditioning unit. 2,004,255; June 11.
Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)
Traut, Rudolf, Mulheim-Ruhr, Germany. Sealing tubes. 2,004,422; June 11.
Traver, William A., assignor to Franklin Process Company, Providence, R. I. Apparatus for processing textiles and like materials. 2,004,229; June 11.
Treppenhauer, Max. (See Wulff, C., Nicodemus, and Treppenhauer.)
Trey, Serge, and W. Howard, College Point, and A. Chessin, Brooklyn, N. Y. Aerofoil. 2,004,256; June 11.
Trotter, John L., and V. Hall, St. Louis, Mo. Direction indicator. 2,004,557; June 11.
Trumbull Electric Manufacturing Company, The. (See Harvey, Frank, assignor.)
Truscon Steel Company. (See Hughes, Grover A., assignor.)
Tschirner, Frederick, Medford, N. J., assignor to Zeolite Chemical Company, New York, N. Y. Purification of water by zeolites. 2,004,257; June 11.
Turner, James F., and C. P. Breidenbaugh, assignors to Flynn & Emrich Company, Baltimore, Md. Stoker motor. 2,004,558; June 11.
Twomley, Herbert E., Riverside, Calif. assignor to D. Parker and Citizens National Trust and Savings Bank of Riverside, administrators of G. D. Parker, deceased. Box framing machine. 2,004,355; June 11.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Clamping device for weft replenishing looms. 2,004,302; June 11.
U. P. M.-Kidder Press Co. (See Sheppard, Joel F., assignor.)
Ullery, Fred E. (See Fox, M. L., and Ullery.)
Underwood Elliott Fisher Company. (See Curtis, Edward W., Jr., assignor.)
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Switch & Signal Company, The. (See Goodlin, C. L., and O'Meara, assignors.)
Union Switch & Signal Company, The. (See Miller, Alfred B., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Research Corporation. (See Tasker, Homer G., assignor.)
United Shoe Machinery Corporation. (See Balcom, Charles H., assignor.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United States Gypsum Company. (See Hann, George L., assignor.)
United States Rubber Company. (See Madge, Norman G., assignor.)
United States Rubber Company. (See Mead, Frederic S., assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
Universal Oil Products Company. (See Dubbs, Carlton P., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Pyzel, Frederic M., assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Urbain, Leon F., et al. (See Johnson, Oscar L., assignor.)
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Short cycle anneal of malleable iron. 2,004,774; June 11.
Vandever, James R., Pampa, Tex., assignor to Richard P. Abele, Tulsa, Okla. Chemical heater for oil wells. 2,004,452; June 11.
Van Suchtelen, Eduard F., Amsterdam, Netherlands. Apparatus for dispersing liquids and mixtures. 2,004,840; June 11.
Veeder-Root Incorporated. (See Slye, Edward A., assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Schulz, Ernst H., assignor.)
Vibroscope, Inc. (See Davey, Peter, assignor.)
Victor Chemical Works. (See Gilbert, James M., assignor.)
Vinson, Guy, Miami, Fla. Exterminator for insects. 2,004,841; June 11.
Vogel, Joseph A., Company. (See Woolley, William J., assignor.)
Volmer, Max, Neubabelsberg-Steins-tucken, Germany. Open electric arc-lamp for the generation of ultra-violet radiations. 2,004,880; June 11.
Von Holtz, Charles T., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Adjustable neck reflector. 2,004,142; June 11.
Von Till, Louis A., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Measuring device. 2,004,230; June 11.
Voorhees, Vanderveer, Hammond, Ind. Absorbent paper dispensing. 2,004,143; June 11.
Vorms, Armand, assignor to Societe de l'Outillage R. B. V. (Société Anonyme français), Paris, France. Apparatus for delivering flat elements one at a time, more especially for delivering envelopes to an obliterating machine. 2,004,882; June 11.
Vose, Lewis S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing loom. 2,004,681; June 11.
Vulcan Soot Blower Corporation. (See Arey, Fred C., assignor.)
Wagner, Harlan A., Ruthven, Iowa. Ball holder. 2,004,542; June 11.
Wahlin, Fritz, assignor to Binks Manufacturing Company, Chicago, Ill. Spray gun. 2,004,303; June 11.
Walker Cement Products, Inc. (See Dietrichs, Charles, assignor.)
Walker, Harold L., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Coin controlled scale. 2,004,179; June 11.
Wallen, Arthur C., Bronxville, N. Y., and T. J. Crawford, Youngstown, Ohio; said Wallen assignor to said Crawford. Composite structure. 2,004,907; June 11.
Walsh, Carroll H., Pine Bluff, Ark., assignor to Tips Tool Company, Inc., Taylorville, Ill. Fusible line tapping device. 2,004,621; June 11.
Wandell, Frederic H., Los Gatos, Calif. Brake. 2,004,842; June 11.
Wappler, Frederick C. (See Wappler, Reinhold H. and F. C.)
Wappler, Reinhold H., Yonkers, and F. C. Wappler, New York, N. Y.; said F. C. Wappler administrator of said Reinhold H. Wappler, deceased. Method and instrument for electro-surgical treatment of tissue. 2,004,559; June 11.
Ward, Edward W., North Girard, Pa. Shoe. 2,004,802; June 11.
Ware, Arthur J. V. (See Reynell, C. H., and Ware.)
Warren, Roy E., Houston, Tex. Flow controlling mechanism. 2,004,423; June 11.
Warren, Walter G., Chicago, Ill. Aerial target. 2,004,543; June 11.
Washington Institute of Technology, Inc. (See Brockstedt, Theophile E., assignor.)
Wasson, George G., Kansas City, Mo. Clip. 2,004,231; June 11.
Watanabe, Shumpei, Koishikawa Ku, Tokyo, Japan. Recording sounds. 2,004,453; June 11.
Waterbury, Ronald J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Radiator and front fender support. 2,004,258; June 11.
Waters, William H., and J. S. Kern, assignors to Fleetwood Craftsmen, Inc., Fleetwood, Pa. Apparatus for making shape retaining fiber mattresses. 2,004,544; June 11.
Watervliet Tool Company. (See Becker, F. W., and Kinsley, assignors.)
Watkins, Frederick R., Los Angeles, Calif. Bridge bidding machine. 2,004,543; June 11.
Watson, Roger B., Colorado Springs, Colo. Fountain pen. 2,004,641; June 11.
Weed, Walter A., Lakeland, Fla. X-ray or radiographic apparatus. 2,004,232; June 11.
Weeks, Charles, assignor to The Armand Company, Des Moines, Iowa. One hand compact. 2,004,424; June 11.
Wehrly, Clarence G., Detroit, Mich. Apparatus for lubricating trolleys. 2,004,386; June 11.
Weiger, Joseph A., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Valve seat. 2,004,259; June 11.
Weir, G. & J., Limited. (See Hillier, Harold, assignor.)
Weis, John A. (See Miller, Samuel C., assignor.)
Weisbrenner, R. F. (See Heath, Albert, assignor.)

Welch, Sidney A., A. F. Guyler, J. T. Ashby, and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting machine. 2,004,260; June 11.

Welke, Ferdinand G. (See Davisson, D. W., Welke, and Maynard.)

Weller, Benjamin D., Cleveland Heights, Ohio. Check opening guard and check. 2,004,357; June 11.

Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery separator. 2,004,304; June 11.

Wells, Lloyd L., Honeoye Falls, N. Y. Card holder. 2,004,401; June 11.

Werts, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Electrical system for internal combustion engines. 2,004,642; June 11.

Western Electric Company. (See Alden, John L., assignor.)

Western Electric Company. (See Goodchild, F. D., and Benham, assignors.)

Western Electric Company. (See Massingham, Henry R., assignor.)

Western Electric Company. (See Park, Robert E., Jr., assignor.)

Westinghouse Air Brake Company, The. (See Dempsey, Philip W., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, C. C., and Miller, assignors.)

Westinghouse Air Brake Company, The. (See Mautsch, Robert H., assignor.)

Westinghouse Air Brake Company, The. (See Miller, Raymond E., assignor.)

Westinghouse Air Brake Company, The. (See Woernley, Henry F., assignor.)

Westman, William W., assignor to First National Institute of Violin, South Bend, Ind. Shoulder pad. 2,004,356; June 11.

Whipp, Leslie H., administrator. (See Zander, Milton W., assignor.)

White, Blanche B. (See Seymour, G. W., and White.)

White, Charles L., Thomasville, N. C., and G. T. Johnson, assignors to Yates-American Machine Company, Beloit, Wis. Adjustable stop pin for routers. 2,004,738; June 11.

White, Everett H., St. Paul, Minn. Remote control regulator motor. 2,004,622; June 11.

White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,004,261; June 11.

Whitehead & Kales Company. (See Judd, Irving H., assignor.)

Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Folding carton. 2,004,908; June 11.

Whitehead, Harold. (See Tilley, J. N., and Whitehead.)

Whitehead & Kales Company. (See Judd, Irving H., assignor.)

Whitney, Maurice P., Elmira, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Starter drive 2,004,643; June 11.

Whritenour, George E., Sloatsburg, N. Y. Building construction. 2,004,739; June 11.

Widman, Erwin R., Little Neck, N. Y. Curtain supporting arrangement. 2,004,262; June 11.

Wigge, Heinrich. (See Junkers, H., and Wigge.)

Wilcox-Rich Corporation. (See Hedlund, Oscar, assignor.)

Wilkes Avery Corporation. (See Wilkes, G., and Avery, assignors.)

Wilkes, Gilbert, Jacksonwald, and J. S. Avery, Pennside, Pa., assignors to Wilkes Avery Corporation, New York, N. Y. Absorption cycle temperature control apparatus. 2,004,843; June 11.

Wilkinson, William J., Great Neck, N. Y., assignor of one half to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Photographically producing printing plates. 2,004,144; June 11.

Willard Storage Battery Company. (See Wells, Leland E., assignor.)

Williams, Arthur. (See Henkel, E., Williams, and Ostermann.)

Williams, Leo C. (See Brackett, E. M., Daneke, and Williams.)

Williams, Lynn A., et al., trustee. (See Stokes, Charles L., assignor.)

Williams, Marion R., Kansas City, Mo. Container closure 2,004,844; June 11.

Williams Oil-O-Matic Heating Corporation. (See Celander, Philip A., assignor.)

Wilson, Eugene W., Oak Park, Ill. Burial vault. 2,004,454; June 11.

Wilson-Jones Company. (See Dawson, George H., assignor.)

Wilson, Lena A., et al. (See Thompson, John L., assignor.)

Wilson, Robert E., Chicago, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel products. 2,004,560; June 11.

Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)

Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping mechanism. 2,004,145; June 11.

Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor for pumping mechanisms. 2,004,146; June 11.

Wingfoot Corporation. (See Wolfe, William D., assignor.)

Winkler, Franz, Schweinfurt, Germany. Spring-mounted cycle hub with brake. 2,004,740; June 11.

Winn, Sidney B., Lapeer, Mich. Semi-trailer. 2,004,803; June 11.

Wittmers, Otto. (See Breddin, P., and Wittmers.)

Woernley, Henry F., deceased, by T. R. Woernley, executor, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train pipe coupling. 2,004,644; June 11.

Woernley, Theodore R., executor. (See Woernley, Henry F.)

Wolcott, Frank E., West Hartford, Conn., assignor to Hartford Products Corporation. Beverage pot or the like. 2,004,883; June 11.

Wolf, Elias et al. (See Wolf, Elias, assignor.)

Wolf, Elias, Elkins Park, assignor to L., H. A., and E. Wolf, copartners trading as National Metal Edge Box Company, Philadelphia, Pa. Box. 2,004,358; June 11.

Wolf, Hans, and H. Leuchs, Ludwigshafen-on-the Rhine, and H. Saenger, Hitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of porous building materials. 2,004,545; June 11.

Wolf, Howard A., et al. (See Wolf, Elias, assignor.)

Wolf, Louis, et al. (See Wolf, Elias, assignor.)

Wolfe, William D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Amino derivative of hydroxy diphenyls. 2,004,914; June 11.

Wolffenstein, Walter. (See Pieper, E., and Wolffenstein.)

Wolfson, Morris, Brooklyn, N. Y. Bookbinding 2,004,482; June 11.

Woolley, William J., Chicago, Ill., assignor to Joseph A. Vogel Company, Wilmington, Del. Antisiphonage device for water closets and like water service systems. 2,004,455; June 11.

World Bestos Corporation. (See Brockway, Carl P., assignor.)

Worms, Jacques, Versailles, France. Bogie for vehicles traveling upon rails. 2,004,845; June 11.

Worrall, Robert H., Washington, D. C. Humidifying system. 2,004,147; June 11.

Wright, Alfred M. (See Wright, L. S., and A. M.)

Wright, Leonard S., and A. M., Oyster Bay, N. Y. Wheel chair. 2,004,683; June 11.

Wright, Robert A., et al. (See Crary, Palmer H., assignor.)

Wright, Stephen G., Chicago, Ill. Artificially coloring roofing granules. 2,004,682; June 11.

Wright, Vincent, Alameda, Calif. Apparatus for cooking material. 2,004,775; June 11.

Wulff, Carl, and E. Roell, Ludwigshafen-on-the Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonic acid. 2,004,546; June 11.

Wulff, Carl, Ludwigshafen-on-the-Rhine, O. Nicodemus, Frankfort-on-the-Main-Hochst, and M. Treppenhauer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acenaphthylene. 2,004,884; June 11.

Wyrick, Clayton E., Wyandotte, assignor to Wyrick Engineering Company, Detroit, Mich. Compensator. 2,004,263; June 11.

Wyrick, Clayton E., Wyandotte, assignor to Wyrick Engineering Company, Detroit, Mich. Clearance regulator. 2,004,264; June 11.

Wyrick Engineering Company. (See Wyrick, Clayton, assignor.)

Xetal Products Limited. (See Head, Percy H., assignor.)

Yanchus, Edward L., Masontown, Pa., assignor of one half to I. Rothstein. Rotoplane. 2,004,885; June 11.

Yates-American Machine Company. (See White, C. L., and Johnson, assignors.)

Yohe, Albert S., Jersey City, N. J., assignor to The Bias Buff & Wheel Company, Inc., New York, N. Y. Buffing or polishing wheel. 2,004,623; June 11.

Young, Edgar J., Trowbridge, Wilts, England, assignor to The Chandler and Price Company, Cleveland, Ohio. Platen printing press. 2,004,148; June 11.

Zabriskie, Henry L., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine motor controller. 2,004,496; June 11.

Zacharias, Edwin H., Reading, Pa. Garment pressing machine. 2,004,547; June 11.

Zadek, Arthur, and I. E. Cohn, New York, N. Y. Flexible handle for rattles. 2,004,265; June 11.

Zander, Milton W., deceased, Chicago, Ill., Leslie H. Whipp, administrator. Air cleaner. 2,004,150; June 11.

Zeiss, Carl. (See Steinle, Adolf, assignor.)

Zeitlin, Wladislaw. (See Lebedenko, N., Levy, and Zeitlin.)

Zeolite Chemical Company. (See Tschirner, Frederick, assignor.)

Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder ridge reamer. 2,004,741; June 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anesthetic solutions, Production of. M. Woelm. 19,608; June 11.

Dam construction. W. H. Bailey. 19,603; June 11.

Electrical condenser. L. Endenburg. 19,604; June 11.

Resistor, Variable. J. A. Flanzer, L. L. Jones, and E. Reisman. 19,605; June 11.

Rheostat potentiometer and constructing the same. D. T. Siegel. 19,607; June 11.

Truck, Industrial. R. T. Romine. 19,606; June 11.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or the like. L. K. Stupell. 95,936; June 11.

Ash tray or similar article. J. B. Clark. 95,896; June 11.

Badge, Pall-bearer's. C. D. Roberts. 95,929; June 11.

Battery case, Storage. O. O. Rieser. 95,928; June 11.

Bottle. J. L. Donnock. 95,900; June 11.

Bottle. L. M. Sutton, Jr. 95,937; June 11.

Building. N. B. Geddes and C. Landefeld. 95,906; June 11.

Cabinet, Vending machine. R. and B. Bentley. 95,891; June 11.

Cap, Bottle. E. W. Fuerst. 95,904; June 11.

Carton. M. M. Smith. 95,934; June 11.

Chair, Aircraft. L. C. McCarty, Jr., and D. M. Helwig. 95,919; June 11.

Clamp, Cable. C. H. Thomas. 95,939; June 11.

Coat. M. Miller. 95,909; June 11.

Container, Vanity. G. H. Beck. 95,889; June 11.

Cup, Edible. H. Dicker. 95,899; June 11.

Dish. E. L. Snyder. 95,935; June 11.

Dress. C. Weinberg. 95,942; June 11.

Emblem or similar article. M. E. Schwalbe. 95,932; June 11.

Extinguisher, Fire. P. Evans. 95,902; June 11.

Finger ring. J. M. H. Le Bolt. 95,914; June 11.

Game board. R. J. Byrnes. 95,895; June 11.

Game board for pin ball games. H. G. Breitenstein. 95,893; June 11.

Game device, Pin board. A. S. Moorman. 95,920; June 11.

Game scoring board, Card. W. A. O'Brien. 95,922; June 11.

Glass, Whisky. F. L. Fenton. 95,903; June 11.

Glove. G. V. Larom and A. L. Russo. 95,913; June 11.

Handle or similar article. L. S. Keeler. 95,910; June 11.

Handle or similar article. K. Rettich. 95,926; June 11.

Hat. O. Friedman. 95,905; June 11.

Horse, Rocking. I. K. Nyland. 95,921; June 11.

Jar. W. B. Adams. 95,888; June 11.

Lantern, Electric. L. M. Wiley. 95,943; June 11.

Letter box, House. J. Kim. 95,911; June 11.

Lighting fixture. C. D. McCann. 95,917–18; June 11.

Lip stick holder. A. L. Ogden. 95,924; June 11.

Locomotive, Electric. C. C. C. Burkhardt. 95,894; June 11.

Nail. M. G. Rodriquez. 95,930; June 11.

Pen clip or similar article, Fountain. M. G. Sypher. 95,938; June 11.

Shaker or similar article, Cocktail. H. F. Reichenbach. 95,925; June 11.

Shelf and radiocabinet, Combined wall. D. W. Kussman. 95,912; June 11.

Shoe. B. Benjamin. 95,890; June 11.

Shoe. F. W. Ellington. 95,901; June 11.

Shoe. A. Turiansky. 95,940; June 11.

Spectacle bridge. H. Clements. 95,897; June 11.

Spoon or other article of flatware. V. M. Conner. 95,898; June 11.

Sweater. D. Rheinauer. 95,927; June 11.

Sweater, Lady's. H. Roepple. 95,892; June 11.

Swing. E. L. Weaver. 95,941; June 11.

Table top. W. A. O'Brien. 95,923; June 11.

Telephone, Hand. G. R. Lum. 95,915; June 11.

Textile fabric. D. F. Greenawalt. 95,907–8; June 11.

Textile fabric or similar article of manufacture. A. Schumacher. 95,933; June 11.

Tire. C. E. Maynard. 95,916; June 11.

Waffle iron. J. A. Salvia. 95,931; June 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. J. B. Hadaway. 2,004,109; June 11.
Abrasive. J. B. Dietz and H. L. Plummer. 2,004,466; June 11.
Absorption cycle temperature control apparatus. G. Wilkes and J. S. Avery. 2,004,843; June 11.
Acenaphthylene, Production of. C. Wulff, O. Nicodemus, and M. Treppenhauer. 2,004,884; June 11.
Acid; *See*—
Sulphonic acid.
Acid and salts thereof, Aminocarboxylic. R. Fleck. 2,004,523; June 11.
Acid esters and their preparation, Levulinic. K. F. Izard and P. L. Salzberg. 2,004,115; June 11.
Adhesive. M. T. Harvey. 2,004,370; June 11.
Advertisement pictures and others, Apparatus for presenting. H. Heaulme. 2,004,111; June 11.
Aerofoil. S. Trey, W. Howard and A. Chessin. 2,004,256; June 11.
Air cleaner. M. W. Zander. 2,004,150; June 11.
Air conditioning unit. R. N. Trane. 2,004,255; June 11.
Aircraft. H. F. Krug. 2,004,411; June 11.
Airships, Bracing the circumference of gas-inflated rigid. A. Förster. 2,004,785; June 11.
Air volume controlling device for water storage tanks. A. Penn. 2,004,417; June 11.
Alarm, Gas tank. E. S. Johnson. 2,004,872; June 11.
Alcohols, Condensation of. N. D. Scott. 2,004,350; June 11.
Alcohols, Production of polyhydric. H. S. Rothrock. 2,004,135; June 11.
Alcohols, Separating. E. E. Reid. 2,004,131; June 11.
Alloy steels. J. Larsson and H. Styri. 2,004,331; June 11.
Alloys by the basic process, Production of chromium steel. E. H. Schulz. 2,004,836; June 11.
Alloys, Producing columbium. F. M. Becket. 2,004,498; June 11.
Alloys, Treatment of. E. F. Bainbridge. 2,004,483; June 11.
Amino derivative of hydroxy diphenyls. W. D. Wolfe. 2,004,914; June 11.
Ammonia and improved catalyst therefor, Oxidation of. J. N. Tilley and H. Whitehead. 2,004,141; June 11.
Ammonium sulphite or bisulphite solutions, Preparing. R. W. Richardson. 2,004,799; June 11.
Ammunition supplying device for pairs of guns mounted in turrets or the like. L. Daum. 2,004,855–6; June 11.
Amusement device. P. J. McCullough and E. H. Sullivan. 2,004,290; June 11.
Amusement device. M. Silnskes. 2,004,591; June 11.
Anchor, Bolt. H. W. Pleister and J. Karitzky. 2,004,480; June 11.
Anesthetic composition. S. D. Goldberg. 2,004,891; June 11.
Anneal of malleable iron, Short cycle. I. R. Valentine. 2,004,774; June 11.
Annunciator. R. B. Baker. 2,004,645; June 11.
Antenna regulator for diversity reception. H. O. Peterson. 2,004,127; June 11.
Antenna selector. J. B. Moore. 2,004,126; June 11.
Antenna selector, Successive. H. O. Peterson. 2,004,128; June 11.
Antisiphonage device for water closets and like water service systems. W. J. Woolley. 2,004,455; June 11.
Apples for cold packing, Preparing. J. S. Tierney. 2,004,334; June 11.
Applicator roll. J. Kirsch. 2,004,576; June 11.
Arc-lamp for the generation of ultra-violet radiations, Open electric. M. Volmer. 2,004,680; June 11.
Article holder. W. H. Inman. 2,004,326; June 11.
Articles through treating liquids, Apparatus for handling. J. W. Houche and G. M. Dye. 2,004,410; June 11.
Artificial materials, Manufacture of. L. Lilienfeld. 2,004,875; June 11.
Artificial products, Production of. H. Dreyfus. 2,004,272; June 11.
Asphalt, Producing. J. C. Morrell. 2,004,210; June 11.
Atomizer. J. E. Conklin. 2,004,402; June 11.
Atomizer, Steam pressure. A. Janesick. 2,004,371; June 11.
Automobiles, Transportation of. I. H. Judd. 2,004,438; June 11.
Awning, Closure forming. F. R. Quisenberry. 2,004,674; June 11.
Awning fastening device. C. W. Gasswint. 2,004,862; June 11.
Azo-dyestuff and fiber dyed therewith. K. Schimmelschmidt and P. Thomæ. 2,004,383; June 11.
Azo-dyestuffs and making same. H. Schindhelm and R. Gast. 2,004,250; June 11.
Bag; *See*—
Lady's hand bag.
Bail holder. H. A. Wagner. 2,004,542; June 11.
Bait, Artificial. J. Catarau. 2,004,308; June 11.
Bakery products, Device for packaging. O. B. Andrews. 2,004,098; June 11.
Bale tie. A. V. Rowe. 2,004,732; June 11.
Ball, Golf. N. G. Madge. 2,004,167; June 11.
Balls of thread or the like, Device for the wet treatment, removal of moisture from, and drying of. F. G. Schumacher. 2,004,419; June 11.
Bank bandit trap. W. B. Coleman and F. J. Ebel. 2,004,551; June 11.
Bar; *See*—
Handle bar.
Barrel drum beading machine, Metal. B. J. Lindgren. 2,004,816; June 11.
Battery; *See*—
Storage battery.
Battery charging system, D. C. Prince. 2,004,767; June 11.
Battery clamp device. E. A. Duval. 2,004,653; June 11.
Battery separator, Storage. L. E. Wells. 2,004,304; June 11.
Beam, Structural. G. A. Hughes. 2,004,894; June 11.
Beans, Treating cacao. J. J. Rajda. 2,004,497; June 11.
Bearing; *See*—
Crankshaft bearing. Shaft bearing.
Bed. R. Boyd. 2,004,549; June 11.
Belt, Apparel. I. E. Mather. 2,004,477; June 11.
Belt for personal wear. M. Luftig. 2,004,412; June 11.
Belt, Transmission. A. B. Merrill. 2,004,479; June 11.
Binder, Corn. T. C. Askland. 2,004,090; June 11.
Binder, Loose leaf. G. H. Dawson. 2,004,570; June 11.
Binder, Loose leaf. W. Shewell and H. A. Cherry. 2,004,837; June 11.
Block; *See*—
Leveling and adjusting. Starting block.
block.
Blotting attachment for pens. R. Innes. 2,004,870; June 11.
Board; *See*—
Shirt board.
Boards, Attaching floor. O. L. Johnson. 2,004,917; June 11.
Board of the tongue and groove type. F. W. Cherry. 2,004,193; June 11.
Bobber. J. W. Menefee. 2,004,414; June 11.
Bobbin traverse motion. E. K. Gladding and D. F. Evans. 2,004,162; June 11.
Bogie for vehicles traveling upon rails. J. Worms. 2,004,845; June 11.
Boiler. H. J. Kerr. 2,004,895; June 11.
Bolt, Panic. N. B. Hurd. 2,004,811; June 11.
Bookbinding. M. Wolfson. 2,004,482; June 11.
Books and the like, Facilitating reference to and reading of. H. A. Thomson. 2,004,450; June 11.
Boring machine. A. Storm and T. Thorsen. 2,004,228; June 11.
Bottle bottom inserting and spinning mechanism for paper bottle making machines. A. Bodor. 2,004,186; June 11.
Bottle Closure. A. Fonyo. 2,004,690; June 11.
Box; *See*—
Collapsible miter box. Suit box
Box framing machine. H. E. Twomley. 2,004,355; June 11.
Box. E. Wolf. 2,004,358; June 11.
Box making machine. G. F. Ford and W. F. Pittman. 2,004,604; June 11.
Box structure. A. S. Ethridge. 2,004,197; June 11.
Bracket; *See*—
Roof gutter bracket. Table-net bracket.
Brake; *See*—
Fluid pressure brake. Vehicle brake.
Remote controlled brake.
Brake. F. H. Wandell. 2,004,842; June 11.
Brake head. H. E. Anderson. 2,004,743; June 11.
Brake linings, Method and apparatus for impregnating. C. P. Brockway. 2,004,267; June 11.
Brake shoe. E. C. Folsom. 2,004,278; June 11.
Braking member. E. J. W. Ragsdale. 2,004,829; June 11.
Breathing apparatus, Operating. A. Bloch. 2,004,243; June 11.
Bridge bidding machine. F. B. Watkins. 2,004,513; June 11.
Bridge control system. J. A. Setter. 2,004,770; June 11.
Brush and stubble cutter. L. E. Carter. 2,004,100; June 11.
Brush, Massage. S. C. Miller. 2,004,633; June 11.
Bucket. L. B. Schauer. 2,004,637; June 11.
Buckle. D. J. Harvey. 2,004,406; June 11.
Buffing or polishing wheel. A. S. Yohe. 2,004,623; June 11.
Building construction. G. E. Whittenour. 2,004,739; June 11.

Building materials, Production of porous. H. Wolf, H. Leuchs and H. Saenger. 2,004,545; June 11.
Bung withdrawal machinery. A. M. Munzinger. 2,004,211; June 11.
Burner; *See*—
Gas burner. Oil burner
Bushing. R. C. Evans. 2,004,784; June 11.
Cabinet for electromechanical oscillators, Temperature controlled. R. B. Meyer. 2,004,125; June 11.
Cabinet, Pattern selection. H. E. Nock. 2,004,900; June 11.
Cable and making same. H. R. Massingham. 2,004,612; June 11.
Cable, Electrical conductor. J. L. Alden. 2,004,592; June 11.
Cable stranding machine. A. R. Petterson. 2,004,634; June 11.
Calipering mechanism. M. H. Arms and J. B. Johnson. 2,004,361; June 11.
Can accessory, Paint. J. W. Kent and E. P. Peters. 2,004,285; June 11.
Can cover. W. A. Rathbun and F. J. Doyle. 2,004,675; June 11.
Candler and grader combined. Egg. O. Niederer. 2,004,338; June 11.
Cap, Ventilated engineer's. R. Klein. 2,004,913; June 11.
Caps, Manufacturing hot. H. R. Sage. 2,004,396; June 11.
Car construction. G. T. Johnson. 2,004,330; June 11.
Car coupler. A. C. Schmohl and H. N. D. Asper. 2,004,221; June 11.
Car end, Pressed steel. J. P. Gallagher. 2,004,190; June 11.
Car, Hand. A. G. Seitter. 2,004,676; June 11.
Carbon removing composition. C. R. Keen and C. E. Meore. 2,004,628; June 11.
Carburetor. F. H. Heltger. 2,004,242; June 11.
Card holder. L. I. Wells. 2,004,401; June 11.
Carrier; *See*—
Pneumatic carrier.
Carton, Folding. E. B. Whitehead. 2,004,908; June 11.
Cartridge fuse extractor. J. J. Dante. 2,004,314; June 11.
Case; *See*—
Pocket case.
Casting apparatus. E. Beringer. 2,004,457; June 11.
Casting method and apparatus. L. M. Patterson. 2,004,340; June 11.
Catalytic apparatus. A. O. Jaeger. 2,004,758; June 11.
Catalytic dehydration. M. Mueller-Cunradi and E. Ober. 2,004,521; June 11.
Catch, Safety. C. S. Oakey. 2,004,795; June 11.
Cathode ray apparatus. A. V. Bedford. 2,004,099; June 11.
Cathode ray tube. C. W. Becker. 2,004,646; June 11.
Ceiling, Sleeping car. L. E. Marchant. 2,004,898; June 11.
Cellulose derivative products, Production of. H. Dreyfus. 2,004,273; June 11.
Cement and the like, Manufacture of hydraulic. K. Middelboe. 2,004,381; June 11.
Cement, Production of hydraulic. G. O. Case. 2,004,463; June 11.
Centrifugal machine. W. Buddeberg. 2,004,268; June 11.
Centrifugal separator. C. G. Hawley. 2,004,468; June 11.
Chain; *See*—
Universal joint chain.
Chair; *See*—
Wheel chair.
Chair. F. G. Brixner. 2,004,718; June 11.
Charge forming device. J. W. Hogg. 2,004,869; June 11.
Chaser holder. H. A. Maurer. 2,004,333; June 11.
Chemical digestions, Apparatus for use in. A. Henwood and R. M. Garey. 2,004,868; June 11.
Cigarette, Self lighting. V. C. Rowe. 2,004,394; June 11.
Cigarettes, Manufacture of. S. W. Hunker. 2,004,461; June 11.
Cinder chrome building unit. A. Hede. 2,004,323; June 11.
Circuit, Glow discharge tube. F. Schröter. 2,004,587; June 11.
Circuit, Transmission control. B. G. Bjornson. 2,004,598; June 11.
Clamping device for weft replenishing looms. R. G. Turner. 2,004,302; June 11.
Clasp. E. Morehouse. 2,004,336; June 11.
Clasp or connecting device for straps, bands, and bracelets, Extendible. C. H. Kestenman. 2,004,206; June 11.
Cleaner; *See*—
Air cleaner. Suction cleaner.
Cleaning apparatus and method, Dry. J. E. Martin. 2,004,376; June 11.
Cleaning method and apparatus. J. E. Martin. 2,004,375; June 11.
Clearance regulator. C. E. Wyrick. 2,004,264; June 11.
Clip; *See*—
Self tying clip.
Clip. G. G. Wasson. 2,004,231; June 11.
Clip for chassis and body, Cable supporting. E. J. Sinnaeve. 2,004,353; June 11.
Clock. A. F. Benson. 2,004,909; June 11.
Clock movement. M. Knobel. 2,004,814; June 11.
Clutch. A. J. Meyer. 2,004,291; June 11.
Clutch. F. E. Munschauer. 2,004,794; June 11.
Clutch device for variable speed transmission mechanism. J. Eckhard. 2,004,750; June 11.
Clutch mechanism for engine starters. J. W. Fitz Gerald. 2,004,431; June 11.
Coaster. S. J. Low. 2,004,166; June 11.
Cock with relief valve, Automatic cylinder. A. G. Hollingshead and C. W. Ploen. 2,004,697; June 11.
Coin collecting apparatus. P. E. Mills. 2,004,615; June 11.
Coin slide. H. G. Breitenstein. 2,004,189; June 11.
Collapsible miter box. R. R. Sefl. 2,004,475; June 11.
Collar-stay. H. T. Krick. 2,004,288; June 11.
Color system, Additive fixed filter. W. A. Koskon. 2,004,442; June 11.
Compact, One hand. C. Weeks. 2,004,424; June 11.
Compensator. C. E. Wyrick. 2,004,263; June 11.
Composite structure. A. C. Wallen and T. J. Crawford. 2,004,907; June 11.
Compressor. B. Bogoslowsky. 2,004,563; June 11.
Compressor. E. Kügl. 2,004,726; June 11.
Compressor. C. Schnar. 2,004,474; June 11.
Compression unit. P. A. Celander. 2,004,889; June 11.
Condenser; *See*—
Electric condenser. Electrical condenser.
Conductor, Electrical. D. R. G. Palmer. 2,004,901; June 11.
Conductor, Electrical. A. B. Smedley. 2,004,589; June 11.
Confection. H. C. Gibson. 2,004,863; June 11.
Connecter; *See*—
Electrical connecter.
Container; *See*—
Metal container. Nonresealable container.
Container. E. W. Curtis, Jr. 2,004,501; June 11.
Container. G. C. Erb. 2,004,104; June 11.
Container. M. S. MacNaught. 2,004,878; June 11.
Container. A. Ratcliff. 2,004,218; June 11.
Container closure. H. B. Hemb. 2,004,407; June 11.
Container closure. M. R. Williams. 2,004,844; June 11.
Container for absorbent cotton. G. B. Meagher. 2,004,614; June 11.
Container for spectacle temples. G. E. Nerney. 2,004,415; June 11.
Container transfer apparatus. F. W. Hankins. 2,004,095; June 11.
Containers, Producing. O. Hofmann. 2,004,164; June 11.
Control apparatus for refrigeration machines. G. E. Hulse. 2,004,503; June 11.
Control device. D. H. Mitchell. 2,004,918; June 11.
Control equipment, Automatic. H. Bany. 2,004,776; June 11.
Control for baby carriages, Foot. J. Michal. 2,004,470; June 11.
Control regulator motor, Remote. E. H. White. 2,004,622; June 11.
Control system, Remote. A. B. Miller. 2,004,209; June 11.
Controlling system for sound recording devices. F. Hall. 2,004,893; June 11.
Cooking machine. E. A. Brunelle. 2,004,500; June 11.
Core compound. H. L. Quandt and J. J. Horak. 2,004,344; June 11.
Corn picker. W. B. Thieman. 2,004,711; June 11.
Correspondence sheet. H. Bruce. 2,004,688; June 11.
Counter. E. A. Slye. 2,004,881; June 11.
Coupling; *See*—
Pipe coupling. Shaft coupling.
Coupling to substitute an internal gear, Elastic. F. R. Ibañez. 2,004,325; June 11.
Cover; *See*—
Can cover.
Covering for buildings, Roof and side. I. A. Keyeswetter. 2,004,575; June 11.
Crankshaft bearing. A. Taub. 2,004,254; June 11.
Crate. W. W. Birnstock. 2,004,847; June 11.
Crystal holder. W. Moser and L. Lang. 2,004,170; June 11.
Cup; *See*—
Packing cup.
Curtain supporting arrangement. E. R. Widman. 2,004,262; June 11.
Cushion pads, Method and machine for making. G. A. Gerard. 2,004,658; June 11.
Cutter; *See*—
Brush and stubble cutter. Potato cutter.
Cutting and grinding mill, Combination. O. N. Gredell. 2,004,753; June 11.
Cyanide process and the product. E. J. Franke. 2,004,130; June 11.
Cylinder packings, Making. P. W. Dempsey. 2,004,652; June 11.
Cylinder, Printing. O. R. Schultz. 2,004,436; June 11.
Cylinder ridge reamer. H. W. Zimmerman. 2,004,741; June 11.
Deibrating. C. H. Reynell and A. J. V. Ware. 2,004,731; June 11.
Detector; *See*—
Overflow detector.
Diagnostic instrument. G. R. Gallasch. 2,004,808; June 11.
Die stock. W. O. Thewes. 2,004,639; June 11.
Diesel engine. F. Lang. 2,004,631; June 11.
Diffusion. J. Berg6. 2,004,181; June 11.

Dinger. C. Boehnke. 2,004,459; June 11.
Direction indicator. J. L. Trotter and V. Hall 2,004,557; June 11.
Discharge and water control for concrete pavers. Automatic. G. E. Blood. 2,004,234; June 11.
Discharge tube. W. Schottky. 2,004,175; June 11.
Dish. G. S. Stanley. 2,004,449; June 11.
Disk, Grinding. C. Krug. 2,004,630; June 11.
Dispenser: See—
Toothpick dispenser.
Dispenser. E. Conti. 2,004,520; June 11.
Dispensing attachment for containers. L. Rothchild and R. T. Anderson. 2,004,295; June 11.
Dispensing valve. C. A. Fausel. 2,004,161; June 11.
Door locking and operating device. W. W. Eager and C. A. Tierney. 2,004,429; June 11.
Door reinforcement and lock mounting. Metal. W. R. Schlage. 2,004,510; June 11.
Door support and coupling, Adjustable. E. Bommer. 2,004,167; June 11.
Draft means for incinerators, Gross. E. W. Strube. 2,004,754; June 11.
Drier: See—
Fruit drier.
Drier. J. E. Kelley. 2,004,488; June 11.
Drink mixer. A. M. Lutes. 2,004,373; June 11
Drive, Starter. M. P. Whitney. 2,004,643; June 11.
Driving means for electric generators. TJ. Silber 2,004,224; June 11.
Driving mechanism for calculating machines. A. A. Horton. 2,004,282; June 11.
Drum, Collapsible. F. B. Pfeiffer. 2,004,797; June 11.
Drum tumbler used in mixing paint, Cylindrical. A. C. Schmohl. 2,004,222; June 11.
Dyestuff images, Producing photographic. B. Gaspar 2,004,625; June 11.
Dyestuff preparation for printing cotton, Vat and sulphur H. Berthold. 2,004,458; June 11.
Elector. J. O. Fink. 2,004,277; June 11.
Electric apparatus. R. E. Park, Jr 2,004,616; June 11.
Electric condenser. K. Beer and G. Pfrommer. 2,004,647; June 11.
Electric discharge device, Gaseous. C. Bol and E. G Dorzelo. 2,004,565; June 11.
Electric discharge device, Gaseous. M. Pirani. H. Ewest, and G. Gaidies. 2,004,585; June 11.
Electric discharge device, Gaseous. H. Lems. 2,004,578; June 11.
Electric switch. F. W. Sonn. 2,004,772-3; June 11.
Electric switching. O. P. McCarty. 2,004,792; June 11
Electrical conducting system. F. Harvey. 2,004,527; June 11.
Electrical connecter. F. C. Bradley. 2,004,550; June 11.
Electrical connecter. R. E. Farish, Jr. 2,004,105; June 11.
Electrical measuring system. B. A. G. Churcher 2,004,780; June 11.
Electrical system. E. L. Bowles. 2,004,155; June 11.
Electrical system for internal combustion engines. D. I. Wertz. 2,004,642; June 11.
Electrometric determinations. A. H. Davis, Jr. 2,004,569. June 11.
Electron discharge device. F. W. Hehlgans. 2,004,790; June 11.
Electron discharge tube. F. D. Goodchild and W. E Benham. 2,004,605; June 11.
Electrostatic generator. A. W. Simon. 2,004,352; June 11.
Emblem or sign. W. F. Price. 2,004,635; June 11.
Enamel and sprayed metal, Combination of. I. V. Brumbaugh. 2,004,567; June 11.
Enameling. W. G. Martin. 2,004,632; June 11.
Engine: See—
Diesel engine. Sinclair leeve valve engine
Engine and drive means, Unit assembly. A. C. Peterson 2,004,215; June 11.
Envelope. J. Sawdon and V. J. Sawdon. 2,004,733; June 11.
Exterminator for insects. G. Vinson. 2,004,841; June 11.
Extractor: See—
Cartridge fuse extractor
Eyeglasses and the like. P. H. Meyer. 2,004,445; June 11.
Eye set for dolls. N. Popovich. 2,004,173; June 11
Eyebrows, Shaping or arching. W. Meyer. 2,004,581; June 11.
Eyelets on meat saws and the like, Forming C. A. Laemmel. 2,004,700; June 11.
Fabric, Knitting tubular. S. Krautkopf. 2,004,699; June 11.
Fabrics and producing same, Porous rubberized. P. H. Head. 2,004,110; June 11.
Fan. G. de Rothezat. 2,004,571; June 11.
Fastening device. G. A. Tinnerman. 2,004,679; June 11.
Fastening for jewelry. T. S. Bennett. 2,004,779; June 11.
Faucet, Bung. A. Ferrari, M. Scalione, and C. Rafanelli 2,004,860; June 11.
Feeding and shearing mechanism. L. Iversen. 2,004,871; June 11.
Felt punching machine. R. S. Phillips. 2,004,709; June 11.
Fence post. W. J. Kibler. 2,004,629; June 11.
Fertilizer from cellulose materials by bacterial action, Production of. F. Nuske. 2,004,706; June 11.
Filaments, threads, ribbons, films, and the like, Production of artificial. H. Dreyfus. 2,004,271; June 11.
Filling machine. A. Andreas. 2,004,593; June 11.
Finishing strip. F. A. Best 2,004,364; June 11.
Fishhook. W. I. Foote. 2,004,316; June 11.
Fish stringer. B. V. McCaul. 2,004,247; June 11.
Fixture for turning or grinding ovals. A. J. Hurt. 2,004,285; June 11.
Flash tester for high tension electric currents. E. Bidwell. 2,004,365; June 11.
Flasks, Shaking out. W. F. Piper. 2,004,293; June 11.
Flat elements one at a time, more especially for delivering envelopes to an obliterating machine, Apparatus for delivering. A. Vorms. 2,004,882; June 11.
Flat screen frame. J. J. Moraver. 2,004,597; June 11
Flooring material, Composite. H. C. Harvey. 2,004,723; June 11.
Flow controlling mechanism. R. E. Warren. 2,004,423; June 11.
Flow indicator. W. C. Kleinfelder. 2,004,611; June 11.
Fluid driven and driving apparatus. H. Föttinger. 2,004,279; June 11.
Fluid moving apparatus, Centrifugal. H. F. Hagen. 2,004,516; June 11.
Fluid pressure brake. C. C. Farmer. 2,004,654; June 11.
Fluid pump. J. W. Murphey. 2,004,337; June 11.
Fluid transmission. E. J. Svenson. 2,004,399; June 11.
Flushing tank. T. A Lyons. 2,004,504; June 11.
Fork, Table. R D. Groch. 2,004,659; June 11.
Form, Adjustable. S. I. Bush. 2,004,462; June 11.
Form, Shoe. W. J De Witt. 2,004,157 9; June 11.
Frame: See
Flat screen frame Spinning frame
Frame for bags, purses, and the like. B. Blacher. 2,004,185; June 11
Freezer power attachment. I Jeppsson. 2,004,245; June 11.
Fruit drier. F. S. Colvin and J. V Rogers. 2,004,269; June 11.
Fruit jar tool. P. R Brause. 2,004,485; June 11.
Fruit pitting device with vibratory pitting means A R Thompson. 2,004,301; June 11.
Fuel conditioning device. E. N. Sorensen. 2,004,252; June 11.
Fuel products, Motor. R E Wilson. 2,004,560; June 11
Fuel regulator, Automatic C. L. Stokes. 2,004,178; June 11.
Furnace: See
Rotary furnace
Furnace for black liquor, Smelting. A. G Kernin 2,004,205; June 11
Furnace regulator. T. J. Long 2,004,666; June 11
Furniture. J. P. Klesecker. 2,004,287; June 11
Furniture, Folding. G A Knott. 2,004,896; June 11
Fuse, Electric. H. T. Bussmann. 2,004 191; June 11
Fuse mechanism E. G. Johansson 2,004 328; June 11
Fuse switch, High tension. T. E. Murray, Jr. 2,004,212. June 11.
Game. J. L. Perkins 2,004 707; June 11.
Game, Pin ball amusement. H. G. Breitenstein. 2,004,190; June 11.
Garment, Foundation K. E Cunningham 2,004,854; June 11
Garment hanger. C. W Kellerth 2,004,284; June 11
Garment pressing machine. E H Zacharias. 2,004,547; June 11.
Garment supporting means. A. Simpson 2,004,481; June 11.
Gas, Apparatus for diluting H Cleevely. 2,004,311; June 11.
Gas burner. T. J. Forster. 2,004,317; June 11
Gas fuel feed device. D W Davisson, F. G Welke, and A. C. Maynard 2,004,403; June 11
Gas purifier for vehicles, Exhaust J. Grison 2,004,865. June 11.
Gas treating apparatus. C B. Grady 2,004 108; June 11.
Gauge: See—
Shingle gauge
Gauge plate construction J Folk 2,004 603; June 11
Gear: See—
Steering gear.
Generator: See—
Electrostatic generator. Oscillation generator
Low voltage generator.
Girdle. H. V Reidenbach. 2,004,730; June 11
Glass, Manufacture of safety. C. W Bonniksen 2,004,518; June 11.
Glass transfer apparatus, J. C. E. Schwab 2,004,349. June 11.
Glove, Swimming. E B Bell 2,004 684; June 11.
Glove, Work. R. C. Pallckl 2,004,382; June 11
Goggle support. O. A. Livengood 2,004,701; June 11
Gold Inlays, Manufacture of. J. A. Daly. 2,004,747. June 11.
Governor for gas electric power units, Speed H D Gamper 2,004,404; June 11
Governor for hydraulic drives, Speed E S Smith, Jr 2,004,638; June 11
Grader, Tractor drawn J J Allison and J P Ivy 2,004,846; June 11.
Grinding machine. C Booth 2,004,127; June 11
Grinding machine. C Booth and F S Haas 2,004 426 June 11
Grinding mill. W. P Martin. 2,004,704. June 11

Guard and check, Check opening. B D. Weller 2,004,357; June 11.
Gun, Muzzle loading grease. S. J. Krannak. 2,004,664; June 11.
Gun reservoir, Spray. W. O. Gee, Jr. 2,004,574; June 11.
Gun, Spray. F. Wahlin. 2,004,303; June 11.
Gutter hanger. H. R. Feltman. 2,004,861; June 11.
Hair curler. H. H. Klein. 2,004,760; June 11.
Hair curling device. R. Pezzella. 2,004,249; June 11.
Hair waver rod, Expanding. F. Binder. 2,004,366; June 11.
Hammer, Power. C. V. Adams. 2,004,180; June 11.
Handle. W. A. Ready. 2,004,538; June 11.
Handle bar. B. J. Anderson. 2,004,089; June 11.
Handle for rattles, Flexible. A. Zadek and I. E. Cohn. 2,004,265; June 11.
Hanger: See—
Garment hanger. Gutter hanger.
Hanger for cables of overhead lines. F. Hager. 2,004,695; June 11.
Harvester. W. J. Coultas and N. F. Andrews. 2,004,720; June 11.
Harvester. F. A. Thomann. 2,004,713; June 11.
Headlight and spotlight device for toy vehicles. A. C Korte. 2,004,791; June 11.
Headlight, Automobile. C. M. Rice. 2,004,831; June 11.
Health promoting machine. W. J. Nelson. 2,004,671; June 11.
Heat, Apparatus for the distribution of. W. Dériaz 2,004,857; June 11.
Heat exchange apparatus. C. H. Leach. 2,004,469; June 11
Heat exchanger. J. Benzinger. 2,004,390; June 11.
Heat exchanger. J. Price and R. C. Jones. 2,004,391; June 11.
Heat indicator. L. Boddy. 2,004,091; June 11.
Heat treatment of saws, etc. A. M. Remington. 2,004,174; June 11.
Heater apparatus. R W. Augstman. 2,004,151; June 11
Heater for laundry ironers. N L. Etten. 2,004,430. June 11.
Heater for oil wells, Chemical. J. R Vandever. 2,004,452. June 11.
Helicopter T. T Clausen. 2,004,310; June 11.
High potential or current indicator. J. Rah 2,004,392; June 11.
Hinges, Making J F Hines. 2,004,810; June 11.
Hitch connection T W. Paul. 2,004,213; June 11
Holder: See
Article holder. Crystal holder.
Bail holder. Meat holder.
Card holder. Staff holder.
Chaser holder. Strap holder
Holder B S Alsop 2,004,088; June 11
Holder and clamp, Combined work J Folk 2,004,602. June 11.
Household tool J. P. Foeckler, Sr. 2,004,524; June 11
Hub with brake, Spring mounted cycle. F. Winkler 2,004,740; June 11.
Humidifier S. W. Mears 2,004,821; June 11.
Humidifying system R. H. Worrall 2,004,147; June 11
Humidity controlled valve. J. H. Simpson. 2,004,251. June 11.
Husker, Pea C. A. Michels. 2,004,379; June 11
Hydraulic apparatus. D. H. Montgomery 2,004,793. June 11.
Hydrocarbons, Treating M. E. Bretschger and E. A Bosing 2,004,849; June 11.
Hydrocarbons, Treatment of C. L. Thompson, T. S Bacon and J. E. Bludworth. 2,004,744; June 11
Hydrogen peroxide solutions with pyrophosphoric acid plus a tin compound, Stabilizing H N. Gilbert and J. S Reichert. 2,004,809; June 11
Imidozole derivatives useful especially as textile assistants and making same. C. Graenacher and F. Ackermann. 2,004,864; June 11
Indicating apparatus T. J. Smulski 2,004,421; June 11
Indicator: See—
Direction indicator. High potential or current indicator.
Flow indicator.
Heat indicator.
Injector E Henkel, A. Williams, and R M Ostermann 2,004,281; June 11
Instrument for testing the pitch of threads A Stehle 2,004,225; June 11.
Insulating composition for impregnating electrical tape F M Clark and R. A Ruscetta 2,004,781; June 11.
Iron, Acetylene burning. J. L. Roberts 2,004,832; June 11.
Ironing device S. H. Seldman and A. F Roath 2,004,384; June 11
Ironing machine. J. T Hume and H L. Hart 2,004,105; June 11.
Jack for knitting machine needles E O Roy. 2,004,647; June 11.
Joint: See—
Universal joint.
Kitchen implement. E. J. Dean 2,004,782; June 11
Knitting machine S A. Welch, A F Guyler, J T Ashby and W H Boaler 2,004,260; June 11.
Knitting machines, Fashioning attachment for M Philip 2,004,584; June 11
Lace, Elastic F Lutzmann, Jr 2,004,702; June 11
Lacquer enamel. H. W. Battle, Jr. 2,004,514; June 11.
Lady's hand bag. M. Sachs. 2,004,220; June 11.
Lamp device, Gaseous electric discharge. C. Bol. 2,004,564; June 11.
Lantern, Hurricane. B. Nier. 2,004,826; June 11.
Latex, Preservation of. W. E. Cake. 2,004,156; June 11.
Lead, Tetra alkyl. F. B. Downing, A. E. Parmelee, C. J. Pedersen, and J. L. Stecher. 2,004,160; June 11.
Leather, Production of. G. R. Pensel. 2,004,472-3; June 11.
Lens. R. Kovac. 2,004,443; June 11.
Lens and making the same, Ophthalmic. M. A. Laabs. 2,004,815; June 11.
Leveling and adjusting block. L. Fithian. 2,004,238; June 11.
Light amplifier. O. Schriever. 2,004,177; June 11.
Lighting fixture. R. B. Benjamin. 2,004,183; June 11.
Line tapping device, Fusible. C. H. Walsh. 2,004,621; June 11.
Lining, Necktie. B. R. Nyhagen. 2,004,766; June 11.
Link, Repair. L. Stowe. 2,004,677; June 11.
Liquid level regulator. H. Hillier. 2,004,529; June 11.
Liquids, Mechanism for disintegrating frozen. G. Mudly. 2,004,582; June 11.
Liquid sampling device. M. J. Carpinello. 2,004,568; June 11.
Liquids and mixtures, Apparatus for dispersing. E. F. van Suchtelen. 2,004,840; June 11.
Liquids, Apparatus for expressing. S. Hiller. 2,004,408; June 11.
Loading and carrying means. I. H. Judd. 2,004,439; June 11.
Loading tool. S. R. Siebert and L. King. 2,004,420; June 11.
Lock. R. P. Bayko. 2,004,746; June 11.
Lock. J. W. Fitz Gerald. 2,004,432-4; June 11.
Lock. E. N. Jacobi. 2,004,435; June 11.
Locking device. G. Laput. 2,004,761; June 11.
Lock seams, Making. Q. G. Noblitt. 2,004,535; June 11.
Locomotive construction. E. W. Albers. 2,004,742; June 11.
Loom, Felt punching. R. H. Johnson. 2,004,725; June 11.
Loom, Shuttle changing. L. S. Vose. 2,004,681; June 11.
Looms, Mechanism for actuating the play of weaving. P. Breddin and O. Wittmers. 2,004,306; June 11.
Loudspeaker. A. A. Thomas. 2,004,735; June 11.
Loud speaker, Electrostatic. A. A. Thomas. 2,004,736; June 11.
Low voltage generator. H. G. Fischer, P. P. Muskat, and D. E. Richardson. 2,004,751; June 11.
Machine for cutting potatoes or other objects into chips or slices. G. J. Abbott. 2,004,548; June 11.
Machine for pressing shoe soles. A. Y. Chavoor. 2,004,309; June 11.
Machine or apparatus for threading buttons on to a wire or wires or the equivalent. V. J. Clarkson. 2,004,464; June 11.
Machine plates, Preparation of talking. A. O. Thomae. 2,004,400; June 11.
Magnesium and magnesium alloys prior to casting, and flux therefor, Melting and or refining of. L. G. Day 2,004,689; June 11.
Magnet controlled switch. H. Hubbell. Jr. 2,004,114; June 11.
Mandrel. R. T. Gillette. 2,004,787; June 11.
Maneuvering means for under water salvage equipment. E. J. Romano. 2,004,133; June 11.
Manhole frame and cover. M. W. Merriman. 2,004,335; June 11.
Manifold system for internal combustion engines. J. F. Chapman and F. E. Dayes. 2,004,192; June 11.
Map, Educational C B Hamilton. 2,004,241; June 11.
Massage apparatus. J. M Davies. 2,004,428; June 11
Match A O. Jaeger. 2,004,436; June 11
Material, Apparatus for cooking. V. Wright. 2,004,775; June 11.
Material strength testing machine. L. H. Hounsfield 2,004,660; June 11
Materials, Manufacture or treatment of artificial. H Dreyfus. 2,004,274; June 11.
Materials, Packaging sheet. G. L. Hann. 2,004,626; June 11.
Mattresses, Apparatus for making shape retaining fiber W H Waters and J. S. Kern. 2,004,544; June 11.
Measuring device. L. A Von Till. 2,004,230; June 11.
Measuring instrument E P Herzog. 2,004,724; June 11.
Measuring the distance of an aircraft from ground, H. Junkers and H. Wigge 2,004,662; June 11.
Meat holder R. L. Ingram and H. P. Adler. 2,004,757; June 11.
Mercapto compounds and preparing the same, Hydroxy aryl K W. Palmer. 2,004,728; June 11.
Metal and bearing, Bearing. C. Pfanstiehl. 2,004,708; June 11.
Metal container W. F. Punte. 2,004,828; June 11.
Metal container, Sheet. J. Coyle. 2,004,852; June 11.
Metal sheets and strips, Method and apparatus for manufacturing. F. C. Biggert, Jr. 2,004,596; June 11.
Metals, Separation of. C. Müller, L. Schlecht, and E. Kennecke. 2,004,534; June 11.
Meter mechanism, Prepayment. R C Grasehy. 2,004,526; June 11.

Microscope illuminator. G. A. Ellestad. 2,004,806; June 11.
Mill: *See*—
Cutting and grinding mill. Grinding mill.
Milling machine organization. E. J. Kearney, F. A. Parsons, and J. B. Armitage. 2,004,441; June 11.
Minnow trap. M. E. McSwain. 2,004,899; June 11.
Mixer: *See*—
Drink mixer.
Mold: *See*—
Tire retreading mold.
Money counting machine. E. P. Schneider. 2,004,835; June 11.
Mops, Making. R. J. Badgley. 2,004,804; June 11.
Motor: *See*—
Control regulator motor. Stoker motor.
Motor controller, Sewing machine. H. L. Zabriskie. 2,004,498; June 11.
Motor for pumping mechanisms. W. H. Wineman. 2,004,146; June 11.
Mounting, Adjustable shaft. D. M. Blackburn. 2,004,562; June 11.
Mounting for electrical apparatus. E. H. Jones. 2,004,610; June 11.
Mounting, Motor. C. A. Olson and G. A. Patterson. 2,004,536; June 11.
Mounting, Resilient. C. W. Mapes. 2,004,532; June 11.
Mounting, Telescope sight. F. A. Kuhn. 2,004,489; June 11.
N(p-amino-phenyl) morpholine and preparing the same. H. A. Lubs. 2,004,763; June 11.
N(p-amino-phenyl) morpholine, Preparation of. H. A. Lubs and G. C. Strouse. 2,004,764; June 11.
Nail-distributor. C. H. Balcom. 2,004,253; June 11.
Neckwear. A. T. Lapham. 2,004,490; June 11.
Nitrogen in nitrosyl chloride, Utilizing the. O. Kaselitz. 2,004,663; June 11.
Nonresealable container. H. R. Stewart. 2,004,512; June 11.
Nutrient medium, Manufacture of a. E. Pieper and W. Wolffenstein. 2,004,673; June 11.
Oil and making the same, Hydrocarbon. H. G. M. Fischer and C. E. Gustafson. 2,004,094; June 11.
Oil burner. A. R. Stevenson, Jr. 2,004,771; June 11.
Oil burning apparatus. H. F. Rodler. 2,004,346; June 11.
Oil compound, Core. H. L. Quandt and J. J. Horak. 2,004,345; June 11.
Oil cracking apparatus. F. M. Pyzel. 2,004,217; June 11.
Oil leaks in cable systems, Detecting and ascertaining the region of. G. B. Shanklin. 2,004,769; June 11.
Oils, Apparatus for burning heavy fuel. E. J. Faccini and J. Capra. 2,004,275; June 11.
Oils into low boiling hydrocarbon oils, Conversion or cracking of high boiling hydrocarbon. J. D. Seguy. 2,004,223; June 11.
Opener and spout, Combination cardboard box. J. T. Cooney. 2,004,800; June 4.
Opener, Package. W. P. Martin. 2,004,377; June 11.
Operating device for car couplers. A. E. Small. 2,004,588; June 11.
Optical compensator. J. F. Leventhal. 2,004,120; June 11.
Organ, Pipe. A. H. Marks. 2,004,168; June 11.
Oscillation generator. H. Muth and W. Runge. 2,004,171; June 11.
Oven regulator. F. E. Birtch. 2,004,597; June 11.
Overflow detector. C. A. Fieberling. 2,004,502; June 11.
Oxidation products and apparatus therefor, Recovery of vapor phase. R. Riegler. 2,004,586; June 11.
Packing arrangement for electrical machines. A. Kazenmaier, F. Allendorff, and A. Schmid. 2,004,440; June 11.
Packing cup. R. E. Miller. 2,004,669; June 11.
Packing liner. W. Fean. 2,004,315; June 11.
Pad: *See*—
Shoulder pad.
Pads, Method and apparatus for making sealed. G. A. Gerard. 2,004,657; June 11.
Paint brush protector. G. S. Hanson. 2,004,320; June 11.
Pan for cement mixers. C. Fanfarillo. 2,004,276; June 11.
Paper dispensing, Absorbent. V. Voorhees. 2,004,143; June 11.
Paper handling. J. Q. Sherman. 2,004,395.
Paper receptacle. W. S. Luckett. 2,004,818; June 11.
Pattern maker's tool. J. E. Blumberg. 2,004,499; June 11.
Pelvic attachment for artificial legs. G. Dorsch. 2,004,447; June 11.
Pen, Fountain. R. B. Watson. 2,004,641; June 11.
Pest exterminator. R. B. Lobl, Jr. 2,004,121 3; June 11.
Petroleum oils, Treating. C. P. Dubbs. 2,004,196; June 11.
Phase shifting apparatus. L. A. Mecham. 2,004,613; June 11.
Phenyl carbonates of aminopropanediols. T. H. Rider. 2,004,152; June 11.
Photo-electric tube. F. Schröter and O. Schriever. 2,004,176; June 11.
Photo-micrographic apparatus. G. Fassin. 2,004,807; June 11.
Pictures, Apparatus for telegraphically transmitting colored. A. A. Ahronheim. 2,004,359; June 11.
Pictures or scenes, Method and apparatus for telegraphically transmitting colored moving. A. A. Ahronheim 2,004,360; June 11.
Piling, Reverse angle interlock. A. Borberg. 2,004,188; June 11.
Pin retaining means. H. W. Stertzbach, J. S. McPherson, and A. H. Filander. 2,004,300; June 11.
Pin for routers, Adjustable stop. C. L. White and G. T. Johnson. 2,004,738; June 11.
Pintle for hinges, Expanding. F. W. Becker and R. P. Klusley. 2,004,561; June 11.
Pipe bend. E. G. Luening. 2,004,491; June 11.
Pipe coupling, Train. H. F. Woernley. 2,004,644; June 11.
Pipe dangling machine. W. B. Crockett. 2,004,313; June 11.
Pipe, Making wrought iron. E. B. Story and C. E. Gross 2,004,138; June 11.
Pipe wrench. N. G. Rector. 2,004,830; June 11.
Plefon sand core. F. Jardine. 2,004,661; June 11.
Plane, Variable incidence. A. C. Peterson. 2,004,214; June 11.
Planer, Road. W. J. Beatty. 2,004,154; June 11.
Planter attachment for tractors. J. R. Orelind. 2,004,416; June 11.
Platen printing press. L. R. Johnson. 2,004,812; June 11.
Plate and armature bar for the same, Armed wooden. J. B. Een. 2,004,553; June 11.
Platen printing press. H. Honigman. 2,004,149; June 11.
Platen printing press. E. J. Young. 2,004,148; June 11.
Plug: *See*—
Spark plug.
Plugs, Method and apparatus for the manufacture of electrical contact. E. Kleinmann and A. Mendel. 2,004,555; June 11.
Pneumatic carrier. G. H. Ross. 2,004,134; June 11.
Pocket case. P. W. Penta. 2,004,672; June 11.
Post: *See*—
Fence post.
Pot or the like, Beverage. F. E. Wolcott. 2,004,883; June 11.
Potassium oxalate, Making. E. Hene. 2,004,867; June 11.
Potato cutter. G. M. Farnbough. 2,004,858; June 11.
Powder puff and making the same. E. Burkhardt 2,004,307; June 11.
Power control system. B. W. Hamilton. 2,004,478; June 11.
Power generating plant, Unit electric. H. D. Gumpper 2,004,405; June 11.
Power transmission. W. H. Furness. 2,004,572; June 11.
Power unit, Air operated. P. H. Crary. 2,004,853; June 11.
Press: *See*—
Platen printing press. Printing press.
Pressboard. H. Sieb. 2,004,710; June 11.
Press for cementing soles on shoes, Pneumatic. J. L. Thompson. 2,004,541; June 11.
Press-head for stuffing machines. O. C. Schmidt 2,004,618; June 11.
Pressure control for pneumatic tires. L. M. Mercier 2,004,822; June 11.
Pre-welt shaping machine. C. G. Deubel. 2,004,195; June 11.
Priming mixture. W. Brün. 2,004,719; June 11.
Priming mixture. J. D. McNutt. 2,004,505; June 11.
Printing plate and making the same. J. MacLean 2,004,824; June 11.
Printing plates, Photographically producing. W. J. Wilkinson. 2,004,144; June 11.
Printing press. J. F. Sheppard. 2,004,801; June 11.
Product and process for preparing same. W. A. Lazier. 2,004,874; June 11.
Propeller construction, Hollow steel. D. A. Dickey 2,004,102; June 11.
Protective system. R. C. Samuels. 2,004,768; June 11.
Protector: *See*—
Paint brush protector. Under arm protector.
Pulley drum for motor vehicles. D. S. Kennedy 2,004,554; June 11.
Pump: *See*—
Fluid pump.
Pump and electric motor unit, Submersible. J. F. Haldeman. 2,004,866; June 11.
Pumping mechanism. W. H. Wineman. 2,004,145; June 11.
Punching machine. W. W. Lasker. 2,004,208; June 11.
Racket, Tennis. H. Johnston. 2,004,609; June 11.
Radiator and front fender support. R. J. Waterbury. 2,004,258; June 11.
Radiator core. N. S. Diamant. 2,004,890; June 11.
Radio power supply system. A. Crossley. 2,004,368; June 11.
Radio receiving system. A. N. Goldsmith. 2,004,107; June 11.
Radio steering control. T. E. Brockstedt. 2,004,460; June 11.
Radio tube grids, Producing. H. Kershaw. 2,004,246; June 11.
Rafter marking apparatus. R. L. Greve. 2,004,318; June 11.
Railway draft device. E. B. Schrock. 2,004,348; June 11.

Razor blades, Device for grinding and sharpening. F. Somczek. 2,004,838; June 11.
Razor, Safety. J. E. Hedlund. 2,004,322; June 11.
Recuperator for open hearth furnaces. W. H. Fitch 2,004,916; June 11.
Receptacle: *See*—
Paper receptacle.
Receptacle closure. G. F. Ionitz. 2,004,698; June 11.
Receptacle for wrist watch bands and chains, Ornamental link. G. W. Best. 2,004,685; June 11.
Receptacles, Apparatus and method for forming edible. C. W. Howe and J. A. Nevin. 2,004,530; June 11.
Reel. A. S. Howell. 2,004,608; June 11.
Reel supporting mechanism for use in printing machines. C. G. Quick, D. A. Ball, and T. R. Bennett. 2,004,493; June 11.
Reenforcement for mats. O. W. Jackson. 2,004,204; June 11.
Reflector, Adjustable neck. C. T. Von Holtz. 2,004,142; June 11.
Refractory products and the like, Making. C. McMullen. 2,004,378; June 11.
Refrigerator. G. E. Friedrich. 2,004,692; June 11.
Refrigerator, Florist's. G. E. Friedrich. 2,004,691; June 11.
Regulator: *See*—
Clearance regulator. Liquid level regulator.
Fuel regulator. Oven regulator.
Furnace regulator.
Remote controlled brake. C. C. Farmer and R. E. Miller. 2,004,655; June 11.
Resin and coating or plastic composition containing the same. G. W. Seymour and B. B. White. 2,004,297; June 11.
Resin, Mixed ester. I. Rosenblum. 2,004,880; June 11.
Resistor grid for electric furnaces. F. T. Cope. 2,004,851; June 11.
Ringing repeater. A. T. Jester. 2,004,759; June 11.
Rivets, Device for setting tubular. J. B. S. Antelme. 2,004,624; June 11.
Rivets in structural members, Tightening loose. A. G. Leake. 2,004,665; June 11.
Rod: *See*—
Hair waver rod.
Rollers, Manufacture of printing. C. Neubert. 2,004,508; June 11.
Roof construction. J. W. Fall. 2,004,198; June 11.
Roof gutter bracket. J. Sansonetti. 2,004,448; June 11.
Roofing granules, Artificially coloring. S. G. Wright. 2,004,682; June 11.
Rotary furnace. A. G. McGregor. 2,004,334; June 11.
Rotoplane. E. L. Yanchus. 2,004,885; June 11.
Sander, Automobile surface. L. T. Farley. 2,004,859; June 11.
Sash construction. W. E. Keller. 2,004,727; June 11.
Sash ventilator. C. H. Larson. 2,004,762; June 11.
Saw chuck, Scroll. H. E. Tautz. 2,004,678; June 11.
Saw, Electric scroll. E. L. Meyer. 2,004,580; June 11.
Saw frame and guide, Hack. W. H. Kelner. 2,004,286; June 11.
Scale, Balance or weighing. C. A. Becker. 2,004,745; June 11.
Scale, Coin controlled. H. L. Walker. 2,004,179; June 11.
Scale, Egg grading. O. Niederer. 2,004,339; June 11.
Scale, Weighing. E. G. Hedman. 2,004,096; June 11.
Screen from wire, Apparatus and method for forming. D. K. Hopkins. 2,004,409; June 11.
Screens, Cleaning filter. E. H. Payne. 2,004,796; June 11.
Scrubber. C. G. Hawley. 2,004,467; June 11.
Seal for collecting mains of distillation ovens or the like, Liquid. W. Belmann. 2,004,266; June 11.
Seat: *See*—
Valve seat. Window seat.
Seat for use in road or rail vehicles. E. Bugatti. 2,004,850; June 11.
Seat or cushion. G. H. Gaston. 2,004,106; June 11.
Securing device for convertible high chairs. E. L. Bolster. 2,004,648; June 11.
Self tying clip. E. C. Armstead. 2,004,456; June 11.
Semitrailer. S. B. Winn. 2,004,803; June 11.
Separator: *See*—
Battery separator. Centrifugal separator.
Sewing machines, Turfing mechanism for. E. E. Boyce. 2,004,687; June 11.
Sewing machines, Tufting attachment for. J. G. Russell. 2,004,834; June 11.
Shaft bearing. J. H. Doran. 2,004,783; June 11.
Shaft coupling, Elastic. L. Thiry. 2,004,712; June 11.
Shaft journal and bearing therefor, Resilient. L. Q. Moffitt. 2,004,506; June 11.
Shake-out apparatus for foundry flasks. W. F. Piper. 2,004,292; June 11.
Sheller, Pea. J. A and E. V. Galley. 2,004,573; June 11.
Shingle. E. C. Matthews and L. M. Clary. 2,004,879; June 11.
Shingle, Cement. C. Dietrichs. 2,004,465; June 11.
Shingle gauge. P. Stelen. 2,004,839; June 11.
Shirt board. L. D. Becht. 2,004,362; June 11.
Shock absorber. E. F. Rossman. 2,004,539; June 11.
Shock absorber, Direct acting. J. M. Nickelsen 2,004,380; June 11.
Shock absorber, Hydraulic. M. Fieldman. 2,004,911; June 11.
Shock absorber, Hydraulic. M. L. Fox and F. E. Ellery. 2,004,752; June 11.
Shock absorber, Hydraulic. R. F. Peo and C. F. Lantz. 2,004,902; June 11.
Shock absorber, Hydraulic. R. F. Peo. 2,004,903; June 11.
Shock absorber, Hydraulic. R. F. Peo and J. Sullivan. 2,004,904; June 11.
Shock absorber, Hydraulic. R. F. Peo. 2,004,905; June 11.
Shock absorber, Inertia controlled hydraulic. M. Feldman. 2,004,910; June 11.
Shoe. J. A. Lussier. 2,004,897; June 11.
Shoe. S. J. Meyer. 2,004,823; June 11.
Shoe. E. W. Ward. 2,004,802; June 11.
Shoe and making same. W. H. Bain. 2,004,425; June 11.
Shoe and the manufacture thereof. J. Cavanagh. 2,004,236; June 11.
Shoe cleaning and polishing machine. M. H. Thornton. 2,004,640; June 11.
Shoe, Pneumatic. L. W. Simister. 2,004,906; June 11.
Shoe pressing machine. R. F. McClenathan. 2,004,820; June 11.
Shoe shining machine. M. H. Thornton. 2,004,140; June 11.
Shoe uppers in lasted position, Holding. G. Goddu. 2,004,239; June 11.
Shoulder pad. W. W. Westman. 2,004,356; June 11.
Shuttle. E. E. Fuller. 2,004,721; June 1935.
Sign. S. F. Arbuckle and G. H. Coulter. 2,004,181; June 11.
Sign support, Swinging. W. H. Martin. 2,004,819; June 11.
Signs in electric gas discharge tubes, Process and apparatus for the production of luminous. N. Lebedenko, R. Levy, and W. Zeitlin. 2,004,577; June 11.
Signal: *See*—
Vehicle direction signal.
Signal translating and correcting system. H. G. Tasker. 2,004,253; June 11.
Signaling system, Selective. W. H. T. Holden. 2,004,244; June 11.
Silicon carbide articles and raw batch therefor, Making. R. C. Benner and H. N. Baumann, Jr. 2,004,595; June 11.
Silicon carbide refractory. R. C. Benner and H. N. Baumann, Jr. 2,004,594; June 11.
Single sleeve valve engine. E. L. Gilbert. 2,004,693; June 11.
Slag bottom for furnaces. P. Badenhausen. 2,004,152; June 11.
Slicing machine. J. Folk. 2,004,601; June 11.
Smoker's accessory. R. W. Parkinson. 2,004,537; June 11.
Soap powders, Manufacture of. C. W. Moore and H. Ballantyne. 2,004,670; June 11.
Socket adapter, Lamp. C. L. Goodlin and T. J. O'Meara. 2,004,200–1; June 11.
Soil pulverizer. J. F. Rhodes. 2,004,393; June 11.
Solder for aluminum and its alloys. A. Lüschenowsky. 2,004,372; June 11.
Solids with liquid, Treating. P. LaF. Magill. 2,004,332; June 11.
Sound absorbing material, Producing. C. Birchy. 2,004,686; June 11.
Sound reproducing system. D. F. Newman. 2,004,583; June 11.
Sounds, Recording. S. Watanabe. 2,004,453; June 11.
Spark plug. W. E. Letterman. 2,004,119; June 11.
Sports arena and the accessories thereto. G. F. Cahill. 2,004,888; June 11.
Spray material. E. L. Green. 2,004,788; June 11.
Spray material, Active or toxic. E. L. Green. 2,004,789; June 11.
Speed controller for hydraulic motor. J. K. Douglas. 2,004,522; June 11.
Spinning frame. H. A. Owen. 2,004,343; June 11.
Spoon. M. Hess. 2,004,756; June 11.
Spout for hose nozzles. J. W. Howell. 2,004,203; June 11.
Spring structure. F. J. Hruza. 2,004,697; June 11.
Sprinkler head for fire extinguishing systems. A. C. Rowley. 2,004,833; June 11.
Stabilizer for traversing hoist buckets. W. H. Towne. 2,004,451; June 11.
Staff holder. G. B. Gaus. 2,004,786; June 11.
Starting block. E. F. Niday. 2,004,172; June 11.
Steam heating apparatus. J. B. Stickle. 2,004,227; June 11.
Steam heating system. J. B. Stickle. 2,004,226; June 11.
Steering gear. H. Marles. 2,004,374; June 11.
Stencil sheet and making the same. L. G. Brandt. 2,004,484; June 11.
Sterilizer apparatus. M. C. Schwab. 2,004,351; June 11.
Stock quotation projecting machine. A. D. Eltzen 2,004,103; June 11.
Stocking. J. L. Fonville. 2,004,656; June 11.
Stocking, Full fashioned knit. R. Pike 2,004,216; June 11.
Stoker and control therefor, Automatic. W. A. Maynard. 2,004,533; June 11.
Stoker construction. R. L. Beers. 2,004,363; June 11.
Stoker, Fuel. J. E. Jones. 2,004,813; June 11.
Stoker motor. J. F. Turner and C. P. Breidenbaugh. 2,004,558; June 11.

Storage battery, Electric. J. J. Drumm and A. G. Burnell. 2,004,552; June 11.
Strap holder, Shoulder. A. Bopea. 2,004,305; June 11.
Strap with attached washers and making the same. F. C. Arey. 2,004,182; June 11.
Stretcher, Garment. L. and L. C. Bond. 2,004,848; June 11.
Strip for window frames, Flushing. H. W. Cook. 2,004,65; June 11.
Strip material, Apparatus for handling. A. Potdevin. 2,004,129; June 11.
Stroboscopic apparatus and method. P. Davey. 2,004,270; June 11.
Suction cleaner. H. B. White. 2,004,261; June 11.
Suit box. O. E. Phillips. 2,004,509; June 11.
Suit for firemen and others, Waterproof. F. G. Molter. 2,004,765; June 11.
Sulphonic acid. C. Wulff and E. Roell. 2,004,546; June 11.
Support: See—
  Goggle support.
  Radiator and front fender support.
Surfaces, Illuminating. M. Poser. 2,004,798; June 11.
Swimming bath. G. E. Morgans. 2,004,825; June 11.
Switch: See—
  Electric switch. Magnet controlled switch.
  Fuse switch. Time switch.
Switch. O. Laplante. 2,004,207; June 11.
Switch and fuse mechanism. E. G. Johansson. 2,004,327; June 11.
Switch for electric meters. E. G. Johansson. 2,004,329; June 11.
Table. D. Royce. 2,004,296; June 11.
Table construction. A. Heath. 2,004,696; June 11.
Table-net bracket. P. W. Sloan. 2,004,397; June 11.
Tag printing and stapling machine. A. F. Horton. 2,004,202; June 11.
Tank: See—
  Flushing tank.
Tank. G. T. Horton. 2,004,113; June 11.
Target, Aerial. W. G. Warren. 2,004,543; June 11.
Tea-bag package and carton. S. Cooper. 2,004,486; June 11.
Telephone system. W. W. Carpenter. 2,004,599; June 11.
Teleticket system. E. Hopkins. 2,004,112; June 11.
Temperature controlled valve. J. Pymm. 2,004,636; June 11.
Temperature device, Thermostatically and suction controlled mixture. E. E. Dean and O. C. Berry. 2,004,033; June 11.
Temperature of liquids, Device for indicating the. J. I. Chaney. 2,004,092; June 11.
Tennis net and making the same, Reenforced. V. Lichtenstein. 2,004,579; June 11.
Tensioning device for draw-off reels, Automatically variable. M. Richter. 2,004,219; June 11.
Tent. M. J. McAuliffe. 2,004,668; June 11.
Testing system. R. E. Hersey. 2,004,607; June 11.
Textile material and its production. W. I. Taylor. 2,004,130; June 11.
Textiles and like materials, Apparatus for processing. W. A. Traver. 2,004,229; June 11.
Textiles, Dyeing of. F. Barz, A. Landolt, W. Geigy, H. Kaegi, and C. Graenacher. 2,004,476; June 11.
Thermometer, Self-supporting. J. G. Hoeflich. 2,004,627; June 11.
Thermostat. R. H. Mautsch. 2,004,667; June 11.
Thiosulphate esters and their production. A. Kirstahler and W. J. Kaiser. 2,004,873; June 11.
Thread on a bobbin, Apparatus for winding. S. W. Brainard. 2,004,153; June 11.
Threads and other products from cellulose compounds, Manufacture of artificial. L. Lilienfeld. 2,004,876-7; June 11.
Threads, Apparatus and method for conveying. F. S. Mead. 2,004,169; June 11.
Ticket-stringing apparatus. J. F. Graeber. 2,004,163; June 11.
Tie rod construction. J. H. Steensen. 2,004,398; June 11.
Time announcing system. C. G. Miller and A. R. Bonorden. 2,004,248; June 11.
Time release apparatus. P. Beghetti. 2,004,515; June 11.
Time switch, Plural set. R. D. Smith. 2,004,137; June 11.
Tipper for fast delivery vans, Hydraulic rear. O. Ballert. 2,004,754; June 11.
Tire building machine. W. J. Breth and M. L. Engler. 2,004,886; June 11.
Tire, Pneumatic. W. A. Griesbaber. 2,004,892; June 11.
Tire retreading mold. T. E. Rogers. 2,004,800; June 11.
Tissue, Method and instrument for electro-surgical treatment of. R. H. and F. C. Wappler. 2,004,559; June 11.
Tobacco for insecticidal purposes, Treatment of. R. G. Mewborne. 2,004 124; June 11.
Tool: See—
  Fruit jar tool. Pattern maker's tool.
  Household tool. Turret machine tool.
  Loading tool. Welding tool.
Tool for preparing laminated fabrics for splicing. O. F. Homeier. 2,004,517; June 11.
Toothpick dispenser. J. D'Agustino. 2,004,805; June 11.
Toy airplane. H. Burkhard. 2,004,235; June 11.
Toy gun, Repeating. C. H. Leonard. 2,004,531; June 11.
Toy, Sounding. A. T. Linney. 2,004,817; June 11.
Toy transportation system. J. J. Clark. 2,004,915; June 11.
Track structure, Railway. H. Etheridge. 2,004,369; June 11.
Traction, Electric. L. R. E. Gratzmüller. 2,004,240; June 11.
Tractor propelled implement. T. W. Paul. 2,004,729; June 11.
Transfer mechanism. O. J. Sundstrand. 2,004,405; June 11.
Transmission, Reversing. F. P. Quinn, W. Horrobin, and W. F. Hawkins. 2,004,827; June 11.
Trap: See—
  Bank bandit trap.
Tray, Flexible metal ice. R. H. Chilton. 2,004,519; June 11.
Tray, Freezing. H. D. Geyer and F. W. Sampson. 2,004,525; June 11.
Trimming and cutting machine. E. M. Brackett, D. Daneke, and L. C. Williams. 2,004,566; June 11.
Trolleys, Apparatus for lubricating. C. G. Webrly. 2,004,386; June 11.
Truck trailer combination. I. H. Judd. 2,004,437; June 11.
Tube: See—
  Cathode ray tube. Electron discharge tube.
  Discharge tube. Photo-electric tube.
Tubes between couples of rotating cylinders, Direct manufacture of fibrous cement. A. Magnani. 2,004,703; June 11.
Tubes, Scaling. R. Traut. 2,004,422; June 11.
Tubing, Manufacture of finned. E. A. Dewald. 2,004,387-8; June 11.
Tubing, Manufacture of finned. R. C. Jones. 2,004,389; June 11.
Tuning device, Automatic. R. L. Heeren. 2,004,324; June 11.
Turbine, Elastic fluid. K. Bassler. 2,004,777; June 11.
Turret machine tool, Multiple. H. W. Rupple. 2,004,347; June 11.
Under arm protector. G. H. Souther, Jr. 2,004,511; June 11.
Universal joint. H. B. Shoemaker. 2,004,298; June 11.
Universal joint. J. R. Snyder. 2,004,299; June 11.
Universal joint chain. W. Hay. 2,004,321; June 11.
Upholstery method. A. S. Mitchell 2,004,705; June 11.
Vacuum tube oscillator. R. I. Cohn. 2,004,101; June 11.
Valve: See—
  Dispensing valve. Temperature controlled valve.
  Humidity controlled valve
Valve actuating mechanism. F. G. Thwaits. 2,004,717; June 11.
Valve controlling system. P. DeLacy-Mulhall. 2,004,194; June 11.
Valve converting apparatus, Electric. B. D. Bedford. 2,004,778; June 11.
Valve for internal combustion engines, Revoluble. H. C. Heinel. 2,004,912; June 11.
Valve lifter and spring compressor, Combined. J. Sumnen. 2,004,590; June 11.
Valve mechanism. F. G. Thwaits. 2,004,715; June 11.
Valve seat. J. A. Welger. 2,004,259; June 11.
Valve structure. F. G. Thwaits. 2,004,716; June 11.
Valves, Making. O. Hedlund. 2,004,528; June 11.
Vault, Burial. E. W. Wilson. 2,004,454; June 11.
Vehicle. H. J. Dillon. 2,004,748-9; June 11.
Vehicle brake, Motor. F. H. Sharar. 2,004,556; June 11.
Vehicle, Delivery. H. T. Thomas. 2,004,385; June 11.
Vehicle direction signal. A. A. Martinez. 2,004,289; June 11.
Vending machine. B. Radtke. 2,004,418; June 11.
Ventilator: See—
  Sash ventilator. Window ventilator.
Vessel handling and finishing device. W. L. McNamara and L. P. Piazzoli, Jr. 2,004,492; June 11.
Visor, Adjustable cap. W. H. David. 2,004,471; June 11.
Volume controls for radio receiving sets, Automatic. R. M. Planck. 2,004,294; June 11.
Wagon, Dump. T. C. Harvey. 2,004,754-5; June 11.
Wall and post construction. C. T. Hansen. 2,004,319; June 11.
Watch, Waterproof. W. C. Handley. 2,004,280; June 11.
Water by zeolites, Purification of. F. Tschirner 2,004,257; June 11.
Water, Treating. J. M. Gillet. 2,004,694; June 11.
Weather strip. W. S. Hamm. 2,004,722; June 11.
Weatherstrip. D. T. Main. 2,004,413; June 11.
Weft detecting mechanism for drop box looms. O. V. Payne. 2,004,341-2; June 11.
Welding system and method. J. P. Tarbox. 2,004,619; June 11.
Welding tool, Portable. J. P. Tarbox. 2,004,620; June 11.
Well drilling apparatus. E. I. Shoe and F. C. Landis. 2,004,494; June 11.
Wells, Cementing. E. P. Halliburton. 2,004,606; June 11.
Welt, Calking. L. F. Plummer. 2,004,447; June 11.
Welting and producing li G. H. Jennings. 2,004,116; June 11.

Welting and producing welting. G. H. Jennings. 2,004,117; June 11.
Welting and producing welting. E. E. Kent. 2,004,118; June 11.
Welting, Goodyear. W. Brown. 2,004,887; June 11.
Wheel: See—
  Buffing or polishing wheel
Wheel chair. L. S. and A. M. Wright. 2,004,683; June 11.
Wheel driving mechanism, Free. J. R. Collyear and S. L. Bapty. 2,004,650; June 11.
Whipper and scraper for ice cream freezers, Combined. H. S. Mills. 2,004,446; June 11.
Window seat. J. A. Costello 2,004,237; June 11.
Window ventilator. R. G. Liprott. 2,004,444; June 11.
Wires taut, Device for holding. M. A. Comeau. 2,004,312; June 11.
Wrench: See—
  Pipe wrench.
Wood chipping machine, Rotary. W. I. Brown. 2,004,367; June 11.
Wood hog. T. Tonks. 2,004,737; June 11.
Work-handling mechanism for centering and like machines. E. R. Smith and A. Schinkez. 2,004,540; June 11.
Workpieces, Grinding. C. Booth and S. Einstein. 2,004,649; June 11.
X-ray ore radiographic apparatus. W. A. Weed. 2,004,232; June 11.

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ISSUED JUNE 11, 1935

NOTE.—First number=class, second number=subclass, third number=patent number

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265—	18:	2,004,660		20:	2,004,655
	48:	2,004,339	304—	24:	2,004,237
	60:	2,004,745	308—	9:	2,004,783
	62:	2,004,096		59:	2,004,562
267—	30:	2,004,539		122:	2,004,254
271—	2.2:	2,004,129		238:	2,004,506
	32:	2,004,882		241:	2,004,708
	57:	2,004,835		242:	2,004,331
272—	59:	2,004,172	309—	6:	2,004,669
273—	1:	2,004,591		26:	2,004,618
	29:	2,004,579	311—	98:	2,004,896
	30:	2,004,397	312—	44:	2,004,520
	62:	2,004,167		48:	2,004,418
	73:	2,004,609		84:	2,004,805
	101:	2,004,260		107:	2,004,900
	121:	2,004,190		164:	2,004,256
	146:	2,004,707			
	148:	2,004,513			
279—	44:	2,004,678			

U. S. GOVERNMENT PRINTING OFFICE: 1938

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acker, Merrall & Condit Company, New York, N. Y. Whiskey and gin. Serial No. 364,534; June 18. Class 49.

Adelphia Shirt Co., Allentown, Pa. Shirts, blouses, polo shirts, etc. Serial Nos. 363,541–2; June 18. Class 39.

Agunos, Max, New York, N. Y. Cosmetics such as facial packs. Serial No. 362,859; June 18. Class 6.

Aktieselskabet H. E. Gosch & Co's Taendstikfabriker OG Aktie Taendstikfabriker, Godthaab, Copenhagen, Denmark. Pencils. Serial No. 363,308; June 18. Class 37.

Alexander, G. W., & Co., Inc., West Reading, Pa. Caps and hats. Serial No. 363,908; June 18. Class 39.

America's Own Match Company, assignor to Amtorg Trading Corporation, New York, N. Y. Safety matches. Serial No. 357,581; June 18. Class 9.

Amtorg Trading Corporation. (See America's Own Match Company, assignor.)

Anderson-Stolz Corporation, Kansas City, Mo. Ready mixed paints. Serial No. 363,148; June 18. Class 16.

Andre, Thomas, doing business as The Thomas Andre Company, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 364,657; June 18. Class 49.

Arborol Chemical Company. (See Hood, Mable I.)

Arteraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 363,790; June 18. Class 39.

Artisan Inc., New York, N. Y. Permanent waving machines. Serial No. 352,460; June 18. Class 44.

Arrow Distilleries, Inc., Detroit, Mich. Alcoholic cordials and liqueurs. Serial No. 357,586; June 18. Class 49.

Atlas-Ansonia Company, New Haven, Conn. Stationery items. Serial No. 362,451; June 18. Class 37.

Auburn Spark Plug Company, Inc., Auburn, N. Y. Spark plugs. Serial No. 336,633; June 18. Class 21.

Austenal Laboratories, Inc., New York, N. Y. Cobalt-chromium alloys. Serial No. 360,200; June 18. Class 14.

Austin Trailer Equipment Co., Muskegon, Mich. Tractor-trailer fifth wheels. Serial No. 362,249; June 18. Class 19.

Automatic Chain Co., Providence, R. I. Jewelry for personal wear or adornment. Serial No. 364,320; June 18. Class 28.

Baer Brothers, New York, N. Y. Paint enamels. Serial No. 363,842; June 18. Class 16.

Bar Master Inc., Seattle, Wash. Equipment for the dispensing of effervescent or gas-charged liquids. Serial No. 363,264; June 18. Class 23.

Barnhardt Brothers, Charlotte, N. C. Cotton and rayon yarns. Serial No. 363,791; June 18. Class 43.

Bear Creek Vineyard Association, Lodi, Calif. Wines. Serial No. 364,503; June 18. Class 47.

Bedford, E. T., Long Island City, N. Y. Compound for preventing silver from tarnishing. Serial No. 359,198; June 18. Class 6.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. Serial No. 363,964; June 18. Class 42.

Ben Hur Products, Inc., New York, N. Y. Eye glasses, sun glasses, spectacles, etc. Serial No. 363,360; June 18. Class 26.

Bloomingdale Bros., Inc., New York, N. Y. Gloves. Serial No. 362,988; June 18. Class 39.

Bloomingdale Bros., Inc., New York, N. Y. Insecticide. Serial No. 363,365; June 18. Class 6.

Boel, Marius, Marsley, Denmark. Cheese. Serial No. 348,010; June 18. Class 46.

Bond Electric Corporation, Jersey City, N. J. Electric lanterns, electric flashlights, flashlight batteries, etc. Serial No. 363,576; June 18. Class 21.

Booth's Distilleries, Limited, London, England, and Leith, Scotland. Whisky. Serial No. 362,770; June 18. Class 49.

Borg-Warner Corporation, Chicago, Ill., and Detroit, Mich. Oil burners and parts thereof. Serial No. 364,659; June 18. Class 34.

Brinkman, August C., doing business as Nevada Distributing Company, San Francisco, Calif. Wines. Serial No. 363,033; June 18. Class 47.

Bruckmann, John C., Cincinnati, Ohio. Beer, ale, porter, and stout. Serial No. 364,468; June 18. Class 48.

Brunt & Company, Chicago, Ill. Crates. Serial No. 364,661; June 18. Class 2.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. Serial No. 362,250; June 18. Class 42.

Carling-Larrabee Company, Hollywood, Calif. Game. Serial No. 363,202; June 18. Class 22.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 363,800; June 18. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 364,374–7; June 18. Class 42.

Central Pharmacal Company, The, Seymour, Ind. Medicinal preparation for syphilis. Serial No. 364,086; June 18. Class 6.

Champion Hardware Company, The, Geneva, Ohio. Vises, clamps, pliers, etc. Serial No. 330,450; June 18. Class 23.

Charming Women, Inc., New York, N. Y. Ladies' outerwear. Serial No. 357,621; June 18. Class 39.

Clark Thread Company, The, Newark, N. J. Thread and yarn. Serial No. 363,801; June 18. Class 43.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial No. 363,555; June 18. Class 4.

College Inn Food Products Company, Chicago, Ill. Whiskey. Serial No. 364,709; June 18. Class 49.

Colorado Fuel and Iron Products Company, The, Denver, Colo. Toluol, xylol, benzol, etc. Serial No. 360,525; June 18. Class 6.

Commercial Milling Company, Detroit, Mich. Wheat flour. Serial No. 363,852; June 18. Class 46.

Consolidated Bleaching Co., Union City, N. J. Cotton piece goods and silk piece goods. Serial No. 361,566; June 18. Class 42.

Corn Products Refining Company, New York, N. Y. Arrowroot starch. Serial No. 363,454; June 18. Class 46.

Crane & Co. Inc., Dalton, Mass. Writing paper, envelops, tablets, etc. Serial No. 364,228; June 18. Class 37.

Crescent Manufacturing Co., Seattle, Wash. Glass jars. Serial No. 349,303; June 18. Class 33.

Crescent Manufacturing Co., Seattle, Wash. Coffee. Serial No. 349,304; June 18. Class 46.

Cudahy Packing Company, The, Chicago, Ill. Poultry. Serial Nos. 364,330–1; June 18. Class 46.

Delco Products Corporation, Dayton, Ohio. Dynamo electric machines, motors, condensers, etc., and parts thereof. Serial No. 364,472; June 18. Class 21.

Det Danske Medicinal- & Kemikalie-Kompagni A/S, Copenhagen, Denmark. Preparation for use in the treatment of pernicious anemia. Serial No. 362,457; June 18. Class 6.

Deutsche Gold- und Silber-Scheideanstalt, Frankfort-on-the-Main, Germany. Surgical bandages and dressings. Serial No. 362,512; June 18. Class 44.

Dickinson, Albert, Company, The, Chicago, Ill. Poultry feed. Serial No. 364,620; June 18. Class 46.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Wines. Serial No. 363,749; June 18. Class 47.

Dorf, B. B., & Company, Incorporated, New York, N. Y. Creme de cacao chuao. Serial No. 361,458; June 18. Class 49.

Dudley, William H., doing business as Myrnol Products Company, Santa Monica and Los Angeles, Calif. Nose drops. Serial No. 363,750; June 18. Class 6.

Eastern Trading Company. (See Finkelstein, William.)

Eddy Steam Bakery, Inc., Helena, Mont. Bread. Serial No. 360,949; June 18. Class 46.

Electric Heat Control Company, The, Cleveland, Ohio. Suppressor testers, spark plug testers, condenser testers, etc. Serial No. 362,021; June 18. Class 26.

Ely & Walker Dry Goods Company, St. Louis, Mo. Shirts, blouses, and pajamas. Serial No. 362,614; June 18. Class 39.

Emanuel, Edward P., doing business as New York Dress Manufacturers' Associates, New York, N. Y. Ladies' dresses and coats. Serial No. 363,040; June 18. Class 39.

Empire Manufacturing Co., Winder, Ga. Work clothes. Serial No. 360,467; June 18. Class 39.

Fargason Company, Inc., The, Evansville, Ind. Cleansing compound. Serial No. 363,211; June 18. Class 6.

Faucette, Henry M., Durham, N. C. Blood purifying tonic. Serial No. 361,004; June 18. Class 6.

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. Hair nets. Serial No. 363,803; June 18. Class 42.

Firestone Mendal Cement Co. (See Whiteman, Ernest.)

Fisher, Charles T., Moline, Ill. Bread. Serial No. 363,586; June 18. Class 46.

Fisher, J. Gordon, Estate, doing business as Fisher Brothers, Hanover, Pa. Chewing and smoking tobacco. Serial No. 364,282; June 18. Class 17.

Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Ground joint flange unions. Serial No. 362,775; June 18. Class 13.

Flynn Manufacturing Corp., Alexandria, La. Road graders. Serial No. 364,624; June 18. Class 23.

Freydberg Bros., Inc., New York, N. Y. Seam-bindings. Serial No. 363,917; June 18. Class 40.

Gabricleen Company, Inc., Chicago, Ill. Permanent waving compound. Serial No. 363,753; June 18. Class 6.

Geneva Forge, Inc., Geneva, N. Y. Cutlery. Serial No. 364,541; June 18. Class 23.

Gilman & Rappaport Silk Corp., New York, N. Y. Textile piece goods. Serial No. 361,614; June 18. Class 42.

Gimonet, Alexandre, Arrochar, Staten Island, N. Y. Cosmetics. Serial No. 350,797; June 18. Class 6.

Girl Scouts, (Incorporated), New York, N. Y. Neckties, hats, berets, etc. Serial No. 362,778; June 18. Class 39.

Gladding's Inc., Providence, R. I. Sports coats, dresses, suits, etc. Serial No. 362,469; June 18. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Glenmore Distilleries Co., Inc., Louisville, Ky. Whiskey. Serial No. 364,815; June 18. Class 49.
Godman, H. C., Company, The, Columbus, Ohio. Shoes. Serial No. 363,322; June 18. Class 39.
Goldberger, Leo J., doing business as L. Wohl & Co., New York, N. Y. Children's clothing. Serial No. 359,950; June 18. Class 39.
Goldstein Millinery Company, Chicago, Ill. Hats. Serial No. 362,916; June 18. Class 39.
Grant, D. H., & Co. Inc., New York, N. Y. Dresses, outer and under skirts, aprons, etc. Serial No. 363,390; June 18. Class 39.
Graves, C. H., & Sons Company, Boston, Mass. Gin. Serial No. 364,626; June 18. Class 49.
Grean, Seymour S., New York, N. Y. Coat lapels, coat collars, and coat fronts. Serial No. 363,855; June 18. Class 39.
Gumm, Frederick, Chemical Co. Inc., Union City, N. J. Industrial surface cleaning preparation. Serial No. 363,282; June 18. Class 4.
Hair Net Packers, Inc., New York, N. Y. Hair curlers, hair waivers, hair pins, etc. Serial Nos. 362,794–5; June 18. Class 40.
Hales & Hunter Co., Chicago, Ill. Horse feed. Serial No. 362,571; June 18. Class 46.
Handcraft Import Co. Inc., New York, N. Y. Blouses and dresses and play garments. Serial No. 362,618; June 18. Class 39.
Hauptmann, Peter, Tobacco Co., St. Louis, Mo. Whiskey, gin, rum, etc. Serial No. 364,098; June 18. Class 49.
Hayes, Anthony P., Inglewood, Calif. Hats intended for the use of women. Serial No. 363,438; June 18. Class 39.
Helix Company, Inc., The, New York, N. Y. Women's and children's hosiery, underwear, etc., and men's hosiery, underwear, and neckties. Serial No. 363,591; June 18. Class 39.
Heublein, G. F., & Bro., Hartford, Conn. Whiskey. Serial Nos. 364,775–6; June 18. Class 49.
Heublein, G. F., & Bro., Hartford, Conn. Gin. Serial No. 364,778; June 18. Class 49.
Hicks, John R., doing business as Timber Lake Mill, Evington, Va. Flour, corn meal, and poultry feed. Serial No. 364,292; June 18. Class 46.
Hilliard Products Company, Inc., Wilmington, Del. Antiseptic solutions and compounds. Serial No. 363,459; June 18. Class 6.
Hollywood Knitting Mills, Inc., Los Angeles, Calif. Flannel sport shirts. Serial No. 362,139; June 18. Class 39.
Hood, Mable I., doing business as Arborol Chemical Company, San Francisco, Calif. Medicinal preparation. Serial No. 361,679; June 18. Class 6.
Huth & James Shoe Co., Milwaukee, Wis. Young ladies' shoes. Serial No. 361,942; June 18. Class 39.
I. C. I. Metals, Limited, London, England. Nonferrous alloys in which copper predominates. Serial No. 362,824; June 18. Class 14.
Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. Serial Nos. 364,722–3; June 18. Class 22.
International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. Serial No. 359,225; June 18. Class 42.
International Latex Corporation, Rochester, N. Y. Tobacco pouches. Serial No. 362,684; June 18. Class 8.
Irish Enterprises Corporation, New York, N. Y. Suits, coats, trousers, etc. Serial No. 361,843; June 18. Class 39.
Jared Holt Co., The, Albany, N. Y. Polishes, dressings, and cleaners for shoes. Serial No. 363,863; June 18. Class 4.
Jel Sert Co., The, Chicago, Ill. Ice cream powder. Serial No. 357,494; June 18. Class 46.
Jung, L. E., & Wulff Company, Inc., New Orleans, La. Bitters for flavoring alcoholic beverages. Serial No. 364,582; June 18. Class 49.
Karr, Charles, Company, Holland, Mich. Bedding articles. Serial No. 347,912; June 18. Class 32.
Kaufman, William, doing business as Kay Laboratories, New York, N. Y. Pharmaceutical preparations. Serial No. 359,915; June 18. Class 6.
Kay Laboratories. (See Kaufman, William.)
Kayser, Julius, & Co., Traben-Trarbach, Germany. Rhine and Moselle wines. Serial No. 356,226; June 18. Class 47.
Klein Brothers, New York, N. Y. Dresses, skirts, blouses, etc. Serial No. 363,807; June 18. Class 39.
Klein Brothers, New York, N. Y. Fabrics in the piece. Serial No. 363,808; June 18. Class 42.
Koin-Pak Sales Corp., Akron, Ohio. Prophylactic rubber articles. Serial No. 363,630; June 18. Class 44.
Kress, S. H., & Co., New York, N. Y. Inks, typewriter ribbons, carbon papers, etc. Serial No. 359,916; June 18. Class 11.
Kunz's, Inc., Louisville, Ky. Whiskey. Serial No. 363,505; June 18. Class 49.
Lamm Brothers, Incorporated, Baltimore, Md. Sport trousers and suits, overcoats, etc. Serial No. 363,809; June 18. Class 39.
Lavick, S. B., Co., Chicago, Ill. Leather bridge sets and leather playing card sets. Serial No. 363,927; June 18. Class 22.
Leggett, Francis H., & Company, New York, N. Y. Salad dressing. Serial No. 364,389; June 18. Class 46.
Lesnow Brothers, Inc., New Haven, Conn. Shirts and blouses. Serial No. 363,664; June 18. Class 39.
Lewmac Furs, Inc., New York, N. Y. Chemically prepared skins of coney, rabbit, marmot, and muskrat. Serial Nos. 363,367–8; June 18. Class 1.
Linde, P. J., Salinas, Calif. Fresh vegetables. Serial No. 364,585; June 18. Class 46.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 363,631; June 18. Class 49.
Littig, George, Sacramento, Calif. Adhesive paste. Serial No. 358,647; June 18. Class 5.
Lyons-Magnus, Inc., doing business as The E. G. Lyons & Raas Co., San Francisco, Calif. Whiskey, brandy, gin, etc. Serial No. 361,275; June 18. Class 49.
M & R Dietetic Laboratories Inc., Columbus, Ohio. Powdered skimmed milk. Serial No. 359,625; June 18. Class 46.
Mallory, P. R., & Co., Incorporated, Indianapolis, Ind. Alloys comprising copper alloys and metal alloys. Serial No. 364,102; June 18. Class 14.
Manhattan Shirt Company, The, New York, N. Y. Handkerchiefs. Serial No. 363,932; June 18. Class 42.
Manhattan Shirt Company, The, New York, N. Y. Pajamas, outer shirts, and underwear. Serial No. 363,933; June 18. Class 39.
Manus, Mildred, Chicago, Ill. Astringents, astringent cerates, bleach creams, etc. Serial No. 360,101; June 18. Class 6.
Marcus Hat Company, Inc., New York, N. Y. Women's wearing apparel. Serial No. 362,919; June 18. Class 39.
Marty, Arthur A., doing business as Salene Laboratories, Inc., Milwaukee, Wis. Toilet water, cosmetics. Serial No. 357,382; June 18. Class 6.
Maryland Distillery, Inc., Relay, Md. Whiskey. Serial No. 364,727; June 18. Class 49.
Maryland Wine & Liquor Co., Chicago, Ill. Whiskey and gin. Serial No. 364,728; June 18. Class 49.
Max, Lester E., doing business as Sparkling Company, Cincinnati, Ohio. Metal polish. Serial No. 363,594; June 18. Class 4.
May, Roma H., Essex Junction, Vt. Malt beverages. Serial No. 334,339; June 18. Class 48.
McCurrach Organization Incorporated, New York, N. Y. Necktles and mufflers. Serial No. 363,813; June 18. Class 39.
McDaniel & Sons, Inc., Yuma, Ariz. Fresh vegetables. Serial No. 364,344; June 18. Class 46.
McGovern, Edward B., doing business as McGovern and McGovern, Seattle, Wash. Canned fish. Serial No. 364,345; June 18. Class 46.
McIvor Kraut Company, Oaks Corners, N. Y. Canned sauerkraut. Serial No. 364,346; June 18. Class 46.
Merrimac Chemical Company, Everett, Mass. Water soluble salts of iron sulfate. Serial No. 363,877; June 18. Class 6.
Merrimac Chemical Company, Everett, Mass. Chemical in the tanning and treatment of leather. Serial No. 363,878; June 18. Class 6.
Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Vaginal ointment. Serial No. 361,241; June 18. Class 6.
Miami Knitting Mills. (See Schlanger, Hyman.)
Miller, L., and Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 361,279; June 18. Class 39.
Mitchell, F. O., & Bro., Perryman, Md. Canned corn. Serial No. 364,481; June 18. Class 46.
Molly-'es Doll Outfitters, Inc., Philadelphia, Pa. Dolls, doll clothes, toys, and novelties. Serial No. 363,008; June 18. Class 22.
Molly-'es Doll Outfitters, Inc., Philadelphia, Pa. Dolls and doll clothes. Serial No. 363,290; June 18. Class 22.
Morey Mercantile Company, The, Denver, Colo. Canned fruits and vegetables. Serial No. 364,393; June 18. Class 46.
Moyer Manufacturing Company, The, Youngstown, Ohio. Outer garments. Serial No. 363,716; June 18. Class 39.
Myrnol Products Company. (See Dudley, William H.)
National Blenders, Trenton, N. J. Whiskey, gin, rum, etc. Serial No. 347,990; June 18. Class 49.
National Blenders, Trenton, N. J. Whiskey, gin, rum, etc. Serial No. 348,775; June 18. Class 49.
National Enameling and Stamping Company, Milwaukee, Wis. Kerosene stoves and oil heaters. Serial No. 364,349; June 18. Class 34.
National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey. Serial No. 364,119; June 18. Class 49.
Nentform Co., Inc., The, New York, N. Y. Corsets, reducing foundations, girdles, etc. Serial No. 363,055; June 18. Class 39.
Nevada Distributing Company. (See Brinkman, August C.)

LIST OF TRADE-MARK APPLICANTS

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

New York Dress Manufacturers' Associates. (See Emanuel, Edward P.)
New York Knitting Mills, Inc., New York, N. Y. Knitted sweaters and coat sweaters. Serial No. 363,887; June 18. Class 39.
Nier, Hermann, Beierfeld, Germany. Attachments for machines for protecting the fingers of persons feeding or manipulating the same. Serial No. 358,783; June 18. Class 23.
Nu-Art Fibre Products Company, Branch of American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Woven cloth to be used for upholstering furniture, etc. Serial No. 364,434; June 18. Class 50.
O-Cedar Corporation, Chicago, Ill. Mops. Serial No. 364,239; June 18. Class 29.
Oil Trade Journal, Inc., New York, N. Y. News letter or bulletin. Serial No. 363,818; June 18. Class 38.
Old Dixie Distilling Co., Inc., Richmond, Va. Whiskey, gin, rum, and brandy. Serial No. 364,829; June 18. Class 49.
Owen Canning Company, Owen, Wis. Canned peas. Serial No. 363,783; June 18. Class 46.
Pacific Coast Borax Company, New York, N. Y. Borax, boric acid, boric acid spangles, etc. Serial No. 364,244; June 18. Class 6.
Pacific Trading Co., Inc., San Francisco, Calif. Brewed or malted sake. Serial No. 364,354; June 18. Class 48.
Paragon Rubber Corporation, New York, N. Y. Dolls. Serial No. 363,890; June 18. Class 22.
Parsons, Ralph M., Company, The, Mount Vernon, Ohio. Oil refining units and parts thereof. Serial No. 362,092; June 18. Class 34.
Penn-Maryland Corporation, New York, N. Y. Whiskey. Serial No. 364,786; June 18. Class 49.
Philadelphia Lawn Mower Co., Inc., Philadelphia, Pa. Lawn-mowers, lawn-sweepers, lawn-trimmers, etc. Serial No. 364,483; June 18. Class 23.
Pick, Richard, & Heller Co., Chicago, Ill. Furniture upholstery piece goods. Serial No. 361,819; June 18. Class 42.
Pitman-Moore Company, Indianapolis, Ind. Liquid medicinal tonic. Serial No. 363,184; June 18. Class 6.
Puerto Rico Distilling Company, Arecibo, Puerto Rico. Rum. Serial Nos. 363,060–1; June 18. Class 49.
Pulse, Inc., Indianapolis, Ind. Periodical issued monthly. Serial No. 361,540; June 18. Class 38.
Pure Oil Company, The, Chicago, Ill. Paints, paint enamels, lacquers, etc. Serial No. 358,334; June 18. Class 16.
Rare Chemicals, Inc., Nepera Park, N. Y. Diagnostic and quantitative reagent for the determination of chlorine in milk and other liquids containing chlorides. Serial No. 363,985; June 18. Class 6.
Reed, E. P., & Co., Rochester, N. Y. Shoes. Serial No. 364,150; June 18. Class 39.
Ren Distillers, Inc., Newark, N. J. Whiskey. Serial No. 363,519; June 18. Class 49.
Resinous Products & Chemical Company, Inc., The, Philadelphia, Pa. Paint paste. Serial No. 363,233; June 18. Class 16.
Reynolds Wire Co., Dixon, Ill. Wire cloth. Serial No. 364,697; June 18. Class 13.
Rosenfeld, Abrahmm S., doing business as Wales Shirt Co., New Haven, Conn. Shirts. Serial No. 364,105; June 18. Class 39.
Rovira y Compañia S. en C., Santiago, Cuba. Rums, brandies, whiskies, etc. Serial No. 351,999; June 18. Class 49.
Safety Mining Company, Chicago, Ill. Charging plants for filling non-destructible cartridges used for blasting purposes. Serial Nos. 364,594–5; June 18. Class 23.
Saks & Co., New York, N. Y. Men's and women's clothing. Serial No. 360,794; June 18. Class 39.
Scalzetti, Paul, doing business as Yolanda Ravioli Packing Company, Los Angeles, Calif. Spaghetti, beef tamale, chili con carne, etc. Serial No. 360,143; June 18. Class 46.
Schlanger, Hyman, doing business as Miami Knitting Mills, New York, N. Y. Bathing suits, sweaters, and knitted outerwear, etc. Serial No. 362,533; June 18. Class 39.
Schloss Brothers & Company, Inc., Baltimore, Md. Suits, raincoats, overcoats, etc. Serial No. 363,525; June 18. Class 39.
Schnefel Brothers, Inc., Newark, N. J. Empty vanity cases and containers for same. Serial No. 363,407; June 18. Class 2.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn plasters and pads and corn salve. Serial No. 362,634; June 18. Class 6.
Schoenman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 360,831; June 18. Class 39.
Sea Island Mills, Inc., New York, N. Y. Cotton broadcloth. Serial No. 361,822; June 18. Class 42.
Seidlax Company of America, Vineland, N. J. Alkaline laxatives. Serial No. 345,983; June 18. Class 6.
Selene Laboratories, Inc. (See Marty, Arthur A.)
Shawinigan Products Corporation, New York, N. Y. Synthetic resinous material. Serial No. 364,598; June 18. Class 1.
Shawmut Woolen Mills, Inc., Stoughton, Mass. Snow suits, ski suits, winter play suits, etc. Serial No. 364,250; June 18. Class 39.
Shelton Textile Fabric Co., Shelton, Conn. Narrow elastics and Vienna hat elastic. Serial No. 359,632; June 18. Class 40.
Shelton Textile Fabric Co., Shelton, Conn. Narrow elastics, elastic braids, and Vienna hat elastic. Serial No. 359,633; June 18. Class 40.
Simons, Hatch & Whitten Company, Boston, Mass. Negligee and dress shirts, collars, undershirts, etc. Serial No. 361,336; June 18. Class 39.
Smart-Form, Inc., Newark, N. J. Corsets, brassières, foundation garments, etc. Serial No. 364,252; June 18. Class 39.
Smith, Alvin T., Beverly Hills, Hamilton, Md. Ovens. Serial No. 364,689; June 18. Class 34.
Smith-Johnson Corporation, Los Angeles, Calif. Lubrication equipment. Serial No. 363,376; June 18. Class 23.
Smith, Kline and French Laboratories, Philadelphia, Pa. Preparation for the relief of anemia. Serial No. 363,187; June 18. Class 6.
Société de Recherches et d'Exploitations Petrolifères, Paris, France. Activated carbon or charcoal. Serial No. 363,298; June 18. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Composition for preventing corrosion and scale in engine-cooling systems. Serial No. 363,189; June 18. Class 6.
Southern Liquor Distributors, Inc., Jacksonville, Fla. Whiskey, gin, rum, etc. Serial Nos. 364,600–1; June 18. Class 49.
Sparkling Company. (See Max, Lester E.)
Standard Wine & Liquor Co., Inc., New York, N. Y. Whiskey and brandy. Serial No. 364,557; June 18. Class 49.
Stein, Morris, New York, N. Y. Medicated liquid foot preparation. Serial No. 362,444; June 18. Class 6.
Stonekirk Worsted Company, New York, N. Y. Woolen piece goods. Serial No. 363,832; June 18. Class 42.
Strutwear Knitting Company, Minneapolis, Minn. Hosiery. Serial No. 363,730; June 18. Class 39.
Sunshine, John, Chemical Co., Inc., Chicago, Ill. Drain pipe and closet bowl cleaner, soot destroyer preparations, boiler cleaner, etc. Serial No. 363,242; June 18. Class 6.
Three G Distillery Corp., Burbank, Calif. Whiskey. Serial No. 360,656; June 18. Class 49.
Timber Lake Mill. (See Hicks, John R.)
Tok Beverage Co., New York, N. Y. Beverages, and syrups for making the same. Serial No. 364,152; June 18. Class 45.
Tonk Bros. Co., Chicago, Ill. All band instruments, their casings, fittings, and parts. Serial No. 364,256; June 18. Class 36.
Trainer, Edward, Philadelphia, Pa. Whiskey. Serial No. 362,447; June 18. Class 49.
Troppe Brothers, New York, N. Y. Fur skins. Serial No. 362,276; June 18. Class 1.
United States Gypsum Company, Chicago, Ill. Asphalt shingles. Serial No. 361,234; June 18. Class 12.
Universal Winding Company, Cranston, R. I., and Boston, Mass. Machines, apparatus, and parts thereof for winding and handling thread, yarn, cord, twine, etc. Serial No. 364,490; June 18. Class 23.
Veldown Company, Inc., New York, N. Y. Cleansing tissues. Serial No. 364,032; June 18. Class 37.
Vorhees, Frank H., doing business as Vor-Sal Laboratories, Chicago, Ill. Tooth powder. Serial No. 363,350; June 18. Class 6.
Vor-Sal Laboratories. (See Vorhees, Frank H.)
Vortex Cup Company, Chicago, Ill. Paper cups. Serial No. 363,774; June 18. Class 2.
Wallscott, G. Lee, Winchester, Ky. Beverage sold as a soft drink. Serial No. 364,107; June 18. Class 45.
Wales Shirt Co. (See Rosenfeld, Abraham S.)
Walsh, Christy, New York, N. Y. Heading for newspaper articles. Serial No. 359,159; June 18. Class 38.
Warren-Teed Products Co., The, Columbus, Ohio. Antiseptic solution. Serial No. 362,541; June 18. Class 6.
Washington Institute of Technology, Washington, D. C. Electrical apparatus. Serial No. 357,790; June 18. Class 21.
Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. Serial No. 364,109; June 18. Class 39.
West Coast-Manchester Mills, Inc., Los Angeles, Calif. Bathing suits, swimming suits, and sweaters. Serial Nos. 363,775–6; June 18. Class 39.
Western Clock Company, Peru, Ill. Clocks and watches. Serial No. 364,157; June 18. Class 27.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical condensers. Serial No. 364,461; June 18. Class 21.
Weyauwega Dairy Products Company, Weyauwega, Wis. Evaporated milk. Serial No. 364,525; June 18. Class 46.
Weyauwega Dairy Products Company, Weyauwega, Wis. Evaporated milk. Serial No. 364,530; June 18. Class 46.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

White, S., & Co., Inc., Stamford, Conn. Stropper dressing. Serial No. 362,894; June 18. Class 4.

Whiteman, Ernest, doing business as Firestone Mendal Cement Co., Detroit, Mich. Adhesive cement. Serial No. 362,501; June 18. Class 5.

Wohl, L., & Co. (See Goldberger, Leo J.)

Wohl Shoe Company, St. Louis, Mo. Hosiery. Serial No. 363,989; June 18. Class 39.

Woods, Joseph W., Company, Inc., New York, N. Y. Cotton and rayon mixtures and part linen piece goods. Serial No. 363,081; June 18. Class 42.

Yolanda Ravioli Packing Company. (See Scaletti, Paul.)

Yorkshire Knitting Co. Inc., New York, N. Y. Infants', children's, and misses' knitted and woven outer-garments. Serial No. 363,779; June 18. Class 39.

Young, Richard, Company, New York, N. Y. Leather. Serial No. 363,734; June 18. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

A B C Laboratories, Cleveland, Ohio. Medicines for coughs, colds, etc. 325,221; June 18; Serial No. 360,661; published Apr. 9, 1935. Class 6.

Acnesolv Laboratories. (See Glauser, Meyer S.)

Albers Packing Company, Riverside, Calif. Canned olives. 325,383; June 18. Class 46.

Alexander Doll Co. (See Behrman, Bertha.)

Aluminum Company of America, Pittsburgh, Pa. Collapsible tubes. 325,224; June 18; Serial No. 360,613; published Apr. 9, 1935. Class 2.

Aluminum Company of America, Pittsburgh, Pa. Aluminum reflectors. 325,232; June 18; Serial No. 360,517; published Apr. 9, 1935. Class 34.

Aluminum Company of America, Pittsburgh, Pa. Aluminum reflectors. 325,271; June 18; Serial No. 352,304; published Apr. 9, 1935. Class 34.

American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. 325,381; June 18; Serial No. 359,976; published Apr. 9, 1935. Class 10.

American Tire Guard Company, Detroit, Mich. Emergency wheels for motor vehicles. 325,279; June 18; Serial No. 359,535; published Apr. 9, 1935. Class 19.

American Type Founders Sales Corporation, Jersey City, N. J. Type. 325,337; June 18; Serial No. 360,873; published Apr. 9, 1935. Class 14.

American Zinc Sales Company, St. Louis, Mo. Zinc oxide for use as paint pigment. 325,284-7; June 18; Serial Nos. 359,705-8; published Apr. 9, 1935. Class 16.

Andrews Wire and Iron Works, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Hardware supplies. 101,728; renewed Jan. 12, 1935.

Arterete Products Company, Upper Darby and Grassland, Pa. Cast stone flower-boxes, vases, bowls, etc. 325,253; June 18; Serial No. 361,201; published Apr. 9, 1935. Class 2.

Arterete Products Company, Upper Darby and Grassland, Pa. Cast stone furniture. 325,266; June 18; Serial No. 359,073; published Apr. 9, 1935. Class 32.

Atlas Import & Export Corp., New York, N. Y. Wines. 325,270; June 18; Serial No. 359,290; published Apr. 9, 1935. Class 47.

Ba-Ila-Ni Laboratories, Greensburg, Pa. Medical compound tablets. 325,283; June 18; Serial No. 359,701; published Apr. 2, 1935. Class 6.

Balfour, Guthrie & Co., Limited, San Francisco, Calif. Canned fruit. 325,265; June 18; Serial No. 349,110; published Apr. 9, 1935. Class 46.

Barsa, A., & Bro. Inc., New York, N. Y. Women's dresses and negligees. 325,344; June 18; Serial No. 356,793; published Apr. 9, 1935. Class 39.

Bartok, Sigmond M., doing business as Milton Bartok, Philadelphia, Pa. Concentrated preparation for making artificial mineral water. 325,272; June 18; Serial No. 359,075; published Apr. 9, 1935. Class 6.

Baudendistel, V., & Son, to Chas. D. Baudendistel, West New York, N. J., successor. Liniments, salves, and decoctions manufactured from herbs. 103,146; renewed Mar. 10, 1935.

Beeman, George W., Detroit, Mich. Brilliantine, soapless shampoo, after shave lotion, etc. 325,288; June 18; Serial No. 359,769; published Apr. 9, 1935. Class 6.

Behrman, Bertha, doing business as Alexander Doll Co., New York, N. Y. Dolls. 325,298; June 18; Serial No. 362,009; published Apr. 9, 1935. Class 22.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 325,347; June 18; Serial No. 356,572; published Apr. 9, 1935. Class 23.

Blossom Products Corporation, Allentown, Pa. Bloomers, and women's panties, step-ins, etc. 325,248; June 18; Serial No. 361,354; published Apr. 9, 1935. Class 39.

Boeckel, William F., doing business as Citrushine Manufacturing Co., Red Lion, Pa. Chemical metallic sealing compound. 325,373; June 18; Serial No. 360,208; published Apr. 2, 1935. Class 6.

Bonsor, C. F., & Co., Inc., Philadelphia, Pa. Coffees, teas, spices, etc. 103,371; renewed Mar. 30, 1935.

Bon-Ton Incorporated, Chicago, Ill. Whiskey. 325,389; June 18. Class 49.

Borden's Milk Products Company, Inc. (See Thompson's Malted Food Company, assignor.)

Botanical Manufacturing Company, Wilmington, Del., and Philadelphia, Pa., to Essential Manufacturing Co., Philadelphia, Pa., successor. Preparation for the destruction of rats and mice. 101,618; renewed Jan. 5, 1935

Bugbee, Waldo E., New York, N. Y. Cologne, powder, hair tonic, etc. 325,304; June 18; Serial No. 346,287; published May 29, 1934. Class 6.

Burrell-Dugger Company, Indianapolis, Ind. Laxatives. 325,330; June 18; Serial No. 360,987; published Apr. 9, 1935. Class 6.

Buschemeyer, Theodore, doing business as Heywood Laboratories, Louisville, Ky. Internal medicine for relief of neuritis, rheumatism, etc. 325,338; June 18; Serial No. 360,839; published Apr. 2, 1935. Class 6.

Business Journals, Inc., New York, N. Y. Section of a monthly publication. 325,359; June 18; Serial No. 361,722; published Apr. 9, 1935. Class 38.

Butler & Cromartie, Inc., Camilla, Ga. Papershell pecans. 325,375; June 18; Serial No. 360,125; published Apr. 9, 1935. Class 46.

California Packing Corporation, San Francisco, Calif. Fish meal used as a fertilizer. 325,339; June 18; Serial No. 360,821; published Apr. 9, 1935. Class 10.

Carter Medicine Company, New York, N. Y. Liver pills. 325,251; June 18; Serial No. 361,256; published Apr. 9, 1935. Class 6.

Chain Pattern Corporation, New York, N. Y. Fashion release sheets of a periodical nature. 325,390; June 18. Class 38.

Champion Outboard Motors, Minneapolis, Minn. Outboard motors. 325,259; June 18; Serial No. 361,605; published Apr. 9, 1935. Class 23.

Chemische Forschungsgesellschaft m. b. H., Munich, Germany. Synthetic threads, cords, ribbons, etc. 325,350-1; June 18; Serial Nos. 355,929-30; published Apr. 9, 1935. Class 44.

Chemische Werke Marienfelde A. G., Berlin-Marienfelde, Germany. Pitch and pitch-like goods for use in breweries. 325,310; June 18; Serial No. 357,942; published Apr. 9, 1935. Class 1.

Citrushine Manufacturing Co. (See Boeckel, William F.)

Clement, Louis, New York, N. Y. Antiseptic and bacteria cide. 325,333; June 18; Serial No. 360,954; published Apr. 2, 1935. Class 6.

Close, George, Company, The, Cambridge, Mass. Candy. 325,308; June 18; Serial No. 357,117; published Apr. 9, 1935. Class 46.

Cold Spring Brewing Company, Lawrence, Mass. Ale. 325,349; June 18; Serial No. 355,962; published Apr. 9, 1935. Class 48.

Copper Hill Distributing Co. (See Hopkins, John S.)

Corn Fix Company, Inc., Newark, N. J. Preparation for exterminating rats and mice. 325,329; June 18; Serial No. 360,992; published Apr. 9, 1935. Class 6.

Cosby-Hodges Milling Co. Inc., Birmingham, Ala. Wheat flour. 325,242; June 18; Serial No. 361,513; published Apr. 9, 1935. Class 46.

Dand-Er-O-Laboratories, Cleveland, Ohio. Preparation for treatment of dandruff and hair. 325,336; June 18; Serial No. 360,881; published Apr. 9, 1935. Class 6.

Dean, Vena, Columbus, Ohio. Card game. 325,246; June 18; Serial No. 361,385; published Apr. 9, 1935. Class 22.

Dean Wallace Corporation, Brooklyn, N. Y. Preparation for the treatment of digestive disorders. 325,225; June 18; Serial No. 360,579; published Apr. 2, 1935. Class 6.

Deery Products Company, Cambridge, Mass. Oleaginous composition used as a plasticiser for pyroxylin, etc. 325,370; June 18; Serial No. 360,306; published Apr. 2, 1935. Class 6.

De Lunnoise, Marcel, doing business as Laboratoire Schoum, Reconles-Bruyeres, France. Preparation for the treatment of ailments of the liver, kidneys, etc. 325,312; June 18; Serial No. 358,201; published Apr. 2, 1935. Class 6.

Delta Coal Mining Company, Chicago, Ill. Coal. 325,273; June 18; Serial No. 359,083; published Apr. 9, 1935. Class 1.

Dodge, F. W., Corporation, New York, N. Y. Magazine. 325,255; June 18; Serial No. 361,799; published Apr. 9, 1935. Class 38.

Dorn, John G., Sandusky, Ohio. Wines. 325,368; June 18; Serial No. 361,356; published Apr. 2, 1935. Class 47.

Eagle Pencil Company, New York, N. Y. Pencils, erasers, and refill tubes. 325,241; June 18; Serial No. 361,520; published Apr. 9, 1935. Class 37.

Eschbaugh, Clyde O., doing business as Kilgiar Manufacturing Company, Kansas City, Mo. Chemical preparation for cleaning bright metals. 325,255; June 18; Serial No. 361,140; published Apr. 9, 1935. Class 4.

Essential Manufacturing Co. (See Botanical Manufacturing Company.)

Excelsior Paper Specialties Co. Inc., New York, N. Y. Corrugated paper display material. 325,360; June 18; Serial No. 361,671; published Apr. 9, 1935. Class 37.

Fagg, I. N., doing business as I. N. Fagg Company, Elgin, Tex. Preparation for use in the treatment of wire cuts, sore shoulders, etc. 325,394; June 18. Class 6.

Fang-Grip Corporation, Brooklyn, N. Y. Structural shapes for handbags. 325,364; June 18; Serial No. 360,434; published Apr. 9, 1935. Class 3.

Farm Service Stores, Inc., Minneapolis, Minn. Seeds. 325,243; June 18; Serial No. 361,461; published Apr. 9, 1935. Class 1.

Farm Service Stores, Inc., Minneapolis, Minn. Fuel, particularly coal. 325,244; June 18; Serial No. 361,460; published Apr. 9, 1935. Class 1.

Flotill Products, Inc., New York, N. Y. Canned fresh tomatoes and tomato paste. 325,374; June 18; Serial No. 360,169; published Apr. 9, 1935. Class 46.

Forest City Rubber Company, The, Cleveland, Ohio. Medicated pads, medicated fabrics, and medicaments. 325,328; June 18; Serial No. 361,005; published Apr. 9, 1935. Class 6.

Franek & Company, Inc., New Orleans, La. Wines. 325,327; June 18; Serial No. 361,006; published Apr. 9, 1935. Class 47.

Frank Tea & Spice Co., The, Cincinnati, Ohio. Pepper sauce, jelly powder, cocoa, etc. 325,343; June 18; Serial No. 254,908; published Apr. 9, 1935. Class 46.

Frederics, E., Inc., New York, N. Y. Pads used in the permanent waving of human hair. 325,324; June 18; Serial No. 361,087; published Apr. 9, 1935. Class 44.

General Enterprise Co. (See Milonas & Sons.)

General Mills, Inc., Minneapolis, Minn. Flour. 325,352; June 18; Serial No. 355,762; published Apr. 9, 1935. Class 46.

Georgian Pharmacal Co., Atlanta, Ga. Ointment or salve. 325,323; June 18; Serial No. 361,089; published Apr. 9, 1935. Class 6.

Glauser, Meyer S., doing business as Acnesolv Laboratories, Philadelphia, Pa. Healing and antiseptic solution and ointment. 325,231; June 18; Serial No. 360,535; published Apr. 9, 1935. Class 6.

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. 325,371; June 18; Serial No. 360,270; published Apr. 9, 1935. Class 1.

Gourse, S., & Sons, Fall River, Mass. Men's suits and overcoats. 325,396; June 18. Class 39.

Grant, W. T., Company, New York, N. Y. Printing paper, mailing envelopes, and writing paper and envelopes. 325,218; June 18; Serial No. 360,773; published Apr. 9, 1935. Class 37.

Great Western Athletic Goods Co., Chicago, Ill. Sporting and athletic goods. 325,280; June 18; Serial No. 359,546; published Apr. 9, 1935. Class 22.

Green Bros. (See Tastyeast, Inc.)

Harrower Laboratory, Inc., The, Glendale, Calif. Tonic formula. 325,363; June 18; Serial No. 360,410; published Apr. 2, 1935. Class 6.

Heywood Laboratories. (See Buschemeyer, Theodore.)

Hogle & Taylor Company, New York, N. Y. Cards, placards, handbills, etc. 325,380; June 18; Serial No. 359,992; published Apr. 9, 1935. Class 38.

Holtup Corporation, Chicago, Ill. Electrodes for electric arc welding. 325,281; June 18; Serial No. 359,584; published Apr. 9, 1935. Class 14

Hopkins, John S., doing business as Copper Hill Distributing Co., Butte, Mont. Dry soup mixture. 325,395; June 18. Class 46.

Household Arts, Inc., New York, N. Y. Pattern release sheets of a periodical nature. 325,391; June 18. Class 38.

I. D. M. Publishing Co. Inc., New York, N. Y. Magazine. 325,300; June 18; Serial No. 341,714; published Nov. 28, 1933. Class 38.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Plasticizing and softening agents, artificial resins, drying oils, etc. 325,315; June 18; Serial No. 358,846; published Apr. 2, 1935. Class 6.

Inland Manufacturing Company, The, Dayton, Ohio. Removable partitioning devices for ice trays. 325,261; June 18; Serial No. 351,318; published Apr. 9, 1935. Class 31.

International Association of Rotary Clubs, assignor to Rotary International, Chicago, Ill. Publication. 102,800; renewed Feb. 23, 1935.

International Filter Company, Chicago, Ill. Chemical feeders, hydraulic control tables, fluid gauges, etc. 325,305; June 18; Serial No. 346,513; published Apr. 9, 1935. Class 26.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 325,237; June 18; Serial No. 361,575; published Apr. 9, 1935. Class 34

Italian Wine Company, Inc., Los Angeles, Calif. Wines. 325,264; June 18; Serial No. 349,370; published Apr. 9, 1935. Class 47.

Juneman, E. P., Corporation, The, Chicago, Ill. Tennis balls and gut strings for tennis rackets. 325,296; June 18; Serial No. 361,968; published Apr. 9, 1935. Class 22.

K. & S. Laboratories, Inc., Denver, Colo. General antiseptic. 325,220; June 18; Serial No. 360,671; published Apr. 9, 1935. Class 6.

Kemp, E. F., Inc., Somerville, Mass. Candy. 325,235; June 18; Serial No. 360,477; published Apr. 9, 1935. Class 46.

Kemp, W. H., Co., New York, N. Y. Gold leaf, roll gold leaf, silver leaf, etc. 325,326; June 18; Serial No. 361,018; published Apr. 9, 1935. Class 14.

Kilgiar Manufacturing Company. (See Eschbaugh, Clyde O.)

Kimerly Studio, Grand Rapids, Mich. Sketches for furniture and furniture hardware. 325,320; June 18; Serial No. 361,133; published Apr. 9, 1935. Class 38.

Kolb, Maurice, New York, N. Y. Measuring medicine spoon. 325,332; June 18; Serial No. 360,967; published Apr. 9, 1935. Class 26.

Laboratoire Schoum. (See de Lannoise, Marcel.)

Laboratorio Brasileiro de Chimiotherapia, Ltda., Rio de Janeiro, Brazil. Vaccines. 325,301; June 18; Serial No. 342,008; published Apr. 9, 1935. Class 6.

Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Canned fruits and vegetables. 325,372; June 18; Serial No. 360,230; published Apr. 9, 1935. Class 46.

Lee, Alexander & Shedd, New York, N. Y. Perfumed composition for use in connection with laundering clothes, etc. 325,277; June 18; Serial No. 359,360; published Apr. 2, 1935. Class 6.

Lee Paper Company, Vicksburg, Mich. Writing paper. 325,311; June 18; Serial No. 357,955; published Apr. 9, 1935. Class 37.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sand and mixtures including sand and pulverulent glass. 325,354; June 18; Serial No. 355,363; published Apr. 9, 1935. Class 1.

Lincoln Electric Company, The, Cleveland, Ohio. Apparatus for electric arc welding. 325,382; June 18; Serial No. 359,956; published Apr. 9, 1935. Class 21.

Los Angeles Period Furniture Co., Los Angeles, Calif. Living room furniture. 325,289; June 18; Serial No. 359,804; published Apr. 9, 1935. Class 32.

Magnaflux Corporation, New York, N. Y. Metallic comminuted paramagnetic material. 325,366; June 18; Serial No. 360,364; published Apr. 9, 1935. Class 14.

Mal-Hoff Sales Corporation, Los Angeles, Calif. Dresses, frocks, coats, etc. 325,384; June 18. Class 39.

Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixtures. 325,365; June 18; Serial No. 360,366; published Apr. 9, 1935. Class 21.

McCartney, John J., Kansas City, Mo. Sandwiches. 325,240; June 18; Serial No. 361,530; published Apr. 9, 1935. Class 46.

McCutcheon, James, & Co., New York, N. Y. Base metal vases, shower curtains, and pewter hollow ware. 325,226; June 18; Serial No. 360,568; published Apr. 9, 1935. Class 13.

McCutcheon, James, & Co., New York, N. Y. Empty compacts, waste paper baskets, and make-up boxes. 325,227; June 18; Serial No. 360,566; published Apr. 9, 1935. Class 2.

McCutcheon, James, & Co., New York, N. Y. Pocketbooks. 325,228; June 18; Serial No. 360,565; published Apr. 9, 1935. Class 3.

McCutcheon, James, & Co., New York, N. Y. Tea and coffee sets, vases, and earthenware, etc. 325,229; June 18; Serial No. 360,564; published Apr. 9, 1935. Class 30.

Merchants Service Corporation, Chicago, Ill. Drain pipe solvent. 325,356; June 18; Serial No. 361,757; published Apr. 9, 1935. Class 6.

Meyers, W. F., Company, Inc., Bedford, Ind. Saws and saw teeth. 325,353; June 18; Serial No. 355,441; published Apr. 9, 1935. Class 23.

Milonas & Sons, doing business as General Enterprise Co., San Francisco, Calif. Malt cereal beverage. 325,342; June 18; Serial No. 337,751; published Oct. 2, 1934. Class 48.

Milson Company, The, Cincinnati, Ohio. Powder, liquid, and salve for the relief of feet. 325,217; June 18; Serial No. 360,782; published Apr. 2, 1935. Class 6.

Morehead Knitting Company, Harrisburg, Pa. Hosiery. 325,322; June 18; Serial No. 360,644; published Apr. 9, 1935. Class 39.

National Carbon Company, Inc., New York, N. Y. Brushes for electrical purposes. 325,216; June 18; Serial No. 359,815; published Apr. 9, 1935. Class 21.

National Mineral Company, Chicago, Ill. Whipped cleansing cream, circulation cream, face powder, etc. 325,388; June 18. Class 6.

Ohio Cushion Plate Company, The, Cleveland, Ohio. Clutch plates. 325,341; June 18; Serial No. 337,966; published Apr. 9, 1935. Class 23.

Ohio Leather Company, The, Girard, Ohio. Leather. 325,236; June 18; Serial No. 361,576; published Apr. 9, 1935. Class 1.

Ostrover, Isidore, New York, N. Y. Canned salmon and sardines. 325,297; June 18; Serial No. 361,985; published Apr. 9, 1935. Class 46.

Ottenheimer Bros., Little Rock, Ark. Coats, dresses, suits, blouses, etc. 325,274; June 18; Serial No. 359,142; published Apr. 9, 1935. Class 39.

Owens, Margaret A., Pittsburgh, Pa. Toy favors. 325,303; June 18; Serial No. 344,865; published Apr. 9, 1935. Class 22.

Oxoseal Rustproofing Company, Oakland, Calif. Electroplating solutions. 325,278; June 18; Serial No. 359,400; published Apr. 9, 1935. Class 6.

Pankey Importing Company, Inc., Birmingham, Ala. Canned corn, peas, salmon, etc. 325,291; June 18; Serial No. 359,901; published Apr. 9, 1935. Class 46.

Pioneer Suspender Company, Philadelphia, Pa. Booklets. 325,258; June 18; Serial No. 361,631; published Apr. 9, 1935. Class 38.

Powers New Products Corporation, Wilmington, Del., and New York, N. Y. Toy tracing sets. 325,249–50; June 18; Serial Nos. 361,332–3; published Apr. 9, 1935. Class 22.

Powers New Products Corporation, Wilmington, Del., and New York, N. Y. Toy tracing sets. 325,367; June 18; Serial No. 361,331; published Apr. 9, 1935. Class 22.

Powers New Products Corporation, Wilmington, Del., and New York, N. Y. Toy tracing sets. 325,369; June 18; Serial No. 361,330; published Apr. 9, 1935. Class 22.

Progress Brewing Company, Inc., Oklahoma City, Okla. Beer. 325,299; June 18; Serial No. 362,149; published Apr. 9, 1935. Class 48.

Pure Milk Dairy Products, Inc., Elgin, Ill. Cheese. 325,358; June 18; Serial No. 361,773; published Apr. 9, 1935. Class 46.

Pushee, J. C., & Sons, Inc., Boston, Mass. Painter's brushes. 325,247; June 18; Serial No. 361,368; published Apr. 9, 1935. Class 29.

Quaker City Coffee Mills, Inc., Philadelphia, Pa. Rice, coffee, tea, etc. 325,317; June 18; Serial No. 359,053; published Apr. 9, 1935. Class 46.

Quaker Maid Co., Inc., The, New York, N. Y. Chocolate malted food drink. 325,387; June 18. Class 46.

Randolph Marketing Co., Inc., Los Angeles, Calif. Fresh vegetables, citrus fruits, grapes, etc. 325,252; June 18; Serial No. 361,217; published Apr. 9, 1935. Class 46.

Reimers Electric Appliance Company, West New York, N. J. Electric pressing irons, electric steam irons, electric heating pads, etc. 325,392; June 18. Class 21.

Rolls-Royce, Limited, Derby, England. Internal-combustion engines. 325,316; June 18; Serial No. 359,007; published Apr. 9, 1935. Class 23.

Ross, Justin E., Kansas City, Mo. Golf bag carriers. 325,239; June 18; Serial No. 361,544; published Apr. 9, 1935. Class 22.

Rotary International. (See International Association of Rotary Clubs, assignor.)

Rust-Parker Company, Duluth, Minn. Ground coffee. 325,219; June 18; Serial No. 360,732; published Apr. 9, 1935. Class 46.

Sachs, Ralph, doing business as Sachs Mfg. Co., Pittsburgh, Pa. Almond lotion, bay rum, camphorated oil, etc. 325,270; June 18; Serial No. 352,647; published Apr. 9, 1935. Class 6.

Sandoz Chemical Works, Inc., New York, N. Y. Products for dyeing, finishing, and processing textiles. 325,322; June 18; Serial No. 361,122; published Apr. 9, 1935. Class 6.

Scharf, J. H., doing business as J. H. Scharf and Son, Omaha, Nebr. Changeable letter advertising device. 325,282; June 18; Serial No. 359,675; published Apr. 9, 1935. Class 50.

Schantz, William A., Scranton, Pa. Bread and rolls. 325,343; June 18; Serial No. 356,782; published Dec. 11, 1934. Class 46.

Schering Corporation, Bloomfield, N. J. Hormone preparation. 325,335; June 18; Serial No. 360,906; published Apr. 2, 1935. Class 6.

Schmidt, C., & Sons, Inc., Philadelphia, Pa. Malt beverages. 325,314; June 18; Serial No. 358,656; published Apr. 9, 1935. Class 48.

Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Creams, salves, ointments, etc. 325,377; June 18; Serial No. 360,080; published Apr. 9, 1935. Class 6.

Seydel Chemical Company, Jersey City, N. J. Preparation for use as a preservative. 325,309; June 18; Serial No. 357,787; published Apr. 2, 1935. Class 6.

Sherwin-Williams Co., The, Cleveland, Ohio. Soap. 325,376; June 18; Serial No. 360,083; published Apr. 9, 1935. Class 4.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides, fungicides and flocculators. 325,379; June 18; Serial No. 360,003; published Apr. 9, 1935. Class 6.

Smith, Seymour & Son, Inc., Oakville, Conn. Shears. 325,362; June 18; Serial No. 360,444; published Apr. 9, 1935. Class 23.

Société Anonyme Couesnon & Cie., Paris, France. Violins, bugles, drums, etc. 325,346; June 18; Serial No. 356,679; published Apr. 9, 1935. Class 36.

Sormani, Egbert J., Brooklyn, N. Y. Preparations for coughs and colds, headaches, etc. 325,269; June 18; Serial No. 352,991; published Apr. 9, 1935. Class 6.

Spalding, A. G., & Bros., New York, N. Y. Tennis rackets. 325,294; June 18; Serial No. 361,854; published Apr. 9, 1935. Class 22.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Solvents for cleaning purposes. 325,292; June 18; Serial No. 361,825; published Apr. 9, 1935. Class 4.

Standard Statistics Company, New York, N. Y. Periodical reports. 325,230; June 18; Serial No. 360,555; published Apr. 9, 1935. Class 38.

Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. 325,340; June 18; Serial No. 341,610; published Apr. 9, 1935. Class 37.

Steckler, Nat P., doing business as United States Pharmaceutical Company, New York, N. Y. Pharaceutical preparations. 325,393; June 18. Class 6.

Steinfeld, Henry, doing business as Steinfeld's Products, Portland, Oreg. Canned kraut. 325,262; June 18; Serial No. 359,546; published Apr. 9, 1935. Class 46.

Stempel, Irving, and Co., Inc., New York, N. Y. Ladies' shirts and shirtwaists, dresses, skirts, etc. 325,397; June 18. Class 39.

Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissues. 325,361; June 18; Serial No. 361,661–4; published Apr. 9, 1935. Class 37.

Stern, Irving H., Boston, Mass. Spring bottoms for chairs, beds, couches, etc. 325,319; June 18; Serial No. 359,059; published Apr. 9, 1935. Class 32.

Stevens-Davis Co., The, Chicago, Ill. Periodical. 325,313; June 18; Serial No. 358,535; published Apr. 9, 1935. Class 38.

Stevens, Frederic B., Inc., Detroit, Mich. Adhesive used in the making of cores. 325,223; June 18; Serial No. 360,615; published Apr. 9, 1935. Class 5.

Sylvia of Hollywood, New York, N. Y. Preparation for cleansing, softening and toning the skin. 325,234; June 18; Serial No. 360,505; published Apr. 2, 1935. Class 6.

Tannin Corporation, The, New York, N. Y. Licorice mass or paste. 325,378; June 18; Serial No. 360,052; published Apr. 9, 1935. Class 6.

Tastyeast, Inc., doing business as Green Bros., Trenton, N. J. Candy. 325,295; June 18; Serial No. 361,914; published Apr. 9, 1935. Class 46.

Thompson's Malted Food Company, Phoenix, Ariz., and Waukesha, Wis., assignor, by mesne assignments, to Borden's Milk Products Company, Inc., New York, N. Y. Malted foods. 104,159; renewed May 4, 1935.

Tissue Brands, Inc., New York, N. Y. Facial tissue and tissue handkerchiefs. 325,357; June 18; Serial No. 361,782; published Apr. 9, 1935. Class 37.

Toledo Pipe Threading Machine Co., The, Toledo, Ohio. Tools and machines, parts thereof, etc. 325,325; June 18; Serial No. 361,066; published Apr. 9, 1935. Class 23.

United Laboratories, Ltd., Pasadena, Calif. Condensed pure culture of Bacillus acidophilus in soy bean milk. 325,306; June 18; Serial No. 348,303; published Apr. 9, 1935. Class 6.

United States Cabinet Bed Co., Brooklyn, N. Y. Bed coil springs. 325,386; June 18. Class 32.

United States Pharmaceutical Company. (See Steckler, Nat P.)

Ure Druggist, Inc., Cleveland, Ohio. Tooth brushes. 325,238; June 18; Serial No. 361,548; published Apr. 9, 1935. Class 29.

Vadsco Sales Corporation, Long Island City, and New York, N. Y. Ointments and jellies for the treatment of burns and scalds. 325,275; June 18; Serial No. 359,248; published Apr. 9, 1935. Class 6.

Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. Cabinets, files, file cabinets, etc. 325,348; June 18; Serial No. 356,059; published Nov. 6, 1935. Class 32.

Vita Var Corporation, Newark, N. J. Ready mixed paints, varnishes, driers, etc. 325,254; June 18; Serial No. 361,155; published Apr. 9, 1935. Class 16.

Vonciff Drayer Co., The, Baltimore, Md. Candies. 325,385; June 18. Class 46.

W & A Products, Inc., Cambridge, Mass. Containers for liquids. 325,321; June 18; Serial No. 361,130; published Apr. 9, 1935. Class 2.

W. O. V. Publishing, Inc., New York, N. Y. Newspaper. 325,293; June 18; Serial No. 361,830; published Apr. 9, 1935. Class 38.

Wahl Institute, Chicago, Ill. Malt beverages. 325,245; June 18; Serial No. 361,405; published Apr. 9, 1935. Class 48.

Walla Walla Canning Company, Walla Walla, Wash. Canned fruits and vegetables. 325,260; June 18; Serial No. 361,589; published Apr. 9, 1935. Class 46.

Washburn Company, The. (See Andrews Wire and Iron Works, assignor.)

Weber & Heilbroner, Inc., New York, N. Y. Shirts and collars. 325,331; June 18; Serial No. 360,976; published Apr. 9, 1935. Class 39.

Weldeman Co., The, Cleveland, Ohio. Coffee. 325,223; June 18; Serial No. 360,510; published Apr. 9, 1935. Class 46.

Welch's Candy, Limited, Los Angeles, Calif. Candies. 325,263; June 18; Serial No. 350,001; published Apr. 9, 1935. Class 46.

Wenatchee Jim Hill Growers, Inc., Wenatchee, Wash. Fresh deciduous fruits. 325,302; June 18; Serial No. 343,936; published Apr. 2, 1935. Class 46.

Werts Novelty Co., Inc., Muncie, Ind. Game of chance. 325,268; June 18. Serial No. 354,543; published Apr. 9, 1935. Class 22.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trays and food and drink dishes. 325,267; June 18; Serial No. 354,784; published Apr. 9, 1935. Class 2.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Wines. 325,256; June 18; Serial No. 361,652; published Apr. 9, 1935. Class 47.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Wines. 325,257; June 18; Serial No. 361,650; published Apr. 9, 1935. Class 47.

White, H. N., Co., The, Cleveland, Ohio. Musical instruments. 325,334; June 18; Serial No. 360,946; published Apr. 9, 1935. Class 36.

Willner, Harry, Long Island City, N. Y. Eggs. 325,307; June 18; Serial No. 348,419; published Apr. 9, 1935. Class 46.

Young, J. S., Company, The, Baltimore, Md. Dyes and chemicals suitable for application in dyeing. 325,318; June 18; Serial No. 359,072; published Apr. 2, 1935. Class 6.

Youth Publishing Corporation, New York, N. Y. Magazine. 325,230; June 18; Serial No. 359,875; published Apr. 9, 1935. Class 38.

LIST OF REGISTRANTS OF LABELS

Allen Chemical Co. Inc., New York, N. Y. Relaxation—Non-Slip Corn Pads. For Corn Pads. 45,827; June 18.

Allen Chemical Co. Inc., New York, N. Y. Relaxation—Adhesive Moleskin. For Adhesive, Medicated Moleskin for Relieving Pressure on Corns, Calluses, Bunions, and Tender Parts of the Feet Caused by Tight Shoes. 45,828; June 18.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Stainless Fly Killer. For a Liquid Preparation for Killing Flies. 45,829; June 18.

Barmon Brothers Company, Inc., Buffalo, N. Y. Cookie Coat. For Coats. 45,830; June 18.

Bernstein, Jesse L., doing business as Stamp Guild, New York, N. Y. Stamp-Views. For Miniature Views in Poster Stamp Form. 45,831; June 18.

Combine Clothing Exchange Inc., New York, N. Y. Non-Shatness Kosher Clothes. For Clothes. 45,832; June 18.

Continental Distilling Corporation, Philadelphia, Pa. Dixie Belle. For Gin, Gin Compounds, and Gin Cocktails—Namely, Sloe Gin, Distilled Old Tom Gin, Buchu Gin Compounds, Vermouth Cocktail, and Bronx Cocktail. 45,833; June 18.

Continental Distilling Corporation, Philadelphia, Pa. Captain Kidd. For Straight Whisky. 45,834; June 18.

Continental Distilling Corporation, Philadelphia, Pa. Authentic. For Blended Whisky. 45,835; June 18.

Dank, Solomon, Homewood, Ala. Virgin Wave Ingredients G V 57 Pyro-Thy-Mene. For Permanent Wave Emulsions. 45,836; June 18.

Day, Christena Mae M., Birmingham, Mich. Christena Mae M. Day. For Hand Lotion. 45,837; June 18.

Eastland, Mae B., Chattanooga, Tenn. The Needlecraft Shop. For Patterns. 45,838; June 18.

Fireproof Cleaner Company. (See Milloy, Edward B.)

Forest City Brewery, Inc., Cleveland, Ohio. Special Waldort Lager. For Beer. 45,839; June 18.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Samson Brau. For Beer. 45,840; June 18.

Fortune Laboratories, Inc., New York, N. Y. Hairight for Oily Hair. For a Preparation for Oily Hair. 45,841; June 18.

Fortune Laboratories, Inc., New York, N. Y. Hairight for Dry Hair. For a Preparation for Dry Hair. 45,842; June 18.

Fortune Laboratories, Inc., New York, N. Y. Hairight to Remove Dandruff. For a Preparation to Remove Dandruff. 45,843; June 18.

Fortune Laboratories, Inc., New York, N. Y. Hairight for Falling Hair. For a Preparation for Falling Hair. 45,844; June 18.

Fur Guild Bureau of Standards, Incorporated, New York, N. Y. Seal of Acceptance and Approval. For Garments. 45,845; June 18.

Gilmore Oil Company, Los Angeles, Calif. Record Breaker. For Gasoline. 45,846; June 18.

Gloucester Fresh Fish Company, Boston, Mass. North East Brand Fancy Fillets. For Fillets of Fish. 45,847; June 18.

Harvey, John, Drug Co., The, Detroit, Mich. Red Caps Capsules for Better Health. For Capsules. 45,848; June 18.

Johnson, H. B., Rochelle, Ill. Johnsons Dyne-Meal. For a Cereal. 45,849; June 18.

Mead, C. H., Coal Company, Beckley, W. Va. Mead's Laundered Smokeless Coal. For Coal. 45,850; June 18.

Milloy, Edward B., doing business as Fireproof Cleaner Company, Cleveland, Ohio. Fireproof Cleaner. For Cleaner for Rugs, Carpets, etc. 45,851; June 18.

Ogilvie Sisters Laboratories, Inc., New York, N. Y. Boy's Hair Lotion. For Hair Lotion. 45,852; June 18.

Ogilvie Sisters Laboratories, Inc., New York, N. Y. Girl's Hair Lotion. For Hair Lotion. 45,853; June 18.

Philo, Union City, N. J. Nu-Eze Nature's Foot Salt. For Foot Salt. 45,854; June 18.

Schwartz, Samuel, New York, N. Y. Wild Tiger. For Leather Beltings for Machines. 45,855; June 18.

Simmons, Emma, Fort Wayne, Ind. Simora Cosmetics. For Cosmetics. 45,856; June 18.

Stamp Guild. (See Bernstein, Jesse L.)

Thomson Machine Company, Belleville, N. J. Thomson Vulta Covering Cement. For Cement. 45,857; June 18.

Weinstein, Leon, St. Louis, Mo. Thrift Steel-Heel Plates. For Steel Heel Plates. 45,858; June 18.

White, Robert C., Company, Falls of Schuylkill, Philadelphia, Pa. Socko Insect Spray. For Insecticide. 45,859; June 18.

Wilson Mills, Inc., Burlington, N. C. Semper-Vigilans. For Hosiery. 45,860; June 18.

Wright, Salman L., Crowley, La. Sol Wright's Blue Rose Rice. For Rice. 45,861; June 18.

LIST OF REGISTRANTS OF PRINTS

D'Alante, Jose, & Co., Chicago, Ill. Idolita Hole in the Head—Don't Bite Just Lite. For Cigars. 15,220; June 18.

Goodrich, B. F., Company, The, Akron, Ohio. I'll Take a Chance Deep Sea Divine—But I Don't Want Another Blow Out (Ad No. GBC 53). For Rubber Tires. 15,221; June 18.

Laxoris Company, The, Minneapolis, Minn. Keep the Fragrant Mouth of Youth. For a Preparation Used as a Mouthwash, an Astringent and a Deodorant. 15,222; June 18.

Lewis, A. D., Atlanta, Ga. Brandimist. For Soft Drinks. 15,223; June 18.

Markwell Mfg. Co., Inc., New York, N. Y. Markwell Staplers—For Tackers, Fasteners, Staplers, Stitchers and Staples. 15,224; June 18.

Markwell Mfg. Co., Inc., New York, N. Y. Markwell Staples. For Staplers. 15,225; June 18.

Pickard, D. H., San Antonio, Tex. For Feet's Sake, Pedal-Flex, Builds the Arch While You Walk. For Arch Supports. 15,226; June 18.

Vita-Lux Products, Inc., New York, N. Y. For the Entire Family—Luxamin. For a Preparation for the Treatment of Nervousness, Constipation, Indigestion, Low Energy, Spring Fever, Poor Appetite, and Skin Troubles. 15,227; June 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Delta Coal Mining Company. 325,273; June 18; Serial No. 359,083; published Apr. 9, 1935.

Fuel, particularly coal. Farm Service Stores, Inc. 325,244; June 18; Serial No. 361,460; published Apr. 9, 1935.

Leather. Ohio Leather Company. 325,236; June 18; Serial No. 361,576; published Apr. 9, 1935.

Pitch and pitch-like goods for use in breweries. Chemische Werke Marienfelde A. G. 325,310; June 18; Serial No. 357,942; published Apr. 9, 1935.

Sand and mixtures including sand and pulverulent glass. Libbey Owens-Ford Glass Company. 325,354; June 18; Serial No. 355,363; published Apr. 9, 1935.

Seeds. Farm Service Stores, Inc. 325,243; June 18; Serial No. 361,461; published Apr. 9, 1935.

Wood pulp. Gottesman and Company. 325,371; June 18; Serial No. 360,270; published Apr. 9, 1935.

CLASS 2

Compacts, waste paper baskets and make-up boxes, Empty. James McCutcheon & Co. 325,227; June 18; Serial No. 360,566; published Apr. 9, 1935.

Containers for liquids. W. & A. Products, Inc. 325,321; June 18; Serial No. 361,130; published Apr. 9, 1935.
Flower-boxes, vases, bowls, etc., Cast stone. Arterete Products Company. 325,253; June 18; Serial No. 361,201; published Apr. 9, 1935.
Trays and food and drink dishes. Westinghouse Electric & Manufacturing Company. 325,267; June 18; Serial No. 354,784; published Apr. 9, 1935.
Tubes, Collapsible. Aluminum Company of America. 325,224; June 18; Serial No. 360,613; published Apr. 9, 1935.

CLASS 3

Pocketbooks. James McCutcheon & Co. 325,228; June 18; Serial No. 360,565; published Apr. 9, 1935.
Structural shapes for handbags. Fang-Grip Corporation. 325,364; June 18; Serial No. 360,434; published Apr. 9, 1935.

CLASS 4

Preparation for cleaning bright metals, Chemical. C. O. Eschbaugh. 325,255; June 18; Serial No. 361,140; published Apr. 9, 1935.
Soap. Sherwin-Williams Co. 325,376; June 18; Serial No. 360,083; published Apr. 9, 1935.
Solvents for cleaning purposes. Standard Oil Company of California. 325,292; June 18; Serial No. 361,825; published Apr. 9, 1935.

CLASS 5

Adhesive used in the making of cores. Frederic B. Stevens, Inc. 325,223; June 18; Serial No. 360,615; published Apr. 9, 1935.

CLASS 6

Antiseptic. K. & S. Laboratories, Inc. 325,220; June 18; Serial No. 360,671; published Apr. 9, 1935.
Antiseptic and bactericide. L. Clement. 325,333; June 18; Serial No. 360,954; published Apr. 2, 1935.
Brilliantine, soapless shampoo, after shave lotion, etc. G. W. Berman. 325,258; June 18; Serial No. 359,709; published Apr. 9, 1935.
Cologne, face powder, tonic, etc. W. E. Bugbee. 325,304; June 18; Serial No. 346,287; published May 29, 1934.
Composition for use in connection with laundering clothes, etc., Perfumed. Lee, Alexander & Sheid. 325,277; June 18; Serial No. 359,360; published Apr. 2, 1935.
Cream, circulation cream, face powder, Whipped cleansing. National Mineral Company. 325,388; June 18.
Creams, salves, ointments, etc. Scholl Mfg. Co. Inc. 325,377; June 18; Serial No. 360,080; published Apr. 9, 1935.
Culture of Bacillus acidophilus in soy bean milk. Condensed pure. United Laboratories, Ltd. 325,306; June 18; Serial No. 348,303; published Apr. 9, 1935.
Dyes and chemicals suitable for application in dyeing. J. S. Young Company. 325,318; June 18; Serial No. 359,072; published Apr. 2, 1935.
Electro plating solutions. Oxoseal Rustproofing Company. 325,278; June 18; Serial No. 359,400; published Apr. 9, 1935.
Hormone preparation. Schering Corporation. 325,335; June 18; Serial No. 360,906; published Apr. 2, 1935.
Insecticides, fungicides and flocculators. Sherwin-Williams Co. 325,379; June 18; Serial No. 360,003; published Apr. 9, 1935.
Laxatives. Burrell-Dugger Company. 325,330; June 18; Serial No. 360,987; published Apr. 9, 1935.
Licorice mass or paste. Tamsin Corporation. 325,378; June 18; Serial No. 360,052; published Apr. 9, 1935.
Liniments, salves, and decoctions manufactured from herbs. V. Baudendistel & Son. 103,146; renewed Mar. 16, 1935.
Lotion, bay rum, camphorated oil, etc., Almond. R. Sachs. 325,270; June 18; Serial No. 352,647; published Apr. 9, 1935.
Medical compound tablets. Bo-Ha-Ni Laboratories. 325,283; June 18; Serial No. 359,701; published Apr. 2, 1935.
Medicated pads, medicated fabrics and medicaments. Forest City Rubber Company. 325,328; June 18; Serial No. 361,005; published Apr. 9, 1935.
Medicine for relief of neuritis, rheumatism, etc., Internal. T. Boschmeyer. 325,338; June 18; Serial No. 360,839; published Apr. 2, 1935.
Medicines for coughs, colds, etc. A. B. C. O. Laboratories. 325,221; June 18; Serial No. 360,661; published Apr. 9, 1935.
Ointment or salve. Georgian Pharmacal Co. 325,323; June 18; Serial No. 361,089; published Apr. 9, 1935.
Ointments and jellies for the treatment of burns and scalds. Vadsco Sales Corporation. 325,275; June 18; Serial No. 359,248; published Apr. 9, 1935.
Oleaginous composition used as a plasticiser for pyroxylin, etc. Dreyy Products Company. 325,370; June 18; Serial No. 360,306; published Apr. 2, 1935.
Pharmaceutical preparations. N. P. Steckler. 325,393; June 18.
Pills, Liver. Carter Medicine Company. 325,251; June 18; Serial No. 361,256; published Apr. 9, 1935.
Plasticizing and softening agents, artificial resins, drying oils, etc. I. G. Farbenindustrie Aktiengesellschaft. 325,315; June 18; Serial No. 358,846; published Apr. 2, 1935.
Powder, liquid and salve for the relief of feet. Milson Company. 325,217; June 18; Serial No. 360,782; published Apr. 2, 1935.
Preparation for cleansing, softening and toning the skin. Sylvia of Hollywood. 325,234; June 18; Serial No. 360,565; published Apr. 2, 1935.
Preparation for exterminating rats and mice. Corn Fix Company. 325,329; June 18; Serial No. 360,992; published Apr. 9, 1935.
Preparation for making artificial mineral water. Concentrated. S. M. Bartok. 325,272; June 18; Serial No. 359,075; published Apr. 9, 1935.
Preparation for the destruction of rats and mice. Botanical Manufacturing Company. 101,618; renewed Jan 5, 1935.
Preparation for the treatment of ailments of the liver, kidneys, etc. M. de Lanmoise. 325,312; June 18; Serial No. 358,201; published Apr. 2, 1935.
Preparation for the treatment of digestive disorders. Dean Wallace Corporation. 325,225; June 18; Serial No. 360,579; published Apr. 2, 1935.
Preparation for treatment of dandruff and hair. Dandr-O Laboratories. 325,336; June 18; Serial No. 360,881; published Apr. 9, 1935.
Preparation for use as a preservative. Seydel Chemical Company. 325,309; June 18; Serial No. 357,787; published Apr. 2, 1935.
Preparation for use in the treatment of wire cuts, sore shoulders, etc. I. N. Fagg. 325,394; June 18.
Preparations for coughs and colds, headaches, etc. E. J. Sermani. 325,269; June 18; Serial No. 352,991; published Apr. 9, 1935.
Products for dyeing, finishing and processing textiles. Sandox Chemical Works, Inc. 325,322; June 18; Serial No. 361,122; published Apr. 9, 1935.
Sealing compound, Chemical metallic. W. F. Boeckel. 325,373; June 18; Serial No. 360,208; published Apr. 2, 1935.
Solution and ointment, Healing and antiseptic. M. S. Clauser. 325,231; June 18; Serial No. 360,535; published Apr. 9, 1935.
Solvent, Drain pipe. Merchants Service Corporation. 325,356; June 18; Serial No. 361,757; published Apr. 9, 1935.
Tonic formula. Harrower Laboratory, Inc. 325,363; June 18; Serial No. 360,410; published Apr. 2, 1935.
Vaccines. Laboratorio Brasileiro de Chimiotherapia, Ltda. 325,301; June 18; Serial No. 342,008; published Apr. 9.

CLASS 10

Fertilizers. American Agricultural Chemical Company. 325,381; June 18; Serial No. 359,976; published Apr. 9, 1935.
Fish meal used as a fertilizer. California Packing Corporation. 325,339; June 18; Serial No. 360,821; published Apr. 9, 1935.

CLASS 13

Hardware supplies. Andrews Wire and Iron Works. 101,728; renewed Jan. 12, 1935.
Vases, shower curtains, and pewter hollow ware, Base metal. James McCutcheon & Co. 325,226; June 18; Serial No. 360,568; published Apr. 9, 1935.

CLASS 14

Electrodes for electric arc welding. Hollup Corporation. 325,281; June 18; Serial No. 359,584; published Apr. 9, 1935.
Gold leaf, roll gold leaf, silver leaf, etc. W. H. Kemp Co. 325,326; June 18; Serial No. 361,018; published Apr. 9, 1935.
Paramagnetic material, Metallic comminated. Magnadux Corporation. 325,366; June 18; Serial No. 360,564; published Apr. 9, 1935.
Type. American Type Founders Sales Corporation. 325,337; June 18; Serial No. 360,873; published Apr. 9, 1935.

CLASS 16

Paints, varnishes, driers, etc., Ready-mixed. Vita-Var Corporation. 325,254; June 18; Serial No. 361,155; published Apr. 9, 1935.
Zinc oxide for use as paint pigment. American Zinc Sales Company. 325,284-7; June 18; Serial Nos. 359,765-8; published Apr. 9, 1935.

CLASS 19

Wheels for motor vehicles, Emergency. American Tire Guard Company. 325,279; June 18; Serial No. 359,535; published Apr. 9, 1935.

CLASS 21

Apparatus for electric arc welding. Lincoln Electric Company. 325,382; June 18; Serial No. 359,956; published Apr. 9, 1935.
Brushes for electrical purposes. National Carbon Company. 325,216; June 18; Serial No. 360,815; published Apr. 9, 1935.
Electric lighting fixtures. Marked Electric Products, Inc. 325,365; June 18; Serial No. 360,366; published Apr. 9, 1935.
Electric pressing irons, electric steam irons, electric heating tools, etc. Reiners Electric Appliance Company. 325,392; June 18.

CLASS 22

Dolls. B. Behrman. 325,298; June 18; Serial No. 362,009; published Apr. 9, 1935.
Game, Card. V. Dean. 325,246; June 18; Serial No. 361,385; published Apr. 9, 1935.
Game of chance. Werts Novelty Co. 325,268; June 18; Serial No. 354,543; published Apr. 9, 1935.
Golf bag carriers. J. E. Ross. 325,239; June 18; Serial No. 361,544; published Apr. 9, 1935.
Sporting and athletic goods. Great Western Athletic Goods Co. 325,280; June 18; Serial No. 359,546; published Apr. 9, 1935.
Tennis balls and gut strings for tennis rackets. E. P. Junieman Corporation. 325,296; June 18; Serial No. 361,968; published Apr. 9, 1935.
Tennis rackets. A. G. Spalding & Bros. 325,294; June 18; Serial No. 361,854; published Apr. 9, 1935.
Toy favors. M. A. Owens. 325,303; June 18; Serial No. 344,865; published Apr. 9, 1935.
Toy, tracing sets. Powers New Products Corporation. 325,249-50; June 18; Serial Nos. 361,332-3; published Apr. 9, 1935.
Toy tracing sets. Powers New Products Corporation. 325,367; June 18; Serial No. 361,331; published Apr. 9, 1935.
Toy tracing sets. Powers New Products Corporation. 325,369; June 18; Serial No. 361,339; published Apr. 9, 1935.

CLASS 23

Clutch plates. Ohio Cushion Plate Company. 325,341; June 18; Serial No. 337,966; published Apr. 9, 1935.
Engines, Internal combustion. Rolls-Royce, Limited. 325,310; June 18; Serial No. 359,007; published Apr. 9, 1935.
Motors, Outboard. Champion Outboard Motors. 325,259; June 18; Serial No. 361,605; published Apr. 9, 1935.
Saws and saw teeth. W. F. Meyers Company. 325,353; June 18; Serial No. 355,441; published Apr. 9, 1935.
Shears. Seymour Smith & Son, Inc. 325,362; June 18; Serial No. 360,444; published Apr. 9, 1935.
Sweepers, Carpet. Bissell Carpet Sweeper Company. 325,347; June 18; Serial No. 356,572; published Apr. 9, 1935.
Tools and machines, parts thereof, etc. Toledo Pipe Threading Machine Co. 325,325; June 18; Serial No. 361,066; published Apr. 9, 1935.

CLASS 26

Chemical feeders, hydraulic control tables, fluid gauges, etc. International Filter Company. 325,305; June 18; Serial No. 340,513; published Apr. 9, 1935.
Measuring medicine spoon. M. Kolb. 325,332; June 18; Serial No. 360,967; published Apr. 9, 1935.

CLASS 29

Brushes, Painter's. J. C. Pushee & Sons, Inc. 325,247; June 18; Serial No. 361,368; published Apr. 9, 1935.
Tooth brushes. Ure Druggist, Inc. 325,238; June 18; Serial No. 361,548; published Apr. 9, 1935.

CLASS 30

Tea and coffee sets, vases, and earthenware, etc. James McCutcheon & Co. 325,229; June 18; Serial No. 360,564; published Apr. 9, 1935.

CLASS 31

Partitioning devices for ice trays, Removable. Inland Manufacturing Company. 325,261; June 18; Serial No. 351,318; published Apr. 9, 1935.

CLASS 32

Bed coil springs. United States Cabinet Bed Co. 325,386; June 18.
Cabinets, files, file cabinets, etc. Victor Safe & Equipment Company. 325,348; June 18; Serial No. 356,059; published Nov. 6, 1934.
Furniture, Cast stone. Arterete Products Company. 325,266; June 18; Serial No. 359,073; published Apr. 9, 1935.
Furniture, Living room. Los Angeles Period Furniture Co. 325,289; June 18; Serial No. 359,804; published Apr. 9, 1935.
Spring bottoms for chairs, beds, couches, etc. I. H. Stern. 325,319; June 18; Serial No. 359,059; published Apr. 9, 1935.

CLASS 34

Coal burners, Automatic. Iron Fireman Manufacturing Company. 325,237; June 18; Serial No. 361,575; published Apr. 9, 1935.
Reflectors, Aluminum. Aluminum Company of America. 325,232; June 18; Serial No. 360,517; published Apr. 9, 1935.
Reflectors, Aluminum. Aluminum Company of America. 325,271; June 18; Serial No. 352,304; published Apr. 9, 1935.

CLASS 36

Musical instruments. H. N. White Co. 325,334; June 18; Serial No. 360,946; published Apr. 9, 1935.
Violins, bugles, drums, etc. Société Anonyme Comesnon & Cie. 325,346; June 18; Serial No. 356,679; published Apr. 9, 1935.

CLASS 37

Paper and envelopes. W. T. Grant Company. 325,218; June 18; Serial No. 360,773; published Apr. 9, 1935.
Paper display material, Corrugated. Excelsior Paper Specialties Co. Inc. 325,360; June 18; Serial No. 361,671; published Apr. 9, 1935.
Paper, Writing. Lee Paper Company. 325,311; June 18; Serial No. 357,955; published Apr. 9, 1935.
Pencils, erasers, and refill tubes. Eagle Pencil Company. 325,241; June 18; Serial No. 361,520; published Apr. 9, 1935.
Tissue and tissue handkerchiefs, Facial. Tissue Brands, Inc. 325,357; June 18; Serial No. 361,782; published Apr. 9, 1935.
Tissues, Facial. Sterlek Company Inc. 325,361; June 18; Serial No. 361,684; published Apr. 9, 1935.
Wall paper. Star-Peerless Wall Paper Mills. 325,340; June 18; Serial No. 341,610; published Apr. 9, 1935.

CLASS 38

Booklets. Pioneer Suspender Company. 325,258; June 18; Serial No. 361,631; published Apr. 9, 1935.
Cards, placards, handbills, etc. Hogle & Taylor Company. 325,380; June 18; Serial No. 359,992; published Apr. 9, 1935.
Magazine. F. W. Dodge Corporation. 325,355; June 18; Serial No. 361,799; published Apr. 9, 1935.
Magazine. I. D. M. Publishing Co, Inc. 325,300; June 18; Serial No. 341,714; published Nov. 28, 1933.
Magazine, Youth Publishing Corporation. 325,290; June 18; Serial No. 359,875; published Apr. 9, 1935.
Newspaper. W. O. V. Publishing, Inc. 325,293; June 18; Serial No. 361,830; published Apr. 9, 1935.
Periodical, Stevens-Davis Co. 325,313; June 18; Serial No. 358,535; published Apr. 9, 1935.
Periodical reports, Standard Statistics Company. 325,230; June 18; Serial No. 360,555; published Apr. 9, 1935.
Publication, International Association of Rotary Clubs. 102,800; renewed Feb. 23, 1935.
Section of a monthly publication, Business Journals, Inc. 325,359; June 18; Serial No. 361,722; published Apr. 9, 1935.
Sheets of a periodical nature, Fashion release. Chain Pattern Corporation. 325,390; June 18.
Sheets of a periodical nature, Pattern release. Household Arts, Inc. 325,391; June 18.
Sketches for furniture and furniture hardware. Kimerly Studio. 325,320; June 18; Serial No. 361,133; published Apr. 9, 1935.

CLASS 39

Bloomers, and women's panties, stepins, etc. Blossom Products Corporation. 325,248; June 18; Serial No. 361,354; published Apr. 9, 1935.
Coats, dresses, suits, blouses, etc. Oppenheimer Bros. 325,274; June 18; Serial No. 359,142; published Apr. 9, 1935.
Dresses and negligees. A. Barsa & Bro. Inc. 325,344; June 18; Serial No. 356,793; published Apr. 9, 1935.
Dresses, frocks, coats, etc. Mal-Holl Sales Corporation. 325,384; June 18.
Hosiery. Moorhead Knitting Company. 325,222; June 18; Serial No. 360,644; published Apr. 9, 1935.
Shirts and collars. Weber & Heilbroner, Inc. 325,331; June 18; Serial No. 360,976; published Apr. 9, 1935.
Shirts and shirtwaists, dresses, skirts, etc., Ladies. Irving Stempel and Co. 325,397; June 18.
Suits and overcoats, Men's. S. Gourse & Sons. 325,396; June 18.

CLASS 44

Pads used in the permanent waving of human hair. E. Frederics, Inc. 325,324; June 18; Serial No. 361,087; published Apr. 9, 1935.
Threads, cords, ribbons, etc., Synthetic. Chemische Forschungsgesellschaft m. b. H. 325,350 1; June 18; Serial Nos. 355,929 30; published Apr. 9, 1935.

CLASS 46

Bread and rolls. W. A. Schautz. 325,345; June 18; Serial No. 356,782; published Dec. 11, 1934.
Candies. Voneiff Drayer Co. 325,385; June 18.
Candies, Welch's Candy, Limited. 325,263; June 18; Serial No. 350,091; published Apr. 9, 1935.
Candy, George Close Company. 325,308; June 18; Serial No. 357,117; published Apr. 9, 1935.
Candy, E. F. Kemp, Inc. 325,235; June 18; Serial No. 360,477; published Apr. 9, 1935.
Candy, Tastycast, Inc. 325,295; June 18; Serial No. 361,914; published Apr. 9, 1935.
Canned corn, peas, salmon, etc. Pankey Importing Company. 325,291; June 18; Serial No. 359,901; published Apr. 9, 1935.
Canned fresh tomatoes and tomato paste. Flotill Products, Inc. 325,374; June 18; Serial No. 360,169; published Apr. 9, 1935.
Canned fruit. Balfour, Guthrie & Co. 325,265; June 18; Serial No. 349,110; published Apr. 9, 1935.
Canned fruits and vegetables. Larsen Company. 325,372; June 18; Serial No. 360,230; published Apr. 9, 1935.
Canned fruits and vegetables. Walla Walla Canning Company. 325,260; June 18; Serial No. 361,589; published Apr. 9, 1935.

Canned kraut. H. Steinfeld. 325,262; June 18; Serial No. 359,546; published Apr. 9, 1935.
Canned olives. Albert Packing Company. 325,383; June 18.
Canned salmon and sardines. I. Ostrover. 325,297; June 18; Serial No. 361,985; published Apr. 9, 1935.
Cheese. Pure Milk Dairy Products, Inc. 325,358; June 18; Serial No. 361,773; published Apr. 9, 1935.
Coffee. Weideman Co. 325,233; June 18; Serial No. 360,510; published Apr. 9, 1935.
Coffee, Ground. Rust-Parker Company. 325,219; June 18; Serial No. 360,732; published Apr. 9, 1935.
Coffees, teas, spices, etc. C. F. Bonsor & Co. 103,371; renewed Mar. 30, 1935.
Eggs. H. Willner. 325,307; June 18; Serial No. 348,419; published Apr. 9, 1935.
Flour. General Mills, Inc. 325,352; June 18; Serial No. 355,702; published Apr. 9, 1935.
Flour, Wheat. Cosby-Hodges Milling Co. Inc. 325,242; June 18; Serial No. 361,513; published Apr. 9, 1935.
Food drink. Chocolate malted. Quaker Maid Co. 325,387; June 18.
Foods, Malted. Thompson's Malted Food Company. 104,159; renewed May 4, 1935.
Fruits, Fresh deciduous. Wenatchee Jim Hill Growers, Inc. 325,302; June 18; Serial No. 343,936; published Apr. 2, 1935.
Pecans, Papershell. Butler & Cromartie, Inc. 325,375; June 18; Serial No. 360,125; published Apr. 9, 1935.
Pepper sauce, jelly powder, cocoa, etc. Frank Tea & Spice Co. 325,343; June 18; Serial No. 254,908; published Apr. 9, 1935.
Rice, coffee, tea, etc. Quaker City Coffee Mills, Inc. 325,317; June 18; Serial No. 359,053; published Apr. 9, 1935.
Sandwiches. J. J. McCartney. 325,240; June 18; Serial No. 361,530; published Apr. 9, 1935.
Soup mixture, Dry. J. S. Hopkins. 325,395; June 18.
Vegetables, citrus fruit, grapes, etc., Fresh. Randolph Marketing Co. 325,252; June 18; Serial No. 361,217; published Apr. 9, 1935.

CLASS 47

Wines. J. G. Dorn. 325,368; June 18; Serial No. 361,356; published Apr. 2, 1935.
Wines. Atlas Import & Export Corporation. 325,276; June 18; Serial No. 359,230; published Apr. 9, 1935.
Wines. Franck & Company. 325,327; June 18; Serial No. 361,006; published Apr. 9, 1935.
Wines. Italian Wine Company. 325,264; June 18; Serial No. 349,370; published Apr. 9, 1935.
Wines. West Shore Wine & Liquor Company. 325,256; June 18; Serial No. 361,652; published Apr. 9, 1935.
Wines. West Shore Wine & Liquor Company. 325,257; June 18; Serial No. 361,650; published Apr. 9, 1935.

CLASS 48

Ale. Cold Spring Brewing Company. 325,349; June 18; Serial No. 355,962; published Apr. 9, 1935.
Beer. Progress Brewing Company. 325,299; June 18; Serial No. 362,149; published Apr. 9, 1935.
Malt beverages. C. Scamidt & Sons, Inc. 325,314; June 18; Serial No. 358,656; published Apr. 9, 1935.
Malt beverages. Wahl Institute. 325,245; June 18; Serial No. 361,405; published Apr. 9, 1935.
Malt cereal beverage. Milonas & Sons. 325,342; June 18; Serial No. 337,751; published Oct. 2, 1935.

CLASS 49

Whiskey. Bon-Ton Incorporated. 325,389; June 18.

CLASS 50

Advertising device, Changeable letter. J. H. Scharf. 325,282; June 18; Serial No. 359,675; published Apr. 9, 1935.

LIST OF LABELS

Authentic. For Blended Whisky. Continental Distilling Corporation. 45,835; June 18.
Boys' Hair Lotion. For Hair Lotion. Ogilvie Sisters Laboratories, Inc. 45,852; June 18.
Captain Kidd. For Straight Whisky. Continental Distilling Corporation. 45,834; June 18.
Christena Mac M. Day. For Hand Lotion. C. Mac M. Day. 45,837; June 18.
Cookie Coat. For Coats. Barmon Brothers Company. 45,830; June 18.
Dixie Belle. For Gin, Gin Compounds, and Gin Cocktails—Namely, Sloe Gin, Distilled Old Tom Gin, Buchu Gin Compounds, Vermouth Cocktail, and Bronx Cocktail. Continental Distilling Corporation. 45,833; June 18.
Dwin Stainless Fly Killer. For a Liquid Preparation for Killing Flies. Baldwin Laboratories, Inc. 45,829; June 18.
Fireproof Cleaner. For Cleaner for Rugs, Carpets, etc. E. B. Milroy. 45,851; June 18.
Girl's Hair Lotion. For Hair Lotion. Ogilvie Sisters Laboratories, Inc. 45,853; June 18.
Hairight for Dry Hair. For a Preparation for Dry Hair. Fortune Laboratories, Inc. 45,842; June 18.
Hairight for Falling Hair. For a Preparation for Falling Hair. Fortune Laboratories, Inc. 45,844; June 18.
Hairight for Oily Hair. For a Preparation for Oily Hair. Fortune Laboratories, Inc. 45,841; June 18.
Hairight to Remove Dandruff. For a Preparation to Remove Dandruff. Fortune Laboratories, Inc. 45,843; June 18.
Johnsons Dyne-Meal. For a Cereal. H. B. Johnson. 45,849; June 18.
Mead's Laundered Smokeless Coal. For Coal. C. H. Mead Coal Company. 45,850; June 18.
Non-Shatness Kosher Clothes. For Clothes. Combine Clothing Exchange Inc. 45,832; June 18.
North East Brand Fancy Fillets. For Fillets of Fish. Gloucester Fresh Fish Company. 45,847; June 18.
Nu-Eze Nature's Foot Salt. For Foot Salt. Philo. 45,854; June 18.
Record Breaker. For Gasoline. Gilmore Oil Company. 45,846; June 18.
Red Caps Capsules for Better Health. For Capsules. John Harvey Drug Co. 45,848; June 18.
Relaxation—Adhesive Moleskin. For Adhesive, Medicated Moleskin for Relieving Pressure on Corns, Calluses, Bunions and Tender Parts of the Feet Caused by Tight Shoes. Allen Chemical Co. Inc. 45,828; June 18.
Relaxation Non-Slip Corn Pads. For Corn Pads. Allen Chemical Co. Inc. 45,827; June 18.
Seal of Acceptance and Approval. For Garments. Fur Guild Bureau of Standards, Incorporated. 45,845; June 18.
Semper Vigilans. For Hosiery. Wilson Mills, Inc. 45,866; June 18.
Simora Cosmetics. For Cosmetics. E. Simmons. 45,856; June 18.
Socko Insect Spray. For Insecticide. Robert C. White Company. 45,859; June 18.
Sol Wright's Blue Rose Rice. For Rice. S. L. Wright. 45,861; June 18.
Special Waldorf Lager. For Beer. Forest City Brewery, Inc. 45,839; June 18.
Stamp-Views. For Miniature Views in Poster Stamp Form. J. L. Bernstein. 45,831; June 18.
The Needlecraft Shop. For Patterns. M. B. Eastland. 45,838; June 18.
Thomson Vulta Covering Cement. For Cement. Thomson Machine Company. 45,857; June 18.
Thrift Steel-Heel Plates. For Steel Heel Plates. L. Weinstein. 45,858; June 18.
Virgin Wave Ingredients G V 57 Pyro Thy-Mene. For Permanent Wave Emulsions. S. Dank. 45,836; June 18.
Waldorf Samson Brau. For Beer. Forest City Brewery, Inc. 45,840; June 18.
Wild Tiger. For Leather Beltings for Machines. S. Schwartz. 45,855; June 18.

LIST OF PRINTS

Brandimist. For Soft Drinks. A. D. Lewis. 15,223; June 18.
For Feet's Sake, Pedal-Flex, Builds the Arch While You Walk. For Arch Supports. D. H. Plackard. 15,226; June 18.
For the Entire Family—Luxamin. For a Preparation for the Treatment of Nervousness, Constipation, Indigestion, Low Energy, Spring Fever, Poor Appetite, and Skin Troubles. Vita-Lux Products, Inc. 15,227; June 18.
Idolita—Hole in the Head—Don't Bite. Just Lite. For Cigars. Jose Escalante & Co. 15,220; June 18.
I'll Take a Chance Deep Sea Diving—But I Don't Want Another Blow-Out. (Ad. No. GBC-53.) For Rubber Tires. B. F. Goodrich Company. 15,221; June 18.
Keep the Fragrant Mouth of Youth. For a Preparation Used as a Mouthwash, an Astringent and a Deodorant. Lavoris Company. 15,222; June 18.
Markwell Nu-pin. For Staplers. Markwell Mfg. Co. 15,225; June 18.
Markwell Staplers. For Tackers, Fasteners, Staplers, Stitchers, and Staples. Markwell Mfg. Co. Inc. 15,224; June 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Albert, Minnie, Brooklyn, N. Y. Hearing device support. 19,609; June 18.
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
Brackelsberg, Augusta, administratrix. (See Brackelsberg, Carl.)
Brackelsberg, Carl, deceased, Milspe, by A. Brackelsberg, administratrix, Milspe, Germany, sole heir. Process and device for the production of iron alloys free from gases, especially oxygen. 19,610; June 18.
De Forest, Alfred V., Cambridge, Mass., assignor, by mesne assignments, to Magnaflux Corporation. Magnetic testing method and means. 19,611; June 18.
General Household Utilities Company. (See Wexelberg, Clarence, assignor.)
Hercules Powder Company. (See Koch, William, assignor.)
Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 19,612; June 18.
Magnaflux Corporation. (See de Forest, Alfred V., assignor.)
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Planetary type surfacing machine. 19,613; June 18.
National Machinery Company, The. (See Spire, William H., assignor.)
Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company, Telegraph communication system. 19,614; June 18.
Refrigerator cabinet. C. Wexelberg. 19,618; June 18.
Samel, Leo, Irvington, N. J. Liquid cooling apparatus. 19,615; June 18.
Spire, William H., Cleveland, assignor, by mesne assignments, to The National Machinery Company, Tiffin, Ohio. Method of and apparatus for forging upset articles. 19,616; June 18.
Van Dresser, Huntington, Memphis, Tenn., assignor to W. van Dresser, Lincolnton, N. C. Window guard. 19,617; June 18.
Van Dresser, William. (See van Dresser, Huntington, assignor.)
Wexelberg, Clarence, Detroit, Mich., assignor, by mesne assignments, to General Household Utilities Company, Chicago, Ill. Refrigerator cabinet. 19,618; June 18.

LIST OF DESIGN PATENTEES

American Fabrics Company, The. (See Juestrich, Max U., assignor.)
Bendix Aviation Corporation. (See Friez, Lucien L., assignor.)
Berinstein, Harry L., Elmira, N. Y. Hand mirror. 95,944; June 18.
Bigelow Sanford Carpet Co. (See Travis, John S., assignor.)
Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)
Boessneck, Frohmut O., New York, N. Y. Textile fabric. 95,945; June 18.
Botany Worsted Mills. (See Gaul, John F., Jr., assignor.)
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. 95,946; June 18.
Buchanan, Monty J., Seattle, Wash. Combination ash tray and saltcellar stand. 95,947; June 18.
Container Corporation of America. (See Holy, Mitchel E., assignor.)
De Long, Everett M., Cleveland, Ohio. Motor-cycle. 95,948; June 18.
Dunkelberger, Milton S., Dayton, Ohio. Ice-cube spoon. 95,949; June 18.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle. 95,950; June 18.
Florence Stove Company. (See Bradbury, William T., assignor.)
Friez, Lucien L., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Air-conditioning control device or similar article. 95,951; June 18.
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 95,952; June 18.
Goodkind, Lee, Woodmere, N. Y. Shoe. 95,953; June 18.
Gordon, Albert E., Boston, Mass. Shoe or article of analogous nature. 95,954; June 18.
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Heil, Norman E., Paterson, N. J. Display rack. 95,955; June 18.
Hickok Manufacturing Company. (See Sachs, Morris.)
Holy, Mitchel E., assignor to Container Corporation of America, Chicago, Ill. Christmas tree lighting unit carton. 95,956; June 18.
Holsum Products, Inc. (See Stevens, Clifford B., assignor.)
Hooven, Howard D., Jr., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 95,957; June 18.
Hooven, Howard D., Jr., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 95,958; June 18.
Hooven, Howard D., Jr., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 95,959; June 18.
Hooven, Howard D., Jr., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 95,960; June 18.
Horwitt, Nathan G., New York, N. Y. Radiocabinet. 95,961; June 18.
Jones, Don F., assignor to Motor Wheel Corporation, Lansing, Mich. Heater cabinet or the like. 95,962; June 18.
Joyce, William H., Jr., Pasadena, Calif. Sandal. 95,963; June 18.
Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. 95,964; June 18.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 95,965; June 18.
Kirschner, Jack, New York, N. Y. Ensemble dress. 95,966; June 18.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Ice tray. 95,967; June 18.
Lanz, Josef, Salzburg, Austria. Shoe. 95,968; June 18.
Lanz, Josef, Salzburg, Austria. Shoe. 95,969; June 18.
Laughery, Emma A., Chicago, Ill. Vending machine stand or similar article. 97,970; June 18.
LeClercq, Raymond, Glendale, assignor to Western Molded Products, Inc., Los Angeles, Calif. Battery box. 95,971; June 18.
Lindsay Ganley Company, The. (See Lindsay, Lynn G., assignor.)
Lindsay, Lynn G., Minneapolis, assignor to The Lindsay Ganley Company, Incorporated, St. Paul, Minn. Pump assembly. 95,972; June 18.
McCann, Clyde D., Des Moines, Iowa. Surface supported lighting fixture. 95,973; June 18.
McCann, Clyde D., Des Moines, Iowa. Surface supported lighting fixture. 95,974; June 18.
Miller, Walter C., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 95,975; June 18.
Miller, Walter C., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 95,976; June 18.
Moskowitz, Milton, Brooklyn, N. Y. Knitted fabric. 95,977; June 18.
Motor Wheel Corporation. (See Jones, Don F., assignor.)
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Neger, Sam, New York, N. Y. Hat. 95,978; June 18.
Northup, Amos E., Pleasant Ridge, assignor to The Murray Corporation of America, Detroit, Mich. Automobile body. 95,979; June 18.
Opler, Arnold, Riverside, Ill. Signal and code dial. 95,980; June 18.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 95,981; June 18.
Otto, Ferdinand P., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 95,982; June 18.
Pucilosk, Benjamin E., Cicero, Ill. Crucifixion cross or similar article. 95,983; June 18.

Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper shell. 95,984; June 18.

Quaker Lace Company Incorporated. (See Hooven, Howard D., Jr., assignor.)

Quaker Lace Company. (See Miller, Walter C., assignor.)

Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)

Rowles, Alonzo R., Washington, D. C. Badge. 95,985; June 18.

Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 95,986; June 18.

Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 95,987; June 18.

Sakier, George, assignor to Schenley Products Company, New York, N. Y. Bottle. 95,988; June 18.

Sakier, George, assignor to Schenley Products Company, New York, N. Y. Bottle. 95,989; June 18.

Schenley Products Company. (See Sakier, George, assignor.)

Schu, Matt, Chicago, Ill. Combined game apparatus and vending machine. 95,990; June 18.

Seigel, Paul M., Chicago, Ill., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 95,991; June 18.

Shaffer, Albert, Brooklyn, N. Y. Pencil sharpener. 95,992; June 18.

Stevens, Clifford B., assignor to Holsum Products, Inc., Milwaukee, Wis. Jar. 95,993; June 18.

Travis, John S., Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. 95,994; June 18.

Troxel Manufacturing Company, The. (See Faulhaber, Roland W., assignor.)

Turiansky, Abraham, New York, N. Y. Shoe. 95,995; June 18.

Turiansky, Abraham, New York, N. Y. Shoe. 95,996; June 18.

Valley Shoe Corporation. (See Seigel, Paul M., assignor.)

Western Molded Products, Inc. (See LeClercq, Raymond, assignor.)

Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)

Workman, Bernard, New York, N. Y. Hat. 95,997; June 18.

Zahn, Samuel, New York, N. Y. Ensemble dress. 95,998; June 18.

Zeitlin, Joseph, New York, N. Y. Candle light or similar article. 95,999; June 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1935

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Abadjieff, Ivan V., Auburn, assignor to Leland-Gifford Company, Worcester, Mass. Igniting device for oil burners. 2,005,065; June 18.

Abadjieff, Ivan V., Auburn, assignor to Leland-Gifford Company, Worcester, Mass. Oil supply apparatus for oil burners. 2,005,066; June 18.

Abel, Emil G. L., assignor to Brander Farbwerke Chemische Fabrik Gesellschaft mit Beschränkter Haftung, Brand-Erbisdorf, Germany. Production of silico fluorides. 2,005,488; June 18.

Abernethy, David, Philadelphia, Pa. Weatherstripping. 2,004,969; June 18.

Abrahamsen, Alfred, and J. E. Hansen, Lillesand, Norway. Manufacturing impregnated textile belting. 2,005,407; June 18.

Adams, James L., Jr., Youngstown, Ohio. Centrifugally-cast circular ingot. 2,005,175; June 18.

Adams, James L., Jr., Youngstown, Ohio. Method and apparatus for welding. 2,005,329; June 18.

Adler, Howard, and W. H. Woodstock, assignor to The Victor Chemical Works, Chicago Heights, Ill. Acid-containing package. 2,004,926; June 18.

Adler, Samuel. (See Dubitsky, S., Adler, Grieshaber, Dearcopp, and Wood.)

Air Reduction Company. (See Anderson, James L., assignor.)

Aisen, Maurice, Norwalk, Conn. Bleaching and stripping material and making same. 2,005,448; June 18.

Aktiebolaget Formator. (See von Segebaden, Ernst S. D., assignor.)

Albeck, Albert, assignor to Hauser & Co., G. m. b. H., Augsburg, Germany. Seal for axle boxes. 2,005,526; June 18.

Allin, Matthew C., Weston, assignor to Riley Engineering & Supply Co., Ltd., Toronto, Ontario, Canada. Fan inlet guard and manufacturing the same. 2,005,408; June 18.

Allis-Chalmers Manufacturing Company. (See Journeaux, Didier, assignor.)

Allmanna Svenska Elektriska Aktiebolaget. (See Eriksson, K. E., and Lamm, assignors.)

Alten, George H. (See Winland, Henry A., assignor.)

Alten's Foundry and Machine Works. (See Winland, Henry A., assignor.)

Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,005,527; June 18.

Alvey, William S., and J. M. Mikkelsen, Philadelphia, Pa. Gasoline vapor and air mixing device. 2,004,919; June 18.

American Brass Company, The. (See Kamack, Henry W., assignor.)

American Can Company. (See Holloway, William M., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Engineering Company. (See Preston, Herbert E., assignor.)

American Laundry Machinery Company, The. (See Mall, Edwin A., assignor.)

American Laundry Machinery Company, The. (See Otis, Charles M., assignor.)

American Laundry Machinery Company, The. (See Singiser, John P., assignor.)

American Lurgi Corporation. (See Debuch, C. P., and Markworth, assignors.)

American Meter Company. (See Diehl, John C., assignor.)

American Sheet and Tin Plate Company. (See Belding, Harvey R., assignor.)

American Sheet and Tin Plate Company. (See Goodhue, William L., assignor.)

American Sheet and Tin Plate Company. (See Lorig, Edwin T., assignor.)

American Sheet and Tin Plate Company. (See Peterson, Rolland E., assignor.)

American Sheet and Tin Plate Company. (See Tamplin, William C., assignor.)

American Sheet and Tin Plate Company. (See Whetzel, J. C., and Zimmerman, assignors.)

American Smelting and Refining Company. (See Fleming, E. P., and Palmer, assignors.)

American Steel and Wire Company of New Jersey. (See Beatty, C. C., and Lloyd, assignors.)

American Steel and Wire Company of New Jersey, The. (See Gleason, G. A., and Hayden, assignors.)

American Steel & Wire Company of New Jersey, The. (See Williams, Thomas D., assignor.)

American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)

American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)

Amo, Ivan J. (See Gutzwiller, Erwin C., assignor.)

Anacin Company. (See Hulbert, Edwin F., assignor.)

Anaconda Wire & Cable Company. (See Bassett, William H., assignor.)

Anchor Cap & Closure Corporation. (See Raney, Marion H., assignor.

Anderson, Bentil. (See Skoogh, Harry L., assignor.)

Anderson, Fred A., Oakland, Calif. Signal apparatus. 2,005,214; June 18.

Anderson, Gustaf E., Brockton, Mass. Automatic feed control for folding and other machines. 2,005,124; June 18.

Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding burner. 2,005,308; June 18.

Anderson, John P. (See Schmohl, A. C., and Anderson).

Anbuckle, John Le B., Columbus, Ohio. Camper's tool. 2,005,176; June 18.

Armenault, René. (See Malet, J., and Armenault.)

Armenault, René, Paris, assignor of one-half to Fabriques de Products de Chimie Organique de Laire, Societe Anonyme, Issy, France. Manufacture of urea-formaldehyde condensation products and artificial material therefrom. 2,004,970; June 18.

Armistead, George, Jr., Lockport, Ill., and W. Ulrich, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Manufacture of motor fuel from sludge oil. 2,005,309; June 18.

Armstrong, Walter R. (See Mayo, Franklin, assignor.)

Arness, William B., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md. Producing alloys. 2,005,409; June 18.

Arrowsmith, William W., All Saints, Chorlton-on-Medlock, England. Baking pan. 2,005,449; June 18.

Ashbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, England. Internal grinding machine. 2,005,331; June 18.

Ashbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, England. Internal grinding machine. 2,005,332; June 18.

Asserson, Raymond. (See Farnham, P. O., and Asserson.)

Atlantic Register Company. (See Pierce, Arthur G., assignor).

Atlas Powder Company. (See Huyett, Daniel D., assignor.)

Atlas Supply Company. (See Heyer, Benjamin F. W., assignor.)

Aupperl, George H., Leechburg, assignor to Hyde Park Foundry and Machine Company, Hyde Park, Pa. Roll and making the same. 2,005,358; June 18.

Bacon, Daniel R., and L. H. Downs, Goshen, assignors to Perey Manufacturing Company, New York, N. Y. Turnstile. 2,004,971; June 18.

Bagnoli, Oreste J., Woodcliff, N. J., T. C. Wilson, Brooklyn, and J. H. Young, assignors to T. C. Wilson, Incorporated, New York, N. Y. Tube cleaner. 2,005,359; June 18.

Ballew, Elmer L., et al. (See Flukes, Andrew, assignor.)

Balz, Emil A., Athens, Wis. Fruit jar opener and tightener. 2,005,410; June 18.

Bannister, Bryant, Mount Lebanon, Pa. Apparatus for sinking tubular work pieces. 2,005,125; June 18.

Bargar, Edgar. (See Sucky, R. R., McGonigal, and Bargar.)

Bark, William, J. H. Schmidt, and J. V. Mazurie, Gary, Ind., assignors to National Tube Company. Apparatus for rolling pipe. 2,005,310; June 18.

Barrett Company, The. (See Dickson, John V. E., assignor.)

Barrett Company, The. (See Miller, Stuart P., assignor.)

Barrett, William, Hinton, Iowa. Animal trap. 2,005,489; June 18.

Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)

Basseches, Jacob T. (See Jaffin, G. M., and Basseches.)

Bassett, William H., Jr., Scarsdale, assignor to Anaconda Wire & Cable Company, New York, N. Y. Hollow conductor. 2,004,972. June 18.

Batie, Joseph E., assignor, by mesne assignments, to The Kelsey Hayes Wheel Company, Detroit, Mich. Forming an annulus and apparatus therefor. 2,005,215; June 18.

Batsel, Max C., Yonkers, N. Y., assignor to Radio Corporation of America. Sound reproducing apparatus. 2,005,068; June 18.

Baxter, Burke M., assignor to The Crystal Waxing Company, Middletown, Ohio. Dispensing packages and container therefor. 2,005,490; June 18.

Beatty, Claire C., and E. J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Aerial tramway. 2,005,126; June 18.

Beaverson, George, Minneapolis, Minn. Multiple line holder. 2,005,491; June 18.

Becker, Peter, Dusseldorf-Wersten, Germany, assignor to United States Envelope Company, Springfield, Mass. Apparatus for conveying envelope blanks. 2,005,492; June 18.

Behr, Harry C. A. (See Westgate, R. S., and Behr.)

Behrman, Abraham S., assignor to A. S. Behrman, trustee of Porous Rubber Products Trust, Chicago, Ill. Porous separator. 2,004,973; June 18.

Behrman, A. S., trustee. (See Behrman, Abraham S., assignor.)

Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)

Belden, Edward H., Detroit, Mich. Rotary compressor. 2,004,920; June 18.

Belding, Harvey R., Vandergrift, Pa., assignor to American Sheet and Tin Plate Company. Stopper rod for ladles. 2,005,311 June 18.

Belgard-Spero, Inc. (See Braucht, Frederick A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., and Smith, assignors.)

Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Martin, John J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Meszar, John, assignor.)

Benko, Andrew. (See Spitzer, B. L., and Benko.)

Bennett, Herbert G. R., Duquesne, Pa. Metal processing machine. 2,005,127 June 18.

Berchulc, John A., Detroit, Mich. Handle attachment for liquid or powder-containing cans. 2,005,528; June 18.

Bernier, Napoleon M., Cambridge, Mass. Acoustical plaster or tile and making the same. 2,005,060; June 18.

Berthold, Erich. (See Kuns, M. A., Berthold, and Koeberle.)

Bertram, Henry J., Kansas City, Mo. Rheostat. 2,005,516; June 18.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Actuating mechanism. 2005,019; June 18.

Bishop & Babcock Mfg. Company, The. (See Mayo, Edward L., assignor.)

Bishop, Eva P., executrix et al. (See Wuertz, A. J., and Bishop.)

Bishop, Oakley M. (See Wuertz, A. J., and Bishop.)

Bishop, Oakley M., and A. J. Wuertz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone derivative. 2,005,529; June 18.

Bitzer, Gottlob, Assignor to Textile Machine Works, Wyomissing Pa. Lace attachment for full fashioned knitting machines. 2,005,070; June 18.

Blackwell, Evaline, Los Angeles, Calif. Greeting card. 2,005,493; June 18.

Blodgett, Albert G., assignor to Riley Stoker Corporation, Worcester, Mass. Fuel burning apparatus. 2,005,644; June 18.

Bloom, Marty, et al. (See Flukes, Andrew, assignor.)

Blue, Joseph N., Big Spring, Tex. Box and bearing for railway vehicles. 2,004,921; June 18.

Bobroff, Burnett L., Racine, Wis. Signaling device. 2,005,714 June 18.

Bodman, John W., Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Refining a soap base. 2,005,333 June 18.

Boggs, Charles R., Waban, assignor to Simplex Wire & Cable Company, Boston, Mass. High tension rubber insulated cable. 2,005,360; June 18.

Bond, Harlan A., Metuchen, and L. B. Smith, Woodbridge, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company. Oxidizing aliphatic alcohols to aldehydes. 2,005,645; June 18.

Bonnie, Joseph. (See Rick, E., and Bonnie.)

Booharin, Leo Y., San Francisco, Calif., assignor of one-third to W. H. Lea and one-third to B. Werner. Breathing mask. 2,005,072; June 18.

Booss, Frederick E. E., Lancaster, assignor to Gould Storage Battery Corporation, Depew, N. Y. Specific gravity indicator. 2,005,671; June 18.

Bordener, John, Detroit, Mich. Combination bottle opener. 2,004,974 June 18.

Bossert, Fritz, Mannheim, Germany. Bookkeeping machine. 2,005,020; June 18.

Bourdon, Pierre M., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Twin tire construction for vehicles. 2,004,922; June 18.

Bourdon, Pierre M., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Coupling for bogie axles. 2,005,607 June 18.

Bower, Henry, Chemical Manufacturing Company. (See Grove, Samuel F., assignor.)

Bower, Raymond G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper feeding mechanism. 2,005,450; June 18.

Bowes, George S., Cleveland, Ohio. Valve. 2,005,128; June 18.

Bowles, Arthur G., Oakland, Calif. Cylinder press motion. 2,005,216 June 18.

Bowne, Lanford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,005,575; June 18.

Boyd, Robert C., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Shower bath spray head. 2,005,073; June 18.

Boyer, George D. (See Stanitz, J., and Boyer.)

Boykow, Johann M., Berlin-Lichterfelde-West, Germany. Automatic control device for aircraft. 2,005,530; June 18.

Bradford, James L. (See Gowen, R. F., and Bradford.)

Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burning apparatus. 2,005,252; June 18.

Brander Farbwerke Chemische Fabrik Gesellschaft mit beschränkter Haftung. (See Abel, Emil G. L., assignor.)

Brandstein, Samuel J., Brooklyn, N. Y. Adjustable protective transparent lampshade cover. 2,005,531; June 18.

Brasch, Arno, and F. Lange, Berlin, Germany. Vacuum tube. 2,005,021; June 18.

Braucht, Frederick A., Chicago, Ill., assignor to Belgard-Spero, Inc. Mounting lenses. 2,004,923; June 18.

Brauer, Arthur J. (See Wagner, Frederick P., assignor.)

Braun, August J., Chicago, Ill. Toaster. 2,005,253; June 18.

Breda-Visadia Limited. (See Sagar, H., VanWeyenbergh, and Jones, assignors.)

Brennels Manufacturing Company Inc. (See Furrer, Samuel S., assignor.)

Bresnahan, William H., Lynn, Mass., assignor, by mesne assignments, to Compo Shoe Machinery Corporation, New York, N. Y. Apparatus for use in making footwear. 2,005,608; June 18.

Bridgeport Brass Company. (See McIlvane, William J., assignor.)

Brockton Last Company. (See Moorhouse, Henry L., assignor.)

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Selenazoles and preparing them. 2,005,411; June 18.

Brown Company. (See Schur, Milton O., assignor.)

Brown, Milton L. and S., Mobile, Ala. Permanent marker for cotton bales. 2,004,924; June 18.

Brown, Samuel. (See Brown, Milton L. and S.)

Brown, Thomas C., San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,005,074; June 18.

Browne, Ralph C., Salem, Mass. High voltage electrical machine. 2,005,451; June 18.

Brumm, George O., Worcester, Mass. Oil burner. 2,005,532; June 18.

Brumund Bros. & Hufker Foundry, Incorporated. (See Brumund, Elmer G., assignor.)

Brumund, Elmer G., assignor to Brumund Bros. & Hufker Foundry, Incorporated, Chicago, Ill. Marker. 2,005,217; June 18.

Brunner, Walter. (See Krauss, C., and Brunner.)

Brunzel, Norbert, Vitkovice-Zelezarny, Czechoslovakia. Boiler plant. 2,005,646; June 18.

Buehner, Wm. F. A., et al. (See Matteson, Edward C., assignor.)

Buehner, William F. A. (See Endlich, Karl, assignor.)

Buhl, Oscar, and H. V. Jacobus, Belleville, N. J. Bathtub safety grip. 2,005,576; June 18.

Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Method and apparatus for ventilating buildings. 2,004,927; June 18.

Bull, William F., Brooklyn, N. Y. Indicating device. 2,005,452; June 18.

Burns, Bruce, assignor, by mesne assignments, to Hughes Industries Co., Ltd., Los Angeles, Calif. Film take-up mechanism. 2,005,254; June 18.

Burriss, Oliver G., assignor of forty one-hundredths to E. P. Vandiver and forty one hundredths to J. C. Taylor, Anderson, S. C. Metallic sheet roofing. 2,005,218. June 18.

Burriss, Oliver G., assignor of forty one-hundredths to E. P. Vandiver and forty one-hundredths to J. C. Taylor, Anderson, S. C. Metallic sheet roofing. 2,005,219 June 18.

Burriss, Oliver G., assignor of forty one-hundredths to E. P. Vandiver and forty one hundredths to J. C. Taylor, Anderson, S. C. Metallic sheet roofing. 2,005,220. June 18.

Burroughs Adding Machine Company. (See Bower, Raymond G., assignor.)

Butler Manufacturing Company. (See Nelson, J., and Norquist, assignors.)

Butler Manufacturing Company. (See Norquist, Victor C., assignor.)

Cabot Carbon Company. (See Damon, Edward H., assignor.)

Campbell, Sterling H. and F. H. Pletzsch, assignors to Western Railway Equipment Company, St. Louis, Mo. Brake beam safety support. 2,004,975; June 18.

Canadian International Paper Company. (See Jayne, Georg, assignor.)

Caputo, James V., Crafton, Pa. Dynamo-electric machine. 2,005,609; June 18.

Carborundum Company, The. (See Newcomb, Edward R., assignor.)

Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Shoe press pad. 2,005,177; June 18.

Card, William C., Jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Sole affixing machine. 2,005,610; June 18.

Cardinal Products, Inc. (See Schmitt, George P., assignor.)

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Carleton, Robert A., Brooklyn, assignor to National Electric Heating Company, Inc., New York, N. Y. Electric fluid heater. 2,004,976; June 18.

Carnegie Steel Company. (See Hill, William W., assignor.)

Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 2,005,178; June 18.

Carrillo, Leopoldo A., Big Wells, Tex. Machine gun. 2,004,925; June 18.

Carroll, James H., Atlanta, Ga. Self-service store with revolubile shelves. 2,005,280; June 18.

Carson, William W., Jr., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Dry ice refrigerating system. 2,005,611; June 18.

Caruthers, Abe, Jr., Nashville, Tenn. Safety device for andirons. 2,005,695; June 18.

Casper, Ervin J., San Francisco, Calif. Adjustable suspension device. 2,005,334; June 18.

Caterpillar Tractor Co. (See Wickersham, Elmer E., assignor.)

Cat's Paw Rubber Company. (See Esterson, Albert A., assignor.)

Celanese Corporation of America. (See Ellis, G. H., and Olpiuk, assignors.)

Celanese Corporation of America. (See Pool, William, assignor.)

Centervall, Hugo A., assignor to Manly Corporation, New York, N. Y. Control mechanism for hydraulic power systems. 2,004,928; June 18.

Centervall, Hugo A., assignor to Manly Corporation, New York, N. Y. Control means for varying the relative speeds of members driven through a common differential mechanism. 2,004,929; June 18.

Chadwick, Robert A., Jr., Milwaukee, Wis. Card index. 2,005,453; June 18.

Chaffee, Raymond O., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Self-tapping screw. 2,005,672; June 18.

Chamberlin, Frank B., Columbus, Ohio. Fountain pen. 2,005,179; June 18.

Chapman, Paul, New York, N. Y. Roof construction. 2,005,533; June 18.

Chase, Raymond H., Providence, assignor to W. W. Potter, Pawtucket, R. I. Apparatus for splicing yarns. 2,005,129; June 18.

Chemical Works Formerly Sandoz. (See Stoll, A., and Wiedemann, assignor.)

Chesney, Robert M. (See Marsh, H., and Chesney.)

Chester, Alden P., and D. H. Hill, assignor to Globe American Corporation, Kokomo, Ind. Oven control. 2,004,977; June 18.

Chicago Flexible Shaft Company. (See McArdle, Michael W., assignor.)

Chilcote, Ray A., assignor of one half to McLaughlin Glass Co., Los Angeles, Calif. Glass feeder. 2,005,494; June 18

Childers, Charles T., Galesburg, Ill. Washing machine. 2,005,287. June 18.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle. 2,005,312; June 18.

Churchill Machine Tool Company Limited, The. (See Asbridge, Harry H., assignor.)

Cinch Manufacturing Corporation. (See Pool, Esson J., assignor.)

Clark, William A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 2,005,454; June 18.

Clark, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,005,455; June 18.

Clausen, Henry P., White Plains, N. Y. Magnifying attachment for slide rules. 2,005,362; June 18.

Cleaners Appliance Company. (See Schlesinger, Harry, assignor.)

Clough, Raymon W., Cranston, R. I. Shingle. 2,005,335; June 18.

Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Bolt making machine. 2,005,495; June 18.

Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)

Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth finishing. 2,005,517; June 18.

Coates, Fielding C., assignor to Mole-Richardson, Inc., Los Angeles, Calif. Voltage regulator. 2,005,363; June 18.

Cohen, Samuel H., Boston, and J. Wasserman, Cambridge, Mass. Multi-ply flashing structure. 2,005,221; June 18.

Colby, Clyde W., East Cleveland, Ohio. Sill heater cabinet construction. 2,005,313; June 18.

Coleman, James D. (See Staud, C. J., and Coleman.)

Collison, Edward E. (See Kirk, C. R., and Collison.)

Colman, Howard D. (See Greenlee, Theodore K., assignor.

Columbian Carbon Company. (See Glaxner, Herman J., assignor.)

Communication Patents, Inc. (See Marks, Alvin M., assignor.)

Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)

Compo Shoe Machinery Corporation. (See Bresnahan, William H., assignor.)

Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)

Compo Shoe Machinery Corporation. (See Franzen, E. T., and Weiss, assignors.)

Compo Shoe Machinery Corporation. (See Habicht, Otto, assignor.)

Conley, Hugh A., Lynwood, assignor to Conley Plastering Machine Company, Inc., Compton, Calif. Apparatus for applying protective coatings. 2,004,978; June 18.

Conley Plastering Machine Company. (See Conley, Hugh A., assignor.)

Connolly, Gerald C., and J. A. Pierce, assignors, by mesne assignments, to C. F. Hockley, receiver for Silica-Gel Corporation, Baltimore, Md. Platinum contact mass containing promoter and making same. 2,005,412; June 18.

Connor, John H., Newton, assignor to The Tanning Process Company, Boston, Mass. Removing liquids from hides, skins, and leather. 2,004,930; June 18.

Continental Can Company. (See Sedwick, Matthew M., assignor.)

Continental Equipment Company. (See Phillips, I. M., and Kalinsey, assignors.)

Cool, David E., St. Louis, Mo. Attaching heels to shoes. 2,004,979; June 18.

Cooling Tower Co. Inc., The. (See Tappen, Alexander B., assignor.)

Cooper, William H., Buffalo, N. Y. Permanent hair waving device. 2,005,288; June 18.

Cornwell, Arthur L., Wellsville, N. Y. Wheel puller. 2,005,534; June 18.

Coulston, Melvin H., Washington, D. C. Book structure and binder for leaves. 2,005,717; June 18.

Creager, Frederick L., Merchantville, N. J., assignor to Radio Corporation of America. Variable resistance device. 2,005,456; June 18.

Crilley, William W., Cleveland, Ohio. Header slide. 2,005,222; June 18.

Crouch, Richard H., Pulaski, Va. Dovetail attachment for dovetail machines. 2,005,647; June 18.

Cronin, James A., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Tank cleaning device. 2,005,180 June 18.

Crown Stove Works. (See Rogers, John C., assignor.)

Crumb, Charles F. (See Roscoe, M. W., and Crumb.)

Crystal Waxing Company, The. (See Baxter, Burke M., assignor.)

Cunningham, Katherine E., assignor to I. Newman & Sons, Inc., New Haven, Conn. Foundation garment. 2,005,612; June 18.

Daimler-Benz Aktiengesellschaft. (See Schildknecht, Heinrich, assignor.)

Dalton, John W., Wimbledon, London, England. Electrical circuit and apparatus. 2,005,130; June 18.

Damon, Edward H., Skellytown, assignor, by mesne assignments, to Cabot Carbon Company, Pampa, Tex. Improving carbon black. 2,005,022; June 18.

Daudt, Herbert W., and E. L. Mattison, assignors to Kinetic Chemicals, Incorporated, Wilmington, Del. Fluorination of carbon compounds. 2,004,931; June 18.

Daudt, Herbert W., M. A. Youker, and H. LaB. Jones, assignors, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del. Production of fluorine compounds. 2,004,932; June 18.

Daudt, Herbert W., and M. A. Youker, assignors, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del. Preparation of carbon compounds containing fluorine. 2,005,705; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemicals Inc., Wilmington, Del. Organic fluorine compounds. 2,005,706; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemical Inc., Wilmington, Del. Production of organic fluorine compounds. 2,005,707; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Production of halogenated ethane derivatives containing fluorine. 2,005,708; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Production of organic fluorine compounds. 2,005,709; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Preparation of fluorine compounds. 2,005,710; June 18.

Daudt, Herbert W., and M. A. Youker, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Preparation of organic fluorine compounds. 2,005,711; June 18.

Davis, George and J. H., Dallas, Tex. Hose coupling. 2,005,631; June 18.

Davis, Jack H. (See Davis, George and J. H.)

Davis, Walter F., Nassau County, assignor to Fairchild Aviation Corporation, New York, N. Y. Engine cooling device. 2,005,336; June 18.

Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Bathroom unit. 2,004,933; June 18.

Dawson, Sidney, assignor to E. L. Stalle, Chicago, Ill., administratrix of the estate of A. P. Stalle, deceased. Automatic circular oven. 2,005,023; June 18.

Dayton Accessories Manufacturing Company, The. (See Smelker, Le Roy, assignor.)

Dearcopp, Charles. (See Dubitsky, S., Adler, Grieshaber, Dearcopp, and Wood.)

Debuch, Carl P., and E. Markworth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Process of and apparatus for the heat treatment of substances in rotary tube furnaces. 2,005,648; June 18.

DeLaval Separator Company, The. (See Lindgren, Hans O., assignor.)

Delaware Chemical Engineering Company. (See Kasley, Alexander T., assignor.)

Dellert, Louis, Brooklyn, N. Y. Chair. 2,004,934; June 18.

DeLuce, Robert E., assignor to Star Box & Printing Co., Chattanooga, Tenn. Folding box. 2,005,131; June 18.

DeLuce, Robert E., assignor to Star Box & Printing Co., Chattanooga, Tenn. Gluing machine. 2,005,132; June 18.

DeLuxe Metal Furniture Company. (See Onlons, H. J., and Sandberg, assignors.)

Dennison, Brook J., Tarentum, assignor to Duplate Corporation, Allegheny County, Pa. Laminated glass and making the same. 2,005,075; June 18.

Dennison, Frank G., Newton, Mass. Hobbyhorse. 2,005,181; June 18.

De Oslund, Herbert, Minneapolis, Minn. Letter outlining templet. 2,005,255; June 18.

Derringer, Percy O., assignor to Knapp-Monarch Company, Belleville, Ill. Toaster construction. 2,005,361; June 18.

Detroit Dental Manufacturing Co. (See La Riche, Authony M., assignor.)

De Wasme, Joseph A., Chicago, Ill. Planting implement. 2,005,518; June 18.

Dewey, Haywood G. (See Jones, J. G., and Dewey.)

De Witt, Leo V. (See Wood, S. K., Eales, and De Witt.)

Dexter Folder Company. (See Ehlig, Harry, assignor.)

Dick, Barns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure mechanism. 2,004,986; June 18.

Dickson, John, Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Auxiliary air arrangement for Diesel locomotives 2,005,536; June 18.

Dickson, John V. E., Yonkers, assignor to The Barrett Company, New York, N. Y. Coal tar oil and pitch. 2,005,577; June 18.

Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Gas meter. 2,005,024; June 18.

Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Tangent. 2,005,025; June 18.

Di Giarinto, Rosario, Toughkenamon, Pa. Mushroom spawn. 2,005,365; June 18.

Dixon, Harold C., Chicago, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Railway brake beam support. 2,005,076; June 18.

Dobbs, Ernestine H. (See Rollins, G. DeW., and Dobbs.)

Dodgem Corporation. (See Stoehrer, H., and Markey, assignors.)

Doll, Emil, West New York, N. J. Toothbrush. 2,005,337; June 18.

Donovan, John F., and G. Illingworth, East Cleveland, Ohio, assignors to General Electric Company. Apparatus for feeding fragile rods, tubes, and similar articles. 2,005,496; June 18.

Dorn, René and M. Willis, New Orleans, La. Cementitious sheet. 2,004,935; June 18.

Dorn, René and M. Willis, New Orleans, La. Apparatus for the manufacture of cementitious sheets. 2,004,936; June 18.

Douglas, Harry A., Bronson, Mich. Aeroplane. 2,005,078; June 18.

Dowd, Archie J., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for positioning liners. 2,005,577; June 18.

Downs, Leon H. (See Bacon, D. R., and Downs.)

Dr. Bein & Kaulen Chemische Fabrik G. m. b. H. (See Thimann, Max, assignor.)

Dragoo, Thomas J., Jr., Spofford, Texas. Buck mask. 2,005,649; June 18.

Draper Corporation. (See Snow, Isaac, assignor.)

Dreyer, Adolf, Potsdam, and W. Kutzner, Potsdam; said Kutzner assignor to F. Kutzner, Halensee, near Berlin, Germany. Apparatus for treating binding materials in the form of powder or grit, to produce dextrine and other adhesives of vegetable origin, as well as for treating other materials. 2,005,537; June 18.

Dreyfus, Henry, London, England. Manufacture of cellulose esters. 2,005,223; June 18.

Driver-Harris Company. (See Hunter, Matthew A., assignor.)

Driver-Harris Company. (See Lohr, James M., assignor.)

Drysdale, William D., Buffalo, N. Y., assignor to Walter J. Bugden, Boston, Mass. Compressing machine. 2,005,578; June 18.

Duarte, John T., Honolulu, Hawaii. Theft resisting hub cap and wheel lock. 2,005,535; June 18.

Dubitsky, Simon, Glendale, Long Island, S. Adler, Bronx, E. Grieshaber, C. Dearcopp, Glendale, Long Island, and R. Wood, South Ozone Park, N. Y. Doorcheck. 2,005,457; June 18.

Du Bois, Ernest, Itterbeek, Chateau de Pierrefonds, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa. Apparatus for automatically controlling discharge of fluids under pressure into a pressure chamber. 2,005,650; June 18.

Dudley, Wray, Mount Lebanon Borough, Pa., assignor to National Tube Company. Electrically welding pipe. 2,005,579; June 18.

Dunham, Aubra R. (See Dunham, Clayton A., and A. R.)

Dunham, C. A., Company. (See Dwyer, Lawrence P., assignor.)

Dunham, Clayton A. and A. R., Glencoe, Ill., assignor to Experimental Laboratories Incorporated, Chicago, Ill. Heating apparatus. 2,005,224; June 18.

Dunlap, DeClermont, Newark, N. J. Monorail switch. 2,005,133; June 18.

Duplate Corporation. (See Dennison, Brook, J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Wuertz, assignors.)

Du Pont, E. I., de Nemours and Company. (See Rond, H. A., and Smith, assignors.)

Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)

Du Pont, E. I., de Nemours & Company. (See Graves, George De W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Spiegler, L., and Lee, assignors.)

Du Pont, E. I., de Nemours & Company. (See Strouse, George C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Bishop, assignors.)

Dwyer, Lawrence P., Winnetka, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Concealed radiator. 2,005,226; June 18.

Dyess, Earl J., Longview, Tex. Switch structure 2,005,413; June 18.

Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 2,005,414; June 18.

Eames, George M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,005,673; June 18.

Eastman Kodak Company. (See Brooker, L. G. S., and White, assignors.)

Eastman Kodak Company. (See Fuerst, Carl C., assignor.)

Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)

Eastman Kodak Company. (See Hull, David C., assignor.)

Eastman Kodak Company. (See Hughey, Carter J., assignor.)

Eastman Kodak Company. (See Jones, J. G., and Dewey, assignors.)

Eastman Kodak Company. (See McDougal, Homer R., assignor.)

Eastman Kodak Company. (See Murray, T. F., and Staud, assignors.)

Eastman Kodak Company. (See Riddell, William A., assignor.)

Eastman Kodak Company. (See Staud, C. J., and Coleman, assignors.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eales, Ben L. (See Wood, S. K., Eales, and De Witt.)

Ebert, Edward A. (See Gary, E. R., and Ebert.)

Ebner, Henry M., Cameron, Wis. Folding berry box 2,005,415; June 18.

Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)

Eclipse Aviation Corporation. (See Marcus, Charles, assignor.)

Economic Machinery Company. (See Holm, Carl, assignor.)

Edison General Electric Appliance Company. (See Randolph, Charles P., assignor.)

Edison, Thomas A., Incorporated. (See Brown, Thomas C., assignor.)

Ehlig, Harry, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeder. 2,005,079; June 18.

Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Spot welding refractory metals. 2,005,256; June 18.

Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufmann, Ltd., San Francisco, Calif. Vacuum tube grid. 2,005,257; June 18.

Electric and Musical Industries Limited. (See Tedham, William F., assignor.)

Electric Trading Corporation. (See Fletcher, John, assignor.)

"Elin" Aktiengesellschaft fürelektrisch Industrie. (See Geyer, Franz, assignor.)

Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of pattern effects on textile and other materials. 2,005,182; June 18.

Ellsworth, Charles K., Detroit, Mich. Package for bottles. 2,005,026; June 18.

Ellsworth, Charles K., Toledo, Ohio. Box construction 2,005,027; June 18.

Ellsworth, Edgar, McLoud, Okla. Veterinary instrument. 2,005,289; June 18.

Emery, I. C., Baltimore, Md., assignor to The Lock Nut Corporation of America, Chicago, Ill. Making lock nuts 2,005,651; June 18.

Emley, Jay N., Forest Hills, assignor to National Process Company, Inc., New York, N. Y. Support for flexible posters. 2,005,134; June 18.

Emmens, Hendrik. (See van Geel, W. C., and Emmens.)

Endlich, Karl, assignor of one-half to W. F. A. Buehner, Miami, Fla. Automobile license plate holder. 2,005,703; June 18.

Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxy-phenyl-imidazoles. 2,005,538; June 18.

Ensko, Robert, Freeport, assignor to Seeman Brothers, Inc., New York, N. Y. Container and its cover. 2,005,314; June 18.

Erlesson Telephones Limited. (See Limb, Frederick, assignor.)

Erie City Iron Works. (See Kaemmerling, Gustav H., assignor.)

Eriksson, Karl E., and U. Lamm, Ludvika, assignors to Allmanna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Ion valve for producing alternating currents. 2,005,458; June 18.

Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Carton for rubber heels and the like. 2,005,135; June 18.

Evans, Robert D. Swissvale, and W. A. Lewis, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relaying system with directional indication storage. 2,005,136; June 18.

Everett, Silas, Atlantic Beach, Long Island, N. Y. Yarn. 2,005,539; June 18.

Experimental Laboratories Incorporated. (See Dunham, Clayton A. and A. R., assignors.)

Eynon, James H., Bath, N. Y. Lubricating connections between connecting rod, piston, and crankshaft. 2,005,028; June 18.

F. & N. Lawn Mower Company, The. (See Lontz, Harry R., assignor.)

Fabriques de Produits de Chimie Organique de Laire, Societe Anonyme. (See Armenault, René, assignor.)

Fabriques de Produits de Chimie Organique de Laire, Societe Anonyme. (See Malet, J., and Armenault, assignors.)

Fafnir Bearing Company, The. (See Smith, John W., assignor.)

Fairbanks, Morse & Co. (See Petersen, E. W., and Singer, assignors.)

Fairbanks, Morse & Company. (See Rix, Milton H., assignor.)

Fairchild Aerial Camera Corporation. (See Gaty, John P., assignor.)

Fairchild Aviation Corporation. (See Davis, Walter F., assignor.)

Falk, Morris, Fitchburg, Mass. Key blank. 2,005,497; June 18.

Farnham, Paul O., and Raymond Asserson, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audion amplifier. 2,005,080; June 18.

Fashion Park Manufacturing Corporation. (See Shaw, Burt J., assignor.)

Fassbender, Josef, assignor to Land und Seekabelwerke A. G., Cologne-Nippes, Germany. Rubber insulated cable. 2,005,614; June 18.

Faulkner, David S. Los Angeles, A. E. Rice, Hermosa Beach, and Lewis E. Zerbe, Moneta, Calif., assignors, by mesne assignments, to The National-Superior Company, Toledo, Ohio. Rotary machine. 2,005,137; June 18.

Fausett, Floyd, assignor to Supreme Instruments Corporation, Greenwood, Miss. Electric metering device. 2,005,138; June 18.

Federal Foundation, Inc. (See Whitlock, R. G., and Sharp, assignors.)

Fer-O-Con Corporation. (See Kotrbaty, Guy F., assignor.)

Ferre, Albert W., Wellesley, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Drying apparatus. 2,005,580; June 18.

Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Ventilating means. 2,005,615; June 18.

Ferrous Magnetic Corporation. (See Specht, Sigfrid, assignor.)

Fidelity Trust Company, The, Administrator. (See Johansen, T., and Jones.)

Field, Ethel A., New York, N. Y. Dispenser. 2,005,029; June 18.

Filastic Holding S. A. (See Schildrowitz, Philip, assignor.)

Filer & Stowell Company, The. (See Pelton, George M., assignor.)

Finn, Ida L., Racine, Wis. Strainer for sinks. 2,005,459; June 18.

Firestone, John R., Brooklyn, N. Y., assignor to John F. Meyer, Chicago, Ill. Game apparatus. 2,004,981; June 18.

Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)

Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Combined expansion and contraction joint. 2,005,139; June 18.

Fischoff, Eugene, South Bend, Ind. Table seat. 2,005,652; June 18.

Fisher, Henry A., and J. P. Lindsay, Parkersburg, W. Va. Method and apparatus for making glass articles. 2,005,519; June 18.

Fisher, John H., Elyria, Ohio. Coal shovel. 2,005,416; June 18.

Fleming, Edward P., Salt Lake City, Utah, and S. L. Palmer, San Francisco, Calif., assignors to American Smelting and Refining Company, New York, N. Y. Treating molten metal. 2,005,540; June 18.

Flemming, Walter, and W. Speer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic oxidation of ketones. 2,005,183; June 18.

Fletcher, John, assignor to Electric Trading Corporation, New York, N. Y. Portable electric cooker. 2,004,937; June 18.

Flukes, Andrew, assignor of one-third to E. L. Ballew and one-third to M. Bloom, Chicago, Ill. Refrigeration. 2,005,258; June 18.

Forrest, Thomas W. W., Fresno, Calif., assignor to Sun-Maid Raisin Growers of California. Fruit coating method. 2,005,184; June 18.

Foster Wheeler Corporation. (See Lichstenetsin, Joseph, assignor.)

Franklin, John L., Atlanta, Ga. Time controlled mechanism. 2,005,653; June 18.

Franze, Johannes, Liestal, near Basel, Switzerland. Fastener with sliding attachment for garments, bags, and the like. 2,005,116; June 18.

Franzen, Eric T., Maplewood, and A. J. Weiss, West Orange, N. J., assignors to Compo Shoe Machinery Corporation, New York, N. Y. Sole-affixing machine. 2,005,616; June 18.

French, Charles A., Riverside, Ill. Fuel vaporizer and burner. 2,005,541; June 18.

Freydberg Brothers, Inc. (See Lasztoczy, Stephen, assignor.)

Fried, Jacob, New York, N. Y. Safety bathing suit. 2,005,460; June 18.

Friedmann, Otto, Vienna, Austria. Cleaning attachment for combs. 2,005,520; June 18.

Friesel, David, U. S. Army, Washington, D. C. Typewriter attachment. 2,004,938; June 18.

Fritsche, Rudolf, New York, N. Y. Lithographic plate graining device. 2,005,654; June 18.

Frost, Frank R., assignor to Superior Steel Corporation, Pittsburgh, Pa. Making composite ingots. 2,005,338; June 18.

Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Milton Loewe, New York, N. Y. Covers for seat side arms. 2,004,982; June 18.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Air vent for camera bellows. 2,005,417; June 18.

Fulton Sylphon Company, The. (See Carson William W., Jr., assignor.)

Furrer, Samuel S., assignor to Brenneis Manufacturing Company Inc., Oxnard, Calif. Disk harrow with right and left turning mechanism. 2,005,225; June 18.

Fussenegger, Adolph J., Louisville, Ky. Garment hanger. 2,005,290; June 18.

G & G Atlas Systems, Inc. (See Scanlan, Joseph M., assignor.)

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Typewriting machine. 2,005,185; June 18.

Gary, Edwin B., and E. A. Ebert, Buffalo, Combination windshield wiper and heater. 2,005,581; June 18.

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Mechanism for narrowing flat knit full fashioned hosiery. 2,005,461; June 18.

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Mounting means for needles and the like. 2,005,674; June 18.

Gaty, John P., Woodside, N. Y., assignor to Fairchild Aerial Camera Corporation. Machine gun camera. 2,005,366; June 18.

Gebsinger, Nelson O., Dover, Ohio. Veneer fastening means. 2,005,030; June 18.

General Aniline Works, Inc. (See Helwert, F., and Palm, assignors.)

General Aniline Works, Inc. (See Krauss, C., and Brunner, assignors.)

General Aniline Works, Inc. (See Kunz, M. A., Berthold, and Koeberle, assignors.)

General Cable Corporation. (See Snyder, Edward, assignor.)

General Controls Co. (See Ray, William A., assignor.)

General Electric Company. (See Donovan, J. F., and Illingworth, assignors.)

General Electric Company. (See McCarty, Orin P., assignor.)

General Electric Company. (See Wilson, Guy W., assignor.)

General Motors Corporation. (See Rockwell, Edward A., assignor.)

General Motors Corporation. (See Summers, Otto M., assignor.)

General Tire & Rubber Company, The. (See Maranville, Alger G., assignor.)

Genz, Frederick W., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Simultaneous production of available phosphoric acid and available lime common elements. 2,005,617; June 18.

Gephart, Bruce O., Chicago, Ill. Fishing rod. 2,005,081; June 18.

Geyer, Franz, assignor to "Elin" Aktiengesellschaft für elektrische Industrie, Vienna, Austria. Air-cooling of glass bulb rectifiers. 2,005,031; June 18.

Gibson Electric Refrigerator Corporation. (See Tonborg, J., and Rosebrook, assignors.)
Gibson, John H., assignor to The Weaver-Wall Company, Cleveland, Ohio. Building corner construction and units therefor. 2,005,462; June 18.
Girard, James B., Phoenix, Ariz. Gold recovering device and method. 2,004,939; June 18.
Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive device. 2,005,582; June 18.
Glaxner, Herman J., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Apparatus for compacting powders. 2,005,542; June 18.
Gleason, George A., and A. P. Hayden, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Traffic guard. 2,005,418; June 18.
Gleason Works. (See Hill, Maxwell H., assignor.)
Globar Corporation. (See Heyroth, Albert H., assignor.)
Globe-American Corporation. (See Chester, A. P., and Hill, assignors.)
Glolite Corporation, The. (See Schmitt, George P., assignor.)
Goldberg, Lilian, Madison, N. J. Plant support. 2,004,983; June 18.
Goodhue, William L., Cleveland, Ohio, assignor to American Sheet and Tin Plate Company. Rolling sheet metal. 2,005,315; June 18.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Gorton, George, Machine Company. (See Gorton, G., Henkes, and Horner, assignors.)
Gorton, George, 3d, P. M. Henkes, and G. Horner, assignors to George Gorton Machine Company, Racine, Wis. Machine tool. 2,005,696; June 18.
Gottwald, Christian, Cleveland Heights, assignor to The Ric-wil Company, Cleveland, Ohio. Conduit and like construction. 2,005,699; June 18.
Gottwald, Christian, Cleveland Heights, and H. R. Hawgood, assignors to The Ric-wil Company, Cleveland, Ohio. Conduit. 2,005,704; June 18.
Gould Storage Battery Corporation. (See Booss, Frederick E. E., assignor.)
Gowen, Robert F., Ossining, N. Y., and J. L. Bradford, Elizabeth, N. J., assignors, by mesne assignments, to Radio Corporation of America. Vacuum device. 2,005,419; June 18.
Graafen, Ferdinand, Zwickau, Germany. Water tube boiler. 2,005,543; June 18.
Graafen, Ferdinand, Zwickau, Germany. Furnace grate. 2,005,544; June 18.
Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
Graff-Baker, William S., Kensington, London, England, assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 2,005,067; June 18.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor cultivator. 2,005,618; June 18.
Grant, Bert. (See Hocking, Edward P., assignor.)
Grattan, David. (See Weaver, Harry C., assignor.)
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of acids of phosphorus. 2,005,619; June 18.
Greenawalt, John E., New York, N. Y. Incinerator furnace. 2,005,082; June 18.
Greenlee, Theodore K., Rockford, Ill., assignor to H. D. Colman. Control for air conditioning systems. 2,004,940; June 18.
Grieshaber, Eugene. (See Dubitsky, S., Adler, Grieshaber, Dearcopp, and Wood.)
Griffin, Joseph E., Savannah, Ga. Vehicle horn. 2,005,620; June 18.
Grimes, Thaddeus S., assignor to The Lummus Cotton Gin Company, Columbus, Ga. Baling press. 2,005,291; June 18.
Griscom, Samuel B., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., Obtaining service continuity by high speed reclosing. 2,005,140; June 18.
Griswold, Hugh T., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for tightening caps on jars. 2,005,186; June 18.
Grove, Samuel F., Swarthmore, assignor to Henry Bower Chemical Manufacturing Company, Philadelphia, Pa. Manufacture of iron blues. 2,005,697; June 18.
Grove, Samuel F., Swarthmore, assignor to Henry Bower Chemical Manufacturing Company, Philadelphia, Pa. Manufacture of iron blues. 2,005,698; June 18.
Guiberson Corporation, The. (See Guiberson, William R., assignor.)
Guiberson, William R., assignor to The Guiberson Corporation, Dallas, Tex. Oil saver. 2,005,259; June 18.
Gustin-Bacon Manufacturing Co. (See Stephens, Joseph F., assignor.)
Gutzwiller, Erwin C., assignor of one-half to I. J. Amo, North Plainfield, N. J. Internal combustion engine. 2,005,141; June 18.
Habicht, Otto, Frankfort-on-the-Main, Germany, assignor to Compo Shoe Machinery Corporation, New York, N. Y. Apparatus for subjecting shoes and other articles to pressure. 2,005,621; June 18.
Haemmerle, Oscar, Union City, N. J. Kitchen utensil lifter. 2,005,032; June 18.
Haffter, Hans W. (See Roome, F. A., and Haffter.)
Halslip, Albert S., Fredericksburg, Va. Ice cube tray. 2,005,292; June 18.
Hale, George C., Dover, N. J. Explosive. 2,004,941; June 18.
Hall, Claude C., Portland, Oreg. Forming machine for compressed feeds. 2,005,689; June 18.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for fractionating hydrocarbon oil vapor. 2,005,316; June 18.
Hall, Frank W., and H. A. Smith, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Cracking hydrocarbon oils. 2,005,675; June 18.
Hall, William B. F., Fort Wayne, Ind. Display sign. 2,005,420; June 18.
Halliburton, Erle P., Los Angeles, Calif. Grouting plug. 2,005,367; June 18.
Halloh, John, Sunnyside, N. Y. Hairdressing device. 2,005,187; June 18.
Hampton, Leon N., New York, N. Y., and A. K. Smith, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 2,005,583; June 18.
Hano, Edward, G. U. Lacroix, and G. Hogan, Holyoke, Mass. Counter sales book. 2,004,942; June 18.
Hanover, Bert H., assignor to The Kendall Company, Chicago, Ill. Adhesive tape and gauze dressing package. 2,005,676; June 18.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Filter. 2,005,083; June 18.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission system. 2,005,084; June 18.
Hansen, Johannes E. (See Abrahamsen, A., and Hansen.)
Harrington, William A., Leichhardt, near Sydney, New South Wales, Australia. Determining wearing qualities of materials. 2,005,521; June 18.
Harris, Arthur L. and C. L., assignors to L. M. Harris, New Albany, Ind. Rotary display apparatus. 2,005,293; June 18.
Harris, Charles L. (See Harris, Arthur L. and C. L.)
Harris, Louise M. (See Harris, Arthur L. and C. L., assignors.)
Harryman, Helma J., Glendale, Calif. Head and back support for a legless seat. 2,005,463; June 18.
Hart, Raymond S., Fanwood, N. J. Detachable bit for rock drills. 2,005,498; June 18.
Hauerken, George H., trustee. (See McMillan, Wesley K., assignor.)
Haugh, Raymond R., assignor, by mesne assignments, to Kraft Egg Machine Company, Chicago, Ill. Testing color of egg yolks. 2,004,943; June 18.
Hauser & Co., G. m. b. H. (See Albeck, Albert, assignor.)
Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,005,655; June 18.
Hawgood, Harvey R. (See Gotwald, C., and Hawgood.)
Hawle, Michael, Greens Farms, Conn. Hose supporter. 2,005,622; June 18.
Hayden, Albert P. (See Gleason, G. A., and Hayden.)
Hedrick, Clarence E., Newton, Kans. Feeder. 2,005,188; June 18.
Heintz & Kaufman, Ltd. (See Eitel, W. W., and McCullough.)
Heltman, Charles H. (See Kuhn, A., and Heltman.)
Helwert, Fritz and A. Palm, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Product of 2-acetylamino-3-chloranthraquinone. 2,005,317; June 18.
Henkes, Peter M. (See Gorton, G., Henkes, and Horner.)
Herberts Machinery Co. (See Merrigan, William J., assignor.)
Herlon, Heinrich G., New York, N. Y. Fan. 2,004,984; June 18.
Hermann, John F., Havana, Ill. High pressure journal lubricator. 2,005,404; June 18.
Herr, Albert H., Port Huron, Mich. Solder coupling. 2,005,189; June 18.
Hertz, Hjalmar, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dust-bag support fastening for portable suction cleaners. 2,005,690; June 18.
Hertz, Hjalmar, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dust-bag support for portable suction cleaners. 2,005,691; June 18.
Heyer, Benjamin F. W., Bloomfield, assignor to Atlas Supply Company, Newark, N. J. Storage battery charging rack and display stand. 2,005,623; June 18.
Heyroth, Albert H., assignor to Globar Corporation, Niagara Falls, N. Y. Temperature controlling device. 2,005,584; June 18.
Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 2,005,368; June 18.
Higbee, Earl V., assignor to The Stanley Works, New Britain, Conn. Collable measuring rule. 2,005,677; June 18.
High, John M., New York, N. Y. Light display apparatus. 2,005,421; June 18.
Hill, Dewey H. (See Chester, A. P., and Hill.)
Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Cutter sharpener. 2,005,142; June 18.

Hill, Rowland, Cheadle Hulme, assignor to Imperial Chemical Industries Limited, Westminster, England. Resinous compounds. 2,005,499; June 18.
Hill, William W., Duquesne, Pa., assignor to Carnegie Steel Company. Coiling rods or bars. 2,005,369; June 18.
Hobart Manufacturing Company, The. (See Johnston, H. L., and Singer, assignors.)
Hocking, Edward P., assignor of one-half to B. Grant, Toronto, Ontario, Canada. Milk cooler. 2,005,033; June 18.
Hockley Chester F., receiver. (See Connolly, G. C., and Pierce.)
Hogan, Celia M., Chicago, Ill. Beach garment. 2,004,985; June 18.
Hogan, George. (See Hano, E., Lacroix, and Hogan.)
Hogeman, Hans. (See Wild, J. E., Hogeman, and Schwarzmann.)
Hogg, William C., Pittsburgh, Pa. Tapping furnace. 2,005,143; June 18.
Holloway, William M., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Flange lining machine. 2,004,944; June 18.
Holm, Carl, assignor to Economic Machinery Company, Worcester, Mass. Bottle conveying mechanism. 2,005,522; June 18.
Holt, Annon W., Long Beach, Calif. Roof demonstrator. 2,005,034; June 18.
Holt, Lee C., Edgemoor, and E. L. Mattison, Richardson Park, assignors to Kinetic Chemicals Inc., Wilmington, Del. Organic fluorine compounds and production thereof. 2,005,712; June 18.
Holt, Lee C., Edgemoor, Del., and E. L. Mattison, Pennsgrove, N. J., assignors to Kinetic Chemicals Inc., Wilmington, Del. Production of fluorinated acyclic hydrocarbons. 2,005,713; June 18.
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Method and apparatus for igniting explosive charges. 2,004,945; June 18.
Horner, George. (See Gorton, G., Henkes, and Horner.)
Hotherall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,004,946; June 18.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houtman, Jacobus M., assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray apparatus. 2,005,035; June 18.
Howe, Alonzo H. Don, Chicago, Ill. Method and apparatus for gas analyses. 2,005,036; June 18.
Hughes, Archibald. (See Toohey, E. A., and Hughes.)
Hughes Industries Co. (See Burns, Bruce, assignor.)
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Document receptacle for a photographic reproducing machine. 2,005,370; June 18.
Hulbert, Edwin F., Glenview, assignor to Anacin Company, Chicago, Ill. Automatic container filling device. 2,005,545; June 18.
Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of triproplonin. 2,005,371; June 18.
Hungerbühler, Paul, Zug, Switzerland, assignor to Landis & Gyr, A. G. Time controlled switch. 2,005,085; June 18.
Hunicke, Clarence C., Palisade, and Charles L. Wagner, Boonton, N. J. Concentrating waste liquors. 2,005,422; June 18.
Hunter, Matthew A., Troy, N. Y., assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,005,423; June 18.
Hussmann-Ligonier Company. (See Reed, C. S., and Rubin, assignors.)
Hutto Engineering Company. (See Isom, Benjamin O., assignor.)
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Press mechanism. 2,005,260; June 18.
Hyde Park Foundry and Machine Company. (See Aupperl, George H., assignor.)
Hygrade Sylvania Corporation. (See LeBel, Clarence J., assignor.)
Hyman, Henry, Brooklyn, N. Y. Flash light hanger. 2,005,339; June 18.
I. G. Farbenindustrie Aktiengesellschaft. (See Flemming, W., and Speer.)
I. G. Farbenindustrie Aktiengesellschaft. (See Konrad, E., and Schwerdtel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krey, Willi, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meisenburg, Kurt, assignor.)
Ideal Hose Coupling Company. (See Williams, Philip H., assignor.)
Ideal Novelty & Toy Co. (See Katz, Abraham M., assignor.)
Illingworth, George. (See Donovan, J. F., and Illingworth.)
Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)
Industrial Rayon Corporation. (See terHorst, William P., assignor.)
Ingram, Harry, Brooklyn, N. Y. Closure cap for tumblers, bottles, jars, and other receptacles. 2,005,318; June 18.
International Carbonic Engineering Company. (See Du Rois, Ernest, assignor.)
International Harvester Company. (See Graham, William S., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See MacDonald, Raymore, D., assignor.)
International Harvester Company. (See Morkovski, James, assignor.)
International Harvester Company. (See Roscoe, M. W., and Crumb, assignors.)
International Harvester Company. (See Smith, Hiram P., assignor.)
International Motor Company. (See Post, Edwin M., assignor.)
Irsch, George J., Harvey, and W. B. Stephenson, Chicago, Ill. Automatic draft controller. 2,004,947; June 18.
Irsch, George J., Harvey, and W. B. Stephenson, Chicago, Ill. Automatic draft controller. 2,004,948; June 18.
Isom, Benjamin O., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Grinding apparatus. 2,004,949; June 18.
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite motion pictures. 2,004,986; June 18.
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite motion pictures. 2,004,987; June 18.
Jackson, Corwill, Chicago, Ill. Tamper and like impact tool. 2,004,988; June 18.
Jaffin, George M., and J. T. Basseches, New York, N. Y. Seal. 2,005,340; June 18.
James, Edward M. (See Jones, L. D., and James.)
Janda, Anna J., assignor to J. J. Ryan, Chicago, Ill. Marcel waver. 2,005,465; June 18.
Jayme, Georg, assignor to Canadian International Paper Company, Hawkesbury, Ontario, Canada. Esterification of cellulose. 2,005,678; June 18.
Jenkins, Bernard F., U. S. Navy. Torque-measuring device. 2,004,950; June 18.
Jenkins, George M. O., Neasden, London, England. Window curtain support. 2,005,546; June 18.
Jensen, Henry M., U. S. Navy. Navigational instrument. 2,004,951; June 18.
Jesser, Albert E., Vandergrift, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Sealing ring. 2,005,341; June 18.
Jacobus, Henry V. (See Buhl, O., and Jacobus.)
Johancen, Thomas, deceased, late of Linthicum Heights, by the Fidelity Trust Company, and J. A. Jones, Baltimore, Md., administrator. Paper web connecting mechanism for printing presses. 2,005,037; June 18.
Johannessohn, Fritz, Mannheim-Feudenheim, and E. Rabald, Mannheim, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y. Extracting sex hormones and a compound of a sex hormone with an alkaloid. 2,005,700; June 18.
Johns, Carl A., Chicago, Ill. Shelf. 2,005,372; June 18.
Johns-Manville Corporation. (See Toohey, Edward A., assignor.)
Johns-Manville Corporation. (See Toohey, E. A., and Hughes, assignors.)
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tillage disk bearing. 2,005,547; June 18.
Johnson, James P., Shaker Heights, Ohio. Variable speed transmission. 2,005,227; June 18.
Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
Johnson, Milton C., Company. (See Neff, John W., assignor.)
Johnston, Clarence S., Amarillo, Tex. Expansible piston. 2,005,373; June 18.
Johnston, Herbert L., Troy, and J. C. Slager, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,005,374; June 18.
Johnston, Harry M., McKeesport, Pa., assignor to National Tube Company. Opposed reciprocatory tool machine. 2,005,319; June 18.
Jones, Harold L., et al. (See Daudt, H. W., Youker, and Jones.)
Jones, John A. (See Johancen, T., and Jones.)
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic all-metal spool making machine. 2,005,375; June 18.
Jones, Leo D., Philadelphia, and E. M. James, Moylan, assignors to The Sharples Specialty Company, Philadelphia, Pa. Refining of hydrocarbons. 2,005,342; June 18.
Jones, Les, Peoria, assignor to Premier-Pabst Corporation, Chicago, Ill. Movable partition for vehicles. 2,005,086; June 18.
Jones, Richard O. (See Sagar, H., Van Weyenbergh, and Jones.)
Jones, Walter L., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery covering structure. 2,005,670; June 18.

Joshua, Walter P., Ceham, and H. M. Stanley, Tadworth, England. Separation and recovery of olefines from gases containing the same. 2,005,500; June 18.

Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electron discharge device control system. 2,004,952; June 18.

Kaemmerling, Gustav H., assignor to Erie City Iron Works, Erie, Pa. Wall structure. 2,005,376; June 18.

Kallo Inc. (See Lieberknecht, Karl R., assignor.)

Kalinsey, Paul W. (See Phillips, I. M., and Kalinsey.)

Kálmán, Márton, Budapest, Hungary, assignor to Universal Postal Frankers, Limited, London, England. Value stamping device. 2,005,038; June 18.

Kamack, Henry W., assignor to The American Brass Company, Waterbury, Conn. Securing spuds and similar fittings in range boilers and other vessels, pipes, etc. 2,005,087; June 18.

Kammerdiner, James A., Los Angeles, Calif. Torsion set rotary jar. 2,005,228; June 18.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle crowning machine. 2,005,585; June 18.

Karsel, William, Chicago, Ill., and C. W. Taylor, St. Louis, Mo., said Taylor assignor to said Karsel. Automobile heater. 2,004,993; June 18.

Kasley, Alexander T., Prospect Park, Pa., assignor to Delaware Chemical Engineering Company, Wilmington, Del. Power plant. 2,005,377; June 18.

Katz, Abraham M., assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Doll. 2,005,088; June 18.

Kaye, James W., assignor to Kaye & MacDonald, Inc., West Orange, N. J. Steam trap. 2,004,953; June 18.

Kaye & MacDonald, Inc. (See Kaye, James W., assignor.)

Kayner, Morris S., New York, N. Y. Cigar package. 2,005,039; June 18.

Kelly, William W., Cleveland, Ohio. Dispensing device. 2,005,501; June 18.

Kelsey-Hayes Wheel Company, The. (See Batie, Joseph E., assignor.)

Kendall Company, The. (See Hanover, Bert H., assignor.)

Kent, Forrest M., Spokane, Wash. Variable propeller. 2,005,343; June 18.

Keystone Tool Manufacturing Company. (See Vosbikian, Peter S. and T. S., assignors.)

Kiel, Frank, assignor to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Manufacture of cellulose material. 2,005,373; June 18.

Kindle, Frank, and R. E. Speck, Pendleton, Ind. Broadhead hunting point. 2,005,424; June 18.

Kinetic Chemicals, Incorporated. (See Daudt, H. W., and Mattison, assignors.)

Kinetic Chemicals, Inc. (See Daudt, H. W., and Youker, assignors.)

Kinetic Chemicals, Incorporated. (See Daudt, H. W., and Youker, assignors.)

Kinetic Chemicals, Inc. (See Holt, L. C., and Mattison, assignors.)

Kipper, Herman B., Accord, Mass. Digestion of vegetable growths to produce cellulose. 2,005,190; June 18.

Kirk, Claude R., Oak Park, and E. E. Collison, assignors to Standard Ticket Games Corporation, Chicago, Ill. Game apparatus. 2,004,989; June 18.

Kirk, Claude R., Oak Park, and E. E. Collison, assignors to Standard Ticket Games Corporation, Chicago, Ill. Game apparatus. 2,004,990; June 18.

Kirk, Claude R., Oak Park, and E. E. Collison, assignors to Standard Ticket Games Corporation, Chicago, Ill. Game apparatus. 2,005,548; June 18.

Klahn, Emil, New Vernon, N. J. Thermostatically operated electrical device. 2,005,549; June 18.

Klemmer, Edward H. (See LeVesconte, L. B., and Klemmer.)

Klemmer, Edward H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relaying system. 2,005,144; June 18.

Klots, Henry O., Bethel, assignor to The Redding Marble Company, New Haven, Conn. Precast concrete joist and slab construction. 2,004,991; June 18.

Knapp-Monarch Company. (See Derringer, Percy O., assignor.)

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for slitting covers attached to heels. 2,005,040; June 18.

Knox, Herbert W., Administrator. (See Pelton, George M.)

Keci, Ludvik J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control system. 2,005,586; June 18.

Koeberle, Karl. (See Kunz, M. A., Berthold, and Koeberle.)

Koenekamp, Hans F., Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite motion picture. 2,004,992; June 18.

Konrad, Erich, and F. Schwerdtel, Leverkusen-I.-G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing chlorinated rubbers. 2,005,320; June 18.

Koski, Carlo D., Brainerd, Minn. Molecular weight indicator. 2,005,191; June 18.

Kotrbaty, Guy F., Laurelton, assignor to Fer-O-Con Corporation, New York, N. Y. Partition wall assembly. 2,005,145; June 18.

Kotrbaty, Guy F., assignor to Fer-O-Con Corporation, New York, N. Y. Self-supporting building member and joint therefor. 2,005,146; June 18.

Kovats, John, Fairfield, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Folding chair. 2,005,715; June 18.

Kovats, John, Fairfield, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Folding article of furniture. 2,005,716; June 18.

Kowalski, Marion F., New York, N. Y. Gas and air mixing device. 2,005,624; June 18.

Kraft Egg Machine Company. (See Haugh, Raymond R., assignor.)

Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors to Standard-I. G. Company, Linden, N. J. Conversion of solid fuel and product derived therefrom or other materials into valuable liquids. 2,005,192; June 18.

Krauss, Carl, and W. Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 6-Methoxy-6'-Ethoxythioindigo. 2,005,041; June 18.

Krebs, Henry, Detroit, assignor to Packard Motor Car Company, Detroit, Mich. Valve spring. 2,005,089; June 18.

Krey, Willi, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of compounds of the ethylene series substituted by an aromatic residue. 2,005,042; June 18.

Krieger, Adolf W., Brooklyn, N. Y. One piece folding razor. 2,005,090; June 18.

Kubiak, Frank, et al. (See Zemanek, Frank, assignor.)

Kuenstler, Walter E., Grantwood, N. J. Bottle cap and spreading device. 2,005,091; June 18.

Kuhn, Anthony, and C. H. Heitman, New York, N. Y.; said Heitman assignor to D. Reid, Weehawken, N. J. Bottle dispensing device. 2,005,092; June 18.

Kunz, Max A., Mannheim, E. Berthold, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinonecridone series. 2,005,321; June 18.

Kutzner, Fred. (See Dreyer, A., and Kutzner, assignor.)

Kutzner, Willy. (See Dreyer, A., and Kutzner.)

Kwartin, Bernard, Brooklyn, N. Y. Regenerative sound recording device. 2,005,425; June 18.

LaBour, Harry E., Elkhart, Ind. Self priming pump. 2,005,466; June 18.

Lacroix, George U. (See Hano, E., Lacroix, and Hogan.)

Lath, William L., Oak Park, assignor to Reynolds Electric Company, Chicago, Ill. Electric circuit controller for electric sign flashers, signaling devices and similar mechanisms. 2,005,230; June 18.

Lamm, Uno. (See Eriksson, K. E., and Lamm.)

Land, Edwin H., Wellesley Farms, Mass. Polarizing vizor or sunshade. 2,005,426; June 18.

Land und Seekabelwerke A. G. (See Fassbender, Josef, assignor.)

Landis & Gyr, A. G. (See Hungerbühler, Paul, assignor.)

Landis & Gyr, A.-G. (See Pudelko, Ricard, assignor.)

Lange, Fritz. (See Brasch, A., and Lange.)

Langguth, Paul O., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Potential device. 2,004,954; June 18.

Langguth, Paul O., Irwin, and W. A. Lewis, Wilkensburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coupling capacitor system. 2,005,147; June 18.

Lapointe Machine Tool Company, The. (See West, D. H., and Monroe, assignors.)

La Riche, Anthony M., Cleveland, Ohio, assignor to Detroit Dental Manufacturing Co., Detroit, Mich. Saliva ejector. 2,005,625; June 18.

Laszlozcy, Stephen, Bergenfield, N. J., assignor to Freydberg Brothers, Inc., New York, N. Y. Feed reversing mechanism for sewing machines. 2,005,656; June 18.

Latimer, O. O. (See Pace, Jefferson D., assignor.)

Lawrence Paper Company, The. (See Siler, Edward H., assignor.)

Lazare, Jacob R., Brooklyn, N. Y. Anaesthesia apron. 2,005,294; June 18.

Lea, William H., et al. (See Booharin, Leo Y., assignor.)

LeBel, Clarence J., Lynn, assignor to Hygrade Sylvania Corporation, Salem, Mass. Glow discharge sign. 2,004,995; June 18.

Ledbetter, William H., Dallas, Texas. Tractor wheel. 2,005,550; June 18.

Lee, Henry R. (See Spiegler, L., and Lee.)

Lee, John, Zurich, Switzerland, assignor, to E. R. Squibb & Sons, New York, N. Y. Amidines. 2,004,994; June 18.

Leg-O-Matic Company. (See Kovats, John, assignor.)

Leishman, Le Roy J., Los Angeles, Calif. Television apparatus and method. 2,005,344; June 18.

Leland Electric Company, The. (See Leland, George H., assignor.)

Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Riveting machine. 2,005,261; June 18.

Leland-Gifford Company. (See Abadjieff, Ivan V., assignor.)

Lenke, George H., Elmhurst, assignor of one-half to Julius J. Ohlis, Oak Park, Ill. Tiling and the like. 2,005,427; June 18.

Lever Brothers Company. (See Bodman, John W., assignor.)

Le Vesconte, Lester B., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Continuous carrier relaying. 2,004,955; June 18.

Le Vesconte, Lester B., Irwin, and E. H. Klemmer, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Carrier current relay. 2,005,148; June 18.

Leyine, Henry, Philadelphia, Pa. Box or carton. 2,005,345; June 18.

Levy, Lester L., Brooklyn, N. Y. Shoe size measuring device. 2,005,428; June 18.

Lewis, William A. (See Evans, R. D., and Lewis.)

Lewis, William A. (See Langguth, P. O., and Lewis.)

Lewis, William A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Out-of-step protection. 2,005,149; June 18.

Lewis, William A. Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Continuous carrier relaying. 2,005,150; June 18.

Lichtenstein, Joseph, Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Centrifugal pump and the like. 2,005,429; June 18.

Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kallo Inc., New York, N. Y. Knitted fabric. 2,005,093; June 18.

Lima Locomotive Works, Incorporated. (See Sloaen, William W., assignor.)

Limb, Frederick, Beeston, assignor to Ericsson Telephones Limited, London, England. Control of switches in totalizer systems. 2,005,151; June 18.

Lindgren, Hans O., Appelviken, Sweden, assignor to The DeLaval Separator Company, New York, N. Y. Centrifugal separator. 2,005,094; June 18.

Lindsay, James P. (See Fisher, H. A., and Lindsay.)

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Liverance, Frank E., Jr., Grandville, Mich. Throttle control mechanism. 2,005,262; June 18.

Lloyd, Elmer J. (See Beatty, C. C., and Lloyd.)

Lock Nut Corporation of America, The. (See Emery, I. C., assignor.)

Loewe, Milton. (See Fry, Walter L., assignor.)

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,005,430; June 18.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,005,431; June 18.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,005,432; June 18.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,005,433; June 18.

Long, Spencer W. (Young, F. J., and Long.)

Lontz, Harry R., assignor to The F. & N. Lawn Mower Company, Richmond, Ind. Bearing. 2,005,502; June 18.

Loos, Clarence J., and L. J. Miller, Chicago, Ill. Vaporizer. 2,005,229; June 18.

Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Oil seal. 2,005,587; June 18.

Lose, James E., Munhall, Pa. Apparatus for manufacturing plates and the like. 2,005,152; June 18.

Lubrication Corporation, The. (See Parker, Clark W., assignor.)

Ludwig, Richard, Dusseldorf-Unterrath, Germany. Pilger rolling mill. 2,005,657; June 18.

Lummus Cottom Gin Company, The. (See Grimes, Thaddeus S., assignor.)

Lummus Cotton Gin Company. (See Murray, Ethan F., assignor.)

Lyon, Etta R. (See Russell, W. E., and Lyon.)

Macdonald, Angus S., New York, N. Y., assignor to Snead & Company, Jersey City, N. J. Convertible bookstack. 2,005,434; June 18.

Macdonald, Murdock, East Cleveland, Ohio. Ticket and ticket holder. 2,005,346; June 18.

MacDonald, Raymore D., Western Springs, Ill., assignor to International Harvester Company. Grinding device for reeeling cutters. 2,005,551; June 18.

MacFarland, Sam H., Evanston, Ill. Apparatus for pressing clothing. 2,005,435; June 18.

MacLean, Gordon, Flushing, N. Y. Making jelly. 2,005,095; June 18.

Macourek, Jerry F., assignor to G. W. Snyder, Columbus, Ohio. Amusement apparatus. 2,005,231; June 18.

Mahin, Walter T., Lorain, and J. L. Mauthe, Elyria, Ohio, assignors to National Tube Company. Butt-welding pipe. 2,005,322; June 18.

Malet, Julien and R. Armenault, Paris, assignors of one-half to Fabriques de Products de Chimie Organique de Laire, Societe Anonyme, Issy-les-Moulineaux, France. Condensing urea with formaldehyde or the polymeric bodies thereof and the product obtained therefrom. 2,004,996; June 18.

Malickson, Philip S., Bala, Pa. Reel arm for motion picture projectors. 2,005,096; June 18.

Malkin-Illion Corporation. (See Malkin, Samuel M., assignor.)

Malkin, Samuel M., assignor to Malkin-Illion Corporation, Newark, N. J. Vending machine. 2,005,097; June 18.

Mall, Edwin A., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Control arrangement for tandem operation pressing machines. 2,005,043; June 18.

Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stylus feed mechanism for phonographs. 2,005,588; June 18.

Mamiya, Fusajiro, Los Angeles, Calif. Stop and turn signal. 2,005,658; June 18.

Manly Corporation. (See Centervall, Hugo A., assignor.)

Maranville, Alger G., assignor to General Tire & Rubber Company, Akron, Ohio. Aircraft landing wheel. 2,005,626; June 18.

Maranville, Alger G., assignor to The General Tire & Rubber Company, Akron, Ohio. Airplane landing wheel. 2,005,627; June 18.

Maranville, Alger G., assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle wheel. 2,005,628; June 18.

Marcus, Charles, New York, N. Y., assignor by mesne assignments to Eclipse Aviation Corporation, East Orange, N. J. Aircraft deviation indicator. 2,005,379; June 18.

Margolith, Mordicha, Hawthorne, assignor to National Merchandising Company, Ltd., Santa Monica, Calif. Amusement device. 2,005,692; June 18.

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Markey, Fred L. (See Stoehrer, H., and Markey.)

Marks, Alvin M., Brooklyn, assignor to Communication Patents, Inc., New York, N. Y. Synchronizing system. 2,005,153; June 18.

Markush, Eugene A., Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y. Dyeing composition. 2,005,347; June 18.

Markworth Ernst. (See Debauch, C. P., and Markworth.)

Marsden, Leonard, Newton-le-Willows, assignor to T. and T. Vicars Limited, Earlestown, Newton-le-Willows, England. Stacking or arranging substantially flat articles such as biscuits. 2,005,629; June 18.

Marsh, Harry, Youngstown, and R. M. Chesney, assignors to Porcelain Tile Corporation, Warren, Ohio. Tile. 2,005,380; June 18.

Marsh, Harry V., Chicago, Ill. Dress shield. 2,005,232; June 18.

Martin, Clarence L., Hazardville, Conn. Cigarette holder. 2,005,233; June 18.

Martin, John J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plastic composition. 2,004,956; June 18.

Matteson, Edward C., assignor of one-fourth to W. F. A. Buehner and one-fourth to A. M. Moore, Miami, Fla. Floor mat. 2,005,659; June 18.

Mattison, Edwin L. (See Daudt, H. W., and Mattison.)

Mattison, Edwin L. (See Holt, L. C., and Mattison.)

Mauthe, James L. (See Mahin, W. T. and Mauthe.)

Maxwell, John N., Pittsburgh, Pa. Hand pool game. 2,005,660; June 18.

Mayer, Carl A., assignor to United American Bosch Corporation, Springfield, Mass. Variable condenser. 2,005,098; June 18.

Mayo, Edward L., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Temperature responsive liquid pump. 2,005,193; June 18.

Mayo, Franklin, assignor to W. R. Armstrong, Chicago, Ill. Headlight lamp. 2,005,194; June 18.

Mazurie, James V. (See Bark, W. Schmidt, and Mazurie.)

McAfee, Earl H., Detroit, Mich. Coal delivery truck. 2,005,552; June 18.

McArdle, Michael W., Assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron sole plate. 2,005,234; June 18.

McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Sealing device. 2,004,997; June 18.

McCabe, Ira E., Chicago, Ill. Delayed action switch mechanism. 2,005,195; June 18.

McCann, John F. (See Sprague, R. C., and McCann.)

McCann, Michael, Ozone Park, Long Island, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop-motion device for sewing machines. 2,005,679; June 18.

McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Transformer tap changing mechanism. 2,004,998; June 18.

McClatchie, Stanley, Newark, N. J. Phonograph pick-up. 2,005,154; June 18.

McCoy, Clarence E., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article conveying mechanism. 2,005,589; June 18.

McCullough, Jack. (See Eitel, W. W., and McCullough.)

McDougal, Homer R., assignor to Eastman Kodak Company, Rochester, N. Y. Recovery of ingredients of plastic materials. 2,005,381; June 18.

McGavack, John, Leonia, and R. F. Tefft, Nutley, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Rubber for electrical insulation and water resistant materials and method of producing the same. 2,005,382; June 18.

McGonigal, Edward F. (See Sucky, R. R., McGonigal, and Bargar.)

McGraw Electric Company. (See Scharf, Frank W., assignor.)

McIlvane, William J., Bellerose, N. Y., assignor to Bridgeport Brass Company, Bridgeport, Conn. Ground rod. 2,004,999; June 18.

McKinney Tool and Manufacturing Company, The. (See Rubin, Norbert C., assignor.)

McLanahan, Charles M., Detroit, Mich. Motor vehicle drive. 2,005,263; June 18.

McLaughlin Glass Co. (See Chilcote, Ray A., assignor.)

McLeod, John D., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Glass rack. 2,005,099; June 18.
McMillan-Miller Engineering Co. (See McMillan, Wesley K., assignor.)
McMillan, Wallace A., Beacon, assignor to The Texas Company, New York, N. Y. Distilling and fractionating apparatus. 2,005,323; June 18.
McMillan, Wesley K., San Francisco, Calif., assignor, by mesne assignments, to G. H. Hauerken, trustee for McMillan-Miller Engineering Co., San Francisco, Calif. Track assembly. 2,005,436; June 18.
McNamara, Edward M., Chicago, Ill. Boiler and like furnaces. 2,005,264; June 18.
McNutt, Joseph D., assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 2,005,197; June 18.
Mears, George E., Los Angeles, Calif. Shower bath apparatus. 2,005,196; June 18.
Meisenburg, Kurt, Leverkusen, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerising organic compounds containing a double linkage and products obtainable thereby. 2,005,295; June 18.
Menge, Emma M., Newton, Mass. Flower holder. 2,005,467; June 18.
Mengel Company, The. (See Sliger, Oscar, assignor.)
Merrigan, William J., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif. Tiltable table top. 2,005,100; June 18.
Merrigan, William J., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif. Lathe. 2,005,101; June 18.
Mers & Co. (See Steinbrenck, Adolf, assignor.)
Messner, Arthur J., Rochester, N. Y., assignor of one-half to Elmer L. Schumacher, Southbridge, Mass. Capsule. 2,004,957; June 18.
Messar, John, Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,005,590; June 18.
Metcalfe-Shaw, Edward, Chiswick, London, England. Cooling slab for viscous liquids. 2,005,271; June 18.
Meyer, John F. (See Firestone, John B., assignor.)
Meyercord, George R., Chicago, Ill., assignor, by mesne assignments to Reconstruction Finance Corporation. Making dies. 2,005,591; June 18.
Michelin et Cie. (See Bourdon, Pierre M., assignor.)
Michell, Anthony G. M., Canton, Mass. Nut, screw, and like article. 2,005,348; June 18.
Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
Mika, Herbert L. (See Olson, O. R., and Mika.)
Mikkelsen, John M. (See Alvey, W. S., and Mikkelsen.)
Miles, Ephraim E., South Lancaster, Mass.; W. E. and M. V. Miles, executors of said Miles, deceased. Renewable pad and support therefor. 2,005,680; June 18.
Miles, Martha V., executor et al. (See Miles, Ephraim E., assignor.)
Miles, Walter E., executor, et al. (See Miles, Ephraim E., assignor.)
Miller, Charles A., and D. A. Smith, Franklin, Pa., assignors to Valvoline Oil Company. Solid lubricating compound. 2,005,553; June 18.
Miller, Laurits N., Eugene, Oreg., assignor to L. N. Miller Engineering Corporation. Differential motor. 2,005,000; June 18.
Miller, L. N., Engineering Corporation. (See Miller, Laurits N., assignor.)
Miller, Louis J. (See Loos, C. J., and Miller.)
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 2,005,102; June 18.
Milner, Bertram, St. Bernard, Ohio. Artificial bait or fish lure. 2,005,554; June 18.
Mining Engineering Company Limited, The. (See Moore, Matthew S., assignor.)
Mitchell, Bryce, Seattle, Wash. Rotary pump. 2,004,958; June 18.
Mitchell, John E., Dallas, Tex. Cotton cleaning and reclaiming machine. 2,005,265; June 18.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator structure. 2,005,235; June 18.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Engine cooling device. 2,005,468; June 18.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Moise, Bolton C., Pittsburgh, Pa. Tube expanding mill. 2,005,155; June 18.
Mole-Richardson, Inc. (See Coates, Fielding C., assignor.)
Monroe, Kenneth C. (See West, D. H., and Monroe.)
Montgomery, H. A. (See Winter, John R., assignor.)
Moore, A. M., et al. (See Matteson, Edward C., assignor.)
Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company, Limited, Meco Works, Worcester, England. Haulage gear for mining machines. 2,005,523; June 18.
Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Loading machine. 2,005,524; June 18.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,005,103; June 18.
Moorhouse, Henry L., assignor to Brockton Last Company, Brockton, Mass. Last. 2,005,324; June 18.
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, New York, N. Y. Manufacturing fastener stringers. 2,004,959; June 18.
Moritz-Bennett Corporation. (See Porter, Kenneth W., assignor.)
Morkovski, James, Canton, Ill., assignor to International Harvester Company. Lift mechanism for tractor drawn implement. 2,005,535; June 18.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 2,005,104; June 18.
Morrison, Willard L., Chicago, Ill. Automobile door. 2,005,198; June 18.
Moullin, Eric B., Oxford, England, assignor to Radio Corporation of America. Stabilizing the frequency of a valve generator. 2,005,236; June 18.
Muehlberg, Walter F., Cleveland, Ohio. Determining copper in copper coated wire and the like. 2,005,156; June 18.
Müller, Carl W., Dresden-Weisser Hirsch, Germany. Process and apparatus for the manufacture of cigarettes with a short mouthpiece of wadding, crepe paper, or the like. 2,005,661; June 18.
Müller, Johannes, and M. Müller, Homberg-on-the-Lower-Rhine, assignor to the firm Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany. Purifying natural heavy spar. 2,005,296; June 18.
Müller, Manfred. (See Müller, Johannes and M.)
Muntsel, Frederick H., Boonville, Mo. Agricultural implement. 2,005,044; June 18.
Murray, Ethan F., assignor to Lummus Cotton Gin Company, Columbus, Ga. Adjustable inlet structure for conduits. 2,005,297; June 18.
Murray, Thomas F., Jr., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of cellulose esters. 2,005,383; June 18.
Mussy, René, Hempstead, N. Y. Hair curler. 2,005,662; June 18.
N. V. Philips' Gloielampenfabrieken. (See Houtman, Jacobus M., assignor.)
N. V. Philips' Gloielampenfabrieken. (See van Geel, W. C., and Emmens, assignors.)
Nardulli, Michael J. (See Nardulli, Peter F. and M. J.)
Nardulli, Peter F. and M. J., Chicago, Ill. Machine for cleaning window shades. 2,005,199; June 18.
Nasmith, John W., Manchester, England. Combing machine. 2,005,001; June 18.
National Blank Book Company. (See Schade, Frank S., assignor.)
National Electric Heating Company. (See Carleton, Robert A., assignor.)
National Machinery Company, The. (See Clouse, William L., assignor.)
National Merchandising Company Ltd. (See Margolith, Mordicha, assignor.)
National Metal Edge Box Company. (See Wismer, Linwood, assignor.)
National Process Company. (See Emley, Jay N., assignor.)
National Superior Company, The. (See Faulkner, D. S., Rice, and Zerbe, assignors.)
National Superior Company, The. (See Young, F. J., and Long, assignors.)
National Superior Company, The. (See Zerbe, Lewis E., assignor.)
National Tube Company. (See Bark, W., Schmidt, and Mazurie, assignors.)
National Tube Company. (See Dudley, Wray, assignor.)
National Tube Company. (See Johnston, Harry M., assignor.)
National Tube Company. (See Mahla, W. T., and Mauthe, assignors.)
National Tube Company. (See Wallis, Clarence H., assignor.)
Naum, Harry D., Brooklyn, N. Y. Bottle nipple. 2,005,437; June 18.
Neff, John W., New Rochelle, assignor to M. C. Johnson Company, New York, N. Y. Safety paper. 2,005,105; June 18.
Nelson, Harry W., Brownville, Nebr. Relief attachment for cultivators. 2,005,045; June 18.
Nelson, John, Minneapolis, Minn., and V. C. Norquist, assignors to Butler Manufacturing Company, Kansas City, Mo. Tank closure. 2,005,469; June 18.
Newcomb, Edward R., assignor to The Carborundum Company, Niagara Falls, N. Y. Printing apparatus. 2,005,046; June 18.
Newman, I., & Sons, Inc. (See Cunningham, Katherine E., assignor.)
Niagara Blower Company. (See Bulkeley, Claude A., assignor.)
Nichols, John T., Pittsburgh, Pa. Control operating. 2,005,157; June 18.
Nicolson, Alexander M., New York, assignor to Communication Patents, Inc., New York, N. Y. Combination radio receiver and timepiece. 2,005,158; June 18.
Nodler, Francis X., assignor of one-half to M. Nodler, Arkansas City, Ark. Method and appliance for determining degree of dough fermentation. 2,005,592; June 18.
Nodler, Martha. (See Nodler, Francis X., assignor.)
Norddeutsche Seekabelwerke A.-G. (See Studt, Ernst, assignor.)
Norquist, Victor C. (See Nelson, J., and Norquist.)

Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Coal stoker agitator. 2,005,681; June 18.
Nunes, Manuel A., Santa Clara County, Calif. Ladder. 2,005,384; June 18.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Signaling circuit. 2,005,047; June 18.
O'Brien, R. J., and A. A. Rubin, Paterson, N. J. Sanitary napkin. 2,005,298; June 18.
O'Gorman, Thomas F., Nutley, N. J. Mold for brick-faced blocks. 2,005,200; June 18.
O'Hara, William Y., Waipahu. Outboard motor washer. 2,005,385; June 18.
Ohlis, Julius J. (See Lenke, George H., assignor.)
Ohnesorge, Otto, Bochum, Germany. Rope gearing. 2,005,438; June 18.
Olpin, Henry C. (See Ellis, G. H., and Olpin.)
Olson, Olof R., Kansas City, Mo., and H. L. Mika, Kansas City, Kans.; said Mika assignor to said Olson. Windmill. 2,005,470; June 18.
Onions, Herbert J., and R. E. Sandberg, Warren, Pa., assignors to De Luxe Metal Furniture Company. Shelving. 2,005,593; June 18.
Osgood, George H., Tacoma, Wash. Plywood knockdown box. 2,005,159; June 18.
Otis, Charles M., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Drying tumbler. 2,005,388; June 18.
Otis Elevator Company. (See Graff-Baker, William S., assignor.)
Overell, Walter E., Flintridge, Calif. Machine for removing floor coverings. 2,005,630; June 18.
Owens-Illinois Glass Company. (See Griswold, Hugh T., assignor.)
Pace, Jefferson D., assignor of one-half to O. O. Latimer, Alexandria, La. Pipe coupling. 2,005,631; June 18.
Packard Motor Car Company. (See Krebs, Henry, assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Page, Frank R., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 2,005,632; June 18.
Palm, Albert. (See Helwert, F., and Palm.)
Palmer, Sidney L. (See Fleming, E. P., and Palmer.)
Pape, Wilhelm, Benrath-on-the-Rhine, Germany, assignor, by mesne assignments, to Procter & Gamble Company, Ivorydale, Ohio. Producing high-percentage transparent soaps. 2,005,160; June 18.
Parker, Clark W., Brewster, N. Y., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Coupling means for lubricating systems. 2,005,556; June 18.
Parsons, Fred A., Milwaukee, Wis. Operation of thermionic tubes. 2,005,237; June 18.
Parsons, George K., assignor to Unitor Corporation, Detroit, Mich. Folding standard. 2,005,002; June 18.
Patton, Louis J., and H. J. Terrill, Benton Harbor, Mich. Wheel holder. 2,005,003; June 18.
Peck, George W., Muscatine, Iowa. Farming implement. 2,005,633; June 18.
Peebles, David D., Eureka, Calif. Manufacturing dried food products. 2,005,238; June 18.
Peer Electric Co. Inc. (See Rosen, Joseph, assignor.)
Pelton, George E., Popkins Farms, Fairfax County, Va. Supplying ink to ink transfer members. 2,005,503; June 18.
Pelton, George M., deceased, late of Milwaukee, Wis., by H. W. Knox, Administrator, assignor to The Filer & Stowell Company. Tapering mechanism. 2,005,387; June 18.
Penney, Robert L., Brooklyn, N. Y. Pocket cigarette case and lighter. 2,005,557; June 18.
Penrod, John, Okmulgee, Okla. Valve assembly for well pumps. 2,005,299; June 18.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 2,004,960; June 18.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Link. 2,005,004; June 18.
Perey Manufacturing Company. (See Bacon, D. R., and Downs, assignors.)
Perry Automatic Burner Corporation. (See Schroeder, O. C., and (Perry assignor).)
Perry, Stanley. (See Schroeder, O. C., and Perry.)
Petersen, Eyvind W., Beloit, Wis., and W. A. Singer, assignors to Fairbanks, Morse & Co., Chicago, Ill. Induction machine. 2,005,261; June 18.
Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Pipe vise. 2,005,161; June 18.
Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Pipe vise gripping member. 2,005,162; June 18.
Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Pipe cutter. 2,005,163; June 18.
Peterson, Henry F., Rockford, Ill. Shop instrument. 2,005,106; June 18.
Peterson, Rolland E., Aetna, Ind., assignor to American Sheet and Tin Plate Company. Rolling millwork measuring. 2,005,325; June 18.
Pettman, Albert V., and W. Reed-Lethbridge, Auckland, New Zealand. Wireless apparatus. 2,005,388; June 18.
Pfalzer, Arthur M., Hollywood, Calif. Baffle for loud speakers. 2,005,300; June 18.
Pharma Chemical Corporation. (See Markush, Eugene A., assignor.)
Phillips, Irving M., and P. W. Kalinsey, assignors to Continental Equipment Company, Chicago, Ill. Pump piston lubrication construction. 2,005,107; June 18.
Pilly, Fernand, Lyon, France. Electric drive for looms, weaving machines, and the like. 2,005,663; June 18.
Pieper, Chester R., La Crosse, Wis. Guy anchor. 2,005,239; June 18.
Pier, Mathias. (See Krauch, C., and Pier.)
Pierce, Arthur G., Quincy, assignor to Atlantic Register Company, Waltham, Mass. Aligning device for manifolding typewriters. 2,005,693; June 18.
Pierce, Jeremiah A. (See Connolly, G. C., and Pierce.)
Pierce, John B., Foundation. (See Davison, Robert L., assignor.)
Pietzsch, Frank H. (See Campbell, S. H., and Pietzsch.)
Pilcher, Charles F., St. Louis, Mo. Motor vehicle transmission control. 2,005,389; June 18.
Pilger, Emil F., assignor to Snap-On Tools, Inc., Kenosha, Wis. Universal joint. 2,005,202; June 18.
Pittaluga, Stefano, San Leandro, Calif. Fruit and vegetable juice filling machine. 2,005,471; June 18.
Pittsburgh Plate Glass Company. (See McLeod, John D., assignor.)
Pittsburgh Steel Drum Company. (See Jesser, Albert E., assignor.)
Platinum Products Corporation. (See Schmitt, George P., assignor.)
Platt, Haviland H., New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa. Aircraft. 2,004,961; June 18.
Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Variable inductance device. 2,005,203; June 18.
Pool, Esson J., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Separable electrical contact device. 2,005,682; June 18.
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Shuttleless loom and thread measuring and cutting mechanism therefor. 2,005,390; June 18.
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Shuttleless loom and weft-selecting mechanism therefor. 2,005,391; June 18.
Porcelain Tile Corporation. (See Marsh, H., and Chesney, assignors.)
Porous Rubber Products Trust. (See Behrman, Abraham S., assignor.)
Porter, Kenneth W., assignor to Moritz-Bennett Corporation, Effingham, Ill. Road grading machine. 2,005,683; June 18.
Post, Edwin M., Jr., assignor to International Motor Company, New York, N. Y. Apparatus for hydrating air in refrigerating mechanisms. 2,005,558; June 18.
Potter, William W. (See Chase, Raymond H., assignor.)
Potterf, Edward C., Notl, Oreg. Inclinometer. 2,005,634; June 18.
Poynter, Ralph R., Lebanon, Ind. Lawn mower. 2,005,204; June 18.
Pratt & Whitney Company. (See Shaw, Robert D., assignor.)
Praditzsch, Richard, Hamburg, Germany. Pump for automatic periodically working gas analysers. 2,005,504; June 18.
Pratt & Whitney Company. (See Shaw, Robert D., assignor.)
Premier-Pabst Corporation. (See Jones, Les., assignor.)
Pressed Steel Car Company. (See Dixon, Harold C., assignor.)
Pressentin, Herbert G., Madison, Wis. Razor. 2,005,164; June 18.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Stoker drive mechanism. 2,005,005; June 18.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Drive mechanism for mechanical stokers. 2,005,006; June 18.
Procter & Gamble Company. (See Pape, Wilhelm, assignor.)
Pudelko, Riccard, Zug, assignor to Landis & Gyr, A.-G. Recording meter. 2,005,108; June 18.
Rabald, Erich. (See Johannessohn, F., and Rabald.)
Radio Corporation of America. (See Batsel, Max C., assignor.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See Farnham, P. O., and Asserson, assignors.)
Radio Corporation of America. (See Gowen, R. F., and Bradford, assignors.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Moullin, Eric B., assignor.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Metal frames for constructing building boards. 2,005,301; June 18.
Rafter Machine Company. (See Rafter, Albert, assignor.)

Randall, Martin H., Beach Bluff, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 2,005,048; June 18.
Randolph, Charles P., Oak Park, assignor to Edison General Electric Appliance Company, Chicago, Ill. Electric toaster. 2,005,635; June 18.
Raney, Marion H., Flushing, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package and parts thereof. 2,005,349; June 18.
Rare Chemicals, Inc. (See Johannessohn, F., and Rabald, assignors.)
Ray, William A., San Francisco, Calif., assignor to General Controls Co. Slow-opening valve. 2,005,266; June 18.
Reconstruction Finance Corporation. (See Meyercord, George R., assignor.)
Redding Marble Company, The. (See Klotz, Henry O., assignor.)
Reed, Carl R., and A. Rubin, assignors to Hussmann-Ligonier Company, St. Louis, Mo. Slicing machine. 2,005,108; June 18.
Reed-Lethbridge, William. (See Pettman, A. V., and Reed-Lethbridge.)
Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
Rehder, Christian, Kiel-Gaarden, Germany. Pipe flange connection. 2,005,267; June 18.
Reid, Andrew D. (See Kuhn, A., and Heitman, assignors.)
Remus, William Frank, Pembroke, Ontario, Canada. Combination snowplow. 2,005,392; June 18.
Reuter, Baptist, Krailling-Planegg, Germany. Producing 1-phenyl-2,3-dimethyl-5-pyrazolone. 2,005,505; June 18.
Reuter, Baptist, Krailling-Planegg, Germany. Producing 4-dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolone. 2,005,506; June 18.
Reynolds Electric Company. (See Laib, William L., assignor.)
Rheinische Metall waaren- und Maschinenfabrik. (See Schlafer, Valentin, assignor.)
Rice, Allen E. (See Faulkner, D. S., Rice, and Zerbe.)
Rice, Charles D., West Hartford, Conn. Railway car body. 2,005,165; June 18.
Rice, Trew & Rice Co. Inc. (See Trew, James W., assignor.)
Richter, Robert, assignor to Carl Zeiss, Jena, Germany. Optical system for instruments reproducing sounds with the aid of light. 2,005,240; June 18.
Rick, Edward, and J. Bonnie, Fresno, Calif. Locking means for distributors. 2,005,393; June 18.
Rickwood, Henry J., assignor to Trojan Limited, Croydon, England. Centrifugal clutch. 2,005,350; June 18.
Rick-wiL Company, The. (See Gottwald, C., and Hawgood, assignors.)
Ric-wiL Company, The. (See Gottwald, Christian, assignor.)
Ric-wiL Company, The. (See Spackman, Morton L., assignor.)
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic photographic shutter. 2,005,394; June 18.
Ridgway, Carl E., Seattle, Wash. Liner for fruit boxes. 2,005,594; June 18.
Riley Engineering & Supply Co. Ltd. (See Allin, Matthew C., assignor.)
Riley Stoker Corporation. (See Blodgett, Albert G., assignor.)
Ritzert, Robert W., assignor to Rolin Manufacturingg Company, Dayton, Ohio. Writing implement. 2,005,110; June 18.
Rix, Milton H., Three Rivers, Mich., assignor to Fairbanks, Morse & Company, Chicago, Ill. Connecting tubular members. 2,005,205; June 18.
Roberts, Raleigh R., Redlands, Calif. Automatic bookmarker. 2,005,559; June 18.
Roberts, Samuel S., Pittsburgh, Pa. Lubrication system. 2,005,166; June 18.
Robinson, Carl I., Chicago, Ill. Game practice means. 2,005,241; June 18.
Rockwell, Edward A., Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 2,005,206; June 18.
Roeder, Clyde A., Omaha, Nebr. Change speed transmission. 2,005,167; June 18.
Rogers, John C., assignor to Crown Stove Works, Cicero, Ill. Gas stove. 2,005,242; June 18.
Rogers, John C., assignor to Crown Stove Works, Cicero, Ill. Gas burner. 2,005,560; June 18.
Rolin Manufacturing Company. (See Ritzert, Robert W., assignor.)
Rollins, Grace D., New Rochelle, and E. H. Dobbs, Larchmont, N. Y. Cap. 2,005,361; June 18.
Romane, Georges, St. Mande, France. Apparatus for making imitation astrakhan fur. 2,005,049; June 18.
Ronning, Adolph, Minneapolis, Minn. Power operated control mechanism. 2,005,243; June 18.
Roome, Frank A., and H. W. Haffter, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,005,595; June 18.
Roscoe, Merrill W., Batavia, and C. F. Crumb, Chicago, Ill., assignors to International Harvester Company. Feed control for hammer mills. 2,005,561; June 18.
Rose, George H., Cleveland Heights, Ohio. Rolling mill. 2,005,168; June 18.
Rosebrook, Homer E. (See Touborg, J., and Rosebrook.)
Rosen, Joseph, Brooklyn, assignor to Peer Electric Co. Inc., Long Island City, N. Y. Electrical switch. 2,005,207; June 18.
Rosenblatt, Irving S., San Francisco, Calif. Package wrapper. 2,005,351; June 18.
Ross, William J., Tarrant, Ala. Portable hoist. 2,005,050; June 18.
Rothfeld, Charles W., Philadelphia, Pa. Food preparing device. 2,005,395; June 18.
Rowe, Alvin V., Galesburg, Ill. Bale tie. 2,005,472; June 18.
Rowe, Andrew R., Midland, Pa. Casting metal ingots. 2,005,169; June 18.
Rubin, Abraham A. (See O'Brien, R. J., and Rubin.)
Rubin, Adolph. (See Reed, C. S., and Rubin.)
Rubin, Norbert C., assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio. Mechanical movement. 2,005,051; June 18.
Rubin, Norbert C., assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio. Cut-off machine. 2,005,052; June 18.
Russell, William E., and E. R. Lyon, Cumberland, Md. Antislipping cane. 2,005,507; June 18.
Rustless Iron Corporation of America. (See Arness, William R., assignor.)
Ritter, Rudolf, Cologne-Deutz, Germany. Treatment of flour. 2,005,268; June 18.
Ruth Company, The. (See Ruth, Joseph P., assignor.)
Ruth, Joseph P., assignor to The Ruth Company, Denver, Colo. Locomotive. 2,005,562; June 18.
Ryan, John J. (See Janda, Anna J., assignor.)
Sachs, Joseph, West Hartford, Conn. Electric switch. 2,005,684; June 18.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 2,005,685; June 18.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 2,005,686; June 18.
Sachs, Joseph, West Hartford, Conn. Current responsive element and manufacture therefor. 2,005,687; June 18.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 2,005,688; June 18.
Sachtlehen Aktiengesellschaft für Bergbau und Chemische Industrie. (See Müller, Johannes and M., assignors.)
Sagar, Harold, Whitworth, E. VanWeyenbergh, Rochdale, and R. O. Jones, Manchester, assignors to Breda-Visada Limited, Littleborough, England. Manufacture of viscose artificial silk. 2,005,664; June 18.
Saignier, Etienne, Paris, France. Opening containers of all kinds. 2,005,665; June 18.
St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
Sanchez, Richard F., and B. M. Zullo, Brooklyn, N. Y. Automatic machine tool assembly. 2,005,563; June 18.
Sandberg, Robert E. (See Onions, H. J., and Sandberg.)
Sanden, Arthur G., Bellingham, Wash. Air-jet propelled conveyance. 2,005,473; June 18.
Sandler, Jacob, Brookline, Mass. Shoe. 2,005,007; June 18.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Car wheel. 2,005,302; June 18.
Scanlan, Joseph M., Great Neck, assignor to G & G Atlas Systems, Inc., New York, N. Y. Carrier system. 2,005,396; June 18.
Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Rug holder. 2,005,638; June 18.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Combined fly-strip and ruler for ring binders. 2,005,474; June 18.
Schaer, Charles, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Fuel injection pump. 2,005,008; June 18.
Schalscha, Max, Summit, N. J. Pile driving apparatus. 2,005,564; June 18.
Scharf, Frank W., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill. Electric iron. 2,004,962; June 18.
Scharf, Frank W., assignor to McGraw Electric Company, Chicago, Ill. Thermostatic switch and mounting for same. 2,004,963; June 18.
Scheibell, Gordon B., Newark, N. J. Sound reproduction projector. 2,005,596; June 18.
Schermerhorn, George D., Reading, Mich. Chair construction. 2,005,565; June 18.
Scheu Products Company Limited. (See Scheu, Willis L., assignor.)
Scheu, Willis L., assignor to Scheu Products Company Limited, Ontario, Calif. Flame stabilizing attachment for orchard heaters. 2,005,009; June 18.
Schidrowitz, Philip, London, England, assignor, by mesne assignments, to Filastic Holding S. A., Binningen, near Basel, Switzerland. Impregnation of textile materials. 2,005,637; June 18.
Schildknecht, Heinrich, Gaggenau, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Clutch operating mechanism. 2,005,269; June 18.
Schindler, Walter R., Los Angeles, Calif. Machine for making plant protectors. 2,005,326; June 18.
Schläfer, Valentin, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Fuse for projectiles and particularly for small caliber high explosive projectiles. 2,005,053; June 18.

Schlesinger, Harry, assignor to Cleaners Appliance Company, Des Moines, Iowa. Hat cleaning device. 2,005,327; June 18.
Schmid, Karl, Reutlingen, assignor to the firm Vereinigte Metalltuch-Fabriken Peter Villforth, Reutlingen, Germany. Process and apparatus for the manufacture of wire gauze. 2,005,270; June 18.
Schmidt, Edward F., Spokane, Wash. Electrical connecter. 2,005,475; June 18.
Schmidt, John H. (See Bark, W., Schmidt, and Mazurie.)
Schmidt, Wilhelm, Berlin, Germany. Vaporizer. 2,005,244; June 18.
Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket making machine and method. 2,005,439; June 18.
Schmitt, George P., New York, N. Y., assignor to Cardinal Products, Inc. Lighter. 2,005,476; June 18.
Schmitt, George P., New York, N. Y., assignor to The Glolite Corporation. Lighter. 2,005,477; June 18.
Schmitt, George P., New York, N. Y., assignor to Platinum Products Corporation. Lighter. 2,005,478; June 18.
Schmohl, Alfred C., Beaver Falls, and J. P. Anderson, Koppel, Pa. Lock lid for journal boxes. 2,005,479; June 18.
Schroeder, Oscar C., and S. Perry; said Perry assignor to Perry Automatic Burner Corporation, Chicago, Ill. Oil combustion apparatus. 2,005,639; June 18.
Schuchat, Jonas, Chicago, Ill. Wrapping. 2,005,208; June 18.
Schumacher, Elmer L. (See Messner, Arthur J., assignor.)
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of strengthened absorptive paper. 2,005,397; June 18.
Schwabe, Edwin J., New York, N. Y. Folding caddy wagon. 2,005,568; June 18.
Schwarzmann, Wolfgang E. (See Wild, J. E., Hogeman, and Schwarzmann.)
Schwerdtel, Fritz. (See Konrad, E., and Schwerdtel.)
Sciarini, Edmund M., Modesto, Calif. Bean cutter. 2,005,440; June 18.
Scott & Williams, Incorporated. (See Page, Frank R., assignor.)
Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Hand seamer for cans. 2,005,640; June 18.
Seeman Brothers, Inc. (See Ensko, Robert, assignor.)
Segelhorst, George, Stowe, Ohio. Traffic marker. 2,005,170; June 18.
Segelin, David and S., Rochester, N. Y. Crease holding means for garments. 2,005,480; June 18.
Segelin, Solomon. (See Segelin, David and S.)
Sharp, Lewis. (See Whitlock, R. G., and Sharp.)
Sharples Specialty Company. (See Jones, L. D., and James, assignors.)
Shaw, Burt J., assignor to Fashion Park Manufacturing Corporation, Rochester, N. Y. Cloth shrinking machine. 2,005,352; June 18.
Shaw, Robert D., assignor to Pratt & Whitney Company, Hartford, Conn. Screeding machine. 2,005,508; June 18.
Shaw, Robert D., assignor to Pratt & Whitney Company, Hartford, Conn. Electrically operated lathe. 2,005,509; June 18.
Shearer, William J., Elmhurst, N. Y. Electrical connecter. 2,005,441; June 18.
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Amplifier. 2,005,111; June 18.
Siler, Edward H., assignor to The Lawrence Paper Company, Lawrence, Kans. Container. 2,005,597; June 18.
Silica Gel Corporation, The. (See Connolly, G. C., and Pierce, assignors.)
Simplex Wire & Cable Company. (See Boggs, Charles R., assignor.)
Singer Manufacturing Company, The. (See Eames, George M., assignor.)
Singer Manufacturing Company, The. (See Hertz, Hjalmar, assignor.)
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Singer, William A. (See Peterson, E. W., and Singer.)
Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Tandem power press. 2,005,171; June 18.
Skoogh, Harry L., assignor of one-half to B. Anderson, Jamestown, N. Y. Folding table. 2,005,481; June 18.
Slager, John C. (See Johnston, H. L., and Slager.)
Sliger, Oscar, St. Louis, Mo., assignor to The Mengel Company, Louisville, Ky. Crate fastener. 2,005,272; June 18.
Sloane, William W., Chicago, Ill., assignor, by mesne assignments, to Lima Locomotive Works, Incorporated, Lima, Ohio. Hydraulic power shovel. 2,005,482; June 18.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeder head for shaker or jigging conveyers. 2,005,567; June 18.
Smelker, Le Roy, assignor to The Dayton Accessories Manufacturing Company, Dayton, Ohio. Vehicle seat. 2,005,112; June 18.
Smiley, Orvall, Indianapolis, Ind. Product for treating bitumens. 2,005,113; June 18.
Smith, Albert K. (See Hampton, L. N., and Smith.)
Smith, August L., Harrison, N. Y. Device for introducing dry granular materials into the soil. 2,005,598; June 18.
Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Hand grill. 2,005,010; June 18.
Smith, David A. (See Miller, C. A., and Smith.)
Smith, Harris A. (See Hall, F. W., and Smith.)
Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Tractor mounted cultivator. 2,005,568; June 18.
Smith, John K., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes. 2,005,054; June 18.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Loading device. 2,005,666; June 18.
Smith, Lee B. (See Bond, H. A., and Smith.)
Smith, Roy M., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Continuous carrier relaying. 2,005,172; June 18.
Smith, Sydney, assignor to Wellman Seaver Rolling Mill Co. Ltd., London, England. Push bench guide. 2,005,328; June 18.
Smith, William J., Ridgefield Park, N. J. Shoulder strap holder. 2,005,569; June 18.
Smith, William J., Ridgefield Park, N. J. Shoulder strap holder. 2,005,570; June 18.
Snap-On Tools, Inc. (See Pilger, Emil F., assignor.)
Snead & Company. (See Macdonald, Angus S., assignor.)
Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Automatically threading shuttle. 2,005,636; June 18.
Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Power transmitting mechanism. 2,005,519; June 18.
Snyder, Gustavus W. (See Macourek, Jerry F., assignor.)
Spackman, Morton L., assignor to The Ric-wiL Company, Cleveland, Ohio. Conduit construction. 2,005,701; June 18.
Specht, Sigfrid, Fieldston, assignor to Ferrous Magnetic Corporation, New York, N. Y. Magnetic testing apparatus and method. 2,005,011; June 18.
Speck, Roy E. (See Kindle, F., and Speck.)
Speer, Walter. (See Flemming, W., and Speer.)
Spezzano, Frank M., Bristol, Pa. Handle fastening device. 2,005,353; June 18.
Spiegl, Ellis H., Salinas, Calif. Conveyer. 2,005,442; June 18.
Spiegler, Louis, and H. R. Lee, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of cellulose derivatives. 2,005,303; June 18.
Spitzer, Benjamin L., and A. Benko, New York, N. Y. Dental model. 2,005,114; June 18.
Sprague, Robert C., and J. F. McCann, Williamstown, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,005,055; June 18.
Sprague-Sells Corporation. (See Weiss, Wenzel F., assignor.)
Sprague Specialties Company. (See Sprague, R. C., and McCann, assignors.)
Sprinkel, Paul E., Baltimore, Md. Combined shade roller and curtain rod support. 2,005,012; June 18.
Squibb, E. R., & Sons. (See Lee, John, assignor.)
Squibb, E. R., & Sons. (See Westgate, R. S., and Behr, assignors.)
Stalle, Albert P. (See Dawson, Sidney, assignor.)
Stalle, Eloise R., administratrix. (See Dawson, Sidney, assignor.)
Standard-I. G. Company. (See Krauch, C., and Pier, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company of California. (See Cronin, James A., assignor.)
Standard Sanitary Manufacturing Company. (See Boyd, Robert C., assignor.)
Standard Ticket Games Corporation. (See Kirk, C. R., and Collison, assignors.)
Stanitz, Jacques, and G. D. Boyer, assignors to The Youngstown Pressed Steel Company, Warren, Ohio. Sheet metal receptacle. 2,005,641; June 18.
Stanley, Herbert M. (See Joshua W. P., and Stanley.)
Stanley Works, The. (See Higbee, Earl V., assignor.)
Stanley Works, The. (See Volz, Frederick A., assignor.)
Star Box & Printing Co. (See DeLuce, Robert E., assignor.)
Starline, Inc. (See Ferris, Robert G., assignor.)
Staud, Cyril J. (See Murray, T. F., Jr., and Staud.)
Staud, Cyril J., Rochester, N. Y., and J. D. Coleman, Columbus, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Esterification of cellulose with a modified perchloric acid catalyst. 2,005,398; June 18.
Steele, Walter R., Lemon Grove, Calif. Harmonica. 2,005,443; June 18.
Steinbrenck, Adolf, assignor to Merz & Co., Frankfort-on-the-Main, Germany. Stable solution of morphine. 2,005,667; June 18.
Stephens, Joseph F., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Pipe coupling. 2,005,056; June 18.

Stephenson, William B. (See Irsch, G. J., and Stephenson.)

Sterling, Ernst, Magdeburg, Germany. Apparatus for the tailoring trade for reproducing the shape of the body of the customer. 2,005,399; June 18.

Stevens Metal Products Company, The. (See Thompson, Edward D., assignor.)

Still, Andrew L., Los Angeles, Calif. Refrigerating method and apparatus. 2,005,354; June 18.

Stoehrer, Harold, Manatee, Fla., and F. L. Markey, Exeter, N. H., assignors to Dodgem Corporation, Lawrence, Mass. Amusement apparatus. 2,005,400; June 18.

Stoll, Arthur, and E. Wiedemann, assignor to Chemical Works Formerly Sandos, Basel, Switzerland. Basic derivatives of porphins and metalloporphins and their manufacture. 2,005,511; June 18.

Stora, Leon A., Worcester, Mass. Golf club. 2,005,401; June 18.

Stover, Russell, Kansas City, Mo. Packaged confection. 2,005,245; June 18.

Stricker, William, Kansas City, Mo. Automatic food molding and wrapping machine. 2,005,599; June 18.

Strouse, George C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N[para-(beta-naphthylamino) phenyl] morpholine and its production. 2,005,571; June 18.

Studt, Ernst, assignor to Norddeutsche Seekabelwerke A.-G., Nordenham, Germany. Submarine signaling cable. 2,005,273; June 18.

Stuntebeck, Alois J. (See Stuntebeck, John A., assignor.)

Stuntebeck, John A., assignor to A. J. Stuntebeck, St. Gregor, Saskatchewan, Canada. Shower bath structure. 2,005,246; June 18.

Sturtevant, B. F., Company. (See Ferre, Albert W., assignor.)

Stutz, John C., Kansas City, Mo. Golf ball washer and drier. 2,005,115; June 18.

Sucky, Rudolph R., E. F. McGonigal, and E. Bargar, Blaine, Ohio. Gear shift lever switch. 2,005,483; June 18.

Sugden, Walter J. (See Drysdale, William D., assignor.)

Sukumlyn, Thomas W., Los Angeles, Calif. Electron emission device. 2,005,330; June 18.

Sulzer Freres Societe Anonyme. (See Schaer, Charles, assignor.)

Summers, Otto M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,005,057; June 18.

Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)

Superior Steel Corporation. (See Frost, Frank R., assignor.)

Supreme Instruments Corporation. (See Fausett, Floyd, assignor.)

Surface Combustion Corporation. (See Branche, Nelson T., assignor.)

Talbot, Stanley E., London, England. Head lamps incorporating glare-preventing devices. 2,005,058; June 18.

Tamplin, William C., Pittsburgh, Pa., assignor to American Sheet and Tin Plate Company. Apparatus for shipping metal. 2,005,117; June 18.

Tanning Process Company, The. (See Connor, John H., assignor.)

Tappen, Alexander B., Briarcliff Manor, assignor to The Cooling Tower Co. Inc., New York, N. Y. Distributor nozzle. 2,005,600; June 18.

Taylor, Charles W. (See Karsel, W., and Taylor.)

Taylor, George J., Cleveland, Ohio. Keyhole illuminating device. 2,005,274; June 18.

Taylor, John C., et al. (See Burriss, Oliver G., assignor.)

Tedham, William F., London, assignor to Electric and Musical Industries Limited, Hayes, England. Light sensitive apparatus. 2,005,059; June 18.

Tefft, Ralph F. (See McGavack, J., and Tefft.)

Ter Horst, William P., Bay Village, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Pickling of ferrous metals. 2,005,601; June 18.

Terrill, Horace J. (See Patton, L. J., and Terrill.)

Teves, Alfred, Frankfort-on-the-Main, Germany. Evaporator for refrigeration machines. 2,005,013; June 18.

Texas Company, The. (See Armistead, G., and Ulrich, assignors.)

Texas Company, The. (See Hall, Frank W., assignor.)

Texas Company, The. (See Hall, F. W., and Smith, assignors.)

Texas Company, The. (See McMillan, Wallace A., assignor.)

Texas Company, The. (See Weir, James W., assignor.)

Textile Machine Works. (See Bitzer, Gottlob, assignor.)

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Thimann, Max, Cologne-Braunsfeld, assignor to firm Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H., Loevenich, near Cologne, Germany. Shellac solution for the production of etched photographic printing forms and preparing it. 2,005,060; June 18.

Thomas, Frank W., Lincoln Place, Pa. Airplane control. 2,005,061; June 18.

Thomas, Thomas A. W., Los Angeles, Calif. Insulator for storage battery plates. 2,005,275; June 18.

Thompson-Allen, Aubrey. (See Willis, H., and Thompson-Allen.)

Thompson, Edward D., Warren, assignor to The Stevens Metal Products Company, Niles, Ohio. Insulated metallic container. 2,005,247; June 18.

Thompson, Edward D., Warren, assignor to The Stevens Metal Products Company, Niles, Ohio. Metallic receptacle. 2,005,248; June 18.

Thomson, Frederick, Port Huron, Mich. Combination fountain and bird bath. 2,005,602; June 18.

Thorin, Harry, Monson, Mass. Glazier's points. 2,005,484; June 18.

Thornton, Harry A., Elkhart, Ind. Combined closing and outlet cap for collapsible tubes. 2,005,642; June 18.

Thrine, Emily, Battle Creek, Mich. Tool chest and spare wheel carrier for automobiles. 2,005,604; June 18.

Tichota, Vencel J., Dodge, Nebr. Draft equalizer. 2,005,525; June 18.

Tidmarsh, George P. and P. M., Tucson, Ariz. System for conditioning air. 2,005,276; June 18.

Tidmarsh, Patrick M. (See Tidmarsh, G. P. and P. M.)

Tierney, Thomas P., Jr., Montgomery, N. Y. Flower cutter. 2,005,355; June 18.

Tietig, Chester, Los Angeles, Calif. Exhaust gas purifier. 2,005,249; June 18.

Tondreau, Albert W., Hollywood, Calif., assignor to Warner Brothers Pictures, Inc., New York, N. Y. Focusing device for a motion picture camera. 2,005,014; June 18.

Toohey, Edward A., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Article of manufacture. 2,005,304; June 18.

Toohey, Edward A., and A. Hughes, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Heat insulating material and waterproofing same. 2,005,356; June 18.

Touborg, Jens, and H. E. Rosebrook, assignors to Gibson Electric Refrigerator Corporation, Greenville, Mich. Evaporator. 2,005,277; June 18.

Traudt, William F., Buffalo, N. Y. Apparatus for washing or treating materials. 2,005,015; June 18.

Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 2,005,402; June 18.

Trimble, Homer L., Cleveland Heights, Ohio. Display container. 2,005,278; June 18.

Trojan Limited. (See Rickwood, Henry J., assignor.)

Twemlow, Edwin. (See Whittle, R. W., and Twemlow.)

Tyler, W. S., Company, The. (See Wettlaufer, William L., assignor.)

Ullrich, Walter. (See Armistead, G., and Ullrich.)

United American Bosch Corporation. (See Mayer, Carl A., assignor.)

United American Bosch Corporation. (See Wild, J. E., Hogeman, and Schwarzmann, assignors.)

United-Carr Fastener Corporation. (See Chaffee, Raymond O., assignor.)

United-Carr Fastener Corporation. (See Jones, Walter L., assignor.)

United-Carr Fastener Corporation. (See Walters, Rollo F., assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)

United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United Shoe Machinery Corporation. (See Randall, Martin H., assignor.)

United Shoe Machinery Corporation. (See Smith, John K., assignor.)

United States Envelope Company. (See Becker, Peter, assignor.)

United States Gypsum Company. (See Vass, Michael G., assignor.)

United States Rubber Company. (See McGavack, J., and Tefft, assignors.)

Unitor Corporation. (See Parsons, George K., assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)

Universal Postal Frankers, Limited. (See Kalman, Marton, assignor.)

Valvoline Oil Company. (See Miller, C. A., and Smith, assignors.)

Van Buskirk, Lesher W., Easton, Pa. Digging tooth. 2,005,016; June 18.

Vandiver, E. P., et al. (See Burriss, Oliver G., assignor.)

Van Geel, Willem C., and H. Emmens, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrical condenser. 2,005,279; June 18.

Van Weyenbergh, Emile. (See Sagar, H., Van Weyenbergh, and Jones.)

Varley, Thomas W., New York, N. Y. Telephone time-announcing system. 2,005,357; June 18.

Vass, Michael G., Maywood, assignor to United States Gypsum Company, Chicago, Ill. Building arch construction. 2,005,572; June 18.

Vereinigte Metalltuch-Fabriken Peter Villforth. (See Schmid, Karl, assignor.)

Vicars, T. and T., Limited. (See Marsden, Leonard, assignor.)

Victor Adding Machine Company. (See Garbell, Max, assignor.)

Victor Chemical Works. (See Adler, H., and Woodstock, assignors.)

Vinz, Alfred O., Beaver Dam, Wis. Oil treatment of coal. 2,005,512; June 18.

Virginia-Carolina Chemical Corporation. (See Genz, Frederick W., assignor.)

Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Collable measuring rule. 2,005,608; June 18.

Von Segebaden, Ernst S. D., assignor to Aktiebolaget Formator, Stockholm, Sweden. Device for continuous compressing and drying of cigar bunches. 2,005,280; June 18.

Voorhees, Vendeveer, Hammond, assignor to Standard Oil Company, Whiting, Ind. Conversion process. 2,005,118; June 18.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Process and bath for pickling metals. 2,005,605; June 18.

Voshikian, Peter S. and T. S., Philadelphia, Pa., assignors to Keystone Tool Manufacturing Company. Hedge shears. 2,005,694; June 18.

Voshikian, Thomas S. (See Voshikian, Peter S. and T. S.)

Wagner, Charles L. (See Hunicke, C. C., and Wagner.)

Wagner Electric Corporation. (See Dick, Burns, assignor.)

Wagner, Frederick H., Baltimore, Md., assignor to The Bartlett Hayward Company. Dust collector. 2,005,305; June 18.

Wagner, Frederick P., assignor of one-half to A. J. Brauer, St. Louis, Mo. Shoe. 2,005,071; June 18.

Wagner, Gerritt, Orange City, Iowa. Piston. 2,005,702; June 18.

Walker, Brooks, Piedmont, Calif. Vehicle lifting and traversing device. 2,005,173; June 18.

Wall, Byron T., Raymond, Alberta, Canada. Safety ash tray. 2,005,606; June 18.

Wallis, Clarence H., Ellwood City, Pa., assignor to National Tube Company. Making tubes. 2,005,306; June 18.

Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making upholstery panels and applying fasteners thereto. 2,005,669; June 18.

Warfield, Gordon, Baltimore, Md. Automobile safety appliance. 2,005,281; June 18.

Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)

Warner Bros. Pictures, Inc. (See Koenekamp, Hans F., assignor.)

Warner Brothers Pictures, Inc. (See Tondreau, Albert W., assignor.)

Wasserman, Jacob. (See Cohen, S. H., and Wasserman.)

Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Facsimile telegraph system. 2,005,017; June 18.

Watson, Richard M., Detroit, Mich. Loose leaf binder. 2,005,573; June 18.

Weaver, Harry C., San Gabriel, assignor of one-half to D. Grattan, Los Angeles, Calif. Spring suspension mechanism for vehicles. 2,005,513; June 18.

Weaver-Wall Company, The. (See Gibson, John H., assignor.)

Weir, James W., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Dewaxing oils. 2,005,062; June 18.

Weiss, Arthur J. (See Franzen, E. T., and Weiss.)

Weiss, Carl W., Brooklyn, N. Y. Transmission. 2,005,444; June 18.

Weiss, Samuel, Brooklyn, N. Y. Tag-fastener and guide therefor. 2,005,119; June 18.

Weiss, Wenzel F., San Jose, Calif., assignor to Spragueselis Corporation, Hoopeston, Ill. Exhaust box. 2,005,282; June 18.

Wellman Seaver Rolling Mill Co. Ltd. (See Smith, Sydney, assignor.)

Wells, Albert C., Chicago, Ill. Pencil. 2,005,485; June 18.

Wemp, Ernest E., Detroit, Mich. Driving mechanism and clutch. 2,005,250; June 18.

Wender, Eugen, Sinsheim (Elsenz), Germany. Combined gas and liquid shut-off device for gas heated liquid heaters. 2,005,403; June 18.

Werner, Bertram, et al. (See Boobarin, Leo Y., assignor.)

West, Donald H., Marlboro, and K. C. Monroe, Hudson, assignors to The Lapointe Machine Tool Company, Hudson, Mass. Hydraulic actuating mechanism for planers. 2,005,018; June 18.

Western Electric Company. (See Dowd, Archie J., assignor.)

Western Electric Company. (See Kocl, Ludvik J., assignor.)

Western Electric Company. (See McCoy, Clarence E., assignor.)

Western Electric Company. (See Roome, F. A., and Haffter, assignors.)

Western Railway Equipment Company. (See Campbell, S. H., and Pletzsch, assignors.)

Westgate, Ralph S., Bloomfield, N. J., and H. C. A. Behr, York, Pa., assignors to E. R. Squibb & Sons, New York, N. Y. Making container seals. 2,004,964; June 18.

Westinghouse Electric & Manufacturing Company. (See Dickson, John, assignor.)

Westinghouse Electric & Manufacturing Company. (See Evans, R. D., and Lewis, assignors.)

Westinghouse Electric & Manufacturing Company. (See Griscom, Samuel R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Klemmer, Edward H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Langguth, Paul O., assignor.)

Westinghouse Electric & Manufacturing Company. (See Langguth, P. O., and Lewis, assignors.)

Westinghouse Electric & Manufacturing Company. (See Le Vesconte, L. B., and Klemmer, assignors.)

Westinghouse Electric & Manufacturing Company. (See Le Vesconte, Lester B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lewis, William A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Smith, Roy M., assignor.)

Wettlaufer, William L., Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio. Machine for treating gravel, sand and like materials. 2,004,965; June 18.

Whetzel, Joshua C., and R. E. Zimmerman, Pittsburgh, Pa., assignors to American Sheet and Tin Plate Company. Recovering salts and other compounds. 2,005,120; June 18.

Whitaker, Harry South Barre, Mass. Cleaning device for gill-box fallers. 2,005,209; June 18.

White, Frank L. (See Brooker, L. G. S., and White.)

White, Reginald H., Toronto, Ontario, Canada. Safety blade sharpener. 2,005,210; June 18.

Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)

White Motor Company, The. (See Church, Harold D., assignor.)

Whitlock, Ralph G., Los Angeles, and L. Sharp, Huntington Park, Calif., assignors to Federal Foundation, Inc., Las Vegas, Nev. Conduit cap. 2,004,966; June 18.

Whitlock, Ralph G., Los Angeles, and L. Sharp, Huntington Park, Calif., assignors to Federal Foundation, Inc., Las Vegas, Nev. Conduit cap. 2,005,211; June 18.

Whittle, Reginald W., Urmston, and E. Twemlow, Sandbach, England. Change speed gearing. 2,005,514; June 18.

Wickersham, Elmer E., Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Threshing. 2,005,212; June 18.

Wiedemann, Erwin. (See Stoll, A., and Wiedemann.)

Wiedhofft, Alfred H., Chicago, Ill. Regulator. 2,005,445; June 18.

Wild, Julius E., H. Hogeman, Springfield, and W. E. Schwarzmann, Longmeadow, assignors to United American Bosch Corporation, Springfield, Mass. Operating internal combustion engines. 2,005,063; June 18.

Wilder, John, assignor to Wilder Metal Company, Niles, Ohio. Deflector for gas stoves, or the like. 2,005,121; June 18.

Wilder Metal Company. (See Wilder, John, assignor.)

Wilkening, Frederick W. (See Platt, Haviland H., assignor.)

Williams, Gershom G., La Jolla, Calif. Electric tubing connecter. 2,005,174; June 18.

Williams, Philip H., Spokane, Wash., assignor to Ideal Hose Coupling Company, Coeur d'Alene, Idaho. Hose coupling. 2,004,967; June 18.

Williams, Thomas D., Garfield Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Apparatus for coating metal strips. 2,005,307; June 18.

Willis, Henry, and A. Thompson-Allen, London, England. Swell louver action for organs. 2,005,643; June 18.

Willis, Martin. (See Dorn, R., and Willis.)

Wilmington Trust Co., executor et al. (See Wuertz, A. J., and Bishop.)

Wilson Box (Foreign Rights) Limited. (See Wilson, Edward B., assignor.)

Wilson, Edward B., Westminster, assignor to Wilson Box (Foreign Rights) Limited, London, England. Brake operating mechanism. 2,005,284; June 18.

Wilson, Guy W., Erie, Pa., assignor to General Electric Company. Electric generator system. 2,005,486; June 18.

Wilson, Thomas C., Incorporated. (See Bagnoli, O. J., Wilson, and Young, assignors.)

Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)

Winkler, Joseph F., Philadelphia, Pa. Fluid conditioning device. 2,005,515; June 18.

Winland, Henry A., assignor to G. H. Alten, doing business as Alten's Foundry and Machine Works, Lancaster, Ohio. Beam hanger. 2,005,283; June 18.

Winter, John R., Detroit, Mich., assignor of one-half to H. A. Montgomery. Grease seal. 2,005,446; June 18.

Wismer, Linwood, Audubon, N. J., assignor to L., H. A., and E. Wolf, doing business as National Metal Edge Box Company, Philadelphia, Pa. Blank cutting and creasing machine. 2,005,064; June 18.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film machine. 2,005,404; June 18.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film cartridge and spool for use therein. 2,005,405; June 18.

Wolf, Howard A., et al. (See Wismer, Linwood, assignor.)

Wolf, Louis, et al. (See Wismer, Linwood, assignor.)

Wood, Ralph. (See Dubitsky, S., Adler, Grieshaber, Dearcopp, and Wood.)

Wood, Strand K., B. L. Eales, and L. V. De Witt, Hutchinson, Kans. Light for gasoline dispensing nozzles. 2,005,251; June 18.

Woodstock, Willard H. (See Adler, H., and Woodstock.)

Woody, Paul O., Clearfield, Utah. Tool and accessory container. 2,005,285; June 18.
Wuertz, Alexander J. (See Bishop, O. M., and Wuertz.)
Wuertz, Alexander J., Carrollville, Wis., and O. M. Bishop, deceased, Wilmington, Del., by Eva P. Bishop, and Wilmington Trust Co., executors, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the dibenzanthrone series. 2,005,574; June 18.
Wurm, Max, Brooklyn, N. Y. Extension slide device. 2,005,273; June 18.
Wurster, Oscar H., Chicago, Ill. Apparatus for splitting fats. 2,005,447; June 18.
Youker, Mortimer A. (See Daudt, H. W., and Youker.)
Youker, Mortimer A., et al. (See Daudt, H. W., Youker, and Jones.)
Young, Forrest J., Los Angeles, and S. W. Long, Redondo Beach, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Power transmission unit. 2,005,122; June 18.
Young, James H., et al. (See Bagnoll, O. J., Wilson, and Young.)
Young, L. A., Spring and Wire Corporation. (See Clark, William A., assignor.)
Young, Leonard A., Detroit, Mich. Golf club. 2,004,968; June 18.
Youngstown Pressed Steel Company, The. (See Stanitz, J., Boyer, assignors.)
Zeiss, Carl. (See Richter, Robert, assignor.)
Zemanek, Frank, Mason City, assignor of one-fourth to F. Kublak, and one-fourth to T. Zemanek, Manson City, Iowa. Glass breaker tool. 2,005,487; June 18.
Zemanek, Tony, et al. (See Zemanek, Frank, assignor.)
Zellstoffabrik Waldhof. (See Kiel, Franz, assignor.)
Zerbe, Lewis E. (See Faulkner, D. S., Rice, and Zerbe.)
Zerbe, Lewis E., Moneta, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Rotary machine. 2,005,123; June 18.
Zimmer, Heinrich, Varnsdorf, Czechoslovakia. Suction filter. 2,005,406; June 18.
Zimmerman, Rufus E. (See Whetzel, J. C., and Zimmerman.)
Zullo, Basil M. (See Sanchez, R. F., and Zullo.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Articles, Method of and apparatus for forging upset. W. H. Spire. 19,616; June 18.
Coating composition. W. Koch. 19,612; June 18.
Guard, Window. H. van Dresser. 19,617; June 18.
Hearing device support. M. Albert. 19,609; June 18.
Iron alloys free from gases, especially oxygen, Process and device for the production of. C. Brackelsberg. 19,610; June 18.
Liquid cooling apparatus. L. Samel. 19,615; June 18.
Magnetic testing method and means. A. V. de Forest 19,611; June 18.
Telegraph communication system. D. B. Perry. 19,614; June 18.
Type surfacing machine, Planetary. H. L. Myers. 19,613; June 18.

LIST OF DESIGN INVENTIONS

Air-conditioning control device or similar article. L. I. Friez. 95,951; June 18.
Automobile body. A. E. Northup. 95,979; June 18.
Badge. A. R. Rowles. 95,985; June 18.
Battery box. R. LeClercq. 95,971; June 18.
Belt for personal wear. M. Sachs. 95,986–7; June 18.
Bottle. G. Sakier. 95,988 9; June 18.
Bottle, Glass. L. J. Kihn. 95,965; June 18.
Cabinet or the like, Heater. D. F. Jones. 95,962; June 18.
Candle light or similar article. J. Zeitlin. 95,999; June 18.
Carpet. J. S. Travis. 95,994; June 18.
Carton, Christmas tree lighting unit. M. E. Holy. 95,956; June 18.
Crucifixion cross or similar article. B. E. Pucilosli. 95,983; June 18.
Dial, Signal and code. A. Opler. 95,980; June 18.
Display rack. N. E. Heil. 95,955; June 18.
Dress, Ensemble. J. Kirschner. 95,966; June 18.
Dress, Ensemble. S. Zahn. 95,998; June 18.
Game apparatus and vending machine, Combined. M. Schu. 95,990; June 18.
Hat. S. Neger. 95,978; June 18.
Hat. B. Workman. 95,997; June 18.
Jar. C. B. Stevens. 95,993; June 18.
Knitted fabric. M. Moskowitz. 95,977; June 18.
Lighting fixture, Surface supported. C. D. McCann. 95,973–4; June 18.
Mirror, Hand. H. L. Berlnstein. 95,944; June 18.
Motor-cycle. E. M. De Long. 95,948; June 18.
Pump assembly. L. G. Lindsay. 95,972; June 18.
Radiocabinet. N. G. Horwitt. 95,961; June 18.
Range, Gas. W. T. Bradbury. 95,946; June 18.
Saddle, Cycle. R. W. Faulhaber. 95,950; June 18.
Sandal. W. H. Joyce, Jr. 95,963; June 18.
Sharpener, Pencil. A. Shaffer. 95,992; June 18.
Shoe. L. Goodkind. 95,953; June 18.
Shoe. J. Lanz. 95,968–9; June 18.
Shoe. P. M. Siegel. 95,991; June 18.
Shoe. A. Turlansky. 95,995–6; June 18.
Shoe or article of analogous nature. A. E. Gordon. 95,954; June 18.
Spoon, Ice cube. M. S. Dunkelberger. 95,949; June 18.
Stand or similar article, Vending machine. E. A. Laughery. 95,970; June 18.
Sweeper shell, Carpet. F. W. Pullen. 95,984; June 18.
Tablecloth. W. C. Miller. 95,975–6; June 18.
Tablecloth, Lace. H. D. Hooven, Jr. 95,957–60; June 18.
Tablecloth, Lace. F. P. Otto. 95,981–2; June 18.
Textile fabric. F. O. Boessneck. 95,945; June 18.
Textile fabric. M. U. Juestrich. 95,964; June 18.
Textile fabric or similar article of manufacture. J. F. Gaul, Jr. 95,952; June 18.
Tray and saltcellar stand, Combination. M. J. Buchanan. 95,947; June 18.
Tray, Ice. R. E. Krueck. 95,967; June 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid and available less common elements. Simultaneous production of available phosphoric. F. W. Genz. 2,005,617; June 18.
Acid-containing package. H. Adler and W. H. Woodstock. 2,004,926; June 18.
Actuating mechanism. F. E. Bertrand. [D]2,005,019; June 18.
Actuating mechanism for planers, Hydraulic. D. H. West and K. C. Monroe. 2,005,018; June 18.
Adhesive tape and gauze dressing package. B. H. Hanover. 2,005,676; June 18.
Aeroplane. H. A. Douglas. 2,005,078; June 18.
Agitator, Coal stoker. V. C. Norquist. 2,005,681; June 18.
Agricultural implement. F. H. Muntzel. 2,005,044; June 18.
Air arrangement for Diesel locomotives, Auxiliary. J. Dickson. 2,005,536; June 18.
Air-cooling of glass bulb rectifiers. F. Geyer. 2,005,031; June 18.
Aircraft. H. H. Platt. 2,004,961; June 18.
Aircraft deviation indicator. C. Marcus. 2,005,379; June 18.
Aircraft landing wheel. A. G. Maranville. 2,005,626; June 18.
Air in refrigerating mechanisms, Apparatus for hydrating. E. M. Post, Jr. 2,005,558; June 18.
Air-jet propelled conveyance. A. G. Sanden. 2,005,473; June 18.
Airplane control. F. W. Thomas. 2,005,061; June 18.
Airplane landing wheel. A. G. Maranville. 2,005,627; June 18.
Air, System for conditioning. G. P. Tidmarsh and P. M. Tidmarsh. 2,005,276; June 18.
Air vent for camera bellows. C. C. Fuerst. 2,005,417; June 18.
Alcohols to aldehydes, Oxidizing aliphatic. H. A. Bond and L. B. Smith. 2,005,645; June 18.
Aligning device for manifolding typewriters. A. G. Pierce. 2,005,693; June 18.
Alkoxy-phenyl-imidazoles. M. Engelmann. 2,005,538; June 18.
Alloy. M. A. Hunter. 2,005,423; June 18.
Alloy. J. M. Lohr. 2,005,430–3; June 18.
Alloys, Producing. W. B. Arness. 2,005,409; June 18.
Amidines. J. Lee. 2,004,994; June 18.
Amplifier. H. Shore. 2,005,111; June 18.
Amplifier, Audion. P. O. Farnham and R. Assersun. 2,005,080; June 18.
Amusement apparatus. J. F. Macourek. 2,005,231; June 18.
Amusement apparatus. H. Stoebrer and F. Markey. 2,005,400; June 18.
Amusement device. M. Margolith. 2,005,692; June 18.
Anchor, Guy. C. R. Pieper. 2,005,239; June 18.
Animal trap. W. Barrett. 2,005,489; June 18.
Annulus and apparatus therefor, Forming an. J. E. Batle. 2,005,215; June 18.
Anthraquinone derivative. O. M. Bishop and A. J. Wuertz. 2,005,529; June 18.
Apparatus for the tailoring trade for reproducing the shape of the body of the customer. E. Sterling. 2,005,399; June 18.
Apron, Anæsthesia. J. B. Lazare. 2,005,294; June 18.
Article conveying mechanism. C. E. McCoy. 2,005,589; June 18.
Article of manufacture. E. A. Toohey. 2,005,304; June 18.
Automobile heater. W. Karsel and C. W. Taylor. 2,004,993; June 18.
Automobile safety appliance. G. Warfield. 2,005,281; June 18.
Baffle for loud speakers. A. M. Pfalzer. 2,005,300; June 18.
Bait for fish lure, Artificial. B. Milner. 2,005,554; June 18.
Bale tie. A. V. Rowe. 2,005,472; June 18.
Baling press. T. S. Grimes. 2,005,291; June 18.
Basket making machine and method. A. H. Schmidtke. 2,005,439; June 18.
Bathroom unit. R. L. Davison. 2,004,933; June 18.
Bath spray head, Shower. R. C. Boyd. 2,005,073; June 18.
Bath structure, Shower. J. A. Stuntebeck. 2,005,246; June 18.
Bathtub safety grip. O. Buhl and H. V. Jacobus. 2,005,576; June 18.
Beam hanger. H. A. Winland. 2,005,283; June 18.
Bean cutter. E. M. Sciarini. 2,005,440; June 18.
Bearing: *See*—
  Tillage disk bearing.
Bearing. H. R. Lontz. 2,005,502; June 18.
Belting, Manufacturing impregnated textile. A. Abrahamsen and J. E. Hansen. 2,005,407; June 18.
Bench guide, Push. S. Smith. 2,005,328; June 18.
Binder, Loose leaf. R. M. Watson. 2,005,573; June 18.
Binding materials in the form of powder or grit, to produce dextrine and other adhesives of vegetable origin, as well as for treating other materials, Apparatus for treating. A. Dreyer and W. Kutzner. 2,005,537; June 18.
Bit for rock drills, Detachable. R. S. Hart. 2,005,498; June 18.
Blank cutting and creasing machine. L. Wismer. 2,005,064; June 18.
Bleaching and stripping material and making same. M. Alsen. 2,005,448; June 18.
Boiler: *See*—
  Water tube boiler.
Boiler and like furnaces. E. M. McNamara. 2,005,264; June 18.
Boiler plant. N. Brunzel. 2,005,646; June 18.
Bolt making machine. W. L. Clouse. 2,005,495; June 18.
Book, Counter sales. E. Hano, G. U. Lacroix, and G. Hogan. 2,004,942; June 18.
Book structure and binder for leaves. M. H. Coulston. 2,005,717; June 18.
Bookkeeping machine. F. Bossert. 2,005,020; June 18.
Bookstack, Convertible. A. S. Macdonald. 2,005,434; June 18.
Bottle cap and spreading device. W. E. Kuenstler. 2,005,031; June 18.
Bottle conveying mechanism. C. Holm. 2,005,522; June 18.
Bottle crowning machine. J. Kantor. 2,005,585; June 18.
Bottle dispensing device. A. Kuhn and C. H. Heitman. 2,005,092; June 18.
Box: *See*—
  Exhaust box. Folding box
  Folding berry box Plywood knockdown box.
Box and bearing for railway vehicles. J. N. Blue. 2,004,921; June 18.
Box construction. C. K. Ellsworth. 2,005,027; June 18.
Box or carton. H. Levine. 2,005,345; June 18.
Brake beam safety support. S. H. Campbell and F. H. Pletzsch. 2,004,975; June 18.
Brake beam support, Railway. H. C. Dixon. 2,005,076; June 18.
Brake operating mechanism. E. B. Wilson. 2,005,284; June 18.
Broadhead hunting point. F. Kindle and R. E. Speck. 2,005,424; June 18.
Building arch construction. M. G. Vass. 2,005,572; June 18.
Building corner construction and units therefor. J. H. Gibson. 2,005,462; June 18.
Building member and joint therefor, Self-supporting. G. F. Kotrbaty. 2,005,146; June 18.
Buildings, Method and apparatus for ventilating. C. A. Bulkeley. 2,004,927; June 18.
Burner: *See*—
  Gas burner. Welding burner
  Oil burner.
Butt welding pipe. W. T. Mahla and J. L. Maurike. 2,005,322; June 18.
Cable, High tension rubber insulated. C. R. Boggs. 2,005,360; June 18.
Cable, Rubber insulated. J. Fassbender. 2,005,614; June 18.
Cable, Submarine signaling. E. Studt. 2,005,273; June 18.
Camera, Machine gun. J. P. Gaty. 2,005,366; June 18.
Camper's tool. J. Le B. Arbuckle. 2,005,176; June 18.
Cane, Antislipping. W. E. Russell and E. R. Lyon. 2,005,507; June 18.
Cap. G. De W. Rollins. 2,005,361; June 18.
Cap, Conduit. R. G. Whitlock and L. Sharp. 2,005,211; June 18.
Cap for collapsible tubes, Combined closing and outlet. H. A. Thornton. 2,005,642; June 18.
Caps on jars, Apparatus for tightening. H. T. Griswold. 2,005,186; June 18.
Capsule. A. J. Messner. 2,004,957; June 18.
Car body, Railway. C. De L. Rice. 2,005,165; June 18.
Car wheel. C. Saurer. 2,005,302; June 18.
Carbon black. E. H. Damon. 2,005,022; June 18.
Carbon compounds containing fluorine, Preparation of. H. W. Daudt and M. A. Youker. 2,005,705; June 18.
Carbon compounds, Fluorination of. H. W. Daudt and E. L. Mattison. 2,004,931; June 18.
Card, Greeting. E. Blackwell. 2,005,493; June 18.
Carrier current relay. L. B. LeVesconte. 2,005,148; June 18.
Carrier for automobiles, Tool chest and spare wheel. E. Thrine. 2,005,604; June 18.

Carrier relaying, Continuous. L. B. LeVesconte. 2,004,955; June 18.
Carrier relaying, Continuous. W. A. Lewis. 2,005,150; June 18.
Carrier relaying, Continuous. R. M. Smith. 2,005,172; June 18.
Carrier system. J. M. Scanlan. 2,005,396; June 18.
Carton for rubber heels and the like. A. A. Esterson. 2,005,135; June 18.
Catalytic oxidation of ketones. W. Flemming and W. Speer. 2,005,183; June 18.
Cellulose derivative composition. H. B. Dykstra. 2,005,414; June 18.
Cellulose derivatives, Dyeing of. L. Spiegler and H. R. Lee. 2,005,303; June 18.
Cellulose, Esterification of. G. Jayme. 2,005,678; June 18.
Cellulose esters, Hydrolysis of. T. F. Murray, Jr., and C. J. Staud. 2,005,383; June 18.
Cellulose esters, Manufacture of. H. Dreyfus. 2,005,223; June 18.
Cellulose material, Manufacture of. F. Kiel. 2,005,378; June 18.
Cellulose with a modified perchloric acid catalyst, Esterification of. C. J. Staud and J. D. Coleman. 2,005,398; June 18.
Cementitious sheets, Apparatus for the manufacture of. R. Dorn and M. Willis. 2,004,936; June 18.
Centrifugal clutch. H. J. Rickwood. 2,005,350; June 18.
Centrifugal separator. H. O. Lindgren. 2,005,094; June 18.
Chair: *See*—
  Folding chair.
Chair. L. Dellert. 2,004,934; June 18.
Chair construction. G. D. Schermerhorn. 2,005,565; June 18.
Cigar bunches, Device for continuously compressing and drying of. E. S. D. von Segebaden. 2,005,280; June 18.
Cigarette case and lighter, Pocket. R. L. Penney. 2,005,557; June 18.
Cigarette holder. C. L. Martin. 2,005,233; June 18.
Cigarettes with a short mouthpiece of wadding, crepe paper or the like, Process and apparatus for the manufacture of. C. W. Müller. 2,005,661; June 18.
Circuit and apparatus, Electrical. J. W. Dalton. 2,005,130; June 18.
Circuit controller for electric sign flashers, signaling devices, and similar mechanisms, Electric. W. L. Laib. 2,005,230; June 18.
Circuit controlling appliance, Electric. J. Sachs. 2,005,685–6; June 18.
Circuit controlling appliance, Electric. J. Sachs. 2,005,688; June 18.
Circuit, Signaling. H. Nyquist. 2,005,047; June 18.
Cleaner: *See*—
  Tube cleaner.
Cleaning attachment for combs. O. Friedmann. 2,005,520; June 18.
Cleaning device for gill-box fallers. H. Whitaker. 2,005,209; June 18.
Closure cap for tumblers, bottles, jars, and other receptacles. H. Ingram. 2,005,318; June 18.
Cloth finishing. S. L. Cluett. 2,005,517; June 18.
Cloth shrinking machine. B. J. Shaw. 2,005,352; June 18.
Clothing, Apparatus for pressing. S. H. MacFarland. 2,005,435; June 18.
Clutch: *See*—
  Centrifugal clutch.
Clutch operating mechanism. H. Schildknecht. 2,005,269; June 18.
Coatings, Apparatus for applying protective. H. A. Conley. 2,004,978; June 18.
Combing machine. J. W. Nasmith. 2,005,001; June 18.
Compounds of the ethylene series substituted by an aromatic residue, Manufacture of. W. Krey. 2,005,042; June 18.
Compressing machine. W. D. Drysdale. 2,005,578; June 18.
Compressor, Rotary. E. H. Belden. 2,004,920; June 18.
Concrete joist and slab construction, Precast. H. O. Klotz. 2,004,991; June 18.
Condenser: *See*—
  Electrical condenser. Variable condenser.
Conductor, Hollow. W. H. Bassett, Jr. 2,004,972; June 18.
Conduit. C. Gottwald and H. R. Hawgood. 2,005,704; June 18.
Conduit and like construction. C. Gottwald. 2,005,699; June 18.
Conduit cap. R. G. Whitlock and L. Sharp. 2,004,966; June 18.
Conduit construction. M. L. Spackman. 2,005,701; June 18.
Confection, Packaged. R. Stover. 2,005,245; June 18.
Connecter: *See*—
  Electric tubing connecter. Electrical connecter.
Connection, Pipe flange. C. Rehder. 2,005,267; June 18.
Connections between connecting rod piston, and crankshaft, Lubricating. J. H. Eynon. 2,005,028; June 18.
Container: *See*—
  Display container. Tool and accessory container.
  Insulated metallic container. Mixer.
Container. J. M. Hothersall. 2,004,946; June 18.
Container. E. H. Siler. 2,005,597; June 18.
Container and its cover. R. Ensko. 2,005,314; June 18.
Container filling device, Automatic. E. F. Hulbert. 2,005,545; June 18.
Containers of all kinds, Opening. E. Saignier. 2,005,665; June 18.
Control arrangement for tandem operation pressing machines. E. A. Mall. 2,005,043; June 18.
Control device for aircraft, Automatic. J. M. Boykow. 2,005,530; June 18.
Control for air conditioning systems. T. K. Greenlee. 2,004,940; June 18.
Control means for varying the relative speeds of members driven through a common differential mechanism. H. A. Centervall. 2,004,929; June 18.
Control mechanism for hydraulic power systems. H. A. Centervall. 2,004,928; June 18.
Control mechanism, Power operated. A. Ronning. 2,005,243; June 18.
Control operating. J. T. Nichols. 2,005,157; June 18.
Control system. L. J. Koci. 2,005,586; June 18.
Conversion process. V. Voorhees. 2,005,118; June 18.
Conveyer. E. H. Spiegl. 2,005,442; June 18.
Cooker, Portable electric. J. Fletcher. 2,004,937; June 18.
Cooler: *See*—
  Milk cooler.
Copper in copper coated wire and the like, Determining. W. F. Muehlberg. 2,005,156; June 18.
Cotton cleaning and reclaiming machine. J. E. Mitchell. 2,005,265; June 18.
Coupling: *See*—
  Hose coupling. Solder coupling.
  Pipe coupling.
Coupling capacitor system. P. O. Langguth and W. A. Lewis. 2,005,147; June 18.
Coupling for bogie axles. P. M. Bourdon. 2,005,607; June 18.
Coupling means for lubricating systems. C. W. Parker. 2,005,556; June 18.
Cover: *See*—
  Lampshade cover.
Covers for seat side arms. W. L. Fry. 2,004,982; June 18.
Crate fastener. O. Sliger. 2,005,272; June 18.
Crease holding means for garments. D. and S. Segelin. 2,005,480; June 18.
Cultivator, Tractor mounted. H. P. Smith. 2,005,568; June 18.
Cultivators, Relief attachment for. H. W. Nelson. 2,005,045; June 18.
Current responsive element and manufacture therefor. J. Sachs. 2,005,687; June 18.
Cut-off machine. N. C. Rubin. 2,005,052; June 18.
Cutter: *See*—
  Bean cutter. Pipe cutter.
  Flower cutter.
Deflector for gas stoves, or the like. J. Wilder. 2,005,121; June 18.
Dental model. B. L. Spitzer and A. Benko. 2,005,114; June 18.
Derivatives of porphins and metalloporphins and their manufacture, Basic. A. Stoll and E. Wiedemann. 2,005,511; June 18.
Dies, Making. G. R. Meyercord. 2,005,591; June 18.
Differential motor. L. N. Miller. 2,005,000; June 18.
Digging tooth. L. W. Van Buskirk. 2,005,016.
Dispenser. E. A. Field. 2,005,029; June 18.
Dispensing device. W. W. Kelly. 2,005,501; June 18.
Display container. H. L. Trimble. 2,005,278; June 18.
Display sign. W. B. F. Hall. 2,005,420; June 18.
Distilling and fractionating apparatus. W. A. McMillan. 2,005,323; June 18.
Doll. A. M. Katz. 2,005,088; June 18.
Door, Automobile. W. L. Morrison. 2,005,198; June 18.
Doorcheck. S. Dubitsky, S. Adler, E. Grieshaber, C. Bearcopp, and R. Wood. 2,005,457; June 18.
Dough fermentation, Method and appliance for determining degree of. F. X. Nodler. 2,005,592; June 18.
Doughnut machine and the like. C. E. Carpenter. 2,005,178; June 18.
Dovetail attachment for dovetail machines. R. H. Crouch. 2,005,647; June 18.
Draft controller, Automatic. G. J. Irsch and W. B. Stephenson. 2,004,947–8; June 18.
Draft equalizer. V. J. Tichota. 2,005,525; June 18.
Drive mechanism for mechanical stokers. H. E. Preston. 2,005,006; June 18.
Driving mechanism. C. H. Havill. 2,005,655; June 18.
Driving mechanism and clutch. E. E. Wemp. 2,005,250; June 18.
Drying apparatus. A. W. Ferre. 2,005,580; June 18.
Dust collector. F. H. Wagner. 2,005,305; June 18.
Dyeing composition. E. A. Markush. 2,005,347; June 18.
Dyestuffs of the anthraquinonacridone series, M. A. Kunz, E. Berthold, and K. Koeberle. 2,005,321; June 18.
Dyestuffs of the dibenzanthrone series. A. J. Wuertz and O. M. Bishop. 2,005,574; June 18.
Dynamo-electric machine. J. V. Caputo. 2,005,609; June 18.
Egg yolks, Testing color of. R. R. Haugh. 2,004,943; June 18.
Ejector, Saliva. A. M. La Riche. 2,005,625; June 18.
Electric drive for looms, weaving machines, and the like. F. Philly. 2,005,663; June 18.
Electric fluid heater. R. A. Carleton. 2,004,976; June 18.

Electric metering device. F. Fausett. 2,005,138; June 18.
Electric switch. J. Sachs. 2,005,684; June 18.
Electric tubing connecter. G. G. Williams. 2,005,175; June 18.
Electrical condenser. W. C. van Geel and H. Emmens. 2,005,279; June 18.
Electrical connecter. E. F. Schmidt. 2,005,475; June 18.
Electrical connecter. W. J. Shearer. 2,005,441; June 18.
Electrical contact device, Separable. E. J. Pool. 2,005,682; June 18.
Electrical device, Thermostatically operated. E. Klahn. 2,005,549; June 18.
Electrical machine, High voltage. R. C. Browne. 2,005,451; June 18.
Electrical switch. J. Rosen. 2,005,207; June 18.
Electrolytic device. R. C. Sprague and J. F. McCann. 2,005,035; June 18.
Electron discharge device control system. D. Journeaux. 2,004,932; June 18.
Electron emission device. T. W. Sukumlyn. 2,005,530; June 18.
Engine: *See*—
Internal combustion engine.
Engine cooling device. W. F. Davis. 2,005,336; June 18.
Engine cooling device. A. B. Modine. 2,005,468; June 18.
Engines, Operating internal combustion. J. E. Wild, H. Hogeman, and W. E. Schwarzmann. 2,005,063; June 18.
Envelope blanks, Apparatus for conveying. P. Becker. 2,005,482; June 18.
Esters of acids of phosphorus. G. De W. Graves. 2,005,610; June 18.
Evaporator. J. Touborg and H. E. Rosebrook. 2,005,277; June 18.
Evaporator for refrigeration machines. A. Teves. 2,005,015; June 18.
Exhaust box. W. F. Weiss. 2,005,282; June 18.
Expansion and contraction joint, Combined. A. C. Fischer. 2,005,139; June 18.
Explosive. G. C. Hale. 2,004,941; June 18.
Explosive charges, Method and apparatus for igniting. H. Holzwarth. 2,004,945; June 18.
Fabric: *See*—
Knitted fabric.
Facsimile telegraph system. E. F. Watson. 2,005,017; June 18.
Fan. H. C. Herion. 2,004,984; June 18.
Fan inlet guard and manufacturing the same. M. C. Allin. 2,005,408; June 18.
Farming implement. G. W. Peck. 2,005,633; June 18.
Fastener: *See*—
Crate fastener.
Fastener stringers, Manufacturing. L. H. Morin and D. Marinsky. 2,004,959; June 18.
Fastener with sliding attachment for garments, bags, and the like. J. Franze. 2,005,116; June 18.
Fats, Apparatus for splitting. O. H. Wurster. 2,005,447; June 18.
Feed control for folding and other machines, Automatic. G. E. Anderson. 2,005,124; June 18.
Feed control for hammer mills. M. W. Roscoe and C. F. Crumb. 2,005,561; June 18.
Feeder: *See*—
Glass feeder. Sheet feeder.
Feeder. C. E. Hedrick. 2,005,188; June 18.
Feeder head for shaker or jigging conveyers. W. W. Sloan. 2,005,567; June 18.
Film cartridge and spool for use therein, Photographic. O. Wittel. 2,005,405; June 18.
Film magazine, Motion picture. O. Wittel. 2,005,404; June 18.
Film take-up mechanism. B. Burns. 2,005,254; June 18.
Filter: *See*—
Suction filter.
Filter. C. W. Hansell. 2,005,083; June 18.
Fishing rod. B. O. Gephart. 2,005,081; June 18.
Flame stabilizing atachment for orchard heaters. W. L. Schen. 2,005,009; June 18.
Flange lining machine. W. M. Holloway. 2,004,944; June 18.
Flash light hanger. H. Hyman. 2,005,339; June 18.
Flashing structure, Multi-ply. S. H. Cohen and J. Wasserman. 2,005,221; June 18.
Flat articles such as biscuits, Stacking or arranging substantially. L. Marsden. 2,005,629; June 18.
Flour, Treatment of. R. Rüter. 2,005,268; June 18.
Flower cutter. T. P. Tierney, Jr. 2,005,355; June 18.
Flower holder. E. M. Menge. 2,005,467; June 18.
Fluid conditioning device. J. F. Winkler. 2,005,515; June 18.
Fluid pressure mechanism. B. Dick. 2,004,980; June 18.
Fluids under pressure into a pressure chamber, Apparatus for automatically controlling discharge of. E. Du Bois. 2,005,650; June 18.
Fluorine compound, Organic. H. W. Daudt and M. A. Youker. 2,005,706; June 18.
Fluorine compounds and production thereof, Organic. L. C. Holt and E. L. Mattison. 2,005,712; June 18.
Fluorine compounds, Preparation of. H. W. Daudt and M. A. Youker. 2,005,710; June 18.
Fluorine compounds, Preparation of organic. H. W. Daudt and M. A. Youker. 2,005,711; June 18.
Fluorine compounds, Production of. H. W. Daudt, M. A. Youker, and H. LaB. Jones. 2,004,932; June 18.
Fluorine compounds, Production of organic. H. W. Daudt and M. A. Youker. 2,005,707; June 18.
Fluorine compounds, Production of organic. H. W. Daudt and M. A. Youker. 2,005,709; June 18.
Fly-strip and ruler for ring binders, Combined. F. S. Schade. 2,005,474; June 18.
Focusing device for a motion picture camera. A. W. Tondreau. 2,005,014; June 18.
Folding berry box. H. M. Ebner. 2,005,415; June 18.
Folding box. R. E. De Luce. 2,005,131; June 18.
Folding chair. J. Kovats. 2,005,715; June 18.
Folding table. H. L. Skough. 2,005,481; June 18.
Food handling apparatus. H. L. Johnston and J. C. Slager. 2,005,374; June 18.
Food molding and wrapping machine, Automatic. W. Stricker. 2,005,599; June 18.
Food preparing device. C. W. Rothfeld. 2,005,395; June 18.
Food products, Manufacturing dried. D. D. Peebles. 2,005,238; June 18.
Footwear, Apparatus for use in making. W. H. Bresnahan. 2,005,608; June 18.
Forming machine for compressed feeds. C. C. Hall. 2,005,689; June 18.
Fountain and bird bath, Combination. F. Thomson. 2,005,602; June 18.
4-dimethylamino-1 phenyl-2,3-dimethyl-5-pyrazolone, Producing. B. Reuter. 2,005,506; June 18.
Frames for constructing building boards, Metal. A. Rafter. 2,005,391; June 18.
Fruit and vegetable juice filling machine. S. Pittaluga. 2,005,471; June 18.
Fruit coating method. T. W. W. Forrest. 2,005,184; June 18.
Fuel and product derived therefrom or other materials into valuable liquids, Conversion of solid. C. Kranch and M. Pier. 2,005,192; June 18.
Fuel burning apparatus. A. G. Blodgett. 2,005,644; June 18.
Fuel from sludge oil, Manufacture of motor. G. Armistead, Jr. 2,005,309; June 19.
Fuel injection pump. C. Schner. 2,005,008; June 18.
Fuel pump. E. A. Rockwell. 2,005,206; June 18.
Fur, Apparatus for making imitation Astrakhan. G. Remane. 2,005,049; June 18.
Furnace: *See*—
Incinerator furnace. Tapping furnace.
Furniture, Folding article of. J. Kovats. 2,005,716; June 18.
Fuse for projectiles and particularly for small caliber high explosive projectiles. V. Schläfer. 2,005,053; June 18.
Game apparatus. J. B. Firestone. 2,004,981; June 18.
Game apparatus. C. R. Kirk and E. E. Collison. 2,004,989–90; June 18.
Game apparatus. C. R. Kirk and E. E. Collison. 2,005,548; June 18.
Game, Hand pool. J. N. Maxwell. 2,005,660; June 18.
Game practice means. C. I. Robinson. 2,005,241; June 18.
Garment, Beach. C. M. Hogan. 2,004,985; June 18.
Garment, Foundation. K. E. Cunningham. 2,005,612; June 18.
Garment hanger. A. J. Fussenegger. 2,005,290; June 18.
Gas analyses, Method and apparatus for. A. H. D. Howe. 2,005,036; June 18.
Gas and air mixing device. M. F. Kowalski. 2,005,624; June 18.
Gas burner. J. C. Rogers. 2,005,560; June 18.
Gas burning apparatus. N. T. Branche. 2,005,252; June 18.
Gas meter. J. C. Diehl. 2,005,024; June 18.
Gas purifier, Exhaust. C. Tierig. 2,005,249; June 18.
Gasoline vapor and air mixing device. W. S. Alvey and J. M. Mikkelsen. 2,004,919; June 18.
Gear for mining machines, Haulage. M. S. Moore. 2,005,523; June 18.
Gear shift lever switch. R. R. Sucky, E. F. McGonigal, and E. Burger. 2,005,483; June 18.
Gearing, Change speed. R. W. Whittle and E. Twembow. 2,005,514; June 18.
Generator system, Electric. G. W. Wilson. 2,005,486; June 18.
Glass and making the same, Laminated. B. J. Pennison. 2,005,075; June 18.
Glass articles, Method and apparatus for making. H. A. Fisher and J. P. Lindsay. 2,005,519; June 18.
Glass breaker tool. F. Zemanek. 2,005,487; June 18.
Glass feeder. R. A. Chilcote. 2,005,494; June 18.
Glass rack. J. D. McLeod. 2,005,099; June 18.
Glazier's points. H. Thorin. 2,005,484; June 18.
Glow discharge sign. C. J. LeBel. 2,004,995; June 18.
Gluing machine. R. E. De Luce. 2,005,132; June 18.
Gold recovering device and method. J. B. Girard. 2,004,939; June 18.
Golf club. L. A. Storz. 2,005,401; June 18.
Golf club. L. A. Young. 2,004,968; June 18.
Granular materials into the soil, Device for introducing dry. A. L. Smith. 2,005,598; June 18.
Grate, Furnace. F. Graafen. 2,005,544; June 18.
Grill, Hand. B. H. Smith. 2,005,010; June 18.
Grinding apparatus. B. O. Isom. 2,004,949; June 18.
Grinding device for revolving cutters. R. D. MacDonald. 2,005,551; June 18.
Grinding machine, Internal. H. H. Ashbridge. 2,005,331 2; June 18.

Ground rod. W. J. McIlvane. 2,004,999; June 18.
Grouting plug. E. P. Halliburton. 2,005,367; June 18.
Guard, Edge. J. W. Trew. 2,005,402; June 18.
Guard, Traffic. G. A. Gleason and A. P. Hayden. 2,005,418; June 18.
Gun, Machine. L. A. Carrillo. 2,004,925; June 18.
Hair curler. R. Mussy. 2,005,662; June 18.
Hairdressing device. J. Halloh. 2,005,187; June 18.
Hair waving device, Permanent. W. H. Cooper. 2,005,288; June 18.
Halogenated ethane derivatives containing fluorine, Production of. H. W. Daudt and M. A. Youker. 2,005,708; June 18.
Handle attachment for liquid or powder-containing cans. J. A. Berchale. 2,005,528; June 18.
Handle fastening device. F. M. Spezzano. 2,005,353; June 18.
Hanger: *See*—
Beam hanger. Garment hanger.
Flash light hanger.
Harmonica. W. R. Steele. 2,005,443; June 18.
Harrow with right and left turning mechanism, Disk. S. S. Furrer. 2,005,225; June 18.
Hat cleaning device. H. Schlesinger. 2,005,327; June 18.
Header slide. W. W. Crilley. 2,005,222; June 18.
Headlamps incorporating glare-preventing devices. S. E. Talbot. 2,005,058; June 18.
Headlight lamp. F. Mayo. 2,005,194; June 18.
Heat treatment of substances in rotary tube furnaces, Process of and apparatus for the. C. P. Debuch and E. Markworth. 2,005,648; June 18.
Heater: *See*—
Automobile heater. Electric fluid heater.
Heater cabinet construction, Sill. C. W. Colby. 2,005,313; June 18.
Heating apparatus. C. A. and A. R. Dunham. 2,005,224; June 18.
Heels to shoes, Attaching. D. E. Cool. 2,004,979; June 18.
Hobbyhorse. F. G. Dennison. 2,005,181; June 18.
Hoist, Portable. W. J. Ross. 2,005,050; June 18.
Holder: *See*—
Cigarette holder. Rug holder.
Flower holder. Shoulderstrap holder.
License plate holder. Wheel holder.
Multiple line holder.
Horn, Vehicle. J. E. Griffin. 2,005,620; June 18.
Hose coupling. G. Davis and J. H. Davis. 2,005,613; June 18.
Hose coupling. P. H. Williams. 2,004,967; June 18.
Hosiery, Mechanism for narrowing flat knit full fashioned. G. Gastrich. 2,005,461; June 18.
Hub cap and wheel lock, Theft resisting. J. T. Duarte. 2,005,535; June 18.
Hydrocarbons, Production of fluorinated acyclic. L. C. Holt and E. L. Mattison. 2,005,713; June 18.
Hydrocarbons, Refining of. L. D. Jones and E. M. James. 2,005,342; June 18.
Ice refrigerating system, Dry. W. W. Carson, Jr. 2,005,611; June 18.
Igniting device for oil burners. I. V. Abadjieff. 2,005,065; June 18.
Incinerator furnace. J. E. Greenawalt. 2,005,082; June 18.
Inclinometer. E. C. Potterf. 2,005,634; June 18.
Index, Card. R. A. Chadwick, Jr. 2,005,453; June 18.
Indicating device. W. F. Bull. 2,005,452; June 18.
Indicator: *See*—
Aircraft deviation indicator. Specific gravity indicator.
Weight indicator.
Inductance device, Variable. W. J. Polydoroff. 2,005,203; June 18.
Induction machine. E. W. Petersen and W. A. Singer. 2,005,201; June 18.
Inductive device. F. J. Given. 2,005,582; June 18.
Ingot, Centrifugally-cast circular. J. L. Adams, Jr. 2,005,175; June 18.
Ingots, Casting metal. A. R. Rowe. 2,005,169; June 18.
Ingots, Making composite. F. R. Frost. 2,005,338; June 18.
Ink to ink transfer members, Supplying. G. E. Pelton. 2,005,503; June 18.
Inlet structure for conduits, Adjustable. E. F. Murray. 2,005,297; June 18.
Insulated metallic container. E. D. Thompson. 2,005,247; June 18.
Insulating material and waterproofing same, Heat. E. A. Toohey and A. Hughes. 2,005,356; June 18.
Insulator for storage battery plates. T. A. W. Thomas. 2,005,275; June 18.
Internal combustion engine. E. C. Gutzwiller. 2,005,141; June 18.
Iron blues, Manufacture of. S. F. Grove. 2,005,697 8; June 18.
Iron, Electric. F. W. Scharf. 2,004,962; June 18.
Jar, Torsion set rotary. J. A. Kammerdiner. 2,005,228; June 18.
Jelly, Making. G. MacLean. 2,005,095; June 18.
Joint: *See*—
Expansion and contraction. Universal joint.
Joint.
Journal lubricator, High pressure. J. F. Hermann. 2,005,464; June 18.
Key blank. M. Falk. 2,005,497; June 18.
Keyhole illuminating device. G. J. Taylor. 2,005,274; June 18.
Knitted fabric. K. R. Lieberknecht. 2,005,093; June 18.
Knitting machine. F. R. Page. 2,005,632; June 18.
Lace attachment for full fashioned knitting machines. G. Bitzer. 2,005,070; June 18.
Ladder. M. A. Nunes. 2,005,384; June 18.
Lamp: *See*—
Headlight lamp.
Lampshade cover, Adjustable protective transparent. S. J. Brandstein. 2,005,531; June 18.
Last. H. L. Moorhouse. 2,005,324; June 18.
Lathe. W. J. Merrigan. 2,005,101; June 18.
Lathe, Electrically operated. R. D. Shaw. 2,005,509; June 18.
Lenses, Mounting. F. A. Brauchl. 2,004,923; June 18.
License plate holder, Automobile. K. Endlich. 2,005,703; June 18.
Lift mechanism for tractor drawn implements. J. Morkovski. 2,005,555; June 18.
Lifter: *See*—
Utensil lifter.
Light display apparatus. J. M. High. 2,005,421; June 18.
Light for gasoline dispensing nozzles. S. K. Wood, B. L. Eales, and L. V. De Witt. 2,005,251; June 18.
Light sensitive apparatus. W. F. Tedham. 2,005,059; June 18.
Lighter. G. P. Schmitt. 2,005,476 8; June 18.
Liner for fruit boxes. C. E. Ridgway. 2,005,594; June 18.
Liners, Method of and apparatus for positioning. A. J. Dowd. 2,005,577; June 18.
Link. R. F. Peo. 2,005,004; June 18.
Liquid pump, Temperature responsive. E. L. Mayo. 2,005,193; June 18.
Liquids from hides, skins, and leather, Removing. J. H. Connor. 2,004,930; June 18.
Liquors, Concentrating waste. C. C. Hunicke and C. L. Wagner. 2,005,422; June 18.
Lithographic plate graining device. R. Fritsche. 2,005,654; June 18.
Loading device. J. W. Smith. 2,005,666; June 18.
Loading machine. M. S. Moore. 2,005,524; June 18.
Lock lid for journal boxes. A. C. Schmohl and J. P. Anderson. 2,005,479; June 18.
Locking means for distributors. E. Rick and J. Bonnie. 2,005,393; June 18.
Locomotive. J. P. Ruth. 2,005,562; June 18.
Loom and thread measuring and cutting mechanism therefor, Shuttleless. W. Pool. 2,005,390; June 18.
Loom and weft-selecting mechanism therefor, Shuttleless. W. Pool. 2,005,391; June 18.
Lubricating compounds, Solid. C. A. Miller and D. A. Smith. 2,005,553; June 18.
Lubricating system. S. S. Roberts. 2,005,166; June 18.
Lubricator: *See*—
Journal lubricator.
Machine for cleaning window shades. P. F. Nardulli and M. J. Nardulli. 2,005,199; June 18.
Machine for operating upon shoes. A. R. Morrill. 2,005,104; June 18.
Machine for making plant protectors. W. R. Schindler. 2,005,326; June 18.
Machine for removing door coverings. W. E. Overell. 2,005,630; June 18.
Machine for slitting covers attached to heels. N. H. Knowlton. 2,005,040; June 18.
Machine for treating gravel, sand and like materials. W. L. Wettlaufer. 2,004,965; June 18.
Machine tool. G. Gerton, III, P. M. Henkes and G. Horner. 2,005,696; June 18.
Magnetic testing apparatus and method. S. Specht. 2,005,041; June 18.
Magnifying attachment for slide rules. H. P. Clausen. 2,005,362; June 18.
Marker. E. G. Brummud. 2,005,217; June 18.
Marker, Automatic book. R. R. Roberts; 2,005,559; June 18.
Marker for cotton bales, Permanent. M. L. Brown and S. Brown. 2,004,924; June 18.
Marker, Traffic. G. Segelhorst. 2,005,170; June 18.
Mask, Breathing. L. V. Boolarin. 2,005,072; June 18.
Mask, Buck. T. J. Dracott, Jr. 2,005,649; June 18.
Mat, Floor. E. C. Matteson. 2,005,659; June 18.
Materials, Apparatus for washing or treating. W. F. Trandt. 2,005,015; June 18.
Materials, Determining wearing qualities of. W. A. Harrington. 2,005,521; June 18.
Mechanical movement. N. C. Rubin. 2,005,051; June 18.
Metal, Apparatus for shipping. W. C. Tumplin. 2,005,117; June 18.
Metal processing machine. H. G. R. Bennett. 2,005,127; June 18.
Metal, Rolling sheet. W. L. Goodhue. 2,005,315; June 18.
Metal strips, Apparatus for coating. T. D. Williams. 2,005,307; June 18.
Metal, Treating molten. E. P. Fleming and S. L. Palmer. 2,005,540; June 18.
Metals, Process and bath for pickling. V. Voorhees. 2,005,605; June 18.
Metals, Spot welding refractory. W. W. Eitel and J. McCullough. 2,005,256; June 18.
Metallic receptacle. E. D. Thompson. 2,005,248; June 18.

Metals, Pickling of ferrous. W. P. ter Horst. 2,005,601; June 18.
Meter: *See*—
Gas meter. Recording meter.
Milk cooler. E. P. Hocking. 2,005,033; June 18.
Mill: *See*—
Pilger rolling mill. Tube expanding mill.
Rolling mill.
Millwork measuring, Rolling. R. E. Peterson. 2,005,325; June 18.
Mold for brick-faced blocks. T. F. O'Gorman. 2,005,200; June 18.
Monorail switch. D. Dunlap. 2,005,133; June 18.
Motor: *See*—
Differential motor.
Mounting means for needles and the like. G. Gastrich. 2,005,674; June 18.
Mower, Lawn. R. R. Poynter. 2,005,204; June 18.
Multiple line holder. G. Beaverson. 2,005,491; June 18.
Mushroom spawn. R. Di Giacinto. 2,005,365; June 18.
N(para-(beta-naphthyl-amino)phenyl) morpholine and its production. G. C. Strouse. 2,005,571; June 18.
Navigational instrument. H. M. Jensen. 2,004,951; June 18.
Nipple, Bottle. H. D. Naum. 2,005,437; June 18.
Nozzle, Distributor. A. B. Tappen. 2,005,600; June 18.
Nut, screw, and like article. A. G. M. Mitchell. 2,005,348; June 18.
Nuts, Making lock. I. C. Emery. 2,005,651; June 18.
Oil and pitch, Coal tar. J. V. E. Dickson. 2,005,077; June 18.
Oil burner. G. O. Brumm. 2,005,532; June 18.
Oil combustion apparatus. O. C. Schroeder and S. Perry. 2,005,639; June 18.
Oil saver. W. R. Gulberson. 2,005,259; June 18.
Oil supply apparatus for oil burners. I. V. Abadjieff. 2,005,006; June 18.
Oil treatment of coal. A. O. Vinz. 2,005,512; June 18.
Oil vapor Apparatus for fractionating hydrocarbon. F. W. Hall. 2,005,316; June 18.
Oils, Cracking hydrocarbon. F. W. Hall and H. A. Smith. 2,005,675; June 18.
Oils, Dewaxing. J. W. Weir. 2,005,062; June 18.
Oils, Treatment of hydrocarbon. J. G. Alther. 2,005,527; June 18.
Olefines from gases containing the same, Separation and recovery of. W. P. Joshua and H. M. Stanley. 2,005,500; June 18.
1-phenyl-2,3-dimethyl-5-pyrazolone, Producing. B. Reuter. 2,005,502; June 18.
Opener and tightener, Fruit jar. E. A. Balz. 2,005,410; June 18.
Opener, Combination bottle. J. Bordener. 2,004,974; June 18.
Optical system for instruments reproducing sounds with the aid of light. R. Richter. 2,005,240; June 18.
Organic compounds containing a double linkage, and products obtainable thereby, Polymerizing. K. Meisenburg. 2,005,295; June 18.
Organs, Swell louver action for. H. Willis and A. Thompson-Allen. 2,005,643; June 18.
Outboard motor washer. W. Y. O'Harra. 2,005,385; June 18.
Out-of-step protection. W. A. Lewis. 2,005,149; June 18.
Oven, Automatic circular. S. Dawson. 2,005,023; June 18.
Oven control. A. P. Chester and D. H. Hill. 2,004,977; June 18.
Package and parts thereof, Sealed. M. H. Raney. 2,005,349; June 18.
Package, Cigar. M. S. Kayner. 2,005,039; June 18.
Package for bottles. C. K. Ellsworth. 2,005,026; June 18.
Packages and container therefor, Dispensing. B. M. Baxter. 2,005,490; June 18.
Pad: *See*—
Shoe press pad.
Pad and support therefor, Renewable. E. E. Miles. 2,005,680; June 18.
Pan, Baking. W. W. Arrowsmith. 2,005,449; June 18.
Paper feeding mechanism. R. G. Bower. 2,005,450; June 18.
Paper, Manufacture of strengthened absorptive. M. O. Schur. 2,005,397; June 18.
Paper, Safety. J. W. Neff. 2,005,105; June 18.
Paper web connecting mechanism for printing presses. T. Johansen and J. A. Jones. 2,005,037; June 18.
Partition for vehicles, Movable. L. Jones. 2,005,086; June 18.
Pattern effects on textile and other materials, Production of. G. H. Ellis and H. C. Olpin. 2,005,182; June 18.
Pen, Fountain. F. B. Chamberlin. 2,005,179; June 18.
Pencil. A. C. Wells. 2,005,485; June 18.
Phonograph. T. C. Brown. 2,005,074; June 18.
Phonograph pick-up. S. McClatchie. 2,005,154; June 18.
Photographic reversal process. K. C. D. Hickman. 2,005,368; June 18.
Photographic shutter, Automatic. W. A. Riddell. 2,005,394; June 18.
Picture, Composite motion. H. F. Koenekamp. 2,004,992; June 18.
Pictures, Composite motion. F. W. Jackman. 2,004,986–7; June 18.
Pile driving apparatus. M. Schalscha. 2,005,564; June 18.
Pilger rolling mill. R. Ludwig. 2,005,657; June 18.
Pipe: *See*—
Butt-welding pipe.
Pipe, Apparatus for rolling. W. Bark, J. H. Schmidt, and J. V. Masurie. 2,005,310; June 18.
Pipe coupling. J. D. Pace. 2,005,631; June 18.
Pipe coupling. J. F. Stephens. 2,005,036; June 18.
Pipe cutter. T. Petersen. 2,005,163; June 18.
Pipe, Electrically welding. W. Dudley. 2,005,579; June 18.
Pipe vise. T. Petersen. 2,005,161; June 18.
Pipe vise gripping members. T. Petersen. 2,005,162; June 18.
Piston. G. Wagner. 2,005,702; June 18.
Piston, Expansible. C. S. Johnston. 2,005,373; June 18.
Plant support. L. Goldberg. 2,004,983; June 18.
Planting implement. J. A. De Wasme. 2,005,518; June 18.
Plaster or tile and making the same, Acoustic. N. M. Berner. 2,005,069; June 18.
Plastic composition. J. J. Martin. 2,004,956; June 18.
Plastic materials, Recovery of ingredients of. H. R. McDougal. 2,005,381; June 18.
Plates and the like, Apparatus for manufacturing. J. E. Lose. 2,005,152; June 18.
Platinum contact mass containing promoter and making same. G. C. Connolly and J. A. Pierce. 2,005,412; June 18.
Plug: *See*—
Grouting plug.
Plywood knockdown box. G. H. Osgood. 2,005,159; June 18.
Porous separator. A. S. Behrman. 2,004,973; June 18.
Potential device. P. O. Langguth. 2,004,954; June 18.
Powders, Apparatus for compacting. H. J. Glaxner. 2,005,542; June 18.
Power plant. A. T. Kasley. 2,005,377; June 18.
Power transmission unit. F. J. Young and S. W. Long. 2,005,122; June 18.
Power transmitting mechanism. E. Snyder. 2,005,510; June 18.
Press: *See*—
Baling press. Tandem power press.
Press mechanism. D. D. Huyett. 2,005,260; June 18.
Press motion, Cylinder. A. G. Bowles. 2,005,216; June 18.
Priming mixture. J. D. McNutt. 2,005,197; June 18.
Printing apparatus. E. R. Newcomb. 2,005,046; June 18.
Product for treating bitumens. O. Smiley. 2,005,113; June 18.
Propeller, Variable. F. M. Kent. 2,005,343; June 18.
Puller: *See*—
Wheel puller.
Pump: *See*—
Fuel injection pump. Rotary pump.
Fuel pump. Self priming pump.
Liquid pump.
Pump and the like, Centrifugal. J. Lichtenstein 2,005,429; June 18.
Pump for automatic periodically working gas analyzers. R. Praützsch. 2,005,504; June 18.
Pump piston lubrication construction. I. M. Phillips and P. W. Kalinsey. 2,005,107; June 18.
Rack: *See*—
Glass rack.
Rack and display stand, Storage battery charging. R. F. W. Heyer. 2,005,623; June 18.
Radiator, Concealed. L. P. Dwyer. 2,005,226; June 18.
Radiator structure. A. B. Modine. 2,005,235; June 18.
Radioreceiver and timepiece, Combination. A. McL. Nicolson. 2,005,158; June 18.
Razor. H. G. Pressentin. 2,005,164; June 18.
Razor, One piece folding. A. W. Krieger. 2,005,080; June 18.
Receptacle: *See*—
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Receptacle for a photographic reproducing machine, Document. C. J. Hughey. 2,005,370; June 18.
Recording meter. R. Pudelko. 2,005,108; June 18.
Reel arm for motion picture projectors. P. S. Mallekson 2,005,096; June 18.
Refrigerating apparatus. O. M. Summers. 2,005,057; June 18.
Refrigerating method and apparatus. A. L. Still 2,005,354; June 18.
Refrigeration. A. Flukes. 2,005,258; June 18.
Regulator: *See*—
Voltage regulator.
Regulator. A. H. Wiedhofft. 2,005,445; June 18.
Relaying system. E. H. Klemmer. 2,005,144; June 18.
Relaying system with directional indication storage. R. D. Evans and W. A. Lewis. 2,005,136; June 18.
Resinous compounds. R. Hill. 2,005,499; June 18.
Rheostat. H. J. Bertram. 2,005,516; June 18.
Ring: *See*—
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Riveting machine. G. H. Leland. 2,005,261; June 18.
Road grading machine. K. W. Porter. 2,005,683; June 18.
Rod: *See*—
Fishing rod. Ground rod.
Rod for ladles, Stopper. H. R. Belding. 2,005,311; June 18.

Rods or bars, Coiling. W. W. Hill. 2,005,369; June 18.
Rods, tubes, and similar articles, Apparatus for feeding fragile. J. F. Donovan and G. Illingworth. 2,005,496; June 18.
Roll and making the same. G. H. Aupperl. 2,005,358; June 18.
Roller and curtain rod support, Combined shade. P. E. Sprinkel. 2,005,012; June 18.
Rolling mill. G. H. Rose. 2,005,168; June 18.
Roof construction. P. Chapman. 2,005,533; June 18.
Roof demonstrator. A. W. Holt. 2,005,034; June 18.
Roofing, Metallic sheet. O. G. Burriss. 2,005,218-20; June 18.
Rope gearing. O. Ohnesorge. 2,005,438; June 18.
Rotary display apparatus. A. L. and C. L. Harris. 2,005,293; June 18.
Rotary machine. D. S. Faulkner, A. E. Rice, and L. E. Zerbe. 2,005,137; June 18.
Rotary machine. L. E. Zerbe. 2,005,123; June 18.
Rotary pump. B. Mitchell. 2,004,958; June 18.
Rubber for electrical insulation and water resistant materials and producing the same. J. McGavack and R. F. Tefft. 2,005,382; June 18.
Rubbers, Preparing chlorinated. E. Konrad and F. Schwerdtel. 2,005,320; June 18.
Rug holder. E. C. Schacht. 2,005,638; June 18.
Rule, Collable measuring. E. V. Higbee. 2,005,677; June 18.
Rule, Collable measuring. F. A. Volz. 2,005,668; June 18.
Sadiron sole plate. M. W. McArdle. 2,005,234; June 18.
Safety device for sadirons. A. Caruthers, Jr. 2,005,695; June 18.
Salts and other compounds, Recovering. J. C. Whetzel and R. E. Zimmerman. 2,005,120; June 18.
Sanitary napkin. R. J. O'Brien and A. Rubin. 2,005,298; June 18.
Screeding machine. R. D. Shaw. 2,005,508; June 18.
Screw, Self tapping. R. O. Chaffee. 2,005,672; June 18.
Seal. G. M. Jaffin and J. T. Basseches. 2,005,340; June 18.
Seal for axle boxes. A. Albeck. 2,005,526; June 18.
Seal, Grease. J. R. Winter. 2,005,446; June 18.
Seal, Oil. E. T. Lorig. 2,005,587; June 18.
Sealing device. F. E. McCabe. 2,004,997; June 18.
Sealing ring. A. E. Jesser. 2,005,341; June 18.
Seals, Making container. R. S. Westgate and H. C. A. Behr. 2,004,964; June 18.
Seamer for cans, Hand. M. M. Sedwick. 2,005,640; June 18.
Seat: *See*—
Table seat. Vehicle seat.
Selective switch. L. J. Bowne. 2,005,575; June 18.
Selenazoles and preparing them. L. G. S. Brooker and F. L. White. 2,005,411; June 18.
Self priming pump. H. E. La Bour. 2,005,466; June 18.
Separator: *See*—
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Service continuity by high speed reclosing, Obtaining. S. B. Griscom. 2,005,140; June 18.
Sewing machine. G. M. Eames. 2,005,673; June 18.
Sewing machines, Feed reversing mechanism for. S. Lasztoczy. 2,005,656; June 18.
Sewing machines, Stop motion device for. M. McCann. 2,005,679; June 18.
Sex hormones and a compound of a sex hormone with an alkaloid, Extracting. F. Johannessohn and E. Rabald. 2,005,700; June 18.
Sharpener, Cutter. M. H. Hill. 2,005,142; June 18.
Sharpener, Safety blade. R. H. White. 2,005,210; June 18.
Shears, Hedge. P. S. and T. S. Vosbikian. 2,005,694; June 18.
Sheet, Cementitious. R. Dorn and M. Willis. 2,004,955; June 18.
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Sheet metal receptacle. J. Stanitz and G. D. Boyer. 2,005,641; June 18.
Shelf. C. A. Johns. 2,005,372; June 18.
Shellac solution for the production of etched photographic printing forms and preparing it, Ammoniacal. M. Thimann. 2,005,060; June 18.
Shelving. H. J. Onions and R. E. Sandberg. 2,005,593; June 18.
Shield, Dress. H. V. Marsh. 2,005,232; June 18.
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Shoe. J. Sandler. 2,005,007; June 18.
Shoe. F. P. Wagner. 2,005,071; June 18.
Shoe and the manufacture thereof. M. H. Randall. 2,005,048; June 18.
Shoe press pad. W. C. Card, Jr. 2,005,177; June 18.
Shoe size measuring device. L. L. Levy. 2,005,428; June 18.
Shoes and other articles to pressure, Apparatus for subjecting. O. Habicht. 2,005,621; June 18.
Shoes, Manufacturing. J. K. Smith. 2,005,054; June 18.
Shop instrument. H. F. Peterson. 2,005,106; June 18.
Shoulder strap holder. W. J. Smith. 2,005,569–70; June 18.
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Shovel, Hydraulic power. W. W. Sloane. 2,005,482; June 18.
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Shuttle, Automatically threading. I. Snow. 2,005,636; June 18.
Sign: *See*—
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Signaling device. B. L. Bobroff. 2,005,714; June 18.
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Silico fluorides, Production of. E. G. L. Abel. 2,005,488; June 18.
Silk, Manufacture of viscose artificial. H. Sagar, E. Van Weyenbergh, and R. O. Jones. 2,005,664; June 18.
6-methoxy-6'-ethoxythioindigo. C. Krauss and W. Brunner. 2,005,041; June 18.
Slab for viscous liquids, Cooling. E. Metcalfe-Shaw. 2,005,271; June 18.
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Slow-opening valve. W. A. Ray. 2,005,266; June 18.
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Soap base, Refining a. J. W. Bodman. 2,005,333; June 18.
Soaps, Producing high-percentage transparent. W. Pape. 2,005,160; June 18.
Solder coupling. A. H. Herr. 2,005,189; June 18.
Sole affixing machine. W. C. Card, Jr. 2,005,610; June 18.
Sole-affixing machine. E. T. Franzen. 2,005,616; June 18.
Solution of morphine, Stable. A. Steinbrenck. 2,005,667; June 18.
Sound recording device, Regenerative. B. Kwartin. 2,005,425; June 18.
Sound reproducing apparatus. M. C. Batsel. 2,005,068; June 18.
Sound reproduction projector. G. B. Scheibell. 2,005,596; June 18.
Spar, Purifying natural heavy. J. and M. Müller. 2,005,296; June 18.
Specific gravity indicator. F. E. E. Booss. 2,005,671; June 18.
Spool making machine, Automatic all-metal. J. G. Jones and H. G. Dewey. 2,005,375; June 18.
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Spring structure. W. A. Clark. 2,005,545–5; June 18.
Spring suspension mechanism for vehicles. H. C. Weaver. 2,005,513; June 18.
Spuds and similar fittings in range boilers and other vessels, pipes, etc., Securing. H. W. Kamack. 2,005,087; June 18.
Stairway, Moving. W. S. Graff-Baker. 2,005,067; June 18.
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Standard, Folding. G. K. Parsons. 2,005,002; June 18.
Steam trap. J. W. Kaye. 2,004,953; June 18.
Stoker drive mechanism. H. E. Preston. 2,005,005; June 18.
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Store with revoluble shelves, Self-service. J. H. Carroll 2,005,286; June 18.
Stove, Gas. J. C. Rogers. 2,005,242; June 18.
Strainer for sinks. I. L. Flun. 2,005,459; June 18.
Stylus feed mechanism for phonographs. R. F. Mallins. 2,005,588; June 18.
Suction filter. H. Zimmer. 2,005,406; June 18.
Suit, Safety bathing. J. Fried. 2,005,460; June 18.
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Support fastening for portable suction cleaners, Dust bag. H. Hertz. 2,005,690; June 18.
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Support for portable suction cleaners, Dust bag. H. Hertz. 2,005,691; June 18.
Supporter, Hose. M. Hawie. 2,005,622; June 18.
Suspension device, Adjustable. E. J. Casper. 2,005,334; June 18.
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Switch and mounting for same, Thermostatic. F. W. Scharf. 2,004,963; June 18.
Switch mechanism, Delayed action. I. E. McCabe. 2,005,195; June 18.
Switch structure. E. J. Dyess. 2,005,413; June 18.
Switches in totalizer systems, Control of. F. Limb. 2,005,151; June 18.
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Tag-fastener and guide therefor. S. Weiss. 2,005,119; June 18.

Tamper and like impact tool. C. Jackson. 2,004,988; June 18.
Tandem power press. J. P. Singiser. 2,005,171; June 18.
Tangent. J. C. Diehl. 2,005,025; June 18.
Tank cleaning device. J. A. Cronin. 2,005,180; June 18.
Tank closures. J. Nelson and V. C. Norquist. 2,005,469; June 18.
Tapering mechanism. G. M. Pelton. 2,005,387; June 18.
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Telephone system. J. Mezar. 2,005,590; June 18.
Telephone system. F. A. Roome and H. W. Haffter. 2,005,357; June 18.
Telephone time-announcing system. T. W. Varley. 2,005,357; June 18.
Television apparatus and method. LeR. J. Leishman. 2,005,344; June 18.
Temperature controlling device. A. H. Heyroth. 2,005,584; June 18.
Templet, Letter outlining. H. De Oslund. 2,005,255; June 18.
Textile materials, Impregnation of. P. Schidrowitz. 2,005,637; June 18.
Threshing. E. E. Wickersham. 2,005,212; June 18.
Throttle control mechanism. F. E. Liverance, Jr. 2,005,202; June 18.
Ticket and ticket holder. M. Macdonald. 2,005,346; June 18.
Tile. H. Marsh and R. M. Chesney. 2,005,380; June 18.
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Tillage disk bearing. A. E. W. Johnson. 2,005,547; June 18.
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Toaster. A. J. Braun. 2,005,253; June 18.
Toaster construction. P. O. Derringer. 2,005,364; June 18.
Toaster, Electric. C. P. Randolph. 2,005,635; June 18.
Tool: *See*—
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Toothbrush. E. Doll. 2,005,337; June 18.
Torque-measuring device. B. F. Jenkins. 2,004,950; June 18.
Track assembly. W. K. McMillan. 2,005,436; June 18.
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Truck, Coal delivery. E. H. McAfee. 2,005,552; June 18.
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Tubular members, Connecting. M. H. Rix. 2,005,205; June 18.
Tumbler, Drying. C. M. Otis. 2,005,386; June 18.
Turnstile. D. R. Bacon and L. H. Downs. 2,004,971; June 18.
2-acetylamino-3-chloranthraquinone, Product of. F. Helwert and A. Palm. 2,005,317; June 18.
Typewriter attachment. D. Friesel. 2,004,938; June 18.
Typewriting machine. M. Garbell. 2,005,185; June 18.
Universal joint. E. F. Pilger. 2,005,202; June 18.
Upholstery covering structure. W. I. Jones. 2,005,670; June 18.
Upholstery panels and applying fasteners thereto, Making. R. F. Walters. 2,005,669; June 18.
Urea-formaldehyde condensation products and artificial material therefrom, Manufacture of. R. Armenault. 2,004,970; June 18.
Urea with formaldehyde or the polymeric bodies thereof and the product obtained therefrom, Condensing. J. Malet and R. Armenault. 2,004,996; June 18.
Utensil lifter, Kitchen. O. Haemmerle. 2,005,032; June 18.
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Valve. G. S. Bowes. 2,005,128; June 18.
Valve assembly for well pumps. J. Penrod. 2,005,299; June 18.
Valve for producing alternating currents, Ion. K. E. Eriksson and U. Lamm. 2,005,458; June 18.
Valve generator, Stabilizing the frequency of a. E. B. Moullin. 2,005,236; June 18.
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Vizor or sunshade, Polarizing. E. H. Land. 2,005,426; June 18.
Voltage regulator. F. C. Coates. 2,005,363; June 18.
Wagon, Folding caddy. E. J. Schwabe. 2,005,566; June 18.
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Wall structure. G. H. Knemmerling. 2,005,376; June 18.
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Washer and drier, Golf ball. J. C. Stutz. 2,005,115; June 18.
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Water tube boiler. F. Graafen. 2,005,543; June 18.
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Welding, Method and apparatus for. J. L. Adams, Jr. 2,005,329; June 18.
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Wheel puller. A. L. Cornwell. 2,005,534; June 18.
Windmill. O. R. Olson and H. L. Mika. 2,005,470; June 18.
Window curtain support. G. M. O. Jenkins. 2,005,546; June 18.
Wiper and heater, Combination windshield. E. B. Gary and E. A. Ebert. 2,005,581; June 18.
Wire gauze, Process and apparatus for the manufacture of. K. Schmid. 2,005,270; June 18.
Wireless apparatus. A. V. Pettman and W. Reed-Lethbridge. 2,005,388; June 18.
Work pieces, Apparatus for sinking tubular. R. Bannister. 2,005,125; June 18.
Wrapper, Package. I. S. Rosenblatt. 2,005,351; June 18.
Wrapping. J. Schuchat. 2,005,208; June 18.
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X-ray apparatus. J. M. Houtman. 2,005,035; June 18.
Yarn. S. K. Everett. 2,005,539; June 18.
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CLASSIFICATION OF PATENTS

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aero Neck Band & Collar Co. Inc., New York, N. Y. Men's and boys' blouses, collars, shirts, etc. Serial No. 359,643; June 25. Class 39.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras, camera lenses, and shutters. Serial No. 364,702; June 25. Class 26.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras, camera lenses, and shutters. Serial No. 364,704–5; June 25. Class 26.

American Refining Company, Incorporated, New York, N. Y. Motor lubricating oil. Serial No. 364,168; June 25. Class 15.

Associate British Mfrs. (See Finch, Miles L.)

Associated Publications, Inc., Kansas City, Mo. Periodical. Serial No. 363,139; June 25. Class 38.

Autosan Corporation of America, The, New York, N. Y. Composition in the nature of an adhesive for preventing flat tires. Serial No. 363,546; June 25. Class 5.

Bagedonow, I. M., Inc., New York, N. Y. Women's and misses' coats, suits, and skirts. Serial No. 364,911; June 25. Class 39.

Beach & Arthur, Inc., Indianapolis, Ind. Paper napkins and table cloths. Serial No. 360,986; June 25. Class 37.

Beck, Koller & Co., Inc., Detroit, Mich. Resins, resin solutions, and oils. Serial No. 363,993; June 25. Class 6.

Bond Electric Corporation, Jersey City, N. J. Electrolytic, electrostatic condensers. Serial No. 363,648; June 25. Class 21.

Boye Needle Company, The, Chicago, Ill. Knitting pins for hand use. Serial No. 362,768; June 25. Class 40.

Brayton, Durlin E., Laguna Beach, Calif. Earthenware and crockery products. Serial No. 361,717; June 25. Class 30.

Breese, Paula A. M., doing business as Tampad Co., Woodbury, Long Island, N. Y. Absorbent catamenial tampons. Serial No. 364,221; June 25. Class 44.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, chewing tobacco, smoking tobacco, etc. Serial No. 365,022; June 25. Class 17.

Brownstein-Louis Company, Los Angeles, Calif. Overalls. Serial No. 364,269; June 25. Class 39.

Camme Corporation, The, New York, N. Y. Underwear. Serial Nos. 363,552–3; June 25. Class 39.

Cattaraugus Cutlery Company, Little Valley, N. Y. Knife. Serial No. 364,854; June 25. Class 23.

Central Paper Company, Muskegon, Mich. Wrapping papers. Serial No. 363,914; June 25. Class 37.

Central Yarn Co. Inc., Brooklyn, N. Y. Threads and yarns. Serial No. 363,204; June 25. Class 43.

Cheney Brothers, New York, N. Y. Pile fabrics, silk fabrics, and woolen fabrics in the piece. Serial No. 363,703; June 25. Class 42.

Chisholm Boot Shops, Inc., Cleveland, Ohio. Shoes. Serial No. 361,257; June 25. Class 39.

Ciro Pearls Limited, London, England. Finger rings, jeweled pins, brooches, etc. Serial No. 363,384; June 25. Class 28.

Cohen, Joseph S., & Sons Co., Inc., New York, N. Y. Frocks, dresses, pajamas, and smocks. Serial No. 364,088; June 25. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Frocks and dresses. Serial No. 364,089; June 25. Class 39.

Condenser Corporation of America, Jersey City, N. J. Electrostatic condensers. Serial No. 363,651; June 25. Class 21.

Condenser Corporation of America, Jersey City, N. J. Electrolytic, electrostatic condensers. Serial No. 363,652; June 25. Class 21.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery for women. Serial Nos. 364,714–16; June 25. Class 39.

Coty, Inc., New York, N. Y. Perfumes. Serial No. 364,001; June 25. Class 6.

Cravenette Company, U. S. A., The, Hoboken, N. J. Water repellent textile fabrics in the piece. Serial No. 364,862; June 25. Class 50.

Cron & Dehn, Inc., Seattle, Wash. Canned oysters. Serial No. 350,792; June 25. Class 46.

Crown Cork & Seal Company, Inc., Baltimore, Md. Machinery for conveying containers such as bottles and for filling, capping, and agitating such containers, and parts of such machines. Serial No. 349,230; June 25. Class 23.

Dixie-Dame Company, Statesville, N. C. Watermelon pickle, artichoke relish, chutney, etc. Serial No. 359,558; June 25. Class 46.

Eberle Tanning Company, Westfield, Pa. Sole leather. Serial No. 363,970; June 25. Class 1.

Edinburg Citrus Association, Edinburg, Tex. Citrus fruits. Serial No. 363,142; June 25. Class 46.

Esso Inc., Newark, N. J. Lubricating oils. Serial No. 364,004; June 25. Class 15.

Exotic Vanities, Inc., New York, N. Y. Cigarette cases. Serial No. 363,915; June 25. Class 8.

Federal Enameling & Stamping Company, McKees Rocks, Pa. Enameled base metal pots, pans, teakettles, etc. Serial No. 345,850; June 25. Class 13.

Felt Novelty Mfg. Co., New York, N. Y. Athletic trunks, boxing robes, baseball suits, etc. Serial No. 360,529; June 25. Class 39.

Film Treatizor Corporation, New York, N. Y. Devices adapted for preventing and extinguishing fires in motion picture films. Serial No. 364,095; June 25. Class 26.

Finch, Miles L., doing business as Associate British Mfrs., New York, N. Y. Genuine Harris tweed piece goods. Serial No. 362,764; June 25. Class 42.

Gaines-Umphrey Shoe Corporation, Crawfordsville, Ind. Shoes. Serial No. 357,729; June 25. Class 39.

General Pharmacal Company, The, Cincinnati, Ohio. Eyewash. Serial No. 364,284; June 25. Class 6.

General Shoe Corporation, Nashville, Tenn. Shoes. Serial No. 364,007; June 25. Class 39.

Gibbs Manufacturing Company, The, Canton, Ohio. Chemical preparation used as a deodorizer. Serial No. 364,008; June 25. Class 6.

Goerlich's, Inc., Toledo, Ohio. Mufflers for explosive engines. Serial No. 364,720; June 25. Class 23.

Goldring Merchandising Company, New York, N. Y. Coats, suits, and dresses. Serial Nos. 364,058–9; June 25. Class 39.

Goldstein-Wilkins Corporation, New York, N. Y. Silk dress goods. Serial No. 364,286; June 25. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Shock absorbers. Serial No. 364,816; June 25. Class 19.

Gordon Process Company, The, Columbus, Ohio. Pyroxylin cements. Serial No. 364,817; June 25. Class 5.

Grace, Gordon B., doing business as Grace Manufacturing Co., San Francisco, Calif. Dishwashing machines. Serial No. 364,625; June 25. Class 23.

Grier, Frank L., Milford, Del. Impression taking and casting materials made of plastic stone, etc. Serial No. 350,141; June 25. Class 1.

Grover, Emerson D., Chehalis, Wash. Trailers. Serial No. 364,770; June 25. Class 19.

Growers Exchange, Inc., Norfolk, Va. Fresh fruits and vegetables. Serial No. 364,248; June 25. Class 46.

Hat Corporation of America, South Norwalk, Conn. Felt hats for men. Serial No. 364,182; June 25. Class 39.

Hazel-Atlas Glass Company, Wheeling, W. Va. Closures for receptacles. Serial No. 364,337; June 25. Class 50.

Holophane Company, Inc., New York, N. Y. Glassware. Serial No. 355,358; June 25. Class 33.

Horn-Supreme Ice Cream Company, Inc., Baltimore, Md. Frozen confections. Serial No. 364,543; June 25. Class 46.

Huttig Sash & Door Company, St. Louis, Mo. Mill work, particularly sash. Serial No. 364,871; July 25. Class 12.

Hydraulic Coupling Corporation, Detroit, Mich. Machinery shaft couplings. Serial No. 347,358; June 25. Class 23.

Industrial Products, Fargo, N. Dak. Converter transformer. Serial No. 360,965; June 25. Class 21.

Inecto, Inc., New York, N. Y. Hair dyes, hair brighteners, shampoo tints, etc. Serial No. 364,010; June 25. Class 6.

International Cellucotton Products Company, Chicago, Ill. Cleansing tissues. Serial Nos. 363,860–1; June 25. Class 37.

Invisilette, Inc., Chicago, Ill. Invisible underpanty. Serial No. 363,709; June 25. Class 39.

Johnston, Robert A., Co., Milwaukee, Wis. Crackers. Serial No. 363,974; June 25. Class 46.

Klotz Cracker Factory, Limited, New Orleans, La. Cookiecakes. Serial No. 364,063; June 25. Class 46.

Knapp, Joseph P., doing business as J. P. Knapp, New York, N. Y. Periodical known as Pictoria. Serial No. 364,233; June 25. Class 38.

Kohn, Henry, & Sons, Incorporated. Wedding rings. Serial No. 364,674; June 25. Class 28.

Laytexile Company. (See Whiteley, Edward O.)

Lazarus Egg Corporation, New York, N. Y. Serial No. 363,053; June 25. Class 46.

Lewmac Furs, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial No. 363,399; June 25. Class 39.

Livingston, J. A., Incorporated, New York, N. Y. Garments. Serial No. 364,101; June 25. Class 39.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Hydrocarbon fuels and chemically treated lubricating compositions. Serial No. 364,586; June 25. Class 15.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Hydrocarbon fuels and chemically treated lubricating compositions. Serial No. 364,726; June 25. Class 15.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Magill-Weinsheimer Company, doing business as National Selling Service, Chicago, Ill. Advertising displays, pamphlets, brochures, etc. Serial No. 363,435; June 25. Class 38.

McDuffie, Wm. C., receiver of Richfield Oil Company of California, Los Angeles, Calif. Electrical storage batteries. Serial No. 361,755; June 25. Class 21.

McElroy, John T., Packing Company, East El Paso, Tex. Pure pork sausage, sliced bacon, veal and pork loaf, etc. Serial No. 358,105; June 25. Class 46.

Meshaka, Najeeb N., Boston, Mass. Cigarettes. Serial No. 354,547; June 25. Class 17.

Meyer & Lange, Inc., New York, N. Y. Biscuits or crackers of granular shape. Serial No. 362,263; June 25. Class 46.

Michaels Bros., New York, N. Y. Men's and boys' outer clothing. Serial No. 361,178; June 25. Class 39.

Michels, Peter J., New York, N. Y. Cutlery. Serial No. 359,517; June 25. Class 23.

Monite Company, St. Louis, Mo. Mothproofing materials. Serial No. 364,113; June 25. Class 6.

Motor Oils Refining Corporation, Chicago, Ill. Lubricating oils and greases. Serial No. 360,234; June 25. Class 15.

Mount Vernon Milk Company, Seattle, Wash. Evaporated milk. Serial No. 363,595; June 25. Class 46.

Nation Inc., The, New York, N. Y. Weekly publication. Serial No. 364,636; June 25. Class 38.

National Adhesives Corporation, New York, N. Y. Publication. Serial No. 362,159; June 25. Class 38.

National Mineral Company, Chicago, Ill. Puds for permanently waving human hair. Serial No. 356,360; June 25. Class 44.

National Paper Napkin Manufacturing Co. Inc., Chicago, Ill. Paper folded napkins. Serial No. 364,433; June 25. Class 37.

National Selling Service. (See Magill-Weinsheimer Company.)

National Washboard Company, Chicago, Ill. Ironing tables. Serial Nos. 365,088–90; June 25. Class 24.

Nea Service, Inc., Cleveland, Ohio. Comic drawings published in a series. Serial No. 364,015; June 25. Class 38.

Nenkirch, Frank, Chicago, Ill. Bird feeds. Serial No. 363,882; June 25. Class 46.

Noah's Ark Auto Accessories, Inc., Rochester, N. Y. Skates. Serial No. 364,967; June 25. Class 22.

Ohio Ferro-Alloys Corporation, Canton, Ohio. Ferro-alloys. Serial No. 364,968; June 25. Class 14.

Oil Well Supply Company, Dallas, Tex. Machinery and tools used in the industry of well drilling and the operation of oil and gas wells. Serial No. 358,943; June 25. Class 23.

Oxford Undergarment Corporation, New York, N. Y. Ladies' undergarments. Serial No. 363,564; June 25. Class 39.

Pacific Coast Borax Company, New York, N. Y. Borax, boric acid, boric acid spangles, etc. Serial No. 364,302; June 25. Class 6.

Pacific Mills, Lawrence and Boston, Mass. Woolen piece goods. Serial No. 364,192; June 25. Class 42.

Paragon Rubber Corporation, New York, N. Y. Semi-hard rubber composition material used in the manufacture of toys and dolls. Serial No. 364,925; June 25. Class 1.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 363,637; June 25. Class 6.

Patons & Baldwins, Limited, Halifax, England. Knitting yarns of wool. Serial No. 364,069; June 25. Class 43.

Pharmaco-Chemical Products Company, Limited, The, London, England. Medicine for the treatment of gouty and rheumatismal affections. Serial No. 364,071; June 25. Class 6.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial Nos. 364,078–81; June 25. Class 46.

Pioneer Mfg. Company, The, Cleveland, Ohio. Disinfectants, germicides, liquid insecticides, etc. Serial No. 360,389; June 25. Class 6.

Polar-Werke A.-G., Remscheid, Germany. Skates. Serial No. 364,591; June 25. Class 22.

Procter & Gamble Company, The, Cincinnati, Ohio. Bulk vegetable shortening. Serial No. 364,682; June 25. Class 46.

Puritan Mills, Inc., Chicago, Ill. Prepared flour. Serial No. 364,788; June 25. Class 46.

Quick Coffee Company, The, Grosse Pointe Farms, Mich. Coffee. Serial No. 364,021; June 25. Class 46.

Railroad Accessories Corporation, New York, N. Y. Padlocks. Serial No. 365,213; June 25. Class 25.

Rappaport, Isiedor, New York, N. Y. Sport jackets and sport coats. Serial No. 344,309; June 25. Class 39.

Rath Packing Company, The, Waterloo, Iowa. Canned pork. Serial No. 356,373; June 25. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Canned spiced meat. Serial No. 356,372; June 25. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Canned tongue and packed bacon. Serial No. 356,374; June 25. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Spiced pork loin with natural juices, ham, butter, sausages, etc. Serial No. 356,368; June 25. Class 46.

Reliance Manufacturing Company, Chicago, Ill. Shirts. Serial No. 364,195; June 25. Class 39.

Renstrom, C. W., doing business as Tip-Top Products Company, Omaha, Nebr. Liquid solder. Serial No. 363,063; June 25. Class 5.

Rhodes, Marie J., New York, N. Y. Air conditioning, cooling, and heating units. Serial No. 364,736; June 25. Class 34.

Richfield Oil Company of California. (See McDuffie, Wm. C., receiver.)

Rotary Shirt Co. Inc., New York, N. Y. Shirts and collars. Serial No. 361,119–21; June 25. Class 39.

Roundsman Food Products, Inc., Newton Lower Falls, Mass. Canned cocoa, puddings, and malt-cocoa. Serial No. 362,760; June 25. Class 46.

Sacks-Barlow Foundries, Inc., Newark, N. J. Heel, toe, and sole plates for boots and shoes. Serial No. 362,632; June 25. Class 13.

Sanitary Fixtures Company of North America, The, New York, N. Y. Bidets, toilet bowls, lavatories, etc. Serial No. 363,194; June 25. Class 13.

Schelter Last Co., Inc., Rochester, N. Y. Shoe trees. Serial No. 363,604; June 25. Class 50.

Schweizerische Seidengazefabrik A. G., Zurich, Switzerland. Bolting cloth and stencil cloth. Serial No. 362,052; June 25. Class 42.

Shaw, Alex D., & Co., Inc., New York, N. Y. Wines. Serial No. 364,359; June 25. Class 47.

Sherwin-Williams Co., The, Cleveland, Ohio. Ink pigments, printing inks, and lithographing inks. Serial No. 363,297; June 25. Class 11.

Smith Thornburg Company, Phoenix, Ariz. Fresh vegetables, cantaloupes, honey dew and casaba melons. Serial No. 364,397; June 25. Class 46.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cutting oils. Serial No. 363,126; June 25. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. Serial No. 364,793; June 25. Class 15.

Staats-Herold Corporation, New York, N. Y. Daily newspaper. Serial No. 364,522; June 25. Class 38.

Staats-Herold Corporation, New York, N. Y. Sunday newspaper. Serial No. 364,521; June 25. Class 38.

Standard Oil Company of New Jersey, Wilmington, Del. Felt pads, combined with a liquid feeding reservoir for oiling floors. Serial No. 360,943; June 25. Class 29.

Stanley, W. F., and Company Limited, London, England. Sextants, telescopes, chart rules, etc. Serial No. 362,241; June 25. Class 26.

Stanley Works, The, New Britain, Conn. Box strapping. Serial No. 363,770; June 25. Class 13.

Stickley, L. & J. G., Inc., Fayetteville, N. Y. Chairs and settees. Serial No. 343,489; June 25. Class 32.

Superior Sheet Metal Works Company, Indianapolis, Ind. Gravity type of cream separator. Serial No. 353,862; June 25. Class 23.

Tampad Co. (See Breese, Paula A. M.)

Thomas & Marcus, Inc., New York, N. Y. Women's chemises, pantties, and slips. Serial No. 364,255; June 25. Class 39.

Thorncraft, Incorporated, Chicago, Ill. Toy boats and construction parts therefor. Serial Nos. 360,944–5; June 25. Class 22.

Tip-Top Products Company. (See Renstrom, C. W.)

Tokheim Oil Tank & Pump Co., Fort Wayne, Ind. Self-measuring pumps. Serial No. 364,899; June 25. Class 26.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Enzyme used in converting starch. Serial No. 364,031; June 25. Class 6.

Vega Manufacturing Corporation, Wilmington, Del. Insulated wire and insulating and heat resisting compounds for electrical apparatus. Serial No. 364,746; June 25. Class 21.

Vismopathic Institute of America, Dayton, Ohio. Publication. Serial No. 364,644; June 25. Class 38.

Wamsutta Mills, New Bedford, Mass. Cotton piece goods. Serial No. 363,075; June 25. Class 42.

Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases and sheets. Serial No. 363,077; June 25. Class 42.

Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts, and sportswear. Serial No. 363,076; June 25. Class 39.

Warner Bros. Pictures, Inc., New York, N. Y. Motion pictures and motion picture films. Serial No. 364,648; June 25. Class 26.

Weber Costello Co., Chicago Heights, Ill. Crayons and blackboard erasers. Serial No. 361,701; June 25. Class 37.

Wetterau, G. H., & Sons Grocer Co., St. Louis, Mo. Coffee. Serial No. 364,314; June 25. Class 46.

Whiteley, Edward O., doing business as Laytexile Company, San Francisco, Calif. Rugs and carpets. Serial No. 362,982; June 25. Class 42.

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Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 364,265; June 25. Class 46.

Winchester Repeating Arms Company, New Haven, Conn. Cartridges for use in rifles or revolvers or both. Serial No. 362,896; June 25. Class 9.

Wolverine Brass Works, Grand Rapids, Mich. Metal pipe elbows, T's, couplings, etc. Serial No. 364,158; June 25. Class 13.

Wolverine Brass Works, Grand Rapids, Mich. Traps for plumbing, sink, lavatory and wash tray connections, etc. Serial No. 364,159; June 25. Class 13.

Wright's Underwear Co. Inc., New York, N. Y. Athletic underwear, undershirts, and shorts. Serial No. 363,838; June 25. Class 39.

Zotos Corporation, New York, N. Y. Hair waving solutions. Serial Nos. 364,038–9; June 25. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Acheson Colloids Corporation, Port Huron, Mich. Energy-transmitting fluids for use in hydraulic brake systems, shock absorbers, etc. 325,416; June 25; Serial No. 359,493; published Apr. 16, 1935. Class 6.

Agress, Leo, Inc., Albuquerque, N. Mex. Pinon nuts. 325,561; June 25; Serial No. 347,003; published Apr. 16, 1935. Class 46.

Air Reduction Sales Company, New York, N. Y. Gas pressure regulators. 325,449; June 25; Serial No. 361,866; published Apr. 16, 1935. Class 13.

Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany. Sewing machines, parts thereof, and accessories, festooning machines, etc. 325,426; June 25; Serial No. 353,972; published Apr. 16, 1935. Class 23.

Alligator Company, The, St. Louis, Mo. Raincoats and topcoats. 325,575; June 25. Class 39.

Alpert & Broder, Inc., New York, N. Y. Thread and yarn. 325,335; June 25; Serial No. 360,197; published Apr. 2, 1935. Class 43.

Alpine Excelsior Co., Inc., New York, N. Y. Packing materials, bedding, and upholstery supplies. 325,546; June 25; Serial No. 359,840; published Apr. 9, 1935. Class 1.

American Agricultural Chemical Company, The. (See Patapsco Guano Company.)

American Murex Corporation, New York, N. Y. Welding electrodes. 325,438; June 25; Serial No. 361,042; published Apr. 16, 1935. Class 14.

American Paper Goods Company, The, Kensington, Conn. Containers composed of paper. 325,491; June 25; Serial No. 361,795; published Apr. 16, 1935. Class 2.

American Steel Foundries, Chicago, Ill. Draft rigging. 325,570; June 25. Class 19.

Ankyra Manufacturing Company. (See Mellor, Norman.)

Armour and Company, Chicago, Ill. Specific activators of the intestinal digestive glands. 105,180; renewed July 13, 1935.

Ashton, G. A., Company, Inc., St. Paul, Minn. Automotive products. 325,558; June 25; Serial No. 356,792; published Apr. 16, 1935. Class 21.

Atlas Import & Export Corporation, New York, N. Y. Wines. 325,413; June 25; Serial No. 359,341; published Apr. 16, 1935. Class 47.

Auto Lee Stores, Inc., New Orleans, La. Inner tubes. 325,495; June 25; Serial No. 361,715; published Apr. 16, 1935. Class 35.

Ayerst, McKenna & Harrison, Ltd., Montreal, Quebec, Canada. Anterior pituitary-hormone medicinal product for the control of thyroid dysfunctions. 325,526; June 25; Serial No. 361,249; published Apr. 16, 1935. Class 6.

Ayerst, McKenna & Harrison, Ltd., Montreal, Quebec, Canada. Concentrated vitamin B medicinal product of a highly concentrated form of brewers' yeast (saccharomyces cerevisiae) and wheat embryo. 325,527; June 25; Serial No. 361,247; published Apr. 16, 1935. Class 6.

Aztec Buying Corp., Los Angeles, Calif. Wine. 325,448; June 25; Serial No. 361,870; published Apr. 16, 1935. Class 47.

Aztec Buying Corp., Los Angeles, Calif. Whiskey. 325,582; June 25. Class 49.

Bayer Company, Inc., The, New York, N. Y. Sedative. 106,199; renewed Oct. 19, 1935.

Bayer Company, Inc., The, New York, N. Y. Antirheumatic. 106,200; renewed Oct. 19, 1935.

Bayer Company, Inc., The, New York, N. Y. Purgative. 106,201; renewed Oct. 19, 1935.

Bayer Company, Inc., The, New York, N. Y. Sedative and hypnotic. 106,202; renewed Oct. 19, 1935.

Bayer Company, Inc., The, New York, N. Y. Antigonorrheic and astringent medical substance. 106,285; renewed Oct. 19, 1935.

Bell, Carlton D., doing business as Dr. Bell Wonder Medicine Co., Kingston, Ontario, Canada, and Alexander Bay, N. Y. Veterinary medicines. 325,548; June 25; Serial No. 359,940; published Apr. 16, 1935. Class 6.

Belmont Ale Brewery Company, Rockwood, Pa. Beer and ale. 325,501; June 25; Serial No. 361,602; published Apr. 16, 1935. Class 48.

Best & Co., Inc., New York, N. Y. Dresses, coats, sweaters, etc. 325,585; June 25. Class 39.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 325,566–7; June 25. Class 42.

Billington, Jas. H., Co., Philadelphia, Pa. Textile machinery parts. 325,516; June 25; Serial No. 361,453; published Apr. 16, 1935. Class 23.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Smoking tobacco. 325,475; June 25; Serial No. 362,219; published Apr. 16, 1935. Class 17.

Boott Mills, Lowell, Mass. Cotton-bags. 106,401; renewed Oct. 19, 1935.

Borden Southern Company, The, New York, N. Y. Butter. 325,484; June 25; Serial No. 360,877; published Apr. 16, 1935. Class 46.

Botany Worsted Mills, Passaic, N. J. Yarns of wool, worsted, cotton, etc. 325,406; June 25; Serial No. 358,428; published Apr. 2, 1935. Class 43.

Bowler Brewing Company, Worcester, Mass. Malt beverages. 325,453; June 25; Serial No. 343,910; published Jan. 16, 1934. Class 48.

Brockelman Bros Inc., Worcester, Mass. Coffee. 325,525; June 25; Serial No. 361,251; published Apr. 16, 1935. Class 46.

Buckley, Newhall Company, The, New York, N. Y. Sewing-machines, vacuum-cleaners, and carpet-sweepers. 106,205–6; renewed Oct. 19, 1935.

Buckley-Newhall Company, The, New York and Brooklyn, N. Y., to The Buckley, Newhall Company, New York, N. Y. Baby-carriages and go-carts. 106,207–8; renewed Oct. 19, 1935.

Buckley-Newhall Company, The, New York and Brooklyn, N. Y., to The Buckley, Newhall Company, New York, N. Y. Phonographs, talking-machines, pianos, etc. 106,209–10; renewed Oct. 19, 1935.

Buckley-Newhall Company, The, New York and Brooklyn, N. Y., to The Buckley, Newhall Company, New York, N. Y. Refrigerators. 106,211–12; renewed Oct. 19, 1935.

California Vineyards Company, Chicago, Ill. Wines. 325,521; June 25; Serial No. 361,355; published Apr. 16, 1935. Class 47.

Campbell & Woods Company, The, Pittsburgh, Pa. Blended coffees. 104,013; renewed Apr. 27, 1935.

Carl Company, The, Schenectady, N. Y. Cotton piece goods. 104,708; renewed June 15, 1935.

Cen-Tennial Cotton Gin Co., Columbus, Ga. Cotton gins, feeders, cleaners, etc. 325,436; June 25; Serial No. 361,080; published Apr. 16, 1935. Class 23.

Chess, Mary, Inc., New York, N. Y. Toilet preparations. 325,423; June 25; Serial No. 351,346; published Apr. 16, 1935. Class 6.

Chi-Namel Company, The, Cleveland, Ohio and Chicago, Ill. Varnishes, paints, enamels, etc. 325,417; June 25; Serial No. 359,613; published Apr. 16, 1935. Class 16.

Citrus Products Company, Chicago, Ill. Maltless beverages and syrups. 325,420; June 25; Serial No. 349,708; published Sept. 25, 1934. Class 45.

Clamage, Barney, Distilling Co., Chicago, Ill. Whiskey. 325,564; June 25. Class 49.

Cleveland Worsted Mills Co., The, Cleveland, Ohio. Woolen piece goods. 106,410; renewed Oct. 19, 1935.

Clopay Corporation, Cincinnati, Ohio. Window shades. 325,464; June 25; Serial No. 360,759; published Apr. 16, 1935. Class 32.

Clopay Corporation, Cincinnati, Ohio. Kits for sealing glasses and jars. 325,515; June 25; Serial No. 360,761; published Apr. 16, 1935. Class 50.

Coleman Lamp and Stove Company, The, Wichita, Kans. Fuel burning mantles. 325,549; June 25; Serial No. 359,985; published Apr. 16, 1935. Class 34.

Collins-Dietz-Morris Company, Oklahoma City, Okla. Canned fish and crustaceans, vegetables, fruits, and berries, etc. 325,494; June 25; Serial No. 361,726; published Apr. 16, 1935. Class 46.

Colorado Fuel and Iron Products Company, The, Denver, Colo. Tar paint. 325,555; June 25; Serial No. 360,524; published Feb. 26, 1935. Class 16.

Columbus Ice Cream and Creamery Company. (See Cox, Davis S.)

Cooperman, Arthur J., & Co., New York, N. Y. Gold jewelry. 325,500; June 25; Serial No. 361,607; published Apr. 16, 1935. Class 28.

Connell, J. M., Shoe Co., Inc., South Braintree, Mass. Boots and shoes. 325,520; June 25; Serial No. 361,383; published Apr. 9, 1935. Class 39.

Corning Glass Works. (See Steuben Glass Works.)

Cottage Creamery Co., The, Cleveland, Ohio. Oleomargarine. 325,471; June 25; Serial No. 362,402; published Apr. 16, 1935. Class 46.

Cox, Davis S., doing business as Columbus Ice Cream and Creamery Company, Columbus, Miss. Sweet milk, butter milk, ice cream, etc. 325,559; June 25; Serial No. 356,981; published Apr. 16, 1935. Class 46.

Crane & Co., Inc. (See Eaton, Crane & Pike Company, assignor.)

Crosby, Percy L., McLean, Va. Drawings for illustrative purposes and reproduction, and cartoons. 325,478; June 25; Serial No. 362,136; published Apr. 16, 1935. Class 38.

Crown Fabrics Corporation, New York, N. Y. Cotton fabrics in the piece. 325,574; June 25. Class 42.

Crown Fastener Corporation, Wilmington, Del., and New York, N. Y. Slide fasteners. 325,543; June 25; Serial No. 359,615; published Apr. 16, 1935. Class 13.

Cummings, V. Clyde, Salt Lake City, Utah. Candies. 325,435; June 25; Serial No. 361,138; published Apr. 16, 1935. Class 46.

Davega-City Radio, Inc., New York, N. Y. Ice skates with shoes attached. 325,474; June 25; Serial No. 362,299; published Apr. 16, 1935. Class 22.

De Hoyos y Vinent, Jose M., Jerez de la Frontera, Spain. Wine. 325,398; June 25; Serial No. 357,722; published Mar. 26, 1935. Class 47.

Dennison Manufacturing Company, Framingham, Mass. String tags. 325,447; June 25; Serial No. 361,880; published Apr. 16, 1935. Class 37.

De Wolf Furnace Corporation, Rochester, N. Y. Specially shaped refractory elements and metal parts for furnace wall and arch construction. 325,467; June 25; Serial No. 360,627; published Apr. 16, 1935. Class 34.

Dow, Jones & Co. Inc., New York, N. Y. Section or department of a commercial daily paper. 325,446; June 25; Serial No. 361,881; published Apr. 16, 1935. Class 38.

Dox Company, The, Hastings, Nebr. Tooth powder. 325,552; June 25; Serial No. 360,433; published Apr. 16, 1935. Class 6.

Duckham, William C., Madison, N. J. Sterilized earth and the like. 325,545; June 25; Serial No. 359,714; published Apr. 16, 1935. Class 1.

Dutch Made Foods, Inc., Buffalo, N. Y. Cheese crackers. 325,461; June 25; Serial No. 362,073; published Apr. 16, 1935. Class 46.

Dwiggins Wire Fence Company, Anderson, assignor to Mid-States Steel & Wire Company, Crawfordsville, Ind. Metal fencing, gates, and fence-posts. 104,381; renewed May 25, 1935.

Eagle Knitting Mills, Milwaukee, Wis. Knitted caps and hats. 325,542; June 25; Serial No. 344,771; published Apr. 16, 1935. Class 39.

Eaton, Crane & Pike Company, Pittsfield, assignor, by mesne assignments, to Crane & Co., Inc., Dalton, Mass. Paper, envelops, tablets, etc. 104,179; renewed May 4, 1935.

Ebbert, Daniel F., Wheeling, W. Va. Finger rings. 325,470; June 25; Serial No. 360,118; published Apr. 16, 1935. Class 28.

Eddystone Manufacturing Company, The, Eddystone and Philadelphia, to The Eddystone Manufacturing Company, Eddystone, Pa. Printed and dyed cotton goods. 105,432; renewed July 27, 1935.

Enro Shirt Co., The, Louisville, Ky. Men's dress and negligee shirts, underwear, and pajamas. 325,563; June 25. Class 39.

Field Publications, Inc., New York, N. Y. Magazine section. 325,482; June 25; Serial No. 362,023; published Apr. 16, 1935. Class 38.

Fixler Bros., Inc., Chicago, Ill. Embroidery thread. 325,468; June 25; Serial No. 360,584; published Apr. 2, 1935. Class 43.

Flint and Walling Manufacturing Co., Kendallville, Ind. Machinery and tools and parts thereof. 105,015; renewed June 29, 1935.

Fortnum & Mason, Limited, London, England. Australian wines. 325,402; June 25; Serial No. 358,048; published Apr. 16, 1935. Class 47.

Fortnum & Mason, Limited, London, England. Sherry wine. 325,403; June 25; Serial No. 358,049; published Apr. 16, 1935. Class 47.

Friedlander, M., Knitting Company, Milwaukee, Wis. Knitted gloves, mittens, scarfs, etc. 325,510; June 25; Serial No. 360,847; published Apr. 9, 1935. Class 39.

Geller, H., & Sons, Inc., New York, N. Y. Fur coats, fur muffs, and fur scarfs. 325,553; June 25; Serial No. 360,472; published Mar. 5, 1935. Class 39.

General Carbon & Chemical Corporation, Monroe, La. Activated carbon. 325,418; June 25; Serial No. 349,678; published Apr. 16, 1935. Class 6.

General Mills, Inc., Minneapolis, Minn. Flour. 325,541; June 25; Serial No. 345,582; published Apr. 16, 1935. Class 46.

General Printing Ink Corporation, New York, N. Y. Printing ink. 325,399; June 25; Serial No. 357,814; published Apr. 16, 1935. Class 11.

Gillen, E. O., Corporation, Milwaukee, Wis. Paints, varnishes, etc. 325,410; June 25; Serial No. 359,163; published Apr. 16, 1935. Class 16.

Golden State Agar Company. (See Oliver, Lawrence.)

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Storage batteries. 325,443; June 25; Serial No. 361,957; published Apr. 16, 1935. Class 21.

Grean, Seymour S., New York, N. Y. Fur coats, fur jackets, fur scarfs, etc. 325,580; June 25. Class 39.

Greenfield's, E., Sons, Inc., New York, N. Y. Candy. 325,481; June 25; Serial No. 362,027; published Apr. 16, 1935. Class 46.

Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Banjos, guitars, ukeleles, etc. 325,493; June 25; Serial No. 361,742; published Apr. 16, 1935. Class 36.

Gristede Bros. Inc., New York, N. Y. Natural carbonated water. 325,534; June 25; Serial No. 360,277; published Apr. 16, 1935. Class 45.

Haverfield Company, The, Columbus, Ohio. Hats for women and misses. 325,434; June 25; Serial No. 361,169; published Apr. 9, 1935. Class 39.

Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Leather gloves. 325,404; June 25; Serial No. 358,209; published Apr. 9, 1935. Class 39.

Hercules Powder Company, Wilmington, Del. Smokeless rifle-powder. 106,328; renewed Oct. 19, 1935.

Hercules Powder Company, Wilmington, Del. Electric blasting caps. 325,488; June 25; Serial No. 361,841; published Apr. 16, 1935. Class 9.

Hobbs, Oliver N., Brooklyn, N. Y. Pajamas. 325,581; June 25. Class 39.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 325,517; June 25; Serial No. 361,419; published Apr. 16, 1935. Class 6.

Holland-Rieger, Inc., Sandusky, Ohio. Laundry washing machines. 325,472–3; June 25; Serial Nos. 362,312–3; published Apr. 16, 1935. Class 24.

Hollieb & Co., Chicago, Ill. Canned vegetables. 325,587; June 25. Class 46.

Hy-Kure Laboratories. (See Stevens, Roderick G.)

Imperial Valley Asparagus Growers Ass'n., El Centro, Calif. Fresh fruits and vegetables. 325,400; June 25; Serial No. 357,906; published Apr. 16, 1935. Class 46.

Interurban Petroleum Corp., New York, N. Y. Gasoline. 325,560; June 25; Serial No. 346,639; published Apr. 16, 1935. Class 15.

Irresistible, Inc., New York, N. Y. Nail creams, nail powders, nail polishes, etc. 325,455; June 25; Serial No. 361,470; published Apr. 16, 1935. Class 6.

Irresistible, Inc., New York, N. Y. Eyebrow and eyelash grower, eye drops, eybrow pencils, etc. 325,456–7; June 25; Serial Nos. 361,468–9; published Apr. 16, 1935. Class 6.

Irresistible, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 325,459–60; June 25; Serial Nos. 361,465–6; published Apr. 16, 1935. Class 6.

Jay Gee Hat Co., Inc., New York, N. Y. Ladies' hats. 325,454; June 25; Serial No. 360,541; published Apr. 9, 1935. Class 39.

Jayzan. (See Mendelbaum, Joseph.)

Jeffery Manufacturing Company, The, Columbus, Ohio. Chains and parts, of steel or other base metals, used in machinery and general purposes. 105,915; renewed Aug. 24, 1935.

Jones, Emily, New York, N. Y. Arch supports. 325,589; June 25. Class 44.

Kelly, E. J., Co., Kalamazoo, Mich. Printing and lithographic inks and materials for producing same. 325,442 June 25; Serial No. 361,969; published Apr. 16, 1935. Class 1.

Kenny, C. D., Co., Baltimore, Md. Coffee. 106,624; renewed Oct. 26, 1935.

Knorr, Herman, assignor to Emil Knorr, doing business as Knorr Medical Company, Detroit, Mich. Medicine. 12,393; re-renewed July 17, 1935.

Kongsted, August J. H., doing business as Lovens kemiske Fabrik ved A. Kongsted, Copenhagen, Denmark. Alcoholic solutions, powders, etc., for medical treatment of the skin. 325,425; June 25; Serial No. 353,479; published Apr. 16, 1935. Class 6.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Lard. 325,422; June 25; Serial No. 350,148; published Apr. 16, 1935. Class 46.

Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory brick. 325,499; June 25; Serial No. 361,680; published Apr. 16, 1935. Class 12.

Lansworth, Ray M., Portland, Oreg. Printed charts and reports. 325,405; June 25; Serial No. 358,403; published Apr. 16, 1935. Class 38.

Lee, S. H. P., Co. Inc., The, New York, N. Y. Pharmaceutical preparation. 325,429; June 25; Serial No. 354,511; published Apr. 16, 1935. Class 6.

Little, Brown, and Company, Boston, Mass. Printed books. 325,427; June 25; Serial No. 354,089; published Oct. 16, 1934. Class 38.

Lloyd, E. E., Paper Co., Chicago, Ill. Writing-paper. 104,461; renewed June 1, 1935.

Loewenstein, Hermann, New York, N. Y. Deer skins. 325,519; June 25; Serial No. 361,394; published Apr. 16, 1935. Class 1.

Los Angeles Down Town Shopping News Corporation, Los Angeles, Calif. Advertising newspaper. 325,430; June 25; Serial No. 355,147; published Apr. 16, 1935. Class 38.

Lovens kemiske Fabrik ved. A. Kongsted. (See Kongsted, August J. H.)

Martin, Bob, (Export) Limited, Southport, England. Veterinary preparations. 325,524; June 25; Serial No. 361,277; published Apr. 16, 1935. Class 6.

Marx, Louis, & Co., Inc., New York, N. Y. Dolls and mechanical toys, games, playing cards, etc. 325,588; June 25. Class 22.

May Oil Burner Corporation, Baltimore, Md. Thermal insulation material. 325,409; June 25; Serial No. 358,740; published Apr. 16, 1935. Class 12.

Mellor, Norman, doing business as Ankyra Manufacturing Company, Philadelphia, Pa. Expansion-bolts, anchor-bolts, and toggle-bolts. 105,804; renewed Aug. 17, 1935.

Mendelbaum, Joseph, doing business as Jayzan, New York, N. Y. Polish for metals, glass, marble, etc. 325,498; June 25; Serial No. 361,685; published Apr. 16, 1935. Class 4.

Menihan Company, The, Rochester, N. Y. Shoes. 325,557; June 25; Serial No. 356,629; published Jan. 15, 1935. Class 39.

Midland Chemical Company, Chicago, Ill. Bleaching and disinfective tablets. 325,440; June 25; Serial No. 361,021; published Apr. 16, 1935. Class 6.

Mid-States Steel & Wire Company. (See Dwiggins Wire Fence Company, assignor.)

Miller and Hart, Inc., Chicago, Ill. Prepared pork. 325,586; June 25. Class 46.

Mirax Chemical Products Corporation, St. Louis, Mo. Dispensing containers of metal for fluids. 325,465; June 25; Serial No. 360,723; published Apr. 16, 1935. Class 2.

Modern Laboratories, Minneapolis, Minn. Medicinal tablets. 325,508; June 25; Serial No. 360,853; published Apr. 16, 1935. Class 6.

Montgomery Ward & Co. Inc., New York and Brooklyn, N. Y.; Chicago, Ill.; Fort Worth, Tex.; Kansas City, Mo.; and Portland, Oreg.; to Montgomery Ward & Co., Incorporated, Chicago, Ill. Belting, hose, machinery packing, and tires. 105,667; renewed Aug. 10, 1935.

Morgan & Goetze Knitting Mills, Inc., Irvington, N. J. Woolen yarns. 325,509; June 25; Serial No. 360,854; published Apr. 2, 1935. Class 43.

Morrissette, Nellie D., Montreal, Quebec, Canada. Sloe gin. 325,571; June 25. Class 49.

Murray Deodorisers Limited, Auckland, New Zealand. Dairying apparatus. 325,556; June 25; Serial No. 356,566; published Apr. 16, 1935. Class 23.

Nature Food Centres, Inc., Boston, Mass. Bread, cake, cookies, etc. 325,428; June 25; Serial No. 354,092; published Apr. 16, 1935. Class 46.

Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. 325,533; June 25; Serial No. 360,323; published Apr. 9, 1935. Class 39.

Ohio Match Company, The, Wadsworth, Ohio. Matches. 106,662; renewed Oct. 26, 1935.

Ohio River Refining and Terminal Company, Cincinnati, Ohio. Gasoline. 325,408; June 25; Serial No. 358,563; published Apr. 16, 1935. Class 15.

Oil Refineries, Inc., Shreveport, La. Gasoline, kerosene, oils, and greases. 325,439; June 25; Serial No. 361,059; published Apr. 16, 1935. Class 15.

Oliver, Lawrence, doing business as Golden State Agar Company, San Diego, Calif. Agar-agar. 325,532; June 25; Serial No. 360,324; published Apr. 16, 1935. Class 6.

Otten and Lundahl, Chicago, Ill. Soap. 325,415; June 25; Serial No. 359,398; published Apr. 16, 1935. Class 4.

Parvel Company Incorporated, The, Brooklyn, N. Y. Vegetable shortening. 325,490; June 25; Serial No. 361,816; published Apr. 16, 1935. Class 46.

Patapsco Guano Company, Baltimore, Md., to The American Agricultural Chemical Company, New York, N. Y., successor. Fertilizers. 95,345; renewed Feb. 10, 1934.

Pence Bros. Pharmacal Co., Dayton, Ohio. Beverages sold as soft drinks. 325,462; June 25; Serial No. 362,041; published Apr. 16, 1935. Class 45.

Penick, S. B., & Company, Inc., New York, N. Y. Agricultural and animal insecticides. 325,432–3; June 25; Serial Nos. 361,182–3; published Apr. 16, 1935. Class 6.

Penn Grains and Feed Company, assignor to Penn Grains and Feed Company, Philadelphia, Pa. Brewers' dried grains. 104,074; renewed Apr. 27, 1935.

Perkins Products Company, doing business as The Speedy-Jel Co., Chicago, Ill. Ice cream powder. 325,584; June 25. Class 46.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation for the relief of head and chest colds. 325,469; June 25; Serial No. 361,537; published Apr. 16, 1935. Class 6.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation for oak and ivy poison, sunburn, prickly heat rash, etc. 324,505; June 25; Serial No. 361,538; published Apr. 16, 1935. Class 6.

Phi Sigma Phi Sorority, Huntington Park, Calif. Fraternity badges, lapel buttons, charms, etc. 325,479; June 25; Serial No. 362,124; published Apr. 16, 1935. Class 28.

Pina-Mestre Clinics, Inc., Orlando, Fla. Hernial solution. 325,421; June 25; Serial No. 350,053; published Apr. 16, 1935. Class 6.

Piser, Theodore H., Boston, Mass. Gas heaters. 325,401; June 25; Serial No. 357,991; published Apr. 9, 1935. Class 34.

Plastergon Wall Board Company, Buffalo, N. Y. Thermal and sound insulating wall board. 325,492; June 25; Serial No. 361,767; published Apr. 16, 1935. Class 12.

Pleasure Bar Corp., New York, N. Y. Food and drinking bars. 325,497; June 25; Serial No. 361,691; published Apr. 16, 1935. Class 32.

Poldihütte Tiegelgusszstahlfabrik, Vienna and Kladno, Austria-Hungary, assignor, by mesne assignments, to Poldihütte Aktiengesellschaft, Kladno, Czechoslovakia. Steel blocks and bars, forged pieces for machines, artisans' tools, etc. 103,206; renewed Mar. 23, 1935.

Pollock, Leo, Corp., New York, N. Y. Decorative lighting devices. 325,424; June 25; Serial No. 353,444; published Apr. 16, 1935. Class 21.

Post, E. L., & Co. Inc., New York, N. Y. Babbitt and anti-friction metal. 325,431; June 25; Serial No. 361,180; published Apr. 16, 1935. Class 14.

Post Publishing Co., Los Angeles, Calif. Daily newspaper. 325,441; June 25; Serial No. 361,992; published Apr. 16, 1935. Class 38.

Quest-Shon Mark Brassiere & Corset Mfg. Co. (See Saxe, Herman B.)

Rand, Frank H., doing business as Rand Products Co., Worcester, Mass. Shoe polish. 325,547; June 25; Serial No. 359,928; published Apr. 16, 1935. Class 4.

Raubitschek, Alfred M., Brooklyn, N. Y. Denture blanks and repair fluid for denture blanks. 325,537; June 25; Serial No. 360,077; published Apr. 16, 1935. Class 44.

Reading Shoe Market, Inc., Philadelphia, Pa. Boots and shoes. 325,407; June 25; Serial No. 358,499; published Apr. 16, 1935. Class 39.

Reliance Dental Manufacturing Co., Chicago, Ill. Ampoules containing local anesthetic material for dental purposes. 325,562; June 25; Serial No. 341,842; published Apr. 16, 1935. Class 6.

Remederm Corporation, New York, N. Y. Ointment. 325,483; June 25; Serial No. 360,904; published Apr. 16, 1935. Class 6.

Reporter Publishing Company, Abilene, Tex. Newspaper. 325,504; June 25; Serial No. 361,541; published Apr. 16, 1935. Class 38.

Rex-Hide, Incorporated, East Brady, Pa. Windshield wiper blades. 325,489; June 25; Serial No. 361,818; published Apr. 16, 1935. Class 19.

Rickenbacker, Edward V., New York, N. Y. Cartoons. 325,477; June 25; Serial No. 362,151; published Apr. 16, 1935. Class 38.

Rickenbacker, Edward V., New York, N. Y. Cartoons. 325,503; June 25; Serial No. 361,542; published Apr. 16, 1935. Class 38.

Rite Form Corset Co. Inc., The, New York, N. Y. Corsets and brassières. 325,536; June 25; Serial No. 360,142; published Apr. 9, 1935. Class 39.

Rolandelli Co., San Francisco, Calif. Vermouth. 325,502; June 25; Serial No. 361,543; published Apr. 16, 1935. Class 47.

Salter Canning Company, North Rose, N. Y. Apple sauce. 325,466; June 25; Serial No. 360,647; published Apr. 16, 1935. Class 46.

Sam-Mor Hat Co., Inc., New York, N. Y. Ladies' and misses' hats. 325,554; June 25; Serial No. 360,491; published Apr. 9, 1935. Class 39.

Saxe, Herman B., doing business as Quest-Shon Mark Brassiere & Corset Mfg. Co., Brooklyn, N. Y. Brassières, corsets, corselettes, etc. 325,412; June 25; Serial No. 359,318; published Apr. 16, 1935. Class 39.

Schaefer, F. & M., Brewing Co., The, Brooklyn, N. Y. Beer. 325,583; June 25. Class 48.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 325,576; June 25. Class 39.

Schulte, D. A., Inc., New York, N. Y. Cigars. 325,476; June 25; Serial No. 362,192; published Apr. 16, 1935. Class 17.

Sears, Roebuck and Co., Chicago, Ill. Automobile-oil. 104,846; renewed June 22, 1935.

Sears, Roebuck and Co., Chicago, Ill. Window shades. 325,462; June 25; Serial No. 362,053; published Apr. 16, 1935. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Sinks, bathtubs, lavatories, etc. 325,539; June 25; Serial No. 360,001; published Apr. 16, 1935. Class 13.

Signal Chemical Co., Boston, Mass. Liquid and/or paste cleaner, dressing, and/or polish. 325,523; June 25; Serial No. 361,286; published Apr. 16, 1935. Class 4.

Sindler, Jay J., Malden, Mass. Bodkins for use as food utensils. 325,487; June 11; Serial No. 361,853; published Apr. 16, 1935. Class 23.

Smith, C. Frank, Detroit, Mich. Coffee, tea, and cocoa. 106,808; renewed Oct. 26, 1935.

Sno-Kote Company, The, New York, N. Y. Preparation for cleaning and whitening all kinds of white shoes. 325,480; June 25; Serial No. 362,096; published Apr. 16, 1935. Class 4.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Candles. 325,450; June 25; Serial No. 361,864; published Apr. 16, 1935. Class 15.

Somarco, Lucile, Brassiere, The, New York, N. Y. Brassières, corsets, bandeaux, etc. 325,579; June 25. Class 39.

Southern Fertiliser & Chemical Company, Savannah, Ga. Fertilizers. 325,496; June 25; Serial No. 361,707; published Apr. 16, 1935. Class 19.

Speedy-Jel Co., The. (See Perkins Products Company.)

Springfield Wagon & Trailer Company, Springfield, Mo. Running gear of wagons. 325,544; June 25; Serial No. 359,636; published Apr. 16, 1935. Class 19.

Staley, A. E., Manufacturing Company, Decatur, Ill. Sugar. 325,414; June 25; Serial No. 359,375; published Apr. 16, 1935. Class 46.

Standard Oil Company of New Jersey, Wilmington, Del. Lubricating greases. 325,486; June 25; Serial No. 361,557; published Apr. 16, 1935. Class 15.

Stanley Rule & Level Company, The, assignor to The Stanley Works, New Britain, Conn. Measuring-rules. 106,810; renewed Oct. 26, 1935.

Statnekoo, Anna, New York, N. Y. Animal hair and fibre. 325,522; June 25; Serial No. 361,338; published Apr. 16, 1935. Class 1.

Stettheimer, Hausman Co., San Francisco, Calif. Pullover sweaters, coats, polo shirts, etc. 325,569; June 25. Class 39.

Steuben Glass Works, by merger to Corning Glass Works, Corning, N. Y. Illuminating-glassware. 104,518; renewed June 1, 1935.

Stevens, Roderick G., doing business as Hy-Kare Laboratories, Chicago, Ill. Manipulator (tooth brushes). 325,444-5; June 25; Serial Nos. 361,911-12; published Apr. 16, 1935. Class 29.

Stevenson & Howell, Limited, London, England. Carbonated beverages and fruit essences for making same. 105,566; renewed Aug. 3, 1935.

Sugar Beet Products Company, Saginaw, Mich. Boiler feed water compound. 325,513-14; June 25; Serial Nos. 360,806-7; published Apr. 16, 1935. Class 6.

Superior Oil Works, Warren, Pa. Motor oil. 325,573; June 25. Class 15.

Sylvania Industrial Corporation, New York, N. Y., and Fredericksburg, Va. Yarn. 325,512; June 25; Serial No. 360,810; published Apr. 16, 1935. Class 43.

Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. 325,485; June 25; Serial No. 360,864; published Apr. 16, 1935. Class 46.

Tomlin, Marie, Inc., Dallas, Tex. Acne cream, anti-wrinkle cream, hair tonic, etc. 325,419; June 25; Serial No. 349,691; published Apr. 16, 1935. Class 6.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Woolen and cotton yarns. 325,531; June 25; Serial Nos. 361,194; published Apr. 16, 1935. Class 43.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Cotton yarn. 325,577; June 25. Class 43.

United States Envelope Company, Springfield, Mass. Writing paper and envelopes. 325,578; June 25. Class 37.

Universal Insulation Company, Chicago, Ill. Heat and sound insulation material. 325,529-30; June 25; Serial Nos. 361,195-6; published Apr. 16, 1935. Class 12.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation to be used as an antiseptic. 325,451-2; June 25; Serial Nos. 361,488-9; published Apr. 16, 1935. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation for the treatment of burns. 325,506; June 25; Serial No. 361,491; published Apr. 16, 1935. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation to be used as an antiseptic. 325,507; June 25; Serial No. 361,490; published Apr. 16, 1935. Class 6.

Van Raalte Company, New York, N. Y. Fabric gloves. 325,437; June 25; Serial No. 361,068; published Apr. 9, 1935. Class 39.

Viennese Laboratories, Inc., Brooklyn, N. Y. Rouge, talcum, perfume, etc. 325,551; June 25; Serial No. 360,424; published Apr. 16, 1935. Class 6.

Walser Manufacturing Company, Inc., The, Clifton, N. J. Ribbon made of cellulose film. 325,538; June 25; Serial No. 360,011; published Apr. 16, 1935. Class 37.

Waters-Genter Co., Minneapolis, Minn. Automatic electric coffee urns or coffee pots. 325,411; June 25; Serial No. 359,286; published Apr. 2, 1935. Class 21.

Watson, Harold E., Morristown, N. J. Ash trays. 325,528; June 25; Serial No. 361,237; published Apr. 16, 1935. Class 8.

Wean Engineering Company, The, Warren, Ohio. Mechanical feeder, catcher, and conveying means for conveying packs to and from and through heating furnaces. 325,572; June 25. Class 23.

Weatherfend Products, Inc., New York, N. Y. Chemical preparations for waterproofing and weatherproofing cement, bricks, etc. 325,550; June 25; Serial No. 360,328; published Apr. 16, 1935. Class 12.

Weber, F., Co., Philadelphia, Pa. Oil colors. 325,540; June 25; Serial No. 338,120; published Apr. 16, 1935. Class 16.

Wells-Lamont-Smith Corporation, Minneapolis, Minn. Work gloves. 325,568; June 25. Class 39.

White Top Champagne Company, Hammondsport, N. Y. Sparkling wines. 325,563; June 25; Serial No. 342,251; published Aug. 14, 1934. Class 47.

Whitman, William, Company, Inc., Boston, Mass. Cotton, worsted, and merino yarn. 106,718; renewed Oct. 26, 1935.

Wool Novelty Company, Inc., New York, N. Y. Yarns. 325,511; June 25; Serial No. 360,813; published Apr. 16, 1935. Class 43.

Younghusband, James L., Chicago, Ill. Lipsticks, rouge, perfumes, etc. 325,518; June 25; Serial No. 361,407; published Apr. 16, 1935. Class 6.

LIST OF REGISTRANTS OF LABELS

Berretta, Giuseppe, doing business as Laboratorio Industriale di G. Berretta, Brooklyn, N. Y. Amaro Americano Berretta. For a Medicinal Preparation. 45,862; June 25.

Bohemian Baking Company, Green Bay, Wis. Bohemian's Crushed Wheaten Bread. For Bread. 45,863; June 25.

Carpenter Steel Company, The, Reading, Pa. Carpenter Oil-Hard Matched Tool Steel. For Matched Tool Steel. 45,864; June 25.

Carpenter Steel Company, The, Reading, Pa. Carpenter Oil-Tough Matched Tool Steel. For Matched Tool Steel. 45,865; June 25.

Carpenter Steel Company, The, Reading, Pa. Carpenter Oil-Wear Matched Tool Steel. For Matched Tool Steel. 45,866; June 25.

Dealers Supply Company, Cleveland, Ohio. Mor-A. For Beauty Preparations. 45,867; June 25.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Heavy Duty Ignition Coil. For Coils. 45,868; June 25.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Standard Universal Ignition Coil. For Coils. 45,869; June 25.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Special Universal Ignition Coil. For Coils. 45,870; June 25.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, Ignition Coil. For Coils. 45,871; June 25.

Delco-Remy Corporation, Anderson, Ind. Delco-Remy Service Parts, 6-Volt Ignition Coil. For Coils. 45,872; June 25.

Eljay Laboratories, Inc., Boston, Mass. Scram. For Cleansing Compound. 45,873; June 25.

Hy-Kare Laboratories. (See Stevens, Roderick G.)

Jenco Brothers, Inc., Paterson, N. J. Dixie White Cleans and Preserves All White Footwear—Does Not Rub Off. For Shoe Polish. 45,874; June 25.

Laboratorio Industriale di G. Berretta. (See Berretta, Giuseppe.)

Long, W. E., Co., The, Chicago, Ill. Pruno Concentrate Made from Pure Juice of Dried California Prunes. For Concentrated Prune Juice. 45,875; June 25.

New Era Products Co., Milwaukee, Wis. Princeton Club. For Straight Bourbon Whiskey. 45,876; June 25.

Northwest Sales Company, Detroit, Mich. Solvit Drain Cleaner. For Chemical Drain Cleaner. 45,877; June 25.

Ogilvie Sisters Laboratories, Inc., New York, N. Y. O. G. V. Olive Castile Shampoo. For Shampoo. 45,878; June 25.

Ogilvie Sisters Laboratories, Inc., New York, N. Y. O. G. V. Scalp Pomade. For Scalp Pomade. 45,879; June 25.

Pioneer Toys, Incorporated, Johnson City, Tenn. Daniel Boone Logs. For Construction Game or Toy. 45,880; June 25.

Provensal, Oscar, Woonsocket, R. I. Blue Moon Liquid Velvet Wax. For Polish for Automobiles. 45,881; June 25.

Puziello, Giovanni, & Co. Inc., New Haven, Conn. Little Trees. For an Alcoholic Beverage. 45,882; June 25.

Puziello, Giovanni, & Co. Inc., New Haven, Conn. Kummel Schnee. For an Alcoholic Beverage. 45,883; June 25.

San Gabriel Vineyard Company, San Gabriel, Calif. Old Grape Vine. For Port Wine. 45,884; June 25.

Stevens, Roderick G., doing business as Hy-Kare Laboratories, Chicago, Ill. Hy-Kare. For Gum Massage Jelly and Gum Manipulators (Tooth Brushes). 45,885; June 25.

Supreme Laboratories, Chicago, Ill. F A O. For a Medicated Shampoo for Household Pets. 45,886; June 25.

Telling, George P., Pasadena, Calif. Tel-Pro Skin Balm. For a Skin Balm. 45,887; June 25.

Valvoline Oil Company, Cincinnati, Ohio. Valvoline. For Motor Oil. 45,888; June 25.

Vogue Mfg. Co., Newark, N. J. Lafrinette. For Foundation Garments. 45,889; June 25.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. It Is Vital Now to Keep Her Eenergy High. For Wheat Breakfast Food. 15,228; June 25.

General Mills, Inc., Minneapolis, Minn. Here's Something New That Makes the "Cereal Hating" Child Go for a Great Big Breakfast of Whole Wheat Mornings. For Cereal Food. 15,229; June 25.

Beneral Mills, Inc., Minneapolis, Minn. Bread Helps Make America Go! For Bread. 15,230; June 25.

Goodrich, B. F., Company, The, Akron, Ohio. I'll Risk a Lot for a Newareel Scoop but Blow-Outs Have Me Scared (Ad. No. GBC-55). For Rubber Tires. 15,231; June 25.

Hills Bros., San Francisco, Calif. The Greeks Had a Word for 'Coffee-Floaters'. For Coffee. 15,232; June 25.

Hills Bros., San Francisco, Calif. Picnic Experience Ends 'Coffee-Floating'. For Coffee. 15,233; June 25.

Hills Bros., San Francisco, Calif. Bridegroom Saves Wife from 'Coffee-Floating'. For Coffee. 15,234; June 25.

Lehigh Safety Shoe Co., Inc., Allentown, Pa. Industry Works in Lehigh Safety Shoes. For Leather and Rubber Boots and Shoes. 15,235; June 25.

Melbru Co., Detroit, Mich. Get Honeywise. For Non-Alcoholic Soft Beverages. 15,236; June 25.

Premier-Pabst Corporation, Peoria Heights, Ill. It's Time for Pabst—. For Beer and Ale. 15,237-43; June 25.

Premier-Pabst Corporation, Peoria Heights, Ill. Value on Top of Value—White Banner Malt Labels are Valuable. For Malt Extract. 15,244; June 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Earth and the like, Sterilized. W. C. Duckham. 325,545; June 25; Serial No. 359,714; published Apr. 16, 1935.

Hair and fibre, Animal. A. Statnekoo. 325,522; June 25; Serial No. 361,338; published Apr. 16, 1935.

Packing materials, bedding and upholstery supplies. Alpine Excelsior Co. 325,546; June 25; Serial No. 359,840; published Apr. 9, 1935.

Skins, Deer. H. Loewenstein. 325,519; June 25; Serial No. 361,394; published Apr. 16, 1935.

CLASS 2

Bags, Cotton. Boott Mills. 106,401; renewed Oct. 19, 1935.

Containers composed of paper. American Paper Goods Company. 325,491; June 25; Serial No. 361,705; published Apr. 16, 1935.

Containers of metal for fluids, Dispensing. Mirax Chemical Products Corporation. 325,485; June 25; Serial No. 360,723; published Apr. 16, 1935.

CLASS 4

Cleaner, dressing, and/or polish, Liquid and/or paste. Signal Chemical Co. 325,523; June 25; Serial No. 361,280; published Apr. 16, 1935.

Polish for metals, glass, marble, etc. J. Mendelbaum. 325,498; June 25; Serial No. 361,685; published Apr. 16, 1935.

Polish, Shoe. F. H. Rand. 325,547; June 25; Serial No. 359,928; published Apr. 16, 1935.

Preparation for cleaning and whitening all kinds of white shoes. Sno-Kote Company. 325,480; June 25; Serial No. 362,096; published Apr. 16, 1935.

Soap. Otten and Lundahl. 325,415; June 25; Serial No. 359,398; published Apr. 16, 1935.

CLASS 6

Agar-agar. L. Oliver. 325,532; June 25; Serial No. 360,324; published Apr. 16, 1935.

Ampoules containing local anesthetic material. Reliance Dental Manufacturing Co. 325,562; June 25; Serial No. 341,842; published Apr. 16, 1935.

Anterior-pituitary-hormone medicinal product for the control of thyroid dys-functions. Ayerst, McKenna & Harrison, Ltd. 325,526; June 25; Serial No. 361,249; published Apr. 16, 1935.

Antirheumatic. Bayer Company. 106,200; renewed Oct. 19, 1935.

Astringents, astringent cerates, bleach and beauty creams, etc. Irresistible, Inc. 325,459-60; June 25; Serial Nos. 361,465-6; published Apr. 16, 1935.

Bleaching and disinfective tablets. Midland Chemical Company. 325,440; June 25; Serial No. 361,021; published Apr. 16, 1935.

Boiler feed water compound. Sugar Beet Products Company. 325,513-14; June 25; Serial Nos. 360,806-7; published Apr. 16, 1935.

Carbon, Activated. General Carbon & Chemical Corporation. 325,418; June 25; Serial No. 349,678; published Apr. 16, 1935.

Concentrated vitamin B medicinal product of a highly concentrated form of brewers' yeast (saccharomyces cerevisiae) and wheat embryo. Ayerst, McKenna & Harrison, Ltd. 325,527; June 25; Serial No. 361,247; published Apr. 16, 1935.

Cream, anti-wrinkle cream, hair tonic, etc., Acne. Marie Tomlin, Inc. 325,419; June 25; Serial No. 349,691; published Apr. 16, 1935.

Creams, nail powders, nail polishes, etc., Nail. Irresistible, Inc. 325,455; June 25; Serial No. 361,470; published Apr. 16, 1935. Class 6.

Energy-transmitting fluids for use in hydraulic brake systems, shock absorbers, etc. Acheson Colloids Corporation. 325,416; June 25; Serial No. 359,493; published Apr. 16, 1935.

Eyebrow and eyelash grower, eyedrops, eyebrow pencils, etc. Irresistible, Inc. 325,456-7; June 25; Serial Nos. 361,468-9; published Apr. 16, 1935.

Hernial solution. Pina-Mestre Clinics, Inc. 325,421; June 25; Serial No. 350,053; published Apr. 16, 1935.

Insecticides, Agricultural and animal. S. B. Penick & Company. 325,432-3; June 25; Serial Nos. 361,182-3; published Apr. 16, 1935.

Lipsticks, rouge, perfumes, etc. J. L. Younghusband. 325,518; June 25; Serial No. 361,407; published Apr. 16, 1935.

Medical substance, Antigonorrheic and astringent. Bayer Company. 106,285; renewed Oct. 19, 1935.

Medicinal preparation. Hoffmann-La Roche, Inc. 325,517; June 25; Serial No. 361,419; published Apr. 16, 1935.

Medicinal preparation for oak and ivy poison, sunburn, prickly heat rash, etc. S. Pfeiffer Manufacturing Company. 324,505; June 25; Serial No. 361,538; published Apr. 16, 1935.

Medicinal preparation for the relief of head and chest colds. S. Pfeiffer Manufacturing Company. 325,469; June 25; Serial No. 361,537; published Apr. 16, 1935.

Medicinal preparation for the treatment of burns. Upjohn Company. 325,506; June 25; Serial No. 361,491; published Apr. 16, 1935.

Medicinal preparation to be used as an antiseptic. Upjohn Company. 325,451-2; June 25; Serial Nos. 361,488-9; published Apr. 16, 1935.

Medicinal preparation to be used as an antiseptic. Upjohn Company. 325,507; June 25; Serial No. 361,490; published Apr. 16, 1935.

Medicinal tablets. Modern Laboratories. 325,508; June 25; Serial No. 360,853; published Apr. 16, 1935.

Medicine. H. Knorr. 12,393; re-renewed July 7, 1935.

Medicines, Veterinary. C. D. Bell. 325,548; June 25; Serial No. 359,940; published Apr. 16, 1935.

Ointment. Remederm Corporation. 325,483; June 25; Serial No. 360,904; published Apr. 16, 1935.

Pharmaceutical preparation. S. H. P. Lee Co. Inc. 325,429; June 25; Serial No. 354,511; published Apr. 16, 1935.

Purgative. Bayer Company. 106,201; renewed Oct. 19, 1935.

Rouge, talcum, perfume, etc. Viennese Laboratories, Inc. 325,551; June 25; Serial No. 360,424; published Apr. 16, 1935.

Salves, hair elixers, hair oils, etc., Hair. Irresistible, Inc. 325,458; June 25; Serial No. 361,467; published Apr. 16, 1935.

Sedative. Bayer Company. 106,199; renewed Oct. 19, 1935.

Sedative and hypnotic. Bayer Company. 106,202; renewed Oct. 19, 1935.

Solutions, powders, etc., for medical treatment of the skin, Alcoholic. A. J. H. Kongsted. 325,425; June 25; Serial No. 353,479; published Apr. 16, 1935.

Specific activators of the intestinal digestive glands. Armour and Company. 105,180; renewed July 13, 1935.

Toilet preparations. Mary Chess, Inc. 325,423; June 25; Serial No. 351,346; published Apr. 16, 1935.

Tooth powder. Dox Company. 325,552; June 25; Serial No. 360,433; published Apr. 16, 1935.

Veterinary preparations. Bob Martin (Export) Limited. 325,524; June 25; Serial No. 361,277; published Apr. 16, 1935.

CLASS 8

Ash trays. H. E. Watson. 325,528; June 25; Serial No. 361,237; published Apr. 16, 1935.

CLASS 9

Blasting caps, Electric. Hercules Powder Company. 325,488; June 25; Serial No. 361,841; published Apr. 16, 1935.

Matches. Ohio Match Company. 106,662; renewed Oct. 26, 1935.
Powder, Smokeless rifle. Hercules Powder Company. 106,325; renewed Oct. 19, 1935.

CLASS 10

Fertilizers. Patapsco Guano Company. 95,345; renewed Feb. 10, 1934.
Fertilizers. Southern Fertilizer & Chemical Company. 325,496; June 25; Serial No. 361,707; published Apr. 16, 1935.

CLASS 11

Ink, Printing. General Printing Ink Corporation. 325,399; June 25; Serial No. 357,814; published Apr. 16, 1935.
Inks and materials for producing same, Printing and lithographic. E. J. Kelly Co. 325,442; June 25; Serial No. 361,969; published Apr. 16, 1935.

CLASS 12

Brick, Refractory. Laclede-Christy Clay Products Company. 325,499; June 25; Serial No. 361,680; published Apr. 16, 1935.
Insulation material, Heat and sound. Universal Insulation Company. 325,529–30; June 25; Serial Nos. 361,195–6; published Apr. 16, 1935.
Insulation material, Thermal. May Oil Burner Corporation. 325,409; June 25; Serial No. 358,740; published Apr. 16, 1935.
Preparations for waterproofing and weatherproofing cement, bricks, etc., Chemical. Weatherfend Products, Inc. 325,350; June 25; Serial No. 360,328; published Apr. 16, 1935.
Wall board, Thermal and sound insulating. Plastergon Wall Board Company. 325,492; June 25; Serial No. 361,767; published Apr. 16, 1935.

CLASS 13

Bolts. N. Mellor. 105,804; renewed Aug. 17, 1935.
Chains and parts, of steel or other base metals, used in machinery and general purposes. Jeffery Manufacturing Company. 106,915; renewed Aug. 24, 1935.
Fasteners, Slide. Crown Fastener Corporation. 325,543; June 25; Serial No. 359,615; published Apr. 16, 1935.
Fencing, gates, and fence-posts, Metal. Dwiggins Wire Fence Company. 104,381; renewed May 25, 1935.
Regulators, Gas pressure. Air Reduction Sales Company. 325,449; June 25; Serial No. 361,866; published Apr. 16, 1935.
Sinks, bathtubs, lavatories, etc. Sears, Roebuck and Co. 325,536; June 25; Serial No. 360,001; published Apr. 16, 1935.

CLASS 14

Electrodes, Welding. American Murex Corporation. 325,438; June 25; Serial No. 361,042; published Apr. 16, 1935.
Metal, Babbit and anti-friction. E. L. Post & Co. Inc. 325,431; June 25; Serial No. 361,186; published Apr. 16, 1935.
Steel blocks and bars, forged pieces for machines, artisans' tools, etc. Poldihütte Tiegelgusstahlfabrik. 103,206; renewed Mar. 23, 1935.

CLASS 15

Candles. Socony-Vacuum Oil Company. 325,450; June 25; Serial No. 361,864; published Apr. 16, 1935.
Gasoline. Interurban Petroleum Corp. 325,560; June 25; Serial No. 346,639; published Apr. 16, 1935.
Gasoline, Ohio River Refining and Terminal Company. 325,404; June 25; Serial No. 358,563; published Apr. 16, 1935.
Gasoline, kerosene, oils and greases. Oil Refineries, Inc. 325,439; June 25; Serial No. 361,059; published Apr. 16, 1935.
Greases, Lubricating. Standard Oil Company of New Jersey. 325,486; June 25; Serial No. 361,857; published Apr. 16, 1935.
Oil, Automobile. Sears, Roebuck and Co. 104,846; renewed June 22, 1935.
Oil, Motor. Superior Oil Works. 325,573; June 25.

CLASS 16

Colors, Oil. F. Weber Co. 325,540; June 25; Serial No. 338,120; published Apr. 16, 1935.
Paint, Tar. Colorado Fuel and Iron Products Company. 325,555; June 25; Serial No. 360,524; published Feb. 26, 1935.
Paints, varnishes, etc., Ready-mixed. E. O. Gillen Corporation. 325,410; June 25; Serial No. 359,163; published Apr. 16, 1935.
Varnishes, paints, enamels, etc. Chi-Namel Company. 325,417; June 25; Serial No. 359,613; published Apr. 16, 1935.

CLASS 17

Cigars. D. A. Schulte, Inc. 325,476; June 25; Serial No. 362,192; published Apr. 16, 1935.
Tobacco, Smoking. Bloch Brothers Tobacco Co. 325,475; June 25; Serial No. 362,219; published Apr. 16, 1935.

CLASS 19

Carriages and go-carts, Baby. Buckley-Newhall Company. 106,207–8; renewed Oct. 19, 1935.
Rigging, Draft. American Steel Foundries. 325,570; June 25.
Wagons, Running gear of. Springfield Wagon & Trailer Company. 325,544; June 25; Serial No. 359,636; published Apr. 16, 1935.
Windshield wiper blades. Rex-Hide Incorporated. 325,489; June 25; Serial No. 361,818; published Apr. 16, 1935.

CLASS 21

Automotive products. G. A. Ashton Company, Inc. 325,538; June 25; Serial No. 356,792; published Apr. 16, 1935.
Batteries, Storage. Goodyear Tire & Rubber Company. 325,443; June 25; Serial No. 361,957; published Apr. 16, 1935.
Electric coffee urns and coffee pots, Automatic. Waters-Genter Co. 325,411; June 25; Serial No. 359,286; published Apr. 2, 1935.
Lighting devices, Decorative. Leo Pollock Corp. 325,424; June 25; Serial No. 353,444; published Apr. 16, 1935.

CLASS 22

Dolls and mechanical toys, games, playing cards, etc. Louis Marx & Co. 325,588; June 25.
Skates with shoes attached, Ice. Davega-City Radio, Inc. 325,474; June 25; Serial No. 362,299; published Apr. 16, 1935.

CLASS 23

Bodkins for use as food utensils. J. J. Sindler. 325,487; June 11; Serial No. 361,853; published Apr. 16, 1935.
Cotton gins, feeders, cleaners, etc. Cen-Tennial Cotton Gin Co. 325,436; June 25; Serial No. 361,080; published Apr. 16, 1935.
Dairying apparatus. Murray Deodorisers Limited. 325,556; June 25; Serial No. 356,566; published Apr. 16, 1935.
Feeder, catcher, and conveying means for conveying packs to and from and through heating furnaces, Mechanical. Wean Engineering Company. 325,572; June 25.
Machinery and tools and parts thereof. Flint and Walling Manufacturing Co. 105,015; renewed June 29, 1935.
Sewing machines, parts thereof and accessories. Aktiengesellschaft Vorm. Seidel & Naumann. 325,426; June 25; Serial No. 353,972; published Apr. 16, 1935.
Sewing-machines, vacuum-cleaners, and carpet-sweepers. Buckley, Newhall Company. 106,205–6; renewed Oct. 19, 1935.
Textile machinery parts. Jas. H. Billington Co. 325,516; June 25; Serial No. 361,453; published Apr. 16, 1935.

CLASS 24

Washing machines, Laundry. Holland-Rieger, Inc. 325,472–3; June 25; Serial Nos. 362,312–13; published Apr. 16, 1935.

CLASS 26

Rules, Measuring. Stanley Rule & Level Company. 106,810; renewed Oct. 26, 1935.

CLASS 28

Badges, lapel buttons, charms, etc., Fraternity. Phi Sigma Phi Sorority. 325,479; June 25; Serial No. 362,124; published Apr. 16, 1935.
Jewelry, Gold. Arthur J. Cooperman & Co. 325,500; June 25; Serial No. 361,607; published Apr. 16, 1935.
Rings, Finger. D. F. Ebbert. 325,470; June 25; Serial No. 360,118; published Apr. 16, 1935.

CLASS 29

Manipulator (tooth brushes). R. G. Stevens. 325,444–5; June 25; Serial Nos. 361,911–12; published Apr. 16, 1935.

CLASS 31

Refrigerators. Buckley-Newhall Company. 106,211–12; renewed Oct. 19, 1935.

CLASS 32

Bars, Food and drinking, Pleasure Bar Corp. 325,497; June 25; Serial No. 361,691; published Apr. 16, 1935.
Shades, Window. Clopay Corporation. 325,464; June 25; Serial No. 360,759; published Apr. 16, 1935.
Shades, Window. Sears, Roebuck and Co. 325,462; June 25; Serial No. 362,053; published Apr. 16, 1935.

CLASS 33

Glassware, Illuminating. Steuben Glass Works. 104,518; renewed June 1, 1935.

CLASS 34

Heaters, Gas. T. H. Piser. 325,401; June 25; Serial No. 357,991; published Apr. 9, 1935.
Mantles, Fuel burning. Coleman Lamp and Stove Company. 325,549; June 25; Serial No. 359,985; published Apr. 16, 1935.
Refractory elements and metal parts for furnace wall, etc. De Wolf Furnace Corporation. 325,467; June 25; Serial No. 360,627; published Apr. 16, 1935.

CLASS 35

Belting, hose, machinery packing, and tires. Montgomery Ward & Co. Inc. 105,667; renewed Aug. 10, 1935.

Inner tubes. Auto-Lec Stores, Inc. 325,495; June 25; Serial No. 361,715; published Apr. 16, 1935.

CLASS 36

Banjos, guitars, ukeleles, etc. Fred. Gretsch Mfg. Co. 325,493; June 25; Serial No. 361,742; published Apr. 16, 1935.
Phonographs, talking-machines, pianos, etc. Buckley-Newhall Company. 106,209–10; renewed Oct. 19, 1935.

CLASS 37

Paper and envelopes, Writing. United States Envelope Company. 325,578; June 25.
Paper, envelops, tablets, etc. Eaton, Crane & Pike Company. 104,179; renewed May 4, 1935.
Paper, Writing. E. E. Lloyd Paper Co. 104,461; renewed June 1, 1935.
Ribbon made of cellulose film. Walser Manufacturing Company. 325,538; June 25; Serial No. 360,011; published Apr. 16, 1935.
Tags, String. Dennison Manufacturing Company. 325,447; June 25; Serial No. 361,880; published Apr. 16, 1935.

CLASS 38

Books, Printed. Little, Brown, and Company. 325,427; June 28; Serial No. 354,089; published Oct. 16, 1934.
Cartoons. E. V. Rickenbacker. 325,477; June 25; Serial No. 362,151; published Apr. 16, 1935.
Cartoons. E. V. Rickenbacker. 325,503; June 25; Serial No. 361,542; published Apr. 16, 1935.
Charts and reports, Printed. R. M. Lansworth. 325,405; June 25; Serial No. 358,403; published Apr. 16, 1935.
Drawings for illustrative purposes and reproduction, and cartoons. P. L. Crosby. 325,478; June 25; Serial No. 362,136; published Apr. 16, 1935.
Magazine section. Field Publications, Inc. 325,482; June 25; Serial No. 362,023; published Apr. 16, 1935.
Newspaper. Reporter Publishing Company. 325,504; June 25; Serial No. 361,541; published Apr. 16, 1935.
Newspaper, Advertising. Los Angeles Down Town Shopping News Corporation. 325,430; June 25; Serial No. 355,147; published Apr. 16, 1935.
Newspaper, Daily. Post Publishing Co. 325,441; June 25; Serial No. 361,992; published Apr. 16, 1935.
Section of a commercial or daily paper. How. Jones & Co. Inc. 325,446; June 25; Serial No. 361,881; published Apr. 16, 1935.

CLASS 39

Boots and shoes. J. M. Connell Shoe Co. 325,520; June 25; Serial No. 361,383; published Apr. 9, 1935.
Boots and shoes. Reading Shoe Market, Inc. 325,407; June 25; Serial No. 358,499; published Apr. 16, 1935.
Brassières, corsets, bandeaux, etc. H. B. Saxe. 325,412; June 25; Serial No. 359,318; published Feb. 19, 1935.
Brassières, corsets, bandeaux, etc. Lucile Somarco Brassiere. 325,579; June 25.
Caps and hats, Knitted. Eagle Knitting Mills. 325,542; June 25; Serial No. 344,771; published Apr. 16, 1935.
Coats, fur jackets, fur scarfs, etc., Fur. S. S. Grean. 325,580; June 25.
Coats, muffs, and scarfs, Fur. B. Geller & Sons, Inc. 325,553; June 25; Serial No. 360,472; published Mar. 5, 1935.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 325,576; June 25.
Corsets and brassières. Rite Form Corset Co. Inc. 325,536; June 25; Serial No. 360,142; published Apr. 9, 1935.
Dresses, coats, sweaters, etc. Best & Co. Inc. 325,585; June 25.
Gloves, Fabric. Van Raalte Company. 325,437; June 25; Serial No. 361,068; published Apr. 9, 1935.
Gloves, Leather. Daniel Hays Company. 325,404; June 25; Serial No. 358,209; published Apr. 9, 1935.
Gloves, mittens, scarfs, etc., Knitted. M. Friedlander Knitting Company. 325,510; June 25; Serial No. 360,847; published Apr. 9, 1935.
Gloves, Work. Wells-Lamont-Smith Corporation. 325,568; June 25.
Hats for women and misses. The Haverfield Company. 325,434; June 25; Serial No. 361,169; published Apr. 9, 1935.
Hats, Ladies'. Jay Gee Hat Co. 325,454; June 25; Serial No. 360,541; published Apr. 9, 1935.
Hats, Ladies'. Ogus, Rabinovich & Ogus, Inc. 325,533; June 25; Serial No. 360,323; published Apr. 9, 1935.
Hats, Ladies' and misses'. Sam-Mor Hat Co. 325,554; June 25; Serial No. 360,491; published Apr. 9, 1935.
Pajamas. O. N. Hobbs. 325,581; June 25.
Raincoats and topcoats. Alligator Company. 325,575; June 25.
Shirts, underwear, and pajamas, Men's. Enro Shirt Co. 325,565; June 25.
Shoes. Menihan Company. 325,557; June 25; Serial No. 356,629; published Jan. 15, 1935.
Sweaters, coats, polo shirts, etc., Pull-over. Stettheimer, Hausman Co. 325,569; June 25.

CLASS 42

Cotton fabrics in the piece. Crown Fabrics Corporation. 325,574; June 25.
Cotton goods, Printed and dyed. Eddystone Manufacturing Company. 105,432; renewed July 27, 1935.
Cotton piece goods. Carl Company. 104,708; renewed June 15, 1935.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 325,566–7; June 25.
Woolen piece goods. Cleveland Worsted Mills Co. 106,419; renewed Oct. 19, 1935.

CLASS 43

Thread and yarn. Alpert & Broder, Inc. 325,535; June 25; Serial No. 360,197; published Apr. 2, 1935.
Thread, Embroidery. Fixler Bros., Inc. 325,468; June 25; Serial No. 360,584; published Apr. 2, 1935.
Yarn, Sylvania Industrial Corporation. 325,512; June 25; Serial No. 360,810; published Apr. 16, 1935.
Yarn, Cotton. Bernhard Ulmann Co. Inc. 325,577; June 25.
Yarn, Cotton, worsted, and merino. William Whitman Company. 106,718; renewed Oct. 26, 1935.
Yarns, Wool Novelty Company. 325,511; June 25; Serial No. 360,813; published Apr. 16, 1935.
Yarns of wool, worsted, cotton, etc. Botany Worsted Mills. 325,406; June 25; Serial No. 358,428; published Apr. 2, 1935.
Yarns, Woolen. Morgan & Goetze Knitting Mills, Inc. 325,509; June 25; Serial No. 360,854; published Apr. 2, 1935.
Yarns, Woolen and cotton. Bernhard Ulmann Co. Inc. 325,531; June 25; Serial No. 361,194; published Apr. 16, 1935.

CLASS 44

Arch supports. E. Jones. 325,589; June 25.
Denture blanks and repair fluid for denture blanks. A. M. Rauhitschek. 325,537; June 25; Serial No. 360,077; published Apr. 16, 1935.

CLASS 45

Beverages and fruit essences for making same, Carbonated. Stevenson & Howell, Limited. 105,566; renewed Aug. 3, 1935.
Beverages and syrups, Citrus Products Company. 325,420; June 25; Serial No. 349,708; published Sept. 25, 1934.
Beverages sold as soft drinks. Pence Bros. Pharmacal Co. 325,463; June 25; Serial No. 362,041; published Apr. 16, 1935.
Water, Natural carbonated. Gristede Bros. Inc. 325,534; June 25; Serial No. 360,277; published Apr. 16, 1935.

CLASS 46

Apple sauce. Salter Canning Company. 325,466; June 25; Serial No. 360,647; published Apr. 16, 1935.
Bread, cake, cookies. Nature Food Centres, Inc. 325,428; June 25; Serial No. 354,092; published Apr. 16, 1935.
Butter. Borden Southern Company. 325,484; June 25; Serial No. 360,877; published Apr. 16, 1935.
Candies. V. C. Cummings. 325,435; June 25; Serial No. 361,138; published Apr. 16, 1935.
Candy. E. Greenfield's Sons, Inc. 325,481; June 25; Serial No. 362,027; published Apr. 16, 1935.
Canned fish and crustaceans, vegetables, fruits, and berries, etc. Collins-Dietz-Morris Company. 325,494; June 25; Serial No. 361,726; published Apr. 16, 1935.
Canned vegetables. Holleb & Co. 325,587; June 25.
Coffee. Brockelman Bros. Inc. 325,525; June 25; Serial No. 361,251; published Apr. 16, 1935.
Coffee, C. D. Kenny Co. 106,624; renewed Oct. 26, 1935.
Coffee, tea, and cocoa. C. F. Smith. 106,808; renewed Oct. 26, 1935.
Coffees, Blended. Campbell & Woods Company. 104,013; renewed Apr. 27, 1935.
Crackers, Cheese. Dutch Made Foods, Inc. 325,461; June 25; Serial No. 362,073; published Apr. 16, 1935.
Flour. General Mills, Inc. 325,541; June 25; Serial No. 345,582; published Apr. 16, 1935.
Fruits and fresh deciduous fruits and vegetables, Fresh citrus. Imperial Valley Asparagus Growers Ass'n. 325,400; June 25; Serial No. 357,906; published Apr. 16, 1935.
Grains, Brewers' dried. Penn Grains and Feed Company. 104,074; renewed Apr. 27, 1935.
Ice cream powder. Perkins Products Company. 325,584; June 25.
Lard. Kroger Grocery & Baking Company. 325,422; June 25; Serial No. 350,148; published Apr. 16, 1935.
Milk, butter milk, ice cream, etc., Sweet. D. S. Cox. 325,559; June 25; Serial No. 356,981; published Apr. 16, 1935.
Nuts, Pinion. Leo Agress, Inc. 325,561; June 25; Serial No. 347,003; published Apr. 16, 1935.
Oleomargarine. Cottage Creamery Co. 325,471; June 25; Serial No. 362,402; published Apr. 16, 1935.
Pork, Prepared. Miller and Hart, Inc. 325,586; June 25.
Shortening, Vegetable. Parvel Company Incorporated. 325,490; June 25; Serial No. 361,816; published Apr. 16, 1935.
Sugar. A. E. Staley Manufacturing Company. 325,414; June 25; Serial No. 359,375; published Apr. 16, 1935.
Tea. Joseph Tetley & Co. 325,485; June 25; Serial No. 360,864; published Apr. 16, 1935.

CLASS 47

Vermouth. Rolandelli Co. 325,502; June 25; Serial No. 361,543; published Apr. 16, 1935.
Wine. Astec Buying Corp. 325,448; June 25; Serial No. 361,870; published Apr. 16, 1935.
Wine. J. M. de Hoyos y Vinent. 325,398; June 25; Serial No. 357,722; published Mar. 26, 1935.
Wine, Sherry. Fortnum & Mason, Limited. 325,403; June 25; Serial No. 358,049; published Apr. 16, 1935.
Wines. Atlas Import & Export Corporation. 325,413; June 25; Serial No. 359,341; published Apr. 16, 1935.
Wines. California Vineyards Company. 325,521; June 25; Serial No. 361,256; published Apr. 16, 1935.
Wines, Australian. Fortnum & Mason, Limited. 325,402; June 25; Serial No. 358,048; published Apr. 16, 1935.
Wines, Sparkling. White Top Champagne Company. 325,563; June 25; Serial No. 342,251; published Aug. 14, 1934.

CLASS 48

Beer. F. & M. Schaefer Brewing Co. 325,583; June 25.
Beer and ale. Belmont Ale Brewery Company. 325,501; June 25; Serial No. 361,602; published Apr. 16, 1935.
Malt beverages. Bowler Brewing Company. 325,453; June 25; Serial No. 343,910; published Jan. 16, 1934.
Gin, Sloe. N. D. Morrissette. 325,571; June 25.

CLASS 49

Whiskey. Astec Buying Corp. 325,582; June 25.
Whiskey. Barney Clamage Distilling Co. 325,564; June 25.

CLASS 50

Kits for sealing glasses and jars. Clopay Corporation. 325,515; June 25; Serial No. 360,761; published Apr. 16, 1935.

LIST OF LABELS

Amaro Americano Berretta. For a Medicinal Preparation. G. Berretta. 45,862; June 25.
Blue Moon Liquid Velvet Wax. For Polish for Automobiles. O. Provensal. 45,881; June 25.
Bohemian's Crushed Wheaten Bread. For Bread. Bohemian Baking Company. 45,863; June 25.
Carpenter Oil-Hard Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,864; June 25.
Carpenter Oil-Tough Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,865; June 25.
Carpenter Oil-Wear Matched Tool Steel. For Matched Tool Steel. Carpenter Steel Company. 45,866; June 25.
Daniel Boone Logs. For Construction Game or Toy. Pioneer Toys, Incorporated. 45,880; June 25.
Delco-Remy Service Parts, Heavy Duty Ignition Coil. For Coils. Delco-Remy Corporation. 45,868; June 25.
Delco-Remy Service Parts, Ignition Coil. For Coils. Delco-Remy Corporation. 45,871; June 25.
Delco-Remy Service Parts, 6-Volt Ignition Coil. For Coils. Delco-Remy Corporation. 45,872; June 25.
Delco-Remy Service Parts, Special Universal Ignition Coil. For Coils. Delco-Remy Corporation. 45,870; June 25.
Delco-Remy Service Parts, Standard Universal Ignition Coil. For Coils. Delco-Remy Corporation. 45,869; June 25.
Dixie White Cleans and Preserves All White Footwear—Does Not Rub Off. For Shoe Polish. Jenco Brothers, Inc. 45,874; June 25.
F A O. For a Medicated Shampoo for Household Pets. Supreme Laboratories. 45,886; June 25.
Hy-Kare. For Gum Massage Jelly and Gum Manipulators (Tooth Brushes). R. G. Stevens. 45,885; June 25.
Kummel Schnee. For an Alcoholic Beverage. Giovanni Pusiello & Co. Inc. 45,883; June 25.
Lafrinette. For Foundation Garments. Vogue Mfg. Co. 45,889; June 25.
Little Trees. For an Alcoholic Beverage. Giovanni Pusiello & Co. Inc. 45,882; June 25.
Mor-A. For Beauty Preparations. Dealers Supply Company. 45,867; June 25.
O. G. V. Olive Castile Shampoo. For Shampoo. Ogilvie Sisters Laboratories, Inc. 45,878; June 25.
O. G. V. Scalp Pomade. For Scalp Pomade. Ogilvie Sisters Laboratories, Inc. 45,879; June 25.
Old Grape Vine. For Port Wine. San Gabriel Vineyard Company. 45,884; June 25.
Princeton Club. For Straight Bourbon Whiskey. New Era Products Co. 45,876; June 25.
Pruno Concentrate Made from Pure Juice of Dried California Prunes. For Concentrated Prune Juice. W. E. Long Co. 45,875; June 25.
Scram. For Cleansing Compound. Eljay Laboratories, Inc. 45,873; June 25.
Solvit Drain Cleaner. For Chemical Drain Cleaner. Northwest Sales Company. 45,877; June 25.
Tel-Pro Skin Balm. For a Skin Balm. G. P. Telling. 45,887; June 25.
Valvoline. For Motor Oil. Valvoline Oil Company. 45,888; June 25.

LIST OF PRINTS

Bread Helps Make America Go! For Bread. General Mills, Inc. 15,230; June 25.
Bridegroom Saves Wife from 'Coffee-Floating'. For Coffee. Hills Bros. 15,234; June 25.
Get Honeywise. For Non-Alcoholic Soft Beverages. Melbru Co. 15,236; June 25.
Here's Something New That Makes The "Cereal Hating" Child Go for a Great Big Breakfast of Whole Wheat Mornings. For Cereal Food. General Mills, Inc. 15,229; June 25.
I'll Risk a Lot for a Newsreel Scoop But Blow-Outs Have Me Scared. (Ad No. GBC–55). For Rubber Tires. B. F. Goodrich Company. 15,231; June 25.
Industry Works in Lehigh Safety Shoes. For Leather and Rubber Boots and Shoes. Lehigh Safety Shoe Co. 15,235; June 25.
It is Vital Now to Keep Her Energy High. For Wheat Breakfast Food. Cream of Wheat Corporation. 15,228; June 25.
It's Time for Pabst—. For Beer and Ale. Premier-Pabst Corporation. 15,237–43; June 25.
Picnic Experience Ends 'Coffee-Floating'. For Coffee. Hills Bros. 15,233; June 25.
The Greeks had a Word for 'Coffee-Floaters'. For Coffee. Hills Bros. 15,232; June 25.
Value on Top of Value . . White Banner Malt Labels are Valuable. For Malt Extract. Premier-Pabst Corporation. 15,244; June 25.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Antislagging arrangement. 19,619; June 25.
Blumenstock, Louis, Brooklyn, assignor to Spear Box Company, New York, N. Y. Shirt envelope. 19,620; June 25.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 19,621; June 25.
Bravo Contracting Company, The. (See Kersting, Bernard H., assignor.)
Goldsmith, Lester M., Philadelphia, Pa. Valve mechanism. 19,622; June 25.
Johns-Manville Products Corporation. (See Powell, Edward R., assignor.)
Kersting, Bernard H., Ben Avon, Pa., assignor to The Bravo Contracting Company. Drum weir. 19,623; June 25.
Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener, fastener installation and attaching same. 19,624; June 25.
Levkoff, Evelyn G., Brooklyn, N. Y. Collapsible egg carton. 19,625; June 25.
Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Multiplex receiving apparatus. 19,626; June 25.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Powell, Edward R., Alexandria, Ind., assignor, by mesne assignments, to Johns-Manville Products Corporation, New York, N. Y. Making felted mineral fiber. 19,627; June 25.
Radio Corporation of America. (See Mathes, Richard E., assignor.)
Spear Box Company. (See Blumenstock, Louis, assignor.)
Superheater Company, The. (See Armacost, Wilbur H., assignor.)
United-Carr Fastener Corporation. (See Kimbell, Arthur W., assignor.)

LIST OF DESIGN PATENTEES

Allen, Grosvenor N., C. A. Bennett, and L. E. Ressegger, assignors to Oneida Limited, Oneida, N. Y. Spoon or similar article. 96,000; June 25.
Alperson, Louis, New York, N. Y. Buckle. 96,001; June 25.
American Machine & Foundry Company. (See Jackson, Edith A., assignor.)
Amrine, Leclare H., assignor to Imperial Molded Products Corporation, Chicago, Ill. Skillet or similar article. 96,002; June 25.
Artcraft Optical Co. (See Grom, Henry W., assignor.)
Belda, Francisco, Benicalap, Spain. Paving block. 96,003; June 25.
Beneville, Paul V., Dumont, N. J., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. 96,004; June 25.
Beneville, Paul V., Dumont, N. J., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. 96,005; June 25.
Bennett, Charles A. (See Allen, G. N., Bennett, and Ressegger.)
Berenstein, Frank, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe heel. 96,006; June 25.
Berenstein, Frank, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe heel. 96,007; June 25.
Berry, Frank K., and A. J. Reedy, Battle Creek, Mich. Cooking stove or similar article. 96,009; June 25.
Berry, Frank K., and A. J. Reedy, Battle Creek, Mich. Cooking stove or similar article. 96,009; June 25.
Bigelow Sanford Carpet Co., Inc. (See Beneville, Paul V., assignor.)
Bigelow Sanford Carpet Co. (See Travis, John S., assignor.)
Bigelow Sanford Carpet Co. (See Vetter, Ignatius J., assignor.)
Bleich, Alfred, New York, N. Y. Display card. 96,010; June 25.
Blitzer, Jacob H., assignor to Lightoller Company, New York, N. Y. Lighting unit. 96,011; June 25.
Bonat, Harry, assignor to H. and S. Bonat, doing business as Samuel Bonat and Bro., New York, N. Y. Electric heater for hair waving. 96,012; June 25.
Bonat, Samuel, et al. (See Bonat, Harry, assignor.)
Bonat, Samuel, and Bro. (See Bonat, Harry.)
Botany Worsted Mills. (See Gaul, John F., Jr., assignor.)
Botany Worsted Mills. (See Schumacher, Albert, assignor.)
Bowersox, Joseph W., Glen Ellyn, Ill., assignor to Superior Felt & Bedding Co. Couch or the like. 96,013; June 25.
Bowersox, Joseph W., Glen Ellyn, Ill., assignor to Superior Felt & Bedding Co. Couch or the like. 96,014; June 25.
Bruine, Andre C., Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y. Textile fabric. 96,015; June 25.
Bruine, Andre C., Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y. Textile fabric. 96,016; June 25.
Bruine, Andre C., Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y. Textile fabric. 96,017; June 25.
Canaday, Wilbur D. (See Gage, C. S., and Canaday.)
Cannon, Philip J., Cincinnati, Ohio. Telephone receiver base. 96,018; June 25.
Chamales, Christopher J., assignor to C. A. Zoes Manufacturing Co., Chicago, Ill. Bottle or similar article. 96,019; June 25.
Chapman, William C. (See Moll, J. J., and Chapman.)
Ciccarelli, Ostilio, assignor to The E. Ingraham Company, Bristol, Conn. Clock or similar article. 96,020; June 25.
Ciccarelli, Ostilio, assignor to The E. Ingraham Company, Bristol, Conn. Clock or similar article. 96,021; June 25.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Pencil. 96,022; June 25.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 96,023; June 25.
De Liso, Vincent, Astoria, N. Y. Shoe. 96,024; June 25.
Eldman, Guy G., Houston, Tex. Combined weighing and advertising device. 96,025; June 25.
Eisenberg, Isidore, New York, N. Y. Hat. 96,026; June 25.
Ellison, George, Lynbrook, N. Y. Game board. 96,027; June 25.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 96,028; June 25.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Base unit of a studio couch or similar article. 96,029; June 25.
Gage, Charles S., Tarrytown, N. Y., and W. D. Canaday, Stamford, Conn., assignors to Lentheric Incorporated, New York, N. Y. Shaving bowl or the like. 96,030; June 25.
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 96,031; June 25.
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 96,032; June 25.
Goldberg, Herman, Haverhill, Mass. Shoe. 96,033; June 25.
Gorham Manufacturing Company. (See Woodward, F. Russell, assignor.)
Greenberg, Mayer, Chicago, Ill. Military cap. 96,034; June 25.
Grom, Henry W., assignor to Artcraft Optical Co., Rochester, N. Y. Bridge for eyeglasses. 96,035; June 25.
Guth, Stern & Co. (See Osterman, Samuel, assignor.)
Haggstrom, Arthur C., Rockford, Ill. Radiocabinet. 96,036; June 25.
Harshberger, Russell P., Pasadena, Calif. Ash tray. 96,037; June 25.
Hegmann, August, Newark, N. J. Decorated wrapping paper. 96,038; June 25.
Heidemann, Hans, Cologne, Germany, assignor to A. E. Marconetti, New York, N. Y. Leather. 96,039; June 25.
Hutt, George A. (See Hutt, Robert J. and G. A.)
Hutt, Robert J. and G. A., assignors to U. S. Lace Paper Works, Inc., Brooklyn, N. Y. Doily. 96,040; June 25.

Illinois Match Case Company. (See Wewetzer, Albert, assignor.)
Imperial Glass Corporation. (See Oldham, Charles W., assignor.)
Imperial Molded Products Corporation. (See Amrine, Leclare H., assignor.)
Ingraham, E., Company, The. (See Ciccarelli, Ostillio, assignor.)
Jackson, Edith A., Larchmont, N. Y., assignor to American Machine & Foundry Company. Mixing machine casing. 96,041; June 25.
Jaeger, Adolph C., Port Chester, N. Y. Textile fabric or similar article. 96,042; June 25.
Lentheric Incorporated. (See Gage, C. S., and Canaday, assignors.)
Lightoller Company. (See Blitzer, Jacob H., assignor.)
Lovejoy, Fred C., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. 96,043; June 25.
Marconetti, Arrigo E. (See Hiedemann, Hans, assignor.)
Mascuch, Frank J., East Orange, assignor to Sheffield Silver Co., Jersey City, N. J. Platter. 96,044; June 25.
Meyer, Albert C., Glenshaw, Pa. Bottle. 96,045; June 25.
Moll, Jens J., and W. C. Chapman, Chicago, Ill. Rug. 96,046; June 25.
Morse, Clyde S., Sycamore, Ill. Nozzle for a suction machine. 96,047; June 25.
Oldham, Charles W., Shadyside, assignor to Imperial Glass Corporation, Bellaire, Ohio. Bowl or similar article. 96,048; June 25.
Olds, Ambrose D., Wichita, Kans. Heater. 96,049; June 25.
Oneida Limited. (See Allen, G. N., Bennett, and Ressegger, assignors.)
Osterman, Samuel, New York, N. Y., assignor to Guth, Stern & Co., Inc. Combined flash light and umbrella handle or similar article. 96,050; June 25.
Osterman, Samuel, New York, N. Y., assignor to Guth, Stern & Co., Inc. Combined flash light and umbrella handle or similar article. 96,051; June 25.
Osterman, Samuel, New York, N. Y., assignor to Guth, Stern & Co., Inc. Combined apparel holder and umbrella handle or similar article. 96,052; June 25.
Osterman, Samuel, New York, N. Y., assignor to Guth, Stern & Co., Inc. Combined apparel holder and umbrella handle or similar article. 96,053; June 25.
Panther-Panco Rubber Co. Inc. (See Berenstein, Frank, assignor.)
Pollack, Joseph O., Chicago, Ill. Cravat holder. 96,054; June 25.
Radio Corporation of America. (See Shrader, Terry M., assignor.)
Radio Corporation of America. (See Smith, Newell R., assignor.)
Reedy, Alfred J. (See Berry, Frank K., and Reedy, A. J.)
Ressegger, Lloyd E. (See Allen, G. N., Bennett, and Ressegger.)
Rome, Rosette, New York, N. Y. Shoe. 96,055; June 25.
Roth Fabrics Corp. (See Bruine, Andre C., assignor.)
Saker, Abraham, Chicago, Ill. Finger ring. 96,056; June 25.
Scacco, Jack, New York, N. Y. Shoe. 96,057; June 25.
Scheuer, Samuel, New York, N. Y. Hat. 96,058; June 25.
Schumacher, Albert, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 96,059; June 25.
Schwartz, Hyman, New York, N. Y. Game board or similar device. 96,060; June 25.
Seng Company, The. (See Fox, Martin, assignor.)
Sheaffer, W. A., Pen Company. (See Cuthbert, William R., assignor.)
Sheffield Silver Co. (See Mascuch, Frank J., assignor.)
Shrader, Terry M., West Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 96,061; June 25.
Smith, Newell R., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 96,062; June 25.
Superion Felt & Bedding Co. (See Bowersox, Joseph W., assignor.)
Thorne, George T., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 96,063; June 25.
Travis, John S., Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. 96,064; June 25.
Travis, John S., Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. 96,065; June 25.
Turiansky, Abraham, New York, N. Y. Shoe. 96,066; June 25.
Turiansky, Abraham, New York, N. Y. Shoe. 96,067; June 25.
Turiansky, Abraham, New York, N. Y. Shoe. 96,068; June 25.
United Shoe Machinery Corporation. (See Lovejoy, Fred C., assignor.)
U. S. Lace Paper Works, Inc. (See Hutt, Robert J. and G. A., assignors.)
Universal Button Fastening & Button Company (See Thorne, George T., assignor.)
Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Rug. 96,069; June 25.
Wange, Gilbert, Chicago, Ill. Electric flatiron. 96,070; June 25.
Weiss, Albert F., University City, Mo. Razor blade sharpener. 96,071; June 25.
Wewetzer, Albert, assignor to Illinois Watch Case Company, Elgin, Ill. Brush or similar article 96,072; June 25.
Wewetzer, Albert, Elgin, Ill. Vanity case. 96,073; June 25.
Woodward, F. Russell, Attleboro, Mass., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 96,074; June 25.
Woodward, F. Russell, Attleboro, Mass., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 96,075; June 25.
Zell, David H., Brooklyn, N. Y. Vanity case or similar article. 96,076; June 25.
Zell, David H., Brooklyn, N. Y. Vanity case or similar article. 96,077; June 25.
Zoes, C. A. Manufacturing Co. (See Chamales, Christopher J., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A and Z Chain Company. (See Johnson, Sylvester A., assignor.)
Aagaard, Birger, Trondhjem, Norway. Vertical card index cabinet. 2,006,288; June 25.
Adams, Chester E., and V. Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Dewaxing mineral oils. 2,005,984; June 25.
Agfa Ansco Corporation. (See Arens, Hans, assignor.)
Agfa-Ansco Corporation. (See Bell, Lionel R., assignor.)
Agfa Ansco Corporation. (See Bornmann, C., Lessler, and Heyer, assignors.)
Agfa Ansco Corporation. (See Schmidt, Richard, assignor.)
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Ainsworth Manufacturing Corporation. (See Potter, Albert T., assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat grinder. 2,005,851; June 25.
Albright, Raymond W., assignor to American Anode, Inc., Akron, Ohio. Display card and securing articles thereto. 2,005,879; June 25.
Allardt, Hans G. (See Schoeller, W., Allardt, and Feldt.)
Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 2,006,307; June 25.
Allmänna Svenska Elektriska Aktiebolaget. (See Lamm, Uno, assignor.)
Almquist, Milton L., Maplewood, N. J., and A. C. Thompson, New York, N. Y., assignors to American Telephone and Telegraph Company, Signaling system. 2,005,836; June 25.
American Anode, Inc. (See Albright, Raymond W., assignor.)
American Casting & Manufacturing Corporation. (See Dietze, Emil, assignor.)
American Chemical Paint Company. (See Gravell, James H., assignor.)
American Cyanamid Company. (See Moore, William, assignor.)
American Flexible Shaft Manufacture Corporation. (See Morin, Louis H., assignor.)
American Injector Company. (See Trix, Herbert B., assignor.)
American Lurgi Corporation. (See Heinemann, Karl, assignor.)
American Radiator Company. (See Morse, Clark T., assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Sales Book Company. (See Stevens, Gray, assignor.)
American Shoe Machinery Corporation. (See Wright, Wallace C., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Hanson, assignors.)
American Smelting and Refining Company. (See Betterton, Jesse O., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Telephone and Telegraph Company. (See Almquist, M. L., and Thompson, assignors.)
American Telephone and Telegraph Company. (See Newforth, Frank, assignor.)
American Zinc, Lead & Smelting Company. (See Calbeck, John H., assignor.)
American Zinc, Lead & Smelting Company. (See Elde, A. C., and Calbeck, assignors.)
Anchor Cap & Closure Corporation. (See Darling, Frank L., assignor.)
Anciens Etablissements Barbier, Benard & Turenne. (See Charvet, Gustave, assignor.)
Andersen, Paul, Brooklyn, N. Y. Push-pole vehicle. 2,005,910; June 25.
Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 2,006,254; June 25.
Anderson, Richard D., Baton Rouge, La., assignor to Standard Oil Development Company. Adjustable overflow device. 2,006,191; June 25.
Anderson, William M., Virginia, Minn. Tire-spreader. 2,005,880; June 25.
Anderson, William T., Jr., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Electrode for vapor electric devices. 2,006,081; June 25.
Andvig, Hans, Oslo, Norway. Teeth-cleansing appliance. 2,006,289; June 25.
Antranikian, Haig, Paris, France. Electromotive forces comparing device. 2,005,962; June 25.
Appleton Electric Company. (See Torublom, Nils A., assignor.)
Ard, Charles E., Birmingham, Ala., assignor to Fred C. Fantz, Webster Groves, Mo. Return bend fitting for oil stills. 2,005,768; June 25.
Arens, Hans, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of photographic emulsions. 2,005,857; June 25.
Arf, Herman R., Elizabeth, assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. System for air conditioning railroad cars. 2,005,769; June 25.
Armstrong, Adam E., Three Rivers, Mich. Steam trap. 2,005,926; June 25.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transmission line suspension. 2,005,882; June 25.
Arnold, Edwin E., and C. L. Fortescue, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transmission line clamp. 2,005,881; June 25.
Arthur, James F., Dickson City, Pa. Boiler coupling device. 2,006,139; June 25.
Ashbaugh, John H., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,005,883; June 25.
Atwell, Harold V., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Separating wax from oil. 2,006,010; June 15.
Atwell, Harold V., White Plains, N. Y., assignor to Standard Oil Company, Chicago, Ill. Continuous propane dewaxing. 2,006,011; June 25.
Augsburg Publishing House. (See Larson, Wallace Q., assignor.)
Austin, William E., New York, N. Y., assignor to Redro Laboratories, Inc. Unsymmetrical di-alkyl or alkyl-aralkyl derivatives of resorcinol and making same. 2,006,039; June 25.
Auto Research Corporation. (See Banfield, F. E., Nutting, and Wright, assignors.)
Auto Research Corporation. (See Wright, Warren O., assignor.)
Axelberg, Einar S., Minneapolis, assignor of one-half to T. O. Ormbreck, St. James, Minn. Turn signal. 2,005,963; June 25.
Ayers Limited. (See Milnes, Tom, assignor.)
Babcock, Bulia, administratrix. (See Babcock, George M.)
Babcock, George M., deceased, by B. Babcock, Evanston, Ill., administratrix. Method of and composition for rejuvenating fabrics. 2,006,192; June 25.
Babcock, Raymond P., West Hartford, Conn. Oil burner. 2,005,964; June 25.
Baetz, Gottwald. (See Krauch, C., Eyer, Baetz, and Korn.)
Baillio, Christie N. (See Fowler, J. W., and Baillio.)
Baird, John L., assignor to Television Limited, London, England. Television apparatus. 2,006,124; June 25.
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Bakelite Corporation. (See Turkington, Victor H., assignor.)
Baker, John S., Evansville, Wis. Lubricating mechanism. 2,005,724; June 25.
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Closure mechanism for the discharge openings of concrete mixer drums. 2,006,206; June 25.
Bancroft, James E., assignor, by mesne assignments, to The Richmond Fireproof Door Company, Richmond, Ind. Door operating mechanism. 2,006,082; June 25.
Banfield, Frederic E., Jr., G. B. Nutting, Saco, Me., and Warren O. Wright, Freeport, N. Y. Spinning and twister frame. 2,005,725; June 25.
Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Planetary transmission mechanism. 2,005,726; June 25.
Barber, Theodore S., Wilkes-Barre, Pa. Headlight. 2,006,125; June 25.
Barnhart, George E., Pasadena, Calif. Airfoil control means. 2,005,965; June 25.
Barrett Company, The. (See Cowdery, Arthur B., assignor.)
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 2,006,200; June 25.
Barrows, Donald S., Rochester, N. Y. Registration control for pipe organs. 2,006,201; June 25.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 2,006,292; June 25.

Bartlett, Louis A., Pittsburgh, Pa. Shock absorber for motor vehicles. 2,005,838; June 25.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake beam fulcrum. 2,005,927; June 25.

Bassett, Lloyd L., Los Angeles, Calif. Handle for cans. 2,006,233; June 25.

Bastian-Blessig Company, The. (See Buttner, William C., assignor.)

Baudry, René. (See Stone, M., and Baudry.)

Bazzocchi, Aldo, Milan, Italy. Washing and bleaching apparatus for artificial yarns. 2,006,154; June 25.

Beagle, Ralph G., Pasadena, Calif. Adjustable flower holder. 2,005,966; June 25.

Bear, Paul S., assignor to James Heddon's Sons, Dowagiac, Mich. Hook fastening for fish lures. 2,005,985; June 25.

Beardsley, Bruce, Brooklyn, and A. Plausics, assignors to The Western Union Telegraph Company, New York, N. Y. Drag conveyer channel. 2,006,294; June 25.

Beghetti, Peter, San Francisco, Calif. Cooking kettle device. 2,005,928; June 25.

Behr, Leo, assignor to Leeds & Northrup Company, Philadelphia, Pa. Impedance set. 2,005,986; June 25.

Bell, Edward J., Chicago, Ill. Heating system. 2,006,193; June 25.

Bell, Lionel B., Rochester, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Camera. 2,005,818; June 25.

Beloit Iron Works. (See Berry, Earl E., assignor.)

Benbow, James D., and D. A. Palmer, assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill. Controlling mechanism for vehicle dump doors. 2,005,737; June 25.

Berdan, Kenneth D., assignor to Michigan Electrotype and Stereotype Company, Detroit, Mich. Package. 2,005,967; June 25.

Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical measuring and regulating system. 2,005,884; June 25.

Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making apparatus and process. 2,005,929; June 25.

Berry, François J. B., Lille, France. Sorting apparatus for substances of different densities. 2,006,126; June 25.

Bertschinger, Charles F., assignor to The Scovill Manufacturing Company, Waterbury, Conn. Combination can opener, funnel, and flexible pipe attachment. 2,006,104; June 25.

Best, Cyril, Deptford, London, England. Dampener for weighing apparatus. 2,006,235; June 25.

Better, Francis J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for use in applying pressure to shoe bottoms. 2,005,755; June 25.

Betterton, Jesse O., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Smelting scrap battery plates and the like. 2,006,257; June 25.

Betterton, Jesse O., and C. W. Hanson, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating scrap storage battery plates and lead-bearing materials of similar composition. 2,006,256; June 25.

Betzler, Martin, Neuruppin, assignor to the firm Minimax A.-G., Berlin, Germany. Device for blowing fire-extinguishing gas into storage bins carrying more or less fine materials. 2,006,258; June 25.

Bhagwat, Madhav B., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Oil-soluble synthetic resin and its manufacture. 2,006,207; June 25.

Bird, Lester F. (See Anderson, W. T., Jr., and Bird.)

Blake, Harold D., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp and the like and its mounting and electrical connection. 2,006,155; June 25.

Blake, Joseph H., Seattle, Wash. Portable power hammer. 2,006,065; June 25.

Blanchard, Benjamin F., Brea, assignor to Union Oil Company of California, Los Angeles, Calif. Core drill. 2,005,819; June 25.

Bleser, Daniel C., Manitowoc, Wis. Hop extractor. 2,005,770; June 25.

Bliss, E. W., Company. (See Crane, Edward V., assignor.)

Bloomfield Engineering Company Limited. (See Durant, Henry T., assignor.)

Blue Ribbon Products Company. (See Hussey, Frank L., assignor.)

Boeing Airplane Company. (See Minshall, Robert J., assignor.)

Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)

Bonanno, Joseph L., Forest Hills, assignor to The Lionel Corporation, New York, N. Y. Self propelled toy. 2,006,156; June 25.

Bornmann, Carl, L. W. Lessler, and E. H. Heyer, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Folding camera. 2,005,820; June 25.

Bosch, Robert, Aktiengesellschaft. (See Eisemann, Ernst, assignor.)

Bosch, Robert, Aktiengesellschaft. (See Menzel, Friedrich, assignor.)

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Bousquet, Euclid W., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Contact insecticide. 2,006,227; June 25.

Bovier, Archie M., Elmira, N. Y. Manifolding record. 2,005,930; June 25.

Bowen, William S., Westfield, N. J. Micronizer head. 2,005,987; June 25.

Bowers, Edward C., receiver, et al. (See Smith, Herbert, assignor.)

Bozel-Malétra Société Industrielle de Produits Chimiques. (See Demant, Jules E., assignor.)

Bradner, Donald B., Oxford, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Dull finish coated paper. 2,006,208; June 25.

Bradner, Donald B., Oxford, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Dull finish coated paper. 2,006,209; June 25.

Bray, Uiric B., Palos Verdes Estates, and C. E. Swift, Huntington Park, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,006,092; June 25.

Bray, Uiric B., Los Angeles, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oils. 2,006,093; June 25.

Bray, Uiric B., Palos Verdes Estates, and C. E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif. Treating oil. 2,006,094; June 25.

Bray, Uiric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,006,095; June 25.

Bray, Uiric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,006,096; June 25.

Bray, Uiric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Treating oil. 2,006,097; June 25.

Bray, Uiric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 2,006,098; June 25.

Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, Roll. 2,005,885; June 25.

Bristol Aeroplane Company Limited, The. (See Whitehead, Frederick W., assignor.)

Broderick, Frederick C., Winnetka, Ill. Hot water heating system. 2,005,852; June 25.

Brooks, Arthur N., West Springfield, Mass. Method of and apparatus for sampling anthracite coal. 2,006,066; June 25.

Brooks, Benjamin T., Old Greenwich, Conn., and R. Schuler, Elizabeth, N. J., assignors to Standard Alcohol Company. Synthetic alcohol. 2,006,157; June 25.

Brown, Bruce K., Evanston, assignor to Standard Oil Company, Chicago, Ill. Dewaxing with nonmiscible refrigerant. 2,005,988; June 25.

Brown, Davis, Los Angeles, Calif. Method of and apparatus for molding clay bodies. 2,005,886; June 25.

Brown, Earl D. (See Cone, C. N., and Brown.)

Brown, Eric F., Des Moines, Iowa. Visible shift binder for record sheets or the like. 2,005,968; June 25.

Bruffee, Archer E., Portland, Oreg. Antiskidding device. 2,006,210; June 25.

Büchi, Alfred, Winterthur, Switzerland. Internal combustion engine plant. 2,005,821; June 25.

Buck, Victor B., New York, N. Y. Navigation instrument. 2,006,127; June 25.

Buda Company, The. (See Hinkley, Carl C., assignor.)

Bull, Arthur W. (See Ewart, E. S., and Bull.)

Bull, Clyde W., Dallas, Tex. Device for controlling the speed of internal combustion engines. 2,005,771; June 25.

Burgess, Walter K., Chanute Field, Rantoul, Ill. Amphibian. 2,005,728; June 25.

Burrell, Edward P., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Hydraulic machine tool. 2,005,822; June 25.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Core barrel. 2,005,989; June 25.

Bush, Alonzo O., and R. H. Martin, assignors to Norton Company, Worcester, Mass. Grinding wheel. 2,006,308; June 25.

Buttner, William C., assignor to The Bastian-Blessing Company, Chicago, Ill. Safety valve. 2,005,931; June 25.

Calbeck, John H. (See Elde, A. C., and Calbeck.)

Calbeck, John H., Joplin, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Zinc sulphide and making the same. 2,006,259; June 25.

Calhoun, John N. (See Reel, Jesse K., assignor.)

California Fruit Growers Exchange. (See Highby, Ralph H., assignor.)

Campbell, Francis E., et al. (See Marshall, James H., assignor.)

Campbell, George H. (See Smith, J. C., and Campbell.)

Capstan Glass Company. (See McNamara, William L., assignor.)

Carney, Samuel C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Fractionating process and apparatus. 2,005,932; June 25.

Carrier Engineering Corporation. (See Arf, Herman R., assignor.)

Carson, Robert W., Rochelle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company. Grid glow micrometer. 2,005,887; June 25.

Carter, Andrew G., Grand Rapids, Mich. Elastic cushion mounting. 2,005,934; June 25.

Carter, Elsie M., Ilford, assignor to Yardley & Company Limited, London, England. Container for toilet and the like preparations. 2,005,933; June 25.

Carus Chemical Company. (See Schumacher, Joseph, assignor.)

Casey, Cornelius. (See Schilling, A. B., and Casey.)

Casperson, Carl E., Tulsa, Okla. Rotary drill. 2,005,128; June 25.

Cassé, Marcel, Essonnes, France. Hat working machine. 2,006,260; June 25.

Cate, Malcolm S., assignor to Hood Rubber Company, Inc., Watertown, Mass. Machine for operating upon articles assembled from adhesive materials. 2,005,888; June 25.

Cate, Paul E., assignor to The Fulton Syphon Company, Knoxville, Tenn. Machine for charging containers. 2,006,012; June 25.

Catella, Attile, Paris, France. Ratchet device for preventing the rearward motion of power driven vehicles. 2,006,261; June 25.

Celanese Corporation of America. (See Hibbert, H. M., and Roberts, assignors.)

Celluloid Corporation. (See Walsh, James F., assignor.)

Central Radio Laboratories. (See Stoekle, Erwin R., assignor.)

Chain Belt Company. (See Ball, Charles F., assignor.)

Champion Coated Paper Company, The. (See Bradner, Donald B., assignor.)

Charvet, Gustave, assignor, by mesne assignments, to Anciens Etablissements Barbier, Benard & Turenne, Paris, France. Mechanism for angular adjustment of gun sights. 2,006,262; June 25.

Chesley, Frank, Cincinnati, Ohio. Duplicating machine. 2,006,067; June 25.

Chewning, Walter L., Cynwyd, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Apparatus for the scrubbing of gas. 2,006,295; June 25.

Chicago Flexible Shaft Company. (See Jeppsson, Ivar, assignor.)

Chireix, Henri, Paris, France, assignor to Compagne Generale de Telegraphie Sans Fil. Heterodyne receiver. 2,005,772; June 25.

Chretien, Henri, St. Cloud, France. Combined picture and sound recording and reproduction in motion pictures. 2,006,233; June 25.

Christensen, Augustus, Hellertown, Pa. Smoking pipe attachment. 2,006,296; June 25.

Christiansen, Christian, Fargo, N. Dak. Bull rake, loader and lifter. 2,005,911; June 25.

Christy, Anker L. (See Petersen, C. A., and Christy.)

Cimatti, Riccardo. (See De Faveri, S., and Cimatti.)

Cincinnati Butchers Supply Company, The. (See Schmidt, Oscar C., assignor.)

Cincinnati Milling Machine Company, The. (See Ernst, H., and Goodrich, assignors.)

Cincinnati Milling Machine Company, The. (See Ernst, H., and Sassen, assignors.)

Clark, Charles C., St. Bernard, Ohio. Hydroxy sulphonated fatty acid esters and their production. 2,006,309; June 25.

Clayton Metcalfe & Company. (See Metcalfe, Percy W., assignor.)

Claywell, Van, Siren, Wis. Automobile wheel aligner. 2,006,013; June 25.

Coe Manufacturing Company, The. (See Haumann, George, assignor.)

Coffman, Roscoe A., Pittsburgh, Pa. Motor and motive system. 2,005,913; June 25.

Collins, Harold F., assignor to H. D. Colman, Rockford, Ill. Sliding door. 2,006,228; June 25.

Colman, Howard D. (See Collins, Harold F., assignor.)

Colonial Salt Company, The. (See Shaw, James, assignor.)

Colorado Bedding Company, The. (See Knight, R. B., and Kahn, assignors.)

Colvin, Charles H., New York, N. Y. Intercommunication. 2,005,935; June 25.

Combustion Utilities Corporation. (See Bhagwat, Madhav B., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)

Cone, Charles N., and E. D. Brown, Seattle, Wash., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Coating paper. 2,006,229; June 25.

Connor, Kirke W., Detroit, Mich., assignor to Micromatic Hone Corporation. Machining cylinders. 2,006,158; June 25.

Connor, Kirke W., Detroit, Mich., assignor to Micromatic Hone Corporation. Machining cylinders. 2,006,159; June 25.

Cook, Harmon J., Torrington, Conn. Electric pull chain socket. 2,006,195; June 25.

Coomes, Bernard J., Bristol, Ill. Doorlock. 2,006,263; June 25.

Cornell, Edward S., Jr., Larchmont, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Pipe fitting. 2,005,969; June 25.

Cosby, Eric L. H., London, England. Construction of brush. 2,006,234; June 25.

Couyoumjian, Karl, Detroit, Mich. Hat ironing machine. 2,006,264; June 25.

Cowdery, Arthur B., Needham, Mass., assignor to The Barrett Company, New York, N. Y. Rubber compounding. 2,006,310; June 25.

Craft, Walter B., assignor of one-fourth to C. M. Smith, Tyler, Tex. Automobile doorlatch operator. 2,006,129; June 25.

Crane, Edward V., assignor to E. W. Bliss Company, Brooklyn, N. Y. Feed for sheet metal working machines. 2,006,040; June 25.

Crane, Hubert R., Los Angeles, Calif. Flexible-rod, sewer cleaning apparatus. 2,005,936; June 25.

Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Supplying a polishing medium to polishing machines. 2,006,196; June 25.

Cummings, W. L. (See Knox, Granville S., assignor.)

Darley, William S., Chicago, Ill. Fire truck. 2,005,990; June 25.

Darling, Frank L., Baltimore, Md., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Glass bottle molding means. 2,006,041; June 25.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 2,006,068; June 25.

Davis, Homer J., Wilmington, Del. Feed mechanism for rolling machines. 2,005,853; June 25.

Davis, James A., and C. L. Moyer, Chicago, Ill., assignors to Parker-Meyer-Dennis Company, Dubuque, Iowa. Sucker machine. 2,005,854; June 25.

Davis, Jesse H., Baltimore, Md. Method of and apparatus for treating grain for extermination of insect life therein. 2,006,265; June 25.

Day, Fred J., Los Angeles, Calif. Air circulating apparatus. 2,006,069; June 25.

De Christmas Dirckinck de Holmfeld, John E. (See Kalhaus, E., de Christmas Dirckinck de Holmfeld, and Valdemar.)

De Christmas, Dirckinck de Holmfeld, Valdemar. (See Kalhaus, E., de Christmas de Holmfeld, and Valdemar.)

De Faveri, Serafino, and R. Cimatti, assignors to Monocap Limited, London, England. Sealing device for collapsible tubes and the like. 2,006,235; June 25.

De Florez, Luis, Pomfret, Conn. Apparatus for indicating or controlling physical changes. 2,005,773; June 25.

Dellinger, Martin C. (See Kulp, H. W., and Dellinger, assignors.)

Demant, Jules E., assignor to Bozel-Malétra Société Industrielle de Produits Chimiques, Cuise Lamotte, France. Production of benzoic acid and benzoates. 2,005,774; June 25.

Dennison, Forrest W., assignor to Taylor Freezer Corporation, Beloit, Wis. Detachable gate. 2,005,937; June 25.

Desenberg, Josef, Cologne, Germany. Grinding. 2,005,718; June 25.

Detracolor Ltd. (See Dieterich, Ludwig M., assignor.)

Detroit Edison Company, The. (See Piron, Emil H., assignor.)

Detroit Lubricator Company. (See Wile, Daniel D., assignor.)

Diamond Match Company, The. (See Paridon, Michael, assignor.)

Dick, Burns, Ferguson, and S. Schnell, assignors to Wagner Electric Corporation, St. Louis, Mo. Braking apparatus. 2,005,855; June 25.

Dictograph Products Company. (See Koch, Henry, assignor.)

Dieterich, Ludwig M., Los Angeles, Calif., assignor to Detracolor Ltd. Color photography. 2,005,970; June 25.

Dietze, Emil, Richmond Hill, assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y. Seal. 2,006,042; June 25.

Dillon, Herbert G., W. C. Dreyer, and H. C. Jenks, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic drilling system for rotary drilling equipment. 2,005,889; June 25.

Di Stasio, Joseph, Newark, N. J. Building construction. 2,006,070; June 25.

Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Transporting articles. 2,005,823; June 25.

Dixon, Cornelius W., assignor to C. A. Tompkins, Jacksonville, Fla. Turpentine cup and hanger therefor. 2,006,083; June 25.

Dobbins, Edward J., assignor to Googly Limited, London, England. India-rubber and like ball. 2,006,230; June 25.

Dodge, Adiel Y., South Bend, Ind. Variable speed transmission. 2,006,160; June 25.

Dodge, Sherwood O., Medford, assignor to Guaranteed Parts, Inc., Allston, Mass. Friction device for filling carriers. 2,005,856; June 25.

Doherty Research Company. (See Morgan, John D., assignor.)

Dopp, Frank B., St. Louis, Mo., assignor to Perma Corporation. Heel attaching plate. 2,005,775; June 25.

Dörrenhaus, Gustav, and S. Walter, Mulheim-Ruhr, assignors to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Cooling furnaces by means of cooling chambers. 2,006,206; June 25.
Douglas, Harry A., Bronson, Mich. Spark plug connection. 2,005,857; June 25.
Downingtown Manufacturing Company. (See Edge, Jacob, assignor.)
Downs, Austin H., assignor to Eclipse Air Brush Company, Inc., Newark, N. J. Device for spraying paints, lacquers, and other liquids. 2,005,776; June 25.
Doyle, Joseph E., Clarks Summit, Pa. Ironing board. 2,006,014; June 25.
Doyle, Thomas J., Lynn, Mass., assignor to United Machinery Corporation, Paterson, N. J. Liquid-applying apparatus. 2,005,729; June 25.
Drader, Joseph C., Detroit, Mich., assignor to Michigan Tool Company. Checking fixture. 2,006,161; June 25.
Drake, Estes C., Wheeling, W. Va. Welding apparatus. 2,005,912; June 25.
Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Stereoscopic photography and objective system therefor. 2,005,777; June 25.
Dreyer, William C. (See Dillon, H. G., Dreyer, and Jenks.)
Droop, Goswin, Habana, Cuba. Smoker's item. 2,006,015; June 25.
Dubuc, Paul N., Danielson, Conn. Machinery. 2,006,130; June 25.
Dunham, Henry V., Bainbridge, N. Y. Casein product and making. 2,005,730; June 25.
Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 2,005,890; June 25.
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Northam, Alfred J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Du Pont, E. I., de Nemours & Company. (See Wirth, Walter V., assignor.)
Durant, Henry T., Crawley, assignor to Bloomfield Engineering Company Limited, London, England. Filter press. 2,006,131; June 25.
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin. 2,006,043; June 25.
Eckert, Wilhelm, and W. Gmelin, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 4-amino-1,8-naphthalene-dicarboxylic acid imides and 4-alkylamino-1,8-naphthalene-dicarboxylic acid alkylamides and preparing them. 2,006,017; June 25.
Eclipse Air Brush Company. (See Downs, Austin H., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Edge, Jacob, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Cylinder machine. 2,005,839; June 25.
Edwards, Herbert E., Brookline, Mass. Assembling machine. 2,006,071; June 25.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Servo-mechanism. 2,005,971; June 25.
Edwards, Samuel H. (See Rowe, E. A., Edwards, and Fossati.)
Elde, Alwin C., and J. H. Calbeck, Columbus, Ohio, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making pigmented paper. 2,006,016; June 25.
Eisemann, Ernest, assignor to Robert Bosch Aktiengeiselschaft, Stuttgart, Germany. Film feeding mechanism for cinematograph apparatus. 2,006,297; June 25.
Elberty, Robert S., Jr., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve-operated mechanism. 2,005,891; June 25.
Electric Auto-Lite Company, The. (See Gogel, Adelbert J., assignor.)
Ellis, Lily D. (See Thomas, A. L., and Ellis.)
Emanueli, Luigi, Milan, Italy, assignor to Societá Italiana Pirelli. Feeding reservoir for oil filled cables. 2,006,236; June 25.
Engehardt, Rudolf, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Insulating material. 2,005,840.
Enterprise Aluminum Company, The (See Wilcox, Albert C., assignor.)
Erlemann, Gustav. (See Schilder, T., and Erlemann.)
Ernest, Hans, and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Leakage compensator for hydraulic systems. 2,006,311; June 25.
Ernst, Hans, and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Compensating bleeder valve. 2,006,312; June 25.
Ernst, Hans, and C. W. M. Goodrich, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Viscosity compensating system. 2,005,731; June 25.
Ernst, Hans, and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Balanced pressure hydraulic circuit. 2,005,732; June 25.
Ewart, Elliott S., St. Clair Shores, and A. W. Bull, Grosse Pointe, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,006,197; June 25.
Eyer, Carl. (See Krauch, C., Eyer, Baetz, and Korn.)
Eynard, Elysee M., Boulogne-Billancourt, France. Hydraulic engine. 2,006,237; June 25.
Farnham, Paul O., Boonton, N. J., assignor by mesne assignments to Radio Corporation of America, New York, N. Y. Audion amplifier. 2,006,099; June 25.
Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
Feigenbaum, David. (See Lind, E., and Feigenbaum.)
Feldman, Charles L., receiver, et al. (See Smith, Herbert, assignor.)
Feldt, Adolf. (See Schoeller, W., Allardt, and Feldt.)
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Blanking press. 2,006,072; June 25.
Fibreboard Products Inc. (See Leslie, Harold, assignor.)
Field, Crosby, Brooklyn, N. Y., assignor, by mesne assignments, to Flakice Corporation, Wilmington, Del. Heat Exchange apparatus. 2,005,733; June 25.
Field, Crosby, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del. Heat exchange apparatus. 2,005,734; June 25.
Field, Crosby, Brooklyn, N. Y., assignor, by mesne assignments, to Flakice Corporation, Wilmington, Del. Ice. 2,005,735; June 25.
Field, Crosby, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del. Ice. 2,005,736; June 25.
Finfrock, John Q., Westwood, assignor to National Postal Meter Company, Los Angeles, Calif. Manual feeding and tripping mechanism for a power driven postal machine. 2,005,778; June 25.
Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)
Firestone Tire and Rubber Company, The. (See Saurer, Curt, assignor.)
Fischer, Ernest, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Colored rubber products and producing them. 2,006,211; June 25.
Flakice Corporation. (See Field, Crosby, assignor.)
Fleming, Charles F., and J. L. Havins, Houston, Tex. Block mold. 2,006,132; June 25.
Florman, Irving, and R. Rolwing, New York, N. Y. Cocktail skirt. 2,006,238; June 25.
Folts, Cyrus, Swayzee, Ind. Gate hinge. 2,006,267; June 25.
Food Machinery Corporation. (See Pierce, Harold C., assignor.)
Forbes, Allan D. (See Hellmund, R. E., and Forbes.)
Fortescue, Charles L. (See Arnold, E. E., and Fortescue.)
Fossati, Francis N. (See Rowe, E. A., Edwards, and Fossati.)
Foster Machine Company. (See McKean, John O., assignor.)
Foster, Warren D., Washington Township, Bergen County, and E. L. Parmelee, Pittsburgh, Pa., assignors to Kinatone Patents Corporation, New York, N. Y. Film handling and sound reproducing apparatus. 2,005,737; June 25.
Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatone Patents Corporation. Apparatus for feeding material. 2,005,738; June 25.
Fowler, Jess W., Houston, and C. N. Ballillo, Beaumont, Tex. Cable clamp. 2,006,044; June 25.
Fowler, Odel, Palisade, Colo. Pruning shears. 2,006,133; June 25.
Frantz, Fred C. (See Ard, Charles E., assignor.)
Freund, Berthold, Berlin-Schoneburg, Germany. Apparatus for making and reproducing sound and picture records. 2,005,914; June 25.
Frolich, Per K., and P. J. Wiezevich, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparing halogenated ketones. 2,006,108; June 25.
Fuchs, Herman C., assignor to Permatex Company, Inc., Brooklyn, N. Y. Grinding composition. 2,006,162; June 25.
Fulton, Stewart C., Elizabeth and V. Kalichevsky, Woodbury, N. J., assignors to Standard-I. G. Company. Manufacture of resins by hydrogenation. 2,006,199; June 25.
Fulton Syphon Company. (See Cate, Paul E., assignor.)
Fulton Syphon Company. (See Smith, Edwin F., assignor.)
Fulton Syphon Company, The. (See Stewart, Alden D., assignor.)
Gagen, Thomas H., assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Box. 2,005,991; June 25.
Gair, Robert, Company. (See Weiss, Arthur J., assignor.)
Gallop, Sidney H., Cumberless, Ember Lane, Esher, England. Back support. 2,005,972; June 25.
Gardner, Herbert A., U. S. Army, San Francisco, Calif. Broom attachment. 2,005,739; June 25.
Garrett, Thomas J., Troup, Tex. Automatic fuel supply for burners. 2,006,134; June 25.
Geddes, Charles A., New York, N. Y. Self-carbonating dispensing system. 2,006,313; June 25.
Geiger, Ludwig T. and R., Vienna, Austria. Fastener for bags. 2,006,268; June 25.
Geiger, Richard. (See Geiger, Ludwig T. and R.)
General Aniline Works, Inc. (See Eckert, W., and Gmelin, assignors.)

General Aniline Works, Inc. (See Fischer, Ernst, assignor.)
General Aniline Works, Inc. (See Kranzlein, G., Schlichenmaier, and Schönnig, assignors.)
General Aniline Works, Inc. (See Schrader, Gerhard, assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Blake, Harold D., assignor.)
General Electric Company. (See Honing, Wilhelm, assignor.)
General Electric Company. (See Juhlin, Gustaf A., assignor.)
General Electric Company. (See Malloy, F. J., and Thomas, assignors.)
General Electric Company. (See McNairy, J. W., and Ogden, assignors.)
General Electric Company. (See Price, A. L., and Menger, assignors.)
General Electric Company. (See Reed, G. M., and Paxton, assignors.)
General Electric Company. (See Stark, J. H., and Witherow, assignors.)
General Motors Corporation. (See Williams, Harry M., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
Gibbs, George J., Preston, England. Apparatus for the measurement by volume of delivered quantities of liquids. 2,006,135; June 25.
Gibson, Noah M., et al. (See Marshall, James H., assignor.)
Gillespie, Grady. (See Price, Nathan H., assignor.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Glidden Company, The. (See Cone, C. N., and Brown, assignors.)
Gmelin, Walter. (See Eckert, W., and Gmelin.)
Goat, Fred, Co. (See Schilder, T., and Erlemann.)
Gogel, Adelbert J., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Ignition coil construction. 2,006,239; June 25.
Goodall, Charles, Tutbury, Burton-on-Trent, England. Drying of timber or other materials. 2,006,018; June 25.
Goodrich, Charles W. M. (See Ernst, H., and Goodrich.)
Googly Limited. (See Dobbins, Edward J., assignor.)
Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Directive aerial system. 2,005,779; June 25.
Grabler, Peter, Rocky River, assignor to L. E. Shunk, Akron, Ohio. Package. 2,006,212; June 25.
Grasselli Chemical Company, The. (See Bousquet, Euclid W., assignor.)
Grasselli Chemical Company, The. (See McQuaid, Howard S., assignor.)
Grasselli Chemical Company, The. (See Ridler, Earl S., assignor.)
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Material for providing metal with a paint receptive surface. 2,005,780; June 25.
Graves, Harry D., Chicago, Ill. Rack. 2,005,938; June 25.
Grelle, Charles H., Mount Carmel, Conn. Golf club. 2,005,915; June 25.
Grimsley, Gail, Little Sioux, Iowa. Speed control mechanism. 2,006,136; June 25.
Grisso, Archa D., Fort Worth, Tex. Golf practice device. 2,006,137; June 25.
Guaranteed Parts, Inc. (See Dodge, Sherwood O., assignor.)
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating current regulator. 2,005,892; June 25.
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current regulating system. 2,005,893; June 25.
Gusmer, Aage. (See Hellmann, Heinrich W., assignor.)
Hadley, Garnet. (See Maguire, C. L., and Hadley.)
Hadsel, Alvah D., Oakland, Calif. Ore reducing machine. 2,006,269; June 25.
Haglund, Hakon H. (See Wilder, H. F., and Haglund.)
Hagstrom, Joseph E., Kansas City, Mo. Trailer hitch. 2,005,781; June 25.
Hallwood, Anthony J. (See Macarthur, A., and Hallwood.)
Halbig, Paul, and F. Kaufler, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Preparing substituted malonic acids. 2,006,314; June 25.
Hall, William J., et al. (See Hall, William J., assignor.)
Hall, William J., Detroit, Mich., assignor, by mesne assignments, of thirty percent to O. L. Herron, thirty per cent to J. B. Zimmers, thirty-three per cent to W. J. Hall, and seven per cent to R. C. Schemmel. Hood construction. 2,006,163; June 25.
Halliday, Edgar N., Chicago, Ill. Electric control system. 2,006,213; June 25.
Hanovia Chemical & Manufacturing Company. (See Anderson, W. T., Jr., and Bird, assignors.)
Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Frequency multiplier for ultra high frequencies. 2,005,782; June 25.
Hanson, Charles W., (See Betterton, J. O., and Hanson.)
Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Refinery fitting. 2,006,084; June 25.
Harpster, Walter C., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for heat exchange. 2,006,200; June 25.
Harrer, Herbert W., New Washington, Ohio. Wrench. 2,006,073; June 25.
Harris-Jones, Winifred E., San Francisco, Calif. Bookrest for bathtubs and the like. 2,006,169; June 25.
Harris, A. T., Holding Corporation. (See Harris, Albert T., assignor.)
Harris, Albert T., New York, N. Y., assignor, by mesne assignments, to A. T. Harris Holding Corporation. Power transmission device. 2,005,740; June 25.
Harris, Charles M. (See Ketel, H., Harris, and Van Der-Heuvel.)
Harris Seybold Potter Company. (See Lewis, H. I., and Seybold, assignors.)
Harris Seybold Potter Company. (See Seybold, Frederick W., assignor.)
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roofing and siding element. 2,006,270; June 25.
Harvey, Ellery H., Highland Park, Ill., assignor to Perkins Glue Company. Vegetable glue and making the same. 2,006,184; June 25.
Harvey, Leo M., Los Angeles, Calif. Mounting for wind deflectors or the like. 2,005,783; June 25.
Harvey, Leo M., Los Angeles, Calif. Bottle cap remover. 2,005,784; June 25.
Haumann, George, assignor to The Coe Manufacturing Company, Painesville, Ohio. Clipper. 2,005,824; June 25.
Havins, John L. (See Fleming, C. F., and Havins.)
Hayden, Sydney, Hampstead, London, England. Embossed picture and producing it. 2,005,719; June 25.
Hayes, Harvey C., Washington, D. C. Magneto-strictive sound generator. 2,005,741; June 25.
Heaton, Herman C., Kenilworth, Ill. Ignition system. 2,005,992; June 25.
Heddon's, James, Sons. (See Bear, Paul S., assignor.)
Heffeltinger, Paul E. (See Jung, O. H., and Heffelfinger.)
Heinemann, Auguste E., executrix. (See Heinemann, Karl.)
Heinemann, Karl, deceased, Dresden, Germany, by A. E. Heinemann, executrix, Duesseldorf, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for separating sulphurous acid from sulphite waste liquor. 2,006,138; June 25.
Hellmann, Heinrich W., Marienfelde-Berlin, Germany, assignor of one-fourth to A. Gusmer, Woodbridge, N. J. Apparatus for listening in on telephone calls. 2,005,973; June 25.
Hellmund, Rudolph E., Swissvale, and A. D. Forbes, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ship propulsion automatic stability control. 2,005,894; June 25.
Hengstenberg, Paul M., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fastening device. 2,005,895; June 25.
Heron, Donlad D. and R. S., Pittsburgh, Pa. Holder for dental X-ray films. 2,005,993; June 25.
Heron, Robert S. (See Heron, Donald D. and R. S.)
Herrick, Horace T. (See May, O. E., Herrick, Moyer, and Wells.)
Herrlinger, Albert P., assignor to The Herrlinger Paper Co., Cincinnati, Ohio. Collar support. 2,006,201; June 25.
Herrlinger Paper Co., The. (See Herrlinger, Albert P., assignor.)
Herron, Ollie L., et al. (See Hall, William J., assignor.)
Hertz, Israel M. (See Lifsitz, Sol, assignor.)
Heyer, Eric H. (See Bornmann, Lessler, and Heyer.)
Hibbard, Charles L., Jr., Brookline, assignor to Old Colony Distributing Company, Inc., Boston, Mass. Refrigerator rack. 2,005,939; June 25.
Hibbert, Harold M., and R. P. Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of filaments, threads, yarns, and the like. 2,005,785; June 25.
Higby, Ralph H., Ontario, Canada, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Stabilized citrus beverage and sirup. 2,005,786; June 25.
High, George F., and C. H. Webb, Middlesex, England. Vending machine. 2,006,100; June 25.
Hinde and Dauch Paper Company, The. (See Gagen, Thomas H., assignor.)
Hines, James F., Lakewood, Ohio. Mold jacket. 2,006,240; June 25.
Hines, Pierre R., Portland, Oregon. Deinking imprinted paper. 2,005,742; June 25.
Hinkley, Carl C., Chicago, assignor to The Buda Company, Harvey, Ill. Compression control apparatus. 2,005,858; June 25.
Hitt, Ray C., Seattle, Wash. Pyrotechnic display. 2,006,271; June 25.

Hixon-Kelser Patents Corporation. (See Kelser, Morris, assignor.)
Hjelm, Oskar A., Stockholm, Sweden. Gearing device for bicycles and the like. 2,006,165; June 25.
Hoe, R., & Co., Inc. (See Lamatsch, Frederick, assignor.)
Hoffman, Edward L., Dayton, Ohio. Parachute pack. 2,005,743; June 25.
Hofmann, Harry E., New Providence Township, Union County, N. J., and J. G. Park, Brooklyn, assignors, by mesne assignments, to Stanco, Inc., New York, N. Y. Lacquer solvent. 2,006,166; June 25.
Hohl, Russell L., Shaker Heights, Ohio. Building construction. 2,005,994; June 25.
Hohmann, Frederick R., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass forming apparatus. 2,006,167; June 25.
Hoke, Walter W., assignor to R. Stuart, Forest Hills, N. Y. Mail advertising device. 2,005,859; June 25.
Holesworth, William S., Reno, Nev. Measuring dispenser. 2,006,019; June 25.
Holm, Waldemar, Furstenwalde/Spree, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Reversing mechanism for dry gas meters. 2,006,101; June 25.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 2,005,940; June 25.
Holley Carburetor Company. (See Meinzinger, Jacob, assignor.)
Holley, Earl, et al. (See Meinzinger, Jacob, assignor.)
Holley, George M., et al. (See Meinzinger, Jacob, assignor.)
Hondeville, August I., Merced, assignor to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Towel cabinet. 2,005,744; June 25.
Honing, Wilhelm, Eindhoven, Netherlands, assignor to General Electric Company. Illumination. 2,006,140; June 25.
Hood Rubber Company. (See Cate, Malcolm S., assignor.)
Hooper, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 2,005,720; June 25.
Hopkins, Arthur G., Maspeth, N. Y., assignor to National Can Company. Sheet metal can and rip strip therefor. 2,006,045; June 25.
Hopkinson, Ernst, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Automobile tire. 2,006,315; June 25.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner blade. 2,006,322; June 25.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,006,323; June 25.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Huckestein, Norman C., Pittsburgh, Pa. Shutter type partition for refrigerators. 2,006,046; June 25.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Diaphragm valve for tank assemblies. 2,006,319; June 25.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle construction. 2,006,320; June 25.
Hugh, Percy G. (See North, O. D., and Hugh.)
Hull, Harry E., Washington, D. C. Automobile control device. 2,005,745; June 25.
Humphrey, Walter E., Jeannette, Pa., assignor to Pennsylvania Rubber Company. Ball stencil. 2,005,787; June 25.
Huntington, Victor C., Wepsco Steel Products Co., Blue Island, Ill. Cooling system. 2,005,860; June 25.
Hurlburt, Ralph W., Sheffield, Mass. Milking-machine attachment. 2,006,272; June 25.
Hurt, Frank B., La Grande, Oreg. Aggregate spreader. 2,005,896; June 25.
Hussey, Frank L., assignor to Blue Ribbon Products Company, Inc., San Francisco, Calif. Steam pop-off valve. 2,006,141; June 25.
Hutchison, Miller R., Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, engine, and the like. 2,006,298; June 25.
Hutchman, James E., Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Annealing metal articles. 2,006,168; June 25.
Huyser, Hendrik W., Hilversum, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Heat transmission. 2,006,202; June 25.
Hutchinson, Thomas, Newport, Oreg. Felling and cutting felled trees. 2,006,241; June 25.
Hutchison, Miller R., Jr., New York, N. Y., assignor to Packard Motor Car Company, Detroit, Mich. Power transmission system. 2,005,974; June 25.
I. G. Farbenindustrie Aktiengesellschaft. (See Engelhardt, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., Eyer, Baetz, and Korn, assignors.)
Imai, Tomoso, Honolulu, Hawaii. Automobile lifting device. 2,006,242; June 25.
Imperial Chemical Industries Limited. (See Macarthur, A., and Hallwood, assignors.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
International Communications Laboratories, Inc. (See Smith, Clyde, assignor.)
International Printing Ink Corporation, The. (See McLeod, Earl H., assignor.)
International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,005,861; June 25.
Irving Trust Company, permanent trustee. (See Lamatsch, Frederick, assignor.)
Jacubson, Hirsch G., Berlin-Charlottenburg, Germany. Preparing a substance derived from an amino aliphatic acid and phenylquinoline orthocarboxylic acid which is capable of lowering the uric acid level. 2,006,020; June 25.
Jaeger Machine Company, The. (See Mandt, Obert G., assignor.)
Javery, Armon J. (See Javery, Frank B. and A. J.)
Javery, Frank B., Worcester, and A. J. Javery, Oxford, Mass., assignors to Warp Compressing Machine Company, Worcester, Mass. Thread tensioning device. 2,005,975; June 25.
Jekulaitis, Adam, Brooklyn, N. Y. Piping attachment for sewing machines. 2,006,243; June 25.
Jenks, Harold C. (See Dillon, H. G., Dreyer, and Jenks.)
Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Dispensing apparatus. 2,006,214; June 25.
Jessen, Theodor, Altona-Behrenfeld, Germany. Horn and howler for marine and naval use. 2,006,021; June 25.
Johnsen, Richard C., Hillside, N. J. Hedge trimming device. 2,005,862; June 25.
Johnson, Gustaf O., Elkhart, Ind., assignor to Loshbough-Jordan Tool & Machine Co. Flywheel mounting. 2,005,941; June 25.
Johnson, Sylvester A., North Providence, assignor to A and Z Chain Company, Providence, R. I. Clasp or connecter for watch bracelets and the like. 2,006,047; June 25.
Jokisch, Rudolf, Vienna, Austria. Line indicator or copy-holder for typists. 2,005,721; June 25.
Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
Jones, Lester L., Oradell, N. J., and T. E. Piazze, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Phonograph. 2,006,048; June 25.
Juhlin, Gustaf A., Timperley, England, assignor to General Electric Company. Winding for the stationary members of alternating current dynamo-electric machines. 2,006,170; June 25.
Jung, Oscar H., and P. E. Heffelfinger, assignors to Trico Fuse Manufacturing Co., Milwaukee, Wis. Liquid dispensing and level maintaining device. 2,006,142; June 25.
Junkers, Hugo, Dessau, Germany. Booster brake for vehicles. 2,006,102; June 25.
K-D Manufacturing Company. (See Kulp, H. W., and Dellinger, assignors.)
K. G. M. Radio Corporation. (See Moritz, Burt E., Jr., assignor.)
Kaeser, Frank J. (See Kassekert, H., and Kaeser.)
Kaestner, E. A., Company. (See Kaestner, Robert E., assignor.)
Kaestner, Robert E., Baltimore, Md., assignor to E. A. Kaestner Company. Heat interchange apparatus. 2,006,299; June 25.
Kalhaus, Ernst, J. E. de Christmas Dirckinck de Holmfeld, and Valdemar de Christmas Dirckinck de Holmfeld, Paris, France. Lighting apparatus. 2,006,171; June 25.
Kalichevsky, Vladimir. (See Fulton, S. C., and Kalichevsky.)
Kahn, Laskar. (See Knight, R. B., and Kahn.)
Karelitz, Max, Milford, Mass. Detachable fastening means for connecting collars to shirts. 2,006,103; June 25.
Kassekert, Henry, Maple Shade, N. J., and F. J. Kaeser, assignors to E. J. Spangler Company, Philadelphia, Pa. Mechanism for making and applying transparent window patches to envelopes. 2,006,215; June 25.
Kaufer, Felix. (See Halbig, P., and Kaufer.)
Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 2,006,051; June 25.
Kelser, Morris, assignor to Hixon-Kelser Patents Corporation, New York, N. Y. Automatic telephone message receiver and recorder. 2,005,788; June 25.
Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of ores by flotation. 2,006,049; June 25.
Keller, Henry V., Minneapolis, Minn. Ironing table. 2,005,976; June 25.
Kellerman, Marvin. (See Price, D. W., and Kellermann.)
Kendall, Russell. (See Mitchell, Edward R., assignor.)
Kestenman Bros. Mfg. Co. (See Kestenman, Chares H., assignor.)
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Extendible clasping device for watch-bracelets and the like. 2,006,050; June 25.

Ketel, Henry, Muskegon, Mich., and C. M. Harris and H. VanDerHeuvel, Netherlands, assignors, by mesne assignments, to West Michigan Steel Foundry Co., Muskegon, Mich. Fifth wheel construction. 2,005,722; June 25.
Kimmel, George P. (See Pappert, Emanuel, assignor.)
Kinatome Patents Corporation. (See Foster, W. D., and Parmelee, assignors.)
Kinatome Patents Corporation. (See Foster, Warren D., assignor.)
Kinninger, Arthur M., assignor of one-half to C. A. Kinninger, Dayton, Ohio. Anchor insert. 2,006,300; June 25.
Kinninger, Carl A. (See Kinninger, Arthur M., assignor.)
Kirkley, Clyde C., et al. (See Marshall, James H., assignor.)
Kitchen, Charles C., Toledo, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Index and signal. 2,005,977; June 25.
Klappauf, Ali F., Chicago, Ill. Electric machine. 2,006,172; June 25.
Knapper, Irving, Ossining, N. Y. Ignition and steering lock. 2,006,104; June 25.
Knight, Robert B., and L. Kahn, assignors to The Colorado Bedding Company, Denver, Colo. Cutting table. 2,006,074; June 25.
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode for a vapor electric device and constructing the same. 2,005,897; June 25.
Knox, Granville S., assignor to W. L. Cummings, Los Angeles, Calif. Rodless pump. 2,005,995; June 25.
Knudsen, Alfred, Astra (Chubut) Argentina. Apparatus for the distillation of oil. 2,006,273; June 25.
Koch, Henry, Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Signal light support. 2,005,863; June 25.
Koch, Lydia B., New York, N. Y. Bottle and manufacture same. 2,006,143; June 25.
Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. One tube radioreceiver. 2,005,780; June 25.
Kolar, Frank J. (See Price, D. W., and Kellermann, assignors.)
Kopsa, Julius F., Chicago, Ill. Liquid-separating device. 2,006,244; June 25.
Korn, Friedrich. (See Krauch, C., Eyer, Baets, and Korn.)
Kowalski, Bruno. (See Netzband, A., and Kowalski.)
Kraft, Norman, Wilmette, assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Apparatus for heat-treating cheese. 2,005,996; June 25.
Kraft-Phenix Cheese Corporation. (See Kraft, Norman, assignor.)
Kramar, Ernst, Berlin-Tempelhof, and E. Lüttcher, Berlin-Friedrichsfelde, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency telegraph transmitter. 2,005,790; June 25.
Krünzlein, Georg, Frankfort-on-the-Main, H. Schlichenmaier, Kelkheim in Taunus, and L. Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff of the quinophthalone series of good fastness to light. 2,006,022; June 25.
Krauch, Carl, C. Eyer, Ludwigshafen-on-the-Rhine, G. Baetz, Oggersheim and F. Korn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of mixed fertilizers. 2,005,997; June 25.
Kreuzer, Barton, Rockaway Park, N. Y., assignor to Radio Corporation of America. Amplifier. 2,006,052; June 25.
Kritchevsky, Wolf, Chicago, Ill. Removal of wool from animal skins. 2,005,746; June 25.
Kritchevsky, Wolf, Chicago, Ill. Removal of wool from animal skins. 2,005,747; June 25.
Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Linke, Gerhard, assignor.)
Kruse, Gustave, Newark, N. J. Hand bag. 2,005,791; June 25.
Kulp, Harry W., and M. C. Dellinger, assignors to K-D Manufacturing Company, Lancaster, Pa. Stand. 2,005,826; June 25.
Kulp, Harry W., and M. C. Dellinger, assignors to K-D Manufacturing Company, Lancaster, Pa. Clasp. 2,005,841; June 25.
Külz, Fritz. (See Rosenmund, K. W., and Külz.)
Kurrash, Chester A. (See Schlack, Herman C., assignor.)
Kushner, John, Farrell, Pa. Toy. 2,006,274; June 25.
LaGrange, Arthur, Vinton, Iowa. Label dispensing and moistening machine. 2,005,898; June 25.
Lake, St. Clair, Poughkeepsie, N. Y. Tension device for textile machines. 2,005,942; June 25.
Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., Irving Trust Company, permanent trustee, New York, N. Y. Inking mechanism for printing machines. 2,005,916; June 25.
Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Gaseous discharge converter. 2,006,053; June 25.
Lander, Erik, Oakland, Calif. Automatic saw filing device. 2,005,998; June 25.
Lange, Fritz and L. Taub, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Medicinal preparation. 2,006,023; June 25.
Larson, Edward S., assignor to Teletype Corporation, Chicago, Ill. Tape perforator. 2,005,748; June 25.
Larson, Lewis A., and A. Soll, Compton, Calif. Core ejector. 2,005,978; June 25.
Larson, Wallace O., assignor to Augsburg Publishing House, Minneapolis, Minn. Greeting card assembly. 2,005,999; June 25.
Lashbough-Jordan Tool & Machine Co. (See Johnson, Gustaf O., assignor.)
Layden, Thomas E., Topeka, Kans. Firebox door. 2,005,864; June 25.
Ledbetter, James C., Jackson Heights, Long Island, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Press. 2,005,865; June 25.
Leeds & Northrup Company. (See Behr, Leo, assignor.)
Lehmkuhl, Henry W., Rochester, N. Y. Washing apparatus. 2,006,085; June 25.
Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Bezel mounting. 2,005,792; June 25.
Leslie, Harold, assignor to Fibreboard Products Inc., San Francisco, Calif. Carton and liner for the same. 2,006,203; June 25.
Lessler, Lew W. (See Bornmann, C., Lessler, and Heyer.)
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control and signaling system. 2,005,899; June 25.
Lewis, Harry L., and F. W. Seybold, Dayton, assignors to Harris Seybold Potter Company, Cleveland, Ohio. Hollow drill sharpener. 2,005,827; June 25.
Libbey-Owens-Ford Glass Company. (See Crowley, Joseph P., assignor.)
Libbey-Owens-Ford Glass Company. (See Hohmann, Frederick R., assignor.)
Libbey-Owens-Ford Glass Company. (See Ryan, Joseph D., assignor.)
Libbey-Owens-Ford Glass Company. (See Schafer, Conrad B., assignor.)
Liberty Share Corporation. (See Morgan, Porter S., assignor.)
Lifsitz, Sol, assignor of one-half to I. M. Hertz, Detroit, Mich. Stamping machine. 2,006,204; June 25.
Lind, Edward, and D. Feigenbaum, New York, N. Y. Collar. 2,005,943; June 25.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,005,793; June 25.
Linke, Gerhard, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Production of circular or elliptical oscillations. 2,005,917; June 25.
Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)
Little, George, Sacramento, Calif. Priming solution for wall paper and like pastes. 2,005,900; June 25.
Lockwood, Alvah M., Charlotte, Tex. Windmill. 2,006,024; June 25.
Lofgren, Benjamin F., Salt Lake City, Utah. Star and time finder. 2,006,075; June 25.
Long, Thomas H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Induction sheet heater. 2,005,901; June 25.
Lorenz, C., Aktiengesellschaft. (See Kramar, E., and Lüttcher, assignors.)
Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Feed knock-off mechanism for lathes. 2,006,144; June 25.
Lovingood, Alvin, Los Angeles, Calif. Dispensing machine. 2,005,918; June 25.
Lowe, Kenneth J., Ilion, N. Y., assignor to Remington Arms Company, Inc. Gun sight. 2,005,866; June 25.
Ludwig, Leon R. (See Slepian, J., Ludwig, and Silverman.)
Lufkin Rule Company, The. (See Witchger, Eugene J., assignor.)
Lüttcher, Erich. (See Kramar, E., and Lüttcher.)
Mang, Max, Schwamendingen, near Zurich, Switzerland. Control system and to the control of fluid operated mechanism. 2,005,867; June 25.
Macarthur, Arthur, and A. J. Hallwood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Inhibitor. 2,006,216; June 25.
MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of sodium carbonate monohydrate. 2,005,868; June 25.
Maguire, Charles L., and G. Hadley, Mount Pleasant, Mich. Bottom hole well plug. 2,006,105; June 25.
Mallshev, Boris, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilized form of phosphorus pentoxide. 2,005,944; June 25.
Malloy, Frank J., Cleveland Heights, Ohio, and R. B. Thomas, Salem, Mass., assignors to General Electric Company. Method of and apparatus for sealing electric lamps and similar articles. 2,006,231; June 25.
Mandt, Obert G., assignor to The Jaeger Machine Company, Columbus, Ohio. Apparatus for building roads. 2,006,316; June 25.
Marcus, Etienne, Paris, France. Toy aeroplane. 2,005,842; June 25.
Markem Machine Company. (See Robbins, Charles F., assignor.)
Markert, Walter, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., Dresden, Germany. Knife mounting for machines. 2,006,106; June 25.

Markert, Walter, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Machine for cutting thin leaves. 2,006,107; June 25.
Marshall, Clinton E., New York, N. Y. Lip stick case. 2,005,794; June 25.
Marshall, James H., Hamlet, N. C., assignor of one-half to F. E. Campbell and one-fourth to C. C. Kirkley and N. M. Gibson, Hamlet, N. C. Hat brim protector. 2,006,245; June 25.
Marti, Paul, assignor to firm Schweiz, Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Type line composing and printing machine using circulating matrices. 2,006,246; June 25.
Martin, Richard H. (See Bush, A. O., and Martin.)
Mathewson, Wilfred B., North Weymouth, assignor to United Mattress Machinery Company, Quincy, Mass. Mattress-tufting device. 2,006,076; June 25.
Mathias, David L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding electrodes. 2,005,902; June 25.
Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
Mathieu, Gaston A., and O. S. Puckle, London, England, assignors to Radio Corporation of America. High frequency multiplex signaling system. 2,005,795; June 25.
Maurey, Eugene E., Chicago, Ill. Pulley. 2,006,145; June 25.
May, Orville E., Chevy Chase, Md., H. T. Herrick, Washington, D. C., A. J. Moyer, Takoma Park, Md., and P. A. Wells, Ballston, Va., assignors to H. A. Wallace, Secretary of Agriculture of the United States of America. Carrying out oxidative fermentations by molds or fungi. 2,006,068; June 25.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Fastener-applying implement. 2,006,054; June 25.
McCloskey, Frederick W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,005,903; June 25.
McDonald, William J. (See Wigness, Cornelius R., assignor.)
McKay Machine Company, The. (See Miller, Ralph J., assignor.)
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Lap arrester for winding machines. 2,006,035; June 25.
McKee, Garnet W. (See Olsen, Ove M., assignor.)
McLeod, Earl H., Rutherford, N. J., assignor to The International Printing Ink Corporation, New York, N. Y. Emulsion printing ink and making same. 2,005,945; June 25.
McNairy, Jacob W., and H. S. Ogden, Erie, Pa., assignors to General Electric Company. 2,006,173; June 25.
McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Ring holder lock. 2,006,056; June 25.
McQuaid, Howard S., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Blanc fixe. 2,006,219; June 25.
McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,006,220; June 25.
Mechanical Mold & Machine Company, The. (See Tham, Howard A., assignor.)
Meinzinger, Jacob, assignor to G. M. Holley and E. Holley, of the Holley Carburetor Company, Detroit, Mich. Hot spot manifold. 2,005,869; June 25.
Meiwald, Franz, Vienna, Austria. Knitted yarn and fabric made therefrom. 2,006,275; June 25.
Menger, Francis B. (See Price, A. L., and Menger.)
Menzel, Friedrich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric switch. 2,006,317; June 25.
Metcalfe, Percy W., assignor of one-half to Clayton Metcalfe & Company, Limited, Halifax, England. Leashing of banks of yarn. 2,006,247; June 25.
Meyer, Martinus A., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for examining the contents of tanks. 2,006,301; June 25.
Michalski, Martin, North Chicago, Ill. Lawn mower sharpening device. 2,006,025; June 25.
Michigan Electrotype and Stereotype Company. (See Berdan, Kenneth D., assignor.)
Michigan Tool Company. (See Drader, Joseph C., assignor.)
Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)
Midthun, Gerhard J., Lander, Wyo. Universal joint. 2,006,026; June 25.
Militello, Louis J., Wood River, Ill. Sugar bowl. 2,005,919; June 25.
Miller, Alvin L. and R. H., Detroit, Mich. Brake gauging device. 2,005,870; June 25.
Miller, Charles J., Chicago, Ill. Extension table. 2,005,947; June 25.
Miller, George P., Naperville, Ill. Potato food product. 2,006,146; June 25.
Miller, Ralph J., assignor to The McKay Machine Company, Youngstown, Ohio. Apparatus for working sheet metal. 2,006,087; June 25.
Miller, Russell H. (See Miller, Alvin L. and R. H.)
Miller, Russell W., Berkeley and L. V. Steck, Oakland, assignors to Shell Development Company, San Francisco, Calif. Making acetaldehyde. 2,005,946; June 25.
Mills, B. A., Shreveport, La. Automatic liner safety. 2,005,796; June 25.
Milnes, Tom, Lachute Mills, Quebec, Canada, assignor of one-half to Ayers Limited, Lachute Mills, Quebec, Canada. Dryer felt for paper making machines. 2,005,979; June 25.
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Minimax A.-G. See Betzler, Martin, assignor.)
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Retractable landing gear. 2,005,980; June 25.
Mitchell, Edward R., assignor of one-half to R. Kendall, Sarnia, Ontario, Canada. Separating oil from fuller's earth or similar material. 2,006,088; June 25.
Mitchell, Richard S. M., Detroit, Mich. Ball joint element. 2,005,948; June 25.
Monocap Limited. (See De Faveri, S., and Cimatti, assignors.)
Montourl, Felix C., Washington, D. C. Dust collector for abrading tools. 2,006,108; June 25.
Moore, Samuel, assignor of thirty-three and one-third per cent to R. Price and thirty-three and one-third per cent to W. Pierson, Cleveland, Ohio. Fuel-valve lock for motor vehicles. 2,006,027; June 25.
Moore, William, Chappaqua, assignor to American Cyanamid Company, New York, N. Y. Insecticide composition. 2,005,797; June 25.
Morey Lennie L. (See Morey, James J., assignor.)
Morey, James J., Chicago, Ill., assignor to L. L. Morey, Portland, Oreg. Optical system for photographic sound apparatus. 2,006,217; une 25.
Morgan, John D., South Orange, N. J., assignors to Doherty Research Company, New York, N. Y. Exhaust gas analyzer. 2,006,205; June 25.
Morgan, Porter S., New York, assignor to Liberty Share Corporation, Buffalo, N. Y. Vernier for meter registering mechanism. 2,005,949; June 25.
Morin, Louis H., assignor to American Flexible Shaft Manufacturing Corporation, New York, N. Y. Machine for producing flexible shafting. 2,006,174; June 25.
Moritz, Burt E., Jr., assignor to K. G. M. Radio Corporation, Denver, Colo. Centralized radio system. 2,006,077; June 25.
Moroney, Carl J., San Mateo, and W. O. Witherspoon, Burlingame, Calif. Apparatus for proportioning ingredients. 2,005,950; June 25.
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Draft regulator. 2,005,981; June 25.
Morton, James, Carlisle, England. Manufacture of fabrics. 2,005,951; June 25.
Morse, Clark T., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Heating and ventilating apparatus. 2,006,109; June 25.
Moser, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional apparatus. 2,005,798; June 25.
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Incorporated, New Haven, Conn. Adjustable sight for firearms. 2,005,952; June 25.
Mossberg, O. F., & Sons, incorporated. (See Mossberg, Harold F., assignor.)
Moyer, Andrew J. (See May, O. E., Herrick, Moyer, and Wells.)
Moyer, Charles L. (See Davis, J. A., and Moyer.)
Multicycol Pump & Engine Corporation. (See Hutchison, Miller R., Jr., assignor.)
Multigraph Company. (See Osborn, Henry C., assignor.)
Munn, Daniel A., Burlingame, Calif. Tool. 2,005,723; June 25.
Myers, Roy A., St. Paul, Minn. Mop head holder. 2,005,904; June 25.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Holm, Waldemar, assignor.)
Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 2,005,843; June 25.
National Can Company. (See Hopkins, Arthur G., assignor.)
National Postal Meter Company. (See Finfrock, John Q., assignor.)
National Superior Company, The. (See Young, Forrest J., assignor.)
Nelson, Adolph L., Indianapolis, Ind., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,006,008; June 25.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,006,009; June 25.
Nemmer, Albert W. (See Nemmer, Frank X. and A. W.)
Nemmer, Frank X. and A. W., Cheektowaga, N. Y. Spring cushion for furniture. 2,006,218; June 25.
Netzband, Alfred, and B. Kowalski, Berlin-Spandau, Germany. Sprinkler. 2,006,028; June 25.
Neugebauer, Hermann, Berlin-Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective scheme for transmission lines. 2,005,905; June 25.

Newforth, Frank, Jr., Temple City, Calif., assignor to American Telephone and Telegraph Company. Telephone system. 2,005,844; June 25.
New Jersey Zinc Company, The. (See Stutz, George F. A., assignor.)
New Products Corporation. (See Banker, Oscar H., assignor.)
Nichols, Henry, New York, N. Y. Vehicle washing apparatus. 2,006,029; June 25.
Nicholson, Frederick A., and W. T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company. Apparatus for removing bark from logs. 2,005,799; June 25.
Nicles, Hiram W., assignor to Vento Steel Sash Company, Muskegon Heights, Mich. Window lock and handle. 2,005,953; June 25.
Nielsen, Herluf, New York, N. Y. Headlight. 2,006,248; June 25.
Nodière, Victor, St.-Etienne, France. Safety bolt. 2,006,276; June 25.
North, Oliver D., and P. G. Hugh, assignors to Scammell Lorries Limited, London, England. Motor tractor and trailer. 2,006,000; June 25.
Northam, Alfred J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 2,006,057; June 25.
Norton Company. (See Bush, A. O., and Martin, assignors.)
Norton Company. (See Ridgway, Raymond R., assignor.)
Nutting, Gerry B. (See Banfield, F. E., Nutting, and Wright.)
O'Boyle, Thomas, Cleveland, assignor of one-half to H. Wright, Houston, Tex. Mixing apparatus. 2,005,800; June 25.
Ogden, Harold S. (See McNairy, J. W., and Ogden.)
Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Old Colony Distributing Company. (See Hibbard, Charles L., assignor.)
Olin, John F., Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Making amines and di-amines and products of said process. 2,006,058; June 25.
Olsen, Olaf J., Miami, Fla. Folding rocking chair. 2,006,277; June 25.
Olsen, Ove M., assignor to G. W. McKee, Rockford, Ill. Burner for various gases. 2,005,801; June 25.
Olympic Engineering Corporation. (See Renouf, Roy R., assignor.)
Ormbreck, Thomas O. (See Axelberg, Einar S., assignor.)
Osborn, Alden E., New York, N. Y. Circuit closer. 2,006,175; June 25.
Osborn, Henry C., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Index tab. 2,005,749; June 25.
Oslund Brothers Machine Company, The. (See Oslund, Walter W., assignor.)
Oslund, Walter W., assignor to The Oslund Brothers Machine Company, Incorporated, Holden, Mass. Labeling machine. 2,005,802; June 25.
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Packard Motor Car Company. (See Hutchison, Miller R., assignor.)
Palinkos, Stephen J., South Norwalk, Conn. Hinge. 2,006,110; June 25.
Palmer, De Mar A. (See Benbow, J. D., and Palmer.)
Pappert, Emanuel, Long Island City, N. Y., assignor to G. P. Kimmel, Washington, D. C. Rimless endpiece mounting. 2,006,278; June 25.
Pardee, Howard J., New York, N. Y. Meter construction. 2,005,845; June 25.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Machine for packing flat packets and the like. 2,006,147; June 25.
Park, James G. (See Hofmann, H. E., and Park.)
Parker-Meyer-Dennis Company. (See Davis, J. A., and Moyer, assignors.)
Parker, Orrel A., Cleveland, Ohio. Wheel. 2,005,828; June 25.
Parmelee, Earle L. (See Foster, W. D., and Parmelee.)
Parsons, Philip D., Swarthmore, assignor to Scott Paper Company, Chester, Pa. Roll labeling machine. 2,005,846; June 25.
Paxton, Robert. (See Reed, G. M., and Paxton.)
Peck, Edward B., Elizabeth, N. J., assignor to Standard-I. G. Company. Obtaining valuable refined distillates from unrefined hydrocarbon oils and products obtained thereby. 2,006,177; June 25.
Pennsylvania Rubber Company. (See Humphrey, Walter E., assignor.)
Penola, Inc. (See Reswick, Maurice, assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,005,750; June 25.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Thermostatic valve structure for hydraulic shock absorbers. 2,005,751; June 25.
Perkins Glue Company. (See Harvey, Ellery H., assignor.)
Perma Corporation. (See Dopp, Frank B., assignor.)
Permatex Company. (See Fuchs, Heman C., assignor.)
Perry, Charles W., Dotham, Ala. Combined fireplace back and water heater structure. 2,006,279; June 25.
Perser Corporation, The. (See Draper, Ernest E., assignor.)
Petersen, Carl A., and A. L. Christy, Chicago, Ill. Foot valve. 2,005,954; June 25.
Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Chemical Co. Preparing pen-points. 2,005,752; June 25.
Pfanstiehl Chemical Co. (See Pfanstiehl, Carl, assignor.)
Piazze, Thomas E. (See Jones, L. L., and Piazze.)
Pierce, Harold C., Anaheim, Calif., assignor to Food Machinery Corporation. Box stacker. 2,005,906; June 25.
Pierson, William, et al. (See Moore, Samuel, assignor.)
Piron, Emil H., assignor to The Detroit Edison Company, Detroit, Mich. Thermostat. 2,006,178; June 25.
Plaschka, Karl, Vienna, Austria. Muffle for use in connection with the casting of precious metals. 2,006,148; June 25.
Plausics, Alexander. (See Beardsley, B., and Plausics.)
Potigian, Armen, Davenport, Iowa. Animal trap. 2,006,111; June 25.
Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Seat control mechanism. 2,006,149; June 25.
Price, Arthur L., and F. B. Menger, Schenectady, N. Y., assignors to General Electric Company. Voltage surge indicator. 2,006,179; June 25.
Price, Duane W., and M. Kellermann, Chicago, Ill., assignors, by mesne assignments, to F. J. Kolar, South Bend, Ind. Target game. 2,006,180; June 25.
Price, Roger, et al. (See Moore, Samuel, assignor.)
Price, Nathan H., assignor of one-half to G. Gillespie, Birmingham, Ala. Pneumatic rifle. 2,006,030; June 25.
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Prosperity Company Inc., The. (See Davis, Ernest, assignor.)
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Puckle, Owen S. (See Mathieu, G. A., and Puckle.)
Pyzel, Ewald, Pittsburg, assignor to Shell Development Company, San Francisco, Calif. Catalytic converter. 2,006,078; June 25.
Quine, Harry L., Brooklyn, N. Y. Game. 2,006,176; June 25.
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Kreuzer, Barton, assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Mathieu, G. A., and Puckle, assignors.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Rall, Ottmar, Zurich, Switzerland. Projecting lamp for motor vehicles. 2,006,249; June 25.
Ramsey, Joseph H., Albany, N. Y. Bottle closure. 2,005,753; June 25.
Ray Burner Company. (S Vidalie, René M., assignor.)
Redro Laboratories, Inc. (See Austin, William E., assignor.)
Reed, George M., Yeadon, and R. Paxton, Drexel Hill, Pa., assignors to General Electric Company. Panel board and wiring the same. 2,006,150; June 25.
Reel, Jesse K., Cantril, assignor of one-half to J. N. Calhoun, Keosauqua, Iowa. Toy fishing outfit. 2,005,803; June 25.
Reid, George H., Kingston-on-Thames, England. Gyroscopic turn indicator. 2,006,112; June 25.
Reither, Emil A., Aitkin, Minn. Building construction. 2,005,921; June 25.
Remington Arms Company. (See Lowe, Kenneth J., assignor.)
Remington Rand Inc. (See Kitchen, Charles C., assignor.)
Remy, Frank L., Syracuse, Ind. Closure for containers. 2,005,871; June 25.
Renouf, Roy R., assignor to Olympic Engineering Corporation, Los Angeles, Calif. Well packer. 2,005,955; May 25.
Reswick, Maurice, Pittsburgh, Pa., assignor to Penola, Inc. Lubricating device. 2,006,181; June 25.
Richmond Fireproof Door Company, The. (See Bancroft, James E., assignor.)
Riddell, John T., Chicago, Ill. Leather forming machine. 2,005,804; June 25.
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Making abrasive metal carbides and an apparatus therefor. 2,005,956; June 25.
Ridler, Earl S., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Regeneration of platinum contact masses. 2,006,222; June 25.
Ridler, Earl S., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Treatment of platinum contact masses. 2,006,22; June 25.

Riley, Perry, Coventry, England. Change speed mechanism. 2,006,250; June 25.
Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Marking machine. 2,006,302; June 25.
Röber, Constantin F., assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Apparatus for applying a cigar wrapper to a bunch. 2,006,113; June 25.
Roberts, Robert P. (See Hibbert, H. M., and Roberts.)
Rocke, Louis, Brooklyn, N. Y. Detachable clasp. 2,005,872; June 25.
Rockhill Coal & Iron Company. (See Shiley, Elmer C.)
Rollins, Irving E., Worcester, Mass. Lighting unit for lanterns. 2,006,251; June 25.
Rolwing, Rosemary. (See Florman, I., and Rolwing.)
Rosenmund, Karl W., and F. Kiliz, Kiel, Germany. Aliphatic-aromatic amine and making same. 2,006,114; June 25.
Rosenthal, Frank, San Andreas, Calif. Blasting cap. 2,005,957; June 25.
Rothammel, Erich, Pforzheim, Germany, assignor to the firm Sulfurit S. A., Basel, Switzerland. Apparatus for the manufacture of sulphuric acid. 2,006,031; June 25.
Round, Henry J., London, England, assignor to Radio Corporation of America. Aerial. 2,005,805; June 25.
Rowe, Eugene A., San Francisco, S. H. Edwards and F. N. Fossati, Richmond, Calif., assignors to Standard Oil Company of California, San Francisco, Calif. Apparatus for annealing. 2,006,001; June 25.
Rudorff, Dagobert W., Berlin-Wannsee, Germany. 2,006,035; June 25.
Rupert, Lilburn L., Muskogee, Okla. Bridle bit. 2,006,032; June 25.
Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,006,182; June 25.
Sandberg, Robert N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in applying pressure to shoe bottoms. 2,005,754; June 25.
Sanders, Albert D., Jr. (See Weber, G. B., and Sanders.)
Sassen, Bernard. (See Ernst, H., and Sassen.)
Saurer, Curt, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Flexible connection. 2,006,303; June 25.
Scammell Lorries Limited. (See North, O. D., and Hugh, assignors.)
Schaake, William, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley wire support. 2,005,907; June 25.
Schaake, William, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pa. Current collecting equipment. 2,005,908; June 25.
Schaefer, Josef, Dortmund, Germany. Operation of coke ovens and ovens therefor. 2,006,115; June 25.
Schafer, Conrad B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Template. 2,006,183; June 25.
Schaffer, Stanley S., Chicago, Ill. Smoking pipe. 2,005,873; June 25.
Schemmel, R. C., et al. (See Hall, William J., assignor.)
Schering-Kahlbaum A. G. (See Schoeller, W., Allardt, and Feldt, assignors.)
Schilder, Theodore, and G. Erlemann, assignor to Fred Goat Co., Inc., New York, N. Y. Stiffproof package and making the same. 2,006,060; June 25.
Schilling, Arthur B., Rockaway, and C. Casey, Dover, N. J. Packing a round of ammunition. 2,005,756; June 25.
Schlack, Herman C., assignor of forty-nine one-hundredths to C. A. Kurrash, Detroit, Mich. Square shear gauge. 2,005,829; June 25.
Schleicher, Frederick L., St. Louis County, Mo. Fluid seal. 2,005,833; June 25.
Schlichenmaier, Hans. (See Kränzlein, G., Schlichenmaier, and Schörnig.)
Schlueter, Theodore J., New Orleans, La. Pump for hydraulic drives. 2,006,280; June 25.
Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Meat grinding machinery. 2,006,318; June 25.
Schmidt, Richard, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Sound film. 2,005,847; June 25.
Schmiedel, Johannes, Dresden, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany. Method and apparatus for applying paper bands and the like to cigars. 2,006,116; June 25.
Schneider, Wilhelm, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of photographic silver halide emulsion layers. 2,006,002; June 25.
Schnell, Steve. (See Dick, B., and Schnell.)
Schnell, Steve, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking apparatus. 2,005,874; June 25.
Schoeller, Walter, Berlin-Westend, H. G. Allardt, Berlin-Reinickendorf-West, and A. Feldt, Berlin-Charlottenburg, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Complex compound of organic mercapto compounds. 2,006,003; June 25.
Scholtes, Albert J., Baltimore, Md. Scooter and sleigh runner. 2,006,325; June 25.
Scholtes, Albert J., Baltimore, Md. Flexible coasting sled. 2,006,326; June 25.
Scholtes, Albert J., Baltimore, Md. Hose clamp. 2,006,327; June 25.
Scholtes, Albert J., Baltimore, Md. Center bowing steering and braking sled runners. 2,006,328; June 25
Scholtes, Albert J., Baltimore, Md. Encircling band tightener. 2,006,329; June 25.
Scholtes, Albert J., Baltimore, Md. Coasting sled. 2,006,330; June 25.
Schörnig, Ludwig. (See Kränzlein, G., Schlichenmaier, and Schörnig.)
Schrader, Gerhard, Opladen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water insoluble azo dyestuff containing a benzanthrone nucleus. 2,005,848; June 25.
Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Treatment of rubber. 2,006,184; June 25.
Schreiner, Carl R., Brooklyn, N. Y. Pile wire for looms. 2,006,151; June 25.
Schroeder, Adolph G. (See Toriello, Frank, A., and Schroeder.)
Schuler, Reuben. (See Brooks, B. T., and Schuler.)
Schumacher, Joseph, Peru, Ill., assignor to Carus Chemical Company. Hydroquinone manufacture. 2,006,324; June 25.
Schupp, Alfred B., Richmond Hill, N. Y. Combined case and stand for thermometers. 2,005,909; June 25.
Schwarz, Philipp, Wuppertal-Barmen, Germany. Manufacturing bobbins, particularly film bobbins. 2,006,281; June 25.
Schwarzmann, Wolfgang E., Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Circuit breaker. 2,005,806; June 25.
Schweiz, Lokomotiv- und Maschinenfabrik. (See Martl, Paul, assignor.)
Scott, John, St. George, Staten Island, N. Y. Display sign. 2,005,757; June 25.
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scovill Manufacturing Company, The. (See Bertschinger, Charles F., assignor.)
Seeburg, Justus P. (See Wilcox, Russell I., assignor.)
Segal, Ralph H., and T. I., Brooklyn, N. Y. Lighter. 2,006,061; June 25.
Segal, Theodore I. (See Segal, Ralph H. and T. I.)
Sereff, Peter H., Denver, Colo. Tile. 2,005,958; June 25.
Sharpe, Charles E., Kenmore, N. Y. Hanger. 2,006,033; June 25.
Sharples Solvents Corporation, The. (See Olin, John F., assignor.)
Shear, Frank K., Ravena, N. Y. Internal combustion motor. 2,006,117; June 25.
Shell Development Company. (See Huyser, Hendrik W., assignor.)
Shell Development Company. (See Mallshev, Boris, assignor.)
Shell Development Company. (See Meyer, Martinus A., assignor.)
Shell Development Company. (See Millar, R. W., and Steck, assignors.)
Shell Development Company. (See Pyzel, Ewald, assignor.)
Serv-A-Towel Manufacturing Company. (See Houdeville, August L., assignor.)
Seybold, Frederick W., Dayton, assignor to Harris Seybold Potter Company, Cleveland, Ohio. Back guage stop mechanism. 2,005,830; June 25.
Seybold, Frederick W. (See Lewis, H. I., and Seybold.)
Shaw, James, assignor to The Colonial Salt Company, Akron, Ohio. Pouring carton. 2,005,831; June 25.
Shell Development Company. (See Carney, Samuel C assignor.)
Sheppard, John J., Flint, Mich. Weather strip. 2,005,823; June 25.
Shiley, Elmer C., Mount Union, assignor to J. W. Wetter, Philipsburg, receiver for Rockhill Coal & Iron Company, Robertsdale, Pa. Crusher. 2,005,758; June 25.
Shunk, L. E. (See Grabler, Peter, assignor.)
Sidler, Siegfried, Zurich, Switzerland. Needle threading device. 2,006,185; June 25.
Silverman, Daniel, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa Ignition system. 2,005,875; June 25.
Silverman, Daniel. (See Slepian, J., Ludwig, and Silverman.)
Skinner, Perry R., Amsterdam, N. Y. Angle dental handpiece. 2,005,849; June 25.
Slaughter, Charles E., Montclair, N. J. Automatic projector. 2,005,759; June 25.
Slepian, Joseph, Pittsburgh, L. R. Ludwig, Wilkinsburg, and D. Silverman, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical conversion system. 2,005,876. June 25.
Smith, Bowman S., Stockton, Calif. Gas saving deflector 2,005,982; June 25.
Smith, Clarence M. (See Craft, Walter B., assignor.)
Smith, Clyde, Hopkinsville, Ky., assignor to International Communications Laboratories, Inc., New York, N. Y Stock quotation posting and margin calculating machine. 2,005,807; June 25.
Smith, Corinne S., Walkerton, Ind. Cover for chickens. 2,006,118; June 25

Smith, Edwin F., Prospect Park, Pa., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature control system. 2,006,282; June 25.
Smith, Herbert, Clinton, Mass., assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Convection type radiator enclosure. 2,005,808; June 25.
Smith, John C., and G. H. Campbell, assignors to Solar Laboratories, Monaca, Pa. Stenciling method and apparatus. 2,005,809; June 25.
Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerant compressor. 2,005,959; June 25.
Società Italiana Pirelli. See Emanuell, Luigi, assignor.
Solar Laboratories. (See Smith, J. C., and Campbell, assignors.)
Soll, Arthur. (See Larson, L. A., and Soll.)
Southwell, Raymond J., and T. H. Wickwire, Jr., New York, N. Y. Selvaged unwoven zigzag fabric. 2,005,760; June 25.
Spangler, E. J., Company. (See Kassekert, H., and Kaeser, assignors.)
Speeg, George, Hartwell, Ohio. Combination back-up and tail light. 2,005,761; June 25.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Flow control. 2,006,152; June 25.
Staempfli, Joseph, New Orleans, La. Machine for making boiler cleaner nozzles. 2,006,283; June 25.
Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the dibenzanthrone series and preparing the same. 2,005,810; June 25.
Stanco, Inc. (See Hofmann, H. E., and Park, assignors.)
Standard Alcohol Company. (See Brooks, B. T., and Schuler, assignors.)
Standard-I. G. Company. (See Fulton, S. C., and Kalichevsky, assignors.)
Standard-I. G. Company. (See Peck, Edward G., assignor.)
Standard Oil Company. (See Adams, C. E., and Voorhees, assignors.)
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Oil Company. (See Brown, Bruce K., assignor.)
Standard Oil Company. (See Frolich, P. K., and Wiezevich, assignors.)
Standard Oil Company of California. (See Rowe, E. A., Edwards, and Fossati, assignors.)
Standard Oil Development Company. (See Anderson, Richard D., assignor.)
Standard Oil Development Company. (See Harpster, Walter C., assignor.)
Standard Oil Development Company. (See Stines, Daniel E., assignor.)
Standard Oil Development Company. (See Sydnor, Harold, assignor.)
Stark, Julian H., and H. M. Witherow, Fort Wayne, Ind., assignors to General Electric Company. Demand meter. 2,006,321; June 25.
Steck, Leo V. (See Millar, R. W., and Steck.)
Steele, James W., Kansas City, Mo. Garment finishing apparatus. 2,005,960; June 25.
Steimmig, Franz, Hermsdorf, near Kynast, Germany. Preparing and maturing alkali cellulose. 2,005,811; June 25.
Steinmetzer, Joseph N., Watermael, Belgium. Apparatus for the separation of dry materials. 2,006,119; June 25.
Stetson Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)
Stevens, Gray, Weymouth, Mass., assignor, by mesne assignments, to American Sales Book Company, Inc. Manifolding record book. 2,006,034; June 25.
Stewart, Alden D., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Water heater control 2,006,035; June 25.
Stines, Daniel E. Plainfield, N. J., assignor to Standard Oil Development Company. Rectifying process. 2,006,186; June 25.
Stockle, Erwin R., assignor to Central Radio Laboratories, Milwaukee, Wis. Resistance element and making same. 2,005,922; June 25.
Stone, Morris, and R. Baudry, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control means for well drilling equipment. 2,005,877; June 25.
Strauss, Jerome, Pittsburgh, assignor, by mesne assignments, to U. S. Rustless Steel & Iron Corporation, Bridgeville, Pa. Alloy steel. 2,006,304; June 25.
Strynatka, Thomas G., Mirror, Alberta, Canada. Crossing signal. 2,006,129; June 25.
Stuart, Robert. (See Hoke, Walter W., assignor.)
Stutz, George F. A., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of pigments. 2,006,187; June 25.
Sulfurit S. A. (See Rothammel, Erich, assignor.)
Sutherland Paper Company. (See Wilson, Dorian M., assignor.)
Swearingen, Garrett V., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Vessel lining. 2,006,331; June 25.
Swift, Claude E. (See Bray, U. B., and Swift.)
Sydnor, Harold, Elizabeth, N. J., assignor to Standard Oil Development Company. Cracking. 2,006,188; June 25.
Symington Company, The. (See Barrows, Donald S., assignor.)
Taub, Ludwig. (See Lange, F., and Taub.)
Taylor Freezer Corporation. (See Dennison, Forrest W., assignor.)
Technidyne Corporation. (See Jones, L. L., and Piazze, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
Telesky, Thomas, Amsterdam, N. Y. Pull and drag-saw machine. 2,005,961; June 25.
Teletype Corporation. (See Larson, Edward S., assignor.)
Television Limited. (See Baird, John L., assignor.)
Terman, Frederick E., Stanford University, Calif. Thermionic tube. 2,006,079; June 25.
Testi, Nicholas, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,006,062; June 25.
Texas Company, The (See Swearingen, Garrett V., assignor.)
Tham, Howard A., assignor to The Mechanical Mold & Machine Company, Akron, Ohio. Profiling attachment for planers. 2,006,121; June 25.
Thomas, Arthur L. Trenton, and L. D. Ellis, Princeton, N. J. Hair straightening device. 2,006,284; June 25.
Thomas, John G., New York, N. Y. Method and apparatus for treating slimy materials. 2,005,812; June 25.
Thomas, Ralph B. (See Malloy, F. J., and Thomas.)
Thompson, Albert C. (See Almquist, M. L., and Thompson.)
Thorsen, Thorvald L., Beloit, Wis. Pressure reducing valve. 2,005,813; June 25.
Tompkins, Claude A. (See Dixon, Cornelius W., assignor.)
Tompkins, Claude A., Jacksonville, Fla. Turpentine cup and securing means. 2,006,089; June 25.
Toriello, Angelo. (See Torellio, Frank and A., and Schroeder.)
Torlello, Frank and A., Hackensack, and A. G. Schroeder, Teaneck, N. J. Sled brake. 2,005,920; June 25.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Explosionproof cable connector. 2,006,090; June 25.
Trico Fuse Manufacturing Co. (See Jung, O. H., and Heffelfinger, assignors.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Hueber, Henry, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trix, Herbert B., Grosse Pointe Village, assignor to American Injector Company, Detroit, Mich. Thermostatic valve. 2,006,153; June 25.
Tubus, A. G. (See Weffing, Adolf, assignor.)
Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Oil soluble resin. 2,006,189; June 25.
"Unichem" Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
Union Oil Company of California. (See Blanchard, Benjamin F., assignor.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
United American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
United Engineers & Constructors Inc. (See Chewning, Walter L., assignor.)
United Mattress Machinery Company. (See Mathewson, Wilfred B., assignor.)
United Shoe Machinery Corporation. (See Better, Francis J., assignor.)
United Shoe Machinery Corporation. (See Doyle, Thomas J., assignor.)
United Shoe Machinery Corporation. (See Hooper, Fred E., assignor.)
United Shoe Machinery Corporation. (See Sandberg, Robert N., assignor.)
United States Rubber Company. (See Ewart, E. S., and Bull, assignors.)
United States Rubber Company. (See Hopkinson, Ernest assignor.)
United States Rubber Company. (See Hutchman, James E., assignor.)
U. S. Rustless Steel & Iron Corporation. (See Strauss, Jerome, assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Markert, Walter, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Röber, Constantin F., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Schmiedel, Johannes, assignor.)
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Vehicle insulation. 2,006,232; June 25
Upson Company, The. (See Upson, Charles A., assignor.)
Upton, Albert L., St. Louis, Mo. Control system for theater lighting circuits. 2,006,223; June 25.

Vance, Arthur W., Camden, N. J., assignor to Radio Corporation of America, New York, N. Y. Cathode ray apparatus. 2,006,063; June 25.

Van Der Heuvel, Hine. (See Ketal, H., Harris, and Van Der Heuvel.)

Vento Steel Sash Company. (See Nicles, Hiram W., assignor.)

Vereinigte Stahlwerke Aktiengesellschaft. (See Dörrenhaus, G., and Walter, assignors.)

Vereinigte Stahlwerke Aktiengesellschaft. (See Zimmermann, Hans, assignor.)

Vidalie, René M., assignor to Bay Burner Company, San Francisco, Calif. Oil burner. 2,005,832; June 25.

Von Zimmermann, Max K., Elkhart, Ind. Straight-edge. 2,006,285; June 25.

Voorhees, Vanderveer (See Adams, C. E., and Voorhees.)

Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie, G. m. b. H. (See Halbig, P., and Kaufler, assignors.)

Wagner Electric Corporation. (See Dick, B., and Schnell, assignors.)

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wallace, Henry A., Secretary of Agriculture of The United States of America. (See May, O. E., Herrick, Moyer, and Wells, assignors.)

Waller, Arthur, Chicago, Ill. Key-container. 2,006,286; June 25.

Walsh, James F., South Orange, N. J., assignor to Celluloid Corporation. Mirror. 2,005,814; June 25.

Walter, Charles T., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Conveyer. 2,006,091; June 25.

Walter, Simon. (See Dörrenhaus, G., and Walter.)

Ware, Herbert M., Northwood, England. Making containers. 2,006,036; June 25.

Warner & Swasey Company. (See Burrell, Edward P., assignor.)

Warp Compressing Machine Company. (See Javery, Frank B., and A. J., assignors.)

Webb, Charles H. (See Hight, G. F., and Webb.)

Weber, Grable B., Chicago, and A. D. Sanders, Jr., Evanston, Ill. Device for and method of packing and protecting objects. 2,006,224; June 25.

Weding, Adolf, Witten/Ruhr, Germany, assignor to Tubus A. G., Zurich, Switzerland. Extrusion press. 2,006,080; June 25.

Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Knockdown tilt display carton. 2,005,816; June 25.

Weissflog, Arthur R., Pittsburgh, Pa. Dispensing unit. 2,005,762; June 25.

Weller, Ben, Midwest, Wyo. Windshield defrosting device. 2,006,122; June 25.

Wells, Percy A. (See May, O. E., Herrick, Moyer, and Wells.)

Wensel, Frederick C., Stamford, Conn. Window casement. 2,006,004; June 25.

Wepeco Steel Products Co. (See Huntington, Victor C., assignor.)

Western Austin Company. (See Benbow, J. D., and Palmer, assignors.)

Western Union Telegraph Company, The. (See Beardsley, B., and Plausics, assignors.)

Western Union Telegraph Company, The. (See Wilder, H. F., and Haglund, assignors.)

Westinghouse Electric & Manufacturing Company. (See Arnold, E. E., and Fortescue, assignors.)

Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bernarde, Henry L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brindley, William E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Carson, Robert W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Dillon, H. G., Dreyer, and Jenks, assignors.)

Westinghouse Electric & Manufacturing Company. (See Dunloo, James, assignor.)

Westinghouse Electric & Manufacturing Company. (See Eberly, Robert S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Guilliksen, Finn H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hellmund, R. E., and Forbes, assignors.)

Westinghouse Electric & Manufacturing Company. (See Hengstenberg, Paul M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lewis, Frank E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Mathias, David L., assignor.)

Westinghouse Electric & Manufacturing Company. (See McCloskey, Frederick W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Neugebauer, Hermann, assignor.)

Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)

Westinghouse Electirc & Manufacturing Company. (See Silverman, Daniel, assignor.)

Westinghouse Electric & Manufacturing Company. (See Sieplan, J., Ludwig, and Silverman, assignors.)

Westinghouse Electric & Manufacturing Company. (See Stone, M., and Baudry, assignors.)

Westinghouse Electric Elevator Company. (See White, Kenneth M., assignor.)

West Michigan Steel Foundry Co. (See Ketel, H., Harris, and Van Der Heuvel, assignors.)

Wetter, J. William, receiver. (See Shiley, Elmer C., assignor.)

White, Kenneth M., Mooresville, Ind., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,005,878; June 25.

Whitehead, Frederick W., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Milling machine. 2,006,123; June 25.

Wickwire, Theodore H., Jr. (See Southwell, R. J., and Wickwire.)

Wickwire Spencer Steel Company. (See Smith, Herbert, assignor.)

Wiezevich, Peter J. (See Frolich, P. K., and Wiezevich.)

Wigness, Cornelius R., Harlan, assignor of one-fourth to W. J. McDonald, Portsmouth, Iowa. Internal combustion engine. 2,006,225; June 25.

Wilbanks, Allen M., deceased, Amarillo, Tex., O. Wilbanks, executrix. Water softener. 2,006,287; June 25.

Wilbanks, Ophelia, executrix. (See Wilbanks, Allen M.)

Wilcox, Albert C., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Automatic thermostatic switch plug. 2,005,763; June 25.

Wilcox, Albert C., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Automatic electric drip coffee urn. 2,005,764; June 25.

Wilcox, Russell I., assignor of one-half to J. P. Seeburg, Chicago, Ill. Selective automatic phonograph. 2,005,923; June 25.

Wilder, Harold F., Chatham, N. J., and H. H. Haglund, assignors to The Western Union Telegraph Company, New York, N. Y. Carrier dispatch system. 2,006,305; June 25.

Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Apparatus and method for temperature regulation. 2,006,306; June 25.

Wilhelm, Harold F., East Orange, N. J. Match box. 2,006,190; June 25.

Williams, Harry M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,005,834; June 25.

Williamson, Floyd M., Detroit, Mich. Vanity case. 2,005,835; June 25.

Wilson, Dorian M., assignor to Sutherland Paper Company, Kalamazoo, Mich. Dispensing carton. 2,005,924; June 25.

Winthrop Chemical Company. (See Lange, F., and Taub, assignors.)

Wirth, Walter V., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of meta-cresol-methyl ether. 2,005,815; June 25.

Witcher, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Attachment for measuring tapes. 2,005,850; June 25.

Witherow, Harry M. (See Stark, J. H., and Witherow.)

Witherspoon, William O. (See Moroney, C. J., and Witherspoon.)

Woodruff, Alvie C., Drewsey, Oreg. Dredge and diving bell. 2,006,037; June 25.

Wright, Hugh. (See O'Boyle, Thomas, assignor.)

Wright, Wallace C., Brookfield, N. H., assignor to American Shoe Machinery Corporation, Boston, Mass. Tempering leather soles. 2,005,765; June 25.

Wright, Warren O. (See Banfield, F. E., Nutting, and Wright.)

Wright, Warren O., Freeport, N. Y., assignor to Auto Research Corporation, Wilmington, Del. Lubrication. 2,005,766; June 25.

Yamaki, Nasuji, Sanno, Omori-Ku, Tokyo-Shi, Japan. Vehicle tire. 2,006,038; June 25.

Yardley & Company Limited. (See Carter, Elsie M., assignor.)

Yaxley, Robert G., Waterford, N. Y. Pipe and protecting same. 2,006,226; June 25.

Yoder, Daniel D., Seattle, Wash. Scratching post. 2,005,817; June 25.

Young, Charles D., Haverford, Pa. Railway car truck. 2,005,983; June 25.

Young, Forrest J., Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Nut lock device. 2,006,064; June 25.

Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)

Youngstown Steel Door Company, The. (See McWilliams, J. B., and Ditchfield, assignors.)

Zalger, Max, Swampscott, Mass. Windshield heater. 2,006,005; June 25.

Zalger, Max, Swampscott, Mass. Windshield heater 2,006,006; June 25.

Zimmer, Josef, Nurburg, near Ahrweiler, Germany. Camera for taking instantaneous color photographs. 2,006,007; June 25.

Zimmermann, Hans, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Movable weir. 2,006,252; June 25.

Zimmermann, Hans, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Movable weir. 2,006,253; June 25.

Zimmers, Joseph B., et al. (See Hall, William J., assignor.)

Zook, Alvin D., Pueblo, Colo. Device for use in cleaning steering wheels. 2,005,925; June 25.

Zublin, John A., Bel Air, Calif. Method and apparatus for operating oil wells. 2,005,767; June 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air brake. C. A. Campbell. 19,621; June 25.
Antislagging arrangement. W. H. Armacost. 19,619; June 25.
Carton, Collapsible egg. E. G. Levkoff. 19,625; June 25.
Drum weir. B. H. Kersting. 19,623; June 25.
Envelope, Shirt. L. Blumenstock. 19,620; June 25.
Fastener, fastener installation and attaching the same, Separable. A. W. Kimbell. 19,624; June 25.
Fiber, Making felted mineral. E. R. Powell. 19,627; June 25.
Multiplex receiving apparatus. R. E. Mathes. 19,626; June 25.
Valve mechanism. L. M. Goldsmith. 19,622; June 25.

LIST OF DESIGN INVENTIONS

Apparel holder and umbrella handle or similar article, Combined. S. Osterman. 96,052–3; June 25.
Base unit of a studio couch or similar article. M. Fox. 96,029; June 25.
Bottle. A. C. Meyer. 96,045; June 25.
Bottle or similar article. C. J. Chamales. 96,019; June 25.
Bowl or similar article. C. W. Oldham. 96,048; June 25.
Bowl or the like, Shaving. C. S. Gage and W. D. Canaday. 96,030; June 25.
Bridge for eyeglasses. H. W. Gram. 96,035; June 25.
Brush or similar article. A. Wewetzer. 96,072; June 25.
Buckle. L. Alterson. 96,001; June 25.
Button. C. T. Thorne. 96,063; June 25.
Cap, Military. M. Greenberg. 96,034; June 25.
Card, Display. A. Bleich. 96,010; June 25.
Carpet. P. V. Beneville. 96,004–5; June 25.
Carpet. J. S. Travis. 96,064–5; June 25.
Clock or similar article. O. Ciccarelli. 96,020–1; June 25.
Couch or the like. J. W. Bowersox. 96,013–14; June 25.
Cravat holder. J. O. Pollack. 96,054; June 25.
Dolly. E. J. and G. A. Hutt. 96,040; June 25.
Electric heater for hair waving. H. Bonat. 96,012; June 25.
Electron discharge device. T. M. Shrader. 96,061; June 25.
Electron discharge device. N. R. Smith. 96,062; June 25.
Finger ring. A. Sager. 96,056; June 25.
Flash light and umbrella handle or similar article, Combined. S. Osterman. 96,050—1; June 25.
Flatiron, Electric. G. Waage. 96,070; June 25.
Game board. G. Ellison. 96,027; June 25.
Game board or similar device. H. Schwartz. 96,060; June 25.
Hat. I. Eisenberg. 96,026; June 25.
Hat. S. Scheuer. 96,058; June 25.
Heater. A. D. Olds. 96,049; June 25.
Leather. H. Heidemann. 96,039; June 25.
Lighting unit. J. H. Blitzer. 96,011; June 25.
Mixing machine casing. E. A. Jackson. 96,041; June 25.
Nozzle for a suction machine. C. S. Morse. 96,047; June 25.
Paper, Decorated wrapping. A. Hegmann. 96,038; June 25.
Paving block. F. Belda. 96,003; June 25.
Penn, Fountain. W. R. Cuthbert. 96,023; June 25.
Pencil. W. R. Cuthbert. 96,022; June 25.
Platter. F. J. Muscuch. 96,044; June 25.
Radiocabinet. A. C. Haggstrom. 96,036; June 25.
Rug. J. J. Moll and W. C. Chapman. 96,046; June 25.
Rug. I. J. Vetter. 96,069; June 25.
Sharpener, Razor blade. A. F. Weiss. 96,071; June 25.
Shoe. V. De Liso. 96,024; June 25.
Shoe. H. Goldberg. 96,033; June 25.
Shoe. R. Rome. 96,055; June 25.
Shoe. J. Scacco. 96,057; June 25.
Shoe. A. Turlinsky. 96,066–8; June 25.
Shoe heel. F. Bernstein. 96,006–7; June 25.
Shoe heel. F. C. Lovejoy. 96,043; June 25.
Skillet or similar article. L. H. Amrine. 96,002; June 25.
Spoon or other article of flatware. F. R. Woodward. 96,074–5; June 25.
Spoon or similar article. G. N. Allen, C. A. Bennett, and L. E. Ressegger. 96,000; June 25.
Stove or similar article, Cooking. F. K. Berry and A. J. Reedy. 96,008–9; June 25.
Telephone receiver base. P. J. Cannon. 96,018; June 25.
Textile fabric. A. C. Brulne. 96,015–17; June 25.
Textile fabric. C. E. Forstmann. 96,028; June 25.
Textile fabric or similar article. A. C. Jaeger. 96,042; June 25.
Textile fabric or similar article of manufacture. J. F. Gaul, Jr. 96,031–2; June 25.
Textile fabric or similar article of manufacture. A. Schumacher. 96,059; June 25.
Tray, Ash. R. P. Harshberger. 96,037; June 25.
Vanity case. A. Wewetzer. 96,073; June 25.
Vanity case or similar article. D. H. Zell. 96,076–7; June 25.
Weighing and advertising device, Combined. G. G. Eidman. 96,025; June 25

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1935

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetaldehyde, Making. R. W. Millar and L. V. Steck. 2,005,946; June 25.
Acid and benzoates, Production of benzoic. J. E. Demant. 2,005,774; June 25.
Acid, Apparatus for the manufacture of sulphuric. E. Rothammel. 2,006,031; June 25.
Acid from sulphite waste liquor, Apparatus for separating sulphurous. K. Heinemann. 2,006,138; June 25.
Acids, Preparing substituted malonic. P. Halbig, and F. Kaufler. 2,006,314; June 25.
Aerial. H. J. Round. 2,005,805; June 25.
Aerial system, Directive. A. Gothe. 2,005,779; June 25.
Aggregate spreader. F. B. Hurt. 2,005,896; June 25.
Air circulating apparatus. F. J. Day. 2,006,069; June 25.
Air conditioning railroad cars, System for. H. R. Arf. 2,005,769; June 25.
Alcohol, Synthetic. B. T. Brooks and R. Schuler. 2,006,157; June 25.
Aliphatic-aromatic amine and making the same. K. W. Rosenmund and F. Kilz. 2,006,114; June 25.
Alternating-current regulator. F. H. Gulliksen. 2,005,892; June 25.
Amines and di-amines and products of said process, Making. J. F. Olin. 2,006,058; June 25.
Ammunition, Packing a round of. A. B. Schilling and C. Casey. 2,005,756; June 25.
Amphibian. W. K. Burgess. 2,005,728; June 25.
Amplifier. B. Kreuzer. 2,006,052; June 25.
Amplifier, Audion. P. O. Farnham. 2,006,099; June 25.
Anchor insert. A. M. Kinninger. 2,006,300; June 25.
Animal trap. A. Potigian. 2,006,111; June 25.
Annealing, Apparatus for. E. A. Rowe, S. H. Edwards and F. N. Fossati. 2,006,001; June 25.
Anti-skidding device. A. E. Bruffee. 2,006,210; June 25.
Articles, Transporting. F. Ditchfield. 2,005,823; June 25.
Assembling machine. H. E. Edwards. 2,006,071; June 25.
Automobile control device. H. E. Hull. 2,005,745; June 25.
Automobile lifting device. T. Imai. 2,006,242; June 25.
Back support. S. H. Gallop. 2,005,972; June 25.
Back-up and tail light, Combination. G. Speeg. 2,005,761; June 25.
Bag: *See*—
Hand bag.
Ball, India-rubber and like. E. J. Dobbins. 2,006,230; June 25.
Ball joint element. R. S. M. Mitchell. 2,005,948; June 25.
Band tightener, Encircling. A. J. Scholtes. 2,006,329; June 25.
Bands and the like to cigars, Apparatus for applying paper. J. Schmiedel. 2,006,116; June 25.
Bark from logs, Apparatus for removing. F. A. Nicholson and W. T. Pritchard. 2,005,799; June 25.
Battery plates and lead-bearing materials of similar composition, Treating scrap storage. J. O. Betterton and C. W. Hanson. 2,006,256; June 25.
Battery plates and the like, Smelting scrap. J. O. Betterton. 2,006,257; June 25.
Bell, Dredge and driving. A. C. Woodruff. 2,006,037; June 25.
Beverage and sirup, Stabilized citrus. R. H. Higby. 2,005,786; June 25.
Binder for record sheets or the like, Visible shift. E. F. Brown. 2,005,968; June 25.
Bit: *See*—
Bridle bit.
Blanking press. W. Ferris. 2,006,072; June 25.
Block mold. C. F. Fleming and J. L. Havins. 2,006,132; June 25.
Board: *See*—
Ironing board.
Bobbins, particularly film bobbins, Manufacturing. P. Schwarz. 2,006,281; June 25.
Boiler coupling device. J. F. Arthur. 2,006,139; June 25.
Bolt, Stay. V. Nodibre. 2,006,276; June 25.
Book, Manifolding record. G. Stevens. 2,006,034; June 25.
Bookrest for bathtubs and the like. W. E. Harris-Jones. 2,006,160; June 25.
Bottle and manufacturing same. L. B. Koch. 2,006,143; June 25.
Bottle cap remover. L. M. Harvey. 2,005,784; June 25.
Bottle closure. J. H. Ramsey. 2,005,753; June 25.
Bottle molding means, Glass. F. L. Darling. 2,006,041; June 25.
Bowl, Sugar. L. J. Militello. 2,005,919; June 25.
Box: *See*—
Match box.
Box. T. H. Gagen. 2,005,991; June 25.
Box stacker. H. C. Pierce. 2,005,906; June 25.
Blanc fixe. H. S. McQuaid. 2,006,219; June 25.
Brake: *See*—
Air brake. Sled brake.
Brake beam fulcrum. W. H. Baselt. 2,005,927; June 25.
Brake for vehicles, Booster. H. Junkers. 2,006,102; June 25.
Brake gauging device. A. L. and R. H. Miller. 2,005,870; June 25.
Braking apparatus. B. Dick and S. Schnell. 2,005,855; June 25.
Braking apparatus. S. Schnell. 2,005,874; June 25.
Bridle bit. L. L. Rupert. 2,006,032; June 25.
Broom attachment. H. A. Gardner. 2,005,739; June 25.
Brush, Construction of. E. L. H. Cosby. 2,006,234; June 25.
Building construction. J. Di Stasio. 2,006,070; June 25.
Building construction. R. L. Hohl. 2,005,994; June 25.
Building construction. E. A. Reither. 2,005,921; June 25
Burner: *See*—
Oil burner.
Burner for various gases. O. M. Olsen. 2,005,801; June 25.
Cabinet, Towel. A. I. Hondeville. 2,005,744; June 25.
Cabinet, Vertical card index. B. Aagaard. 2,006,288; June 25.
Cable clamp. J. W. Fowler and C. N. Baillio. 2,006,044; June 25.
Cable connecter, Explosionproof. N. A. Tornblom. 2,006,090; June 25.
Camera. L. R. Bell. 2,005,818; June 25.
Camera, Folding. C. Bornmann, L. W. Lessler, and E. H. Heyer. 2,005,820; June 25.
Camera for taking instantaneous color photographs. J. Zimmer. 2,006,007; June 25.
Can and rip strip therefor, Sheet metal. A. G. Hopkins. 2,006,045; June 25.
Can opener, funnel, and flexible pipe attachment, Combination. C. F. Bertschinger. 2,006,194; June 25.
Cap, Blasting. F. Rosenthal. 2,005,957; June 25.
Car, House. J. P. McWilliams and F. Ditchfield. 2,006,220; June 25.
Carbides and an apparatus therefor, Making abrasive metal. R. R. Ridgway. 2,005,956; June 25.
Card and securing articles thereto, Display. R. W. Albright. 2,005,879; June 25.
Card assembly, Greeting. W. Q. Larson. 2,005,999; June 25.
Carrier dispatch system. H. F. Wilder and H. H. Haglund. 2,006,305; June 25.
Carton and liner for the same. H. Leslie. 2,006,203; June 25.
Carton, Dispensing. D. M. Wilson. 2,005,924; June 25.
Carton, Knockdown tilt display. A. J. Weiss. 2,005,816; June 25.
Carton, Pouring. J. Shaw. 2,005,831; June 25.
Case: *See*—
Lip stick case. Vanity case.
Cases and stand for thermometers, Combined. A. B. Schupp. 2,005,909; June 25.
Casein product and process of making. H. V. Dunham. 2,005,730; June 25.
Casement, Window. F. C. Wenzel. 2,006,004; June 25.
Catalytic converter. E. Pyzel. 2,006,078; June 25.
Cathode ray apparatus. A. W. Vance. 2,006,063; June 25.
Cellulose, Preparing and maturing alkali. F. Steimmig. 2,005,811; June 25.
Chair: *See*—
Folding rocking chair.
Change speed mechanism. P. Riley. 2,006,250; June 25.
Checking fixture. J. C. Drader. 2,006,161; June 25.
Cheese, Apparatus for heat-treating. N. Kraft. 2,005,996; June 25.
Circuit, Balanced pressure hydraulic. H. Ernst and B. Sassen. 2,005,732; June 25.
Circuit breaker. W. E. Schwarzmann. 2,005,806; June 25.
Circuit breaker system, Automatic reclosing. A. E. Anderson. 2,006,254; June 25.
Circuit closer. A. E. Osborn. 2,006,175; June 25.
Clamp: *See*—
Cable clamp. Transmission line clamp.
Hose clamp.
Clasp. H. W. Kulp and M. C. Dellinger. 2,005,841; June 25.
Clasp, Detachable. L. Rocke. 2,005,872; June 25.
Clasp or connecter for watch bracelets and the like. S. A. Johnson. 2,006,047; June 25.
Clasping device for watch-bracelets and the like, Extendible. C. H. Kestenman. 2,006,050; June 25.
Clay bodies, Method of and apparatus for molding. D. Brown. 2,005,886; June 25.

Clipper. G. Haumann. 2,005,824; June 25.
Closure for containers. F. I. Remy. 2,005,871; June 25.
Closure mechanism for the discharge openings of concrete mixer drums. C. F. Ball. 2,006,206; June 25.
Coal, Method of and apparatus for sampling anthracite. A. N. Brooks. 2,006,006; June 25.
Collar. E. Lind and D. Feigenbaum. 2,005,943; June 25.
Collar support. A. P. Herrlinger. 2,006,201; June 25.
Compensating bleeder valve. H. Ernst and B. Sassen. 2,006,312; June 25.
Compression control apparatus. C. C. Hinkley. 2,005,858; June 25.
Compressor, Refrigerant. L. C. Smith. 2,005,959; June 25.
Connecter: *See*—
Cable connecter.
Connection, Flexible. C. Saurer. 2,006,303; June 25.
Container: *See*—
Key container.
Container for toilet and the like preparations. E. M. Carter. 2,005,933; June 25.
Containers, Making. H. M. Ware. 2,006,036; June 25.
Control for pipe organs, Registration. D. S. Barrows. 2,006,291; June 25.
Control means, Airfoil. G. E. Barnhart. 2,005,965; June 25.
Control means for well drilling equipments. M. Stone and R. Baudry. 2,005,877; June 25.
Control mechanism, Speed. G. Grimsley. 2,006,136; June 25.
Control system. J. W. McNairy and H. S. Ogden. 2,006,173; June 25.
Control system for theater lighting circuits. A. LeR. Upton. 2,006,223; June 25.
Control system and to the control of fluid operated mechanism. M. Maag. 2,005,867; June 25.
Controlling mechanism for vehicle dump doors. J. D. Benbow and D. A. Palmer. 2,005,727; June 25.
Conveyer. C. T. Walter. 2,006,091; June 25.
Cooling system. V. C. Huntington. 2,005,860; June 25.
Core barrel. C. E. Burt. 2,005,989; June 25.
Core drill. B. F. Blanchard. 2,005,819; June 25.
Core ejector. L. A. Larson. 2,005,978; June 25.
Cover for chickens. C. S. Smith. 2,006,118; June 25.
Cracking. H. Sydnor. 2,006,188; June 25.
Crossing signal. T. G. Strynatka. 2,006,120; June 25.
Crusher. E. C. Shiley. 2,005,758; June 25.
Cup and hanger therefor, Turpentine. C. W. Dixon. 2,006,083; June 25.
Cup and securing means, Turpentine. C. A. Tompkins 2,006,089; June 25.
Current collecting equipment. W. Schaake. 2,005,908; June 25.
Current regulating system. F. H. Gulliksen. 2,005,893; June 25.
Cushion for furniture, Spring. F. X. and A. W. Nemmer. 2,006,218; June 25.
Cutting table. R. B. Knight and L. Kahn. 2,006,074; June 25.
Cylinder machine. J. Edge. 2,005,839; June 25.
Cylinders, Machining. K. W. Connor. 2,006,158–9; June 25.
Dampener for weighing apparatus. C. Best. 2,006,255; June 25.
Deflector, Gas saving. B. S. Smith. 2,005,982; June 25.
Demand meter. J. H. Stark and H. M. Witherow. 2,006,321; June 25.
Dental handpiece, Angle. P. R. Skinner. 2,005,849; June 25.
Detachable gate. F. W. Dennison. 2,005,937; June 25.
Dewaxing with nonmiscible refrigerant. B. K. Brown. 2,005,988; June 25.
Di-alkyl or alkyl-aralkyl derivatives of resorcinol and making same, Unsymmetrical. W. E. Austin. 2,006,039; June 25.
Directional apparatus. W. Moser. 2,005,798; June 25.
Dispenser: *See*—
Measuring dispenser.
Dispensing apparatus. I. Jeppsson. 2,006,214; June 25.
Dispensing machine. A. Lovingood. 2,005,918; June 25.
Dispensing system, Self-carbonating. C. A. Geddes. 2,006,313; June 25.
Dispensing unit. A. R. Weisflog. 2,005,762; June 25.
Display sign. J. Scott. 2,005,757; June 25.
Distillates from unrefined hydrocarbon oils and products obtained thereby, Obtaining valuable refined. E. B. Peck. 2,006,177; June 25.
Door, Firebox. T. E. Layden. 2,005,864; June 25.
Doorlatch operator, Automobile. W. B. Craft. 2,006,129; June 25.
Doorlock. B. J. Coomes. 2,006,263; June 25.
Door operating mechanism. J. E. Bancroft. 2,006,082; June 25.
Door, Sliding. H. F. Collins. 2,006,228; June 25.
Draft regulator. C. H. Morrow. 2,005,981; June 25.
Draft rigging. D. S. Barrows. 2,006,290; June 25.
Draft rigging. D. S. Barrows. 2,006,292; June 25.
Drag conveyer channel. B. Beardsley and A. Plausics. 2,006,294; June 25.
Drill: *See*—
Core drill. Rotary drill.
Drilling system for rotary drilling equipment, Automatic. H. G. Dillon, W. C. Dreyer, and H. C. Jenks. 2,005,889; June 25.
Dry materials, Apparatus for the separation of. J. N. Steinmetzer. 2,006,119; June 25.
Duplicating machine. F. Chesley. 2,006,067; June 25.
Dust collector for abrading tools. F. C. Montuori. 2,006,108; June 25.
Dyestuff containing a benzanthrone nucleus, Water insoluble azo. G. Schrader. 2,005,848; June 25.
Dyestuff of the quinophthalene series of good fastness to light. G. Kränzlein, H. Schlichenmaier, and L. Schörnig. 2,006,022; June 25.
Dyestuffs of the dibenzanthrone series and preparing the same. O. Stallmann. 2,005,810; June 25.
Electric control system. E. N. Halliday. 2,006,213; June 25.
Electric machine. A. F. Klappauf. 2,006,172; June 25.
Electric switch. F. Menzel. 2,006,317; June 25.
Electrical conversion system. J. Slepian, L. R. Ludwig, and D. Silverman. 2,005,876; June 25.
Electrical measuring and regulating system. H. L. Bernarde. 2,005,884; June 25.
Electrode for a vapor electric device and constructing the same. D. D. Knowles. 2,005,897; June 25.
Electrode for vapor electric devices. W. T. Anderson, Jr., and L. F. Bird. 2,006,081; June 25.
Electrodes, Welding. D. L. Mathias. 2,005,902; June 25.
Electromotive forces comparing device. H. Antranikian. 2,005,962; June 25.
Elevator control and signaling system. F. E. Lewis. 2,005,899; June 25.
Elevator control system. K. M. White. 2,005,878; June 25.
Engine: *See*—
Hydraulic engine. Internal combustion engine.
Engine plant, Internal combustion. A. Büchi. 2,005,821; June 25.
Exhaust gas analyzer. J. D. Morgan. 2,006,205; June 25.
Extension table. C. J. Miller. 2,005,947; June 25.
Extractor: *See*—
Hop extractor.
Extrusion press. A. Weling. 2,006,080; June 25.
Fabric: *See*—
Selvaged unwoven zigzag fabric.
Fabrics, Manufacture of. J. Morton. 2,005,951; June 25.
Fabrics, Method and composition for rejuvenating. G. M. Babcock. 2,006,192; June 25.
Fastener-applying implement. A. H. Maynard. 2,006,054; June 25.
Fastener for bags. L. T. Geiger. 2,006,268; June 25.
Fastening device. P. M. Hengstenberg. 2,005,895; June 25.
Fastening means for connecting collars to shirts, Detachable. M. Karellitz. 2,006,103; June 25.
Feed for sheet metal working machines. E. V. Crane. 2,006,040; June 25.
Feed knock-off mechanism for lathes. J. E. Lovely. 2,006,144; June 25.
Feed mechanism for rolling machines. H. J. Davis. 2,005,853; June 25.
Felt for paper making machines, Drier. T. Milnes. 2,005,979; June 25.
Fertilizers, Production of mixed. C. Krauch, C. Eyer, G. Baetz, and F. Korn. 2,005,997; June 25.
Filaments, threads, yarns, and the like, Treatment of. H. M. Hibbert and R. P. Roberts. 2,005,785; June 25.
Film feeding mechanism for cinematograph apparatus. E. Elsemann. 2,006,297; June 25.
Film handling and sound reproducing apparatus. W. D. Foster and E. L. Parmelee. 2,005,737; June 25.
Film, Sound. R. Schmidt. 2,005,847; June 25.
Filter press. H. T. Durant. 2,006,131; June 25.
Fireplace back and water heater structure, Combined. C. W. Perry. 2,006,279; June 25.
Fitting for oil stills, Return bend. C. E. Ard. 2,005,768; June 25.
Flexible-rod, sewer cleaning apparatus. H. R. Crane. 2,005,936; June 25.
Flow control. J. A. Spencer. 2,006,152; June 25.
Flower holder, Adjustable. R. G. Beagle. 2,005,966; June 25.
Folding rocking chair. O. J. Olsen. 2,006,277; June 25.
Food product, Potato. G. P. Miller. 2,006,146; June 25.
Foot valve. C. A. Petersen and A. L. Christy. 2,005,954; June 25.
4-amino-1,8-naphthalene-dicarboxylic acid imides and 4-alkylamino-1,8-naphthalene-dicarboxylic acid alky'amides and preparing them. W. Eckert and W. Gmelin. 2,006,017; June 25.
Fractionating process and apparatus. S. C. Carney. 2,005,932; June 25.
Frame: *See*—
Spinning and twister frame.
Friction device for filling carriers. S. O. Dodge. 2,005,856; June 25.
Fuel supply for burners, Automatic. T. J. Garrett. 2,006,154; June 25.
Furnaces by means of cooling chambers, Cooling. G. Dörrenhaus and S. Walter. 2,006,266; June 25.
Game. H. L. Quine. 2,006,176; June 25.
Game, Target. D. W. Price and M. Kellermann. 2,006,180; June 25.
Garment finishing apparatus. J. W. Steele. 2,005,960; June 25.

Garment or ironing press. E. Davis. 2,006,068; June 25.
Gas, Apparatus for the scrubbing of. W. L. Chewning. 2,006,295; June 25.
Gas into storage bins carrying more or less fine materials, Device for blowing fire-extinguishing. M. Betzler. 2,006,258; June 25.
Gaseous discharge converter. U. Lamm. 2,006,053; June 25.
Gate: *See*—
Detachable gate.
Gate hinge. C. Foltz. 2,006,267; June 25.
Gauge: *See*—
Square shear gauge.
Gauge stop mechanism, Back. F. W. Seybold. 2,005,830; June 25.
Gear: *See*—
Retractable landing gear.
Gearing device for bicycles and the like. O. A. Hjelm. 2,006,165; June 25.
Generator: *See*—
Sound generator.
Glass forming apparatus, Sheet. F. R. Hohmann. 2,006,107; June 25.
Glass, Laminated safety. J. D. Ryan. 2,006,182; June 25.
Glue and making the same, Vegetable. E. H. Harvey. 2,006,164; June 25.
Golf club. C. H. Grelle. 2,005,915; June 25.
Golf practice device. A. D. Grisso. 2,006,137; June 25.
Grain for extermination of insect life therein, Method of and apparatus for treating. J. H. Davis. 2,006,265; June 25.
Grinder, Valve seat. F. O. Albertson. 2,005,851; June 25.
Grinding. J. Desenberg. 2,005,718; June 25.
Grinding composition. H. C. Fuchs. 2,006,162; June 25.
Grinding machinery, Meat. O. C. Schmidt. 2,006,318; June 25.
Grinding wheel. A. O. Bush and R. H. Martin. 2,006,308; June 25.
Gun sight. K. J. Lowe. 2,005,866; June 25.
Gun sights, Mechanism for angular adjustment of. G. Charvet. 2,006,262; June 25.
Gyroscopic turn indicator. G. H. Reid. 2,006,112; June 25.
Hair straightening device. A. L. Thomas and L. D. Ellis. 2,006,284; June 25.
Hammer, Portable power. J. H. Blake. 2,006,065; June 25.
Hand bag. G. Kruse. 2,005,791; June 25.
Handle for cans. L. L. Bassett. 2,006,293; June 25.
Hanger. C. E. Sharpe. 2,006,033; June 25.
Hat brim protector. J. H. Marshall. 2,006,245; June 25.
Hat ironing machine. K. Couyoumjian. 2,006,264; June 25.
Hat working machine. M. Cassé. 2,006,260; June 25.
Headlight. T. S. Barber. 2,006,125; June 25.
Headlight. H. Nielsen. 2,006,248; June 25.
Heat exchange apparatus. C. Field. 2,005,733–4; June 25.
Heat exchange, Apparatus for. W. C. Harpster. 2,006,200; June 25.
Heat interchange apparatus. R. E. Kaestner. 2,006,299; June 25.
Heat transmission. H. W. Huyser. 2,006,202; June 25.
Heater: *See*—
Induction sheet heater. Windshield heater.
Heater. D. W. Rudorff. 2,006,059; June 25.
Heater control, Water. A. D. Stewart. 2,006,035; June 25.
Heating and ventilating apparatus. C. T. Morse. 2,006,109; June 25.
Heating system. E. J. Bell. 2,006,193; June 25.
Hedge trimming device. R. C. Johnsen. 2,005,862; June 25.
Heel attaching plate. F. B. Dopp. 2,005,775; June 25.
Heterodyne receiver. H. Chireix. 2,005,772; June 25.
Hinge: *See*—
Gate hinge.
Hinge. S. J. Palinkos. 2,006,110; June 25.
Holder: *See*—
Flower holder. Mop head holder.
Holder for dental X-ray films. D. D. and R. S. Heron. 2,005,993; June 25.
Hood construction. W. J. Hall. 2,006,163; June 25.
Hook fastening for fish lures. P. S. Bear. 2,005,985; June 25.
Hop extractor. D. C. Bleser. 2,005,770; June 25.
Horn and howler for marine and naval use. T. Jessen. 2,006,021; June 25.
Hose clamp. A. J. Scholtes. 2,006,327; June 25.
Hydraulic engine. E. M. Eynard. 2,006,237; June 25.
Hydraulic machine tool. E. P. Burrell. 2,005,822; June 25.
Hydrocarbons, Manufacture of. V. Ipatieff. 2,005,861; June 25.
Hydroquinone manufacture. J. Schanmacher. 2,006,324; June 25.
Hydroxy sulphonated fatty acid esters and their production. C. C. Clark. 2,006,309; June 25.
Ice. C. Field. 2,005,735–6; June 25.
Ignition and steering lock. I. Knapper. 2,006,104; June 25.
Ignition coil construction. A. J. Gogel. 2,006,239; June 25.
Ignition system. H. C. Heaton. 2,005,992; June 25.
Ignition system. D. Silverman. 2,005,875; June 25.
Illumination. W. Honing. 2,006,140; June 25.
Impedance set. L. Behr. 2,005,986; June 25.
Index and signal. C. C. Kitchen. 2,005,977; June 25.
Index tab. H. C. Osborn. 2,005,749; June 25.
Indicator: *See*—
Gyroscopic turn indicator. Voltage surge indicator.
Induction sheet heater. T. H. Long. 2,005,901; June 25.
Ingredients, Apparatus for proportioning. C. J. Moroney and W. O. Witherspoon. 2,005,950; June 25.
Inhibitor. A. Macarthur and A. J. Hailwood. 2,006,216; June 25.
Ink and making same, Emulsion printing. E. H. McLeod. 2,005,945; June 25.
Inking mechanism for printing machines. F. Lamatsch. 2,005,916; June 25.
Insecticide composition. W. Moore. 2,005,797; June 25.
Insecticide, Contact. E. W. Bousquet. 2,006,227; June 25.
Insulating material. R. Engelhardt. 2,005,840; June 25.
Intercommunication. C. H. Colvin. 2,005,935; June 25.
Internal combustion engine. C. R. Wigness. 2,006,225; June 25.
Internal combustion motor. F. K. Shear. 2,006,117; June 25.
Ironing board. J. E. Doyle. 2,006,014; June 25.
Ironing table. H. V. Keller. 2,005,976; June 25.
Joint: *See*—
Universal joint.
Ketones, Preparing halogenated. P. K. Frolich and P. J. Wiezevich. 2,006,198; June 25.
Kettle device, Cooking. P. Beghetti. 2,005,928; June 25.
Key container. A. Waller. 2,006,286; June 25.
Label dispensing and moistening machine. A. La Grange. 2,005,898; June 25.
Labeling machine. W. W. Oslund. 2,005,802; June 25.
Lamp and the like and its mounting and electrical connection, Electric. H. D. Blake. 2,006,155; June 25.
Lamp for motor vehicles, Projecting. O. Rall. 2,006,249; June 25.
Lap arrester for winding machines. J. O. McKean. 2,006,055; June 25.
Leakage compensator for hydraulic systems. H. Ernst and Sassen. 2,006,311; June 25.
Light: *See*—
Back-up and tail light.
Leather forming machine. J. T. Riddell. 2,005,804; June 25.
Lighter. R. H. and T. I. Segal. 2,006,061; June 25.
Lighting apparatus. E. Kalhaus, J. E. de Christmas Dirckinck de Tolmfeld and V. de Christmas Dirckinck de Holmfeld. 2,006,171; June 25.
Lighting unit for lanterns. I. E. Rollins. 2,006,251; June 25.
Line indicator or copyholder for typists. R. Joksch. 2,005,721; June 25.
Liner safety, Automatic. B. A. Mills. 2,005,796; June 25.
Lining, Vessel. G. V. Swearingen. 2,006,331; June 25.
Lip stick case. C. E. Marshall. 2,005,794; June 25.
Liquid-applying apparatus. T. J. Doyle. 2,005,729; June 25.
Liquid dispensing and level maintaining device. O. H. Jung and P. E. Heffelfinger. 2,006,142; June 25.
Liquid-separating device. J. F. Kopsa. 2,006,244; June 25.
Lock: *See*—
Ignition and steering Lock. Nut lock. Ring holder lock.
Lock and handle, Window. H. W. Nicles. 2,005,953; June 25.
Lock for motor vehicles, Fuel-valve. S. Moore. 2,006,027; June 25.
Lubricating device. M. Reswick. 2,006,181; June 25.
Lubricating mechanism. J. S. Baker. 2,005,724; June 25.
Lubrication. W. O. Wright. 2,005,766; June 25.
Machine for charging containers. P. E. Cate. 2,006,012; June 25.
Machine for cutting thin leaves. W. Markert. 2,006,107; June 25.
Machine for making boiler cleaning nozzles. J. Staempfli. 2,006,283; June 25.
Machine for operating upon articles assembled from adhesive materials. M. S. Cate. 2,005,888; June 25.
Machine for producing flexible shafting. L. H. Morin. 2,006,174; June 25.
Machines for packing flat packets and the like. M. Paridon. 2,006,147; June 25.
Machinery. P. N. Dubuc. 2,006,130; June 25.
Mail advertising device. W. W. Hoke. 2,005,859; June 25.
Manifold, Hot spot. J. Meinzinger. 2,005,869; June 25.
Marking machine. C. F. Robbins. 2,006,302; June 25.
Match box. H. F. Wilhelm. 2,006,190; June 25.
Material, Apparatus for feeding. W. D. Foster. 2,005,738; June 25.
Material for providing metal with a paint receptive surface. J. H. Gravell. 2,005,780; June 25.
Mattress-tufting device. W. B. Mathewson. 2,006,076; June 25.
Measurement by volume of delivered quantities of liquids, Apparatus for the. G. J. Gibbs. 2,006,135; June 25.
Mensuring dispenser. W. S. Holesworth. 2,006,019; June 25.

Mechanism for making and applying transparent window patches to envelopes. H. Kassekert and F. J. Kaeser. 2,006,218; June 25.
Medicinal preparation. F. Lange and L. Taub. 2,006,023; June 25.
Meta-cresol-methyl-ether, Manufacture of. W. V. Wirth. 2,006,515; June 25.
Metal, Apparatus for working sheet. E. J. Miller. 2,006,047; June 25.
Metal articles, Annealing. J. E. Hutchman. 2,006,168; June 25.
Meter: *See*—
Demand meter.
Meter construction. H. J. Pardee. 2,005,845; June 25.
Micrometer, Grid glow. R. W. Carson. 2,005,887; June 25.
Microniser head. W. S. Bowen. 2,005,987; June 25.
Milking machine attachment. R. W. Hurlburt. 2,006,272; June 25.
Mill: *See*—
Roughage mill.
Milling machine. F. W. Whitehead. 2,006,128; June 25.
Mirror. J. F. Walsh. 2,005,814; June 25.
Mixing apparatus. T. O'Boyle. 2,005,800; June 25.
Mold: *See*—
Block mold.
Mold jacket. J. F. Hines. 2,006,240; June 25.
Mop head holder. R. A. Myers. 2,005,904; June 25.
Motor: *See*—
Internal combustion motor.
Motor and motive system. R. A. Coffman. 2,005,913; June 25.
Motor control system. J. Dunlop. 2,005,890; June 25.
Motor control system. F. W. McCloskey. 2,005,903; June 25.
Mounting, Bezel. O. J. Leins. 2,005,792; June 25.
Mounting, Elastic cushion. A. G. Carter. 2,005,934; June 25.
Mounting, Flywheel. G. O. Johnson. 2,005,941; June 25.
Mounting for machines, Knife. W. Markert. 2,006,106; June 25.
Mounting for wind deflectors or the like. L. M. Harvey. 2,005,783; June 25.
Mounting, Rimless endpiece. E. Pappert. 2,006,278; June 25.
Mower sharpening device, Lawn. M. Michalski. 2,006,025; June 25.
Muffles for use in connection with the casting of precious metals. K. Plaschka. 2,006,148; June 25.
Multiplier for ultra high frequencies, Frequency. C. W. Hansell. 2,005,782; June 25.
Navigation instrument. V. B. Buck. 2,006,127; June 25.
Needle threading device. S. Sidler. 2,006,185; June 25.
Nut lock device. F. J. Young. 2,006,064; June 25.
Oil, Apparatus for distillation of. A. Knudsen. 2,006,273; June 25.
Oil burner. R. P. Babcock. 2,005,964; June 25.
Oil burner. R. M. Vidalie. 2,005,832; June 25.
Oil from fuller's earth or similar material, Separating. E. R. Mitchell. 2,006,088; June 25.
Oil, Producing lubricating. U. B. Bray. 2,006,098; June 25.
Oil, Production of lubricating. U. B. Bray and C. E. Swift. 2,006,092; June 25.
Oil, Production of lubricating. U. B. Bray and C. E. Swift. 2,006,095–6; June 25.
Oil, Treating. U. B. Bray and C. E. Swift. 2,006,094; June 25.
Oil, Treating. U. B. Bray and C. E. Swift. 2,006,097; June 25.
Oil wells, Method and apparatus for operating. J. A. Zublin. 2,005,767; June 25.
Oils, Dewaxing mineral. C. E. Adams and V. Voorhees. 2,005,984; June 25.
Oils, Producing lubricating. U. B. Bray and C. E. Swift. 2,006,093; June 25.
Optical system for photographic sound apparatus. J. J. Morey. 2,006,217; June 25.
Ore reducing machine. A. D. Hadsel. 2,006,269; June 25.
Ores by flotation, Concentration of. C. H. Keller. 2,006,049; June 25.
Organic mercapto compounds, Complex compound of. W. Schoeller, H. G. Allardt, and A. Feldt. 2,006,003; June 25.
Oscillat'on generation. N. E. Lindenblad. 2,005,793; June 25.
Oscillations, Production of circular or elliptical. G. Linke. 2,005,917; June 25.
Ovens and ovens therefor, operating of coke. J. Schaefer. 2,006,115; June 25.
Overflow device, Adjustable. R. D. Anderson. 2,006,191; June 25.
Oxidative fermentations by molds or fungi, Carrying out. O. E. May, H. T. Herrick, A. J. Moyer, and P. A. Wells. 2,006,006; June 25.
Package. K. D. Berdan. 2,005,967; June 25.
Package. P. Grabler. 2,006,212; June 25.
Package and making the same, Siftproof. T. Schilder and G. Erlemann. 2,006,060; June 25.
Packing and protecting objects, Device for and method of. G. B. Weber and A. D. Sanders, Jr. 2,006,224; June 25.
Paints, lacquers, and other liquids, Device for spraying. A. H. Downs. 2,005,776; June 25.
Panel board and wiring the same. G. M. Reed and B. Paxton. 2,006,150; June 25.
Paper, Coating. C. N. Cone and E. D. Brown. 2,006,229; June 25.
Paper, Delinking imprinted. P. R. Hines. 2,005,742; June 25.
Paper, Dull finish coated. D. B. Bradner. 2,006,208–9; June 25.
Paper making apparatus and process. E. E. Berry. 2,005,929; June 25.
Paper, Making pigmented. A. C. Elde and J. H. Calbeck. 2,006,016; June 25.
Parachute pack. E. L. Hoffman. 2,005,743; June 25.
Partition for refrigerators, Shutter type. N. C. Huckestein. 2,006,046; June 25.
Pen-point, Preparing. C. Pfanstiehl. 2,005,752; June 25.
Phonograph. L. L. Jones and T. E. Plazze. 2,006,048; June 25.
Phonograph, Selective automatic. R. I. Wilcox. 2,005,923; June 25.
Phosphorus pentoxide, Stabilized form of. B. Mallshey. 2,005,944; June 25.
Photographic emulsions, Manufacture of. H. Arens. 2,005,837; June 25.
Photography and objective system therefor, Stereoscopic. E. E. Draper. 2,005,777; June 25.
Photography, Color. L. M. Dieterich. 2,005,970; June 25.
Physical changes, Apparatus for indicating or controlling. L. de Flores. 2,005,773; June 25.
Picture and producing it, Embossed. S. Hayden. 2,005,719; June 25.
Picture and sound recording and reproduction in motion pictures, Combined. H. Chretien. 2,006,233; June 25.
Pigments, Manufacture of. G. F. A. Stutz. 2,006,187; June 25.
Pipe: *See*—
Smoking pipe.
Pipe and protecting same. R. G. Yaxley. 2,006,226; June 25.
Pipe fitting. E. S. Cornell, Jr. 2,005,969; June 25.
Piston. A. L. Nelson. 2,006,008–9; June 25.
Platinum catalysts, Regeneration of. E. S. Ridler. 2,006,221; June 25.
Platinum contact masses, Treatment of. E. S. Ridler. 2,006,222; June 25.
Plug: *See*—
Switch plug. Well plug.
Plug connection, Spark. H. A. Douglas. 2,005,857; June 25.
Polishing medium to polishing machines, Supplying a. J. P. Crowley. 2,006,196; June 25.
Post: *See*—
Scratching post.
Postal machine, Manual feeding and tripping mechanism for a power driven. J. Q. Finfrock. 2,005,778; June 25.
Power transmission device. A. T. Harris. 2,005,740; June 25.
Power transmission system. M. R. Hutchison, Jr. 2,005,974; June 25.
Press: *See*—
Blanking press. Filter press.
Extrusion press. Garment or ironing press.
Press. J. C. Ledbetter. 2,005,865; June 25.
Pressure reducing valve. T. L. Thorsen. 2,005,818; June 25.
Pressure to shoe bottoms, Mechanism for use in applying. F. J. Retter. 2,005,755; June 25.
Priming solution for wall paper and like pastes. G. Little. 2,005,900; June 25.
Profiling attachment for planers. H. A. Thum. 2,006,121; June 25.
Projector, Automatic. C. E. Slaughter. 2,005,759; June 25.
Propane dewaxing, Continuous. H. V. Atwell. 2,006,011; June 25.
Protective scheme for transmission lines. H. Neugebauer. 2,005,905; June 25.
Protector: *See*—
Hat brim protector.
Pull and drag-saw machine. T. Telesky. 2,005,961; June 25.
Pulley. E. E. Maurey. 2,006,145; June 25.
Pump: *See*—
Bodless pump.
Pump, compressor, engine, and the like, Rotary. M. R. Hutchison, Jr. 2,006,298; June 25.
Pump for hydraulic drives. T. J. Schlueter. 2,006,280; June 25.
Pyrotechnic display. R. C. Hiltt. 2,006,271; June 25.
Rack: *See*—
Refrigerator rack.
Rack. H. D. Graves. 2,005,938; June 25.
Radiator enclosure, Convection type. H. Smith. 2,005,808; June 25.
Radioreceiver, One tube. W. R. Koch. 2,005,789; June 25.
Radio system, Centralized. B. E. Morits, Jr. 2,006,077; June 25.
Rake, Loader and sifter, Bull. C. Christiansen. 2,005,911; June 25.
Ratchet device for preventing the rearward motion of power driven vehicles. A. Catella. 2,006,261; June 25.
Razor, Safety. N. Testi. 2,006,062; June 25.
Record, Manifolding. A. M. Bovier. 2,005,930; June 25.
Records, Apparatus for making and reproducing sound and picture. B. Freund. 2,005,914; June 25.

Rectifying process. D. E. Stines. 2,006,186; June 25.
Refinery fitting. C. B. Harbison. 2,006,084; June 25.
Refrigeration. H. M. Williams. 2,005,834; June 25.
Refrigerator rack. C. L. Hibbard, Jr. 2,005,939; June 25.
Regulating system. J. H. Ashbaugh. 2,005,883; June 25.
Regulator: *See*—
Alternating-current regulator. Draft regulator.
Reservoir for oil filled cables, Feeding. L. Emanuell. 2,006,236; June 25.
Resin and its manufacture, Oil-soluble synthetic. M. R. Bhagwat. 2,006,207; June 25.
Resin, Oil soluble. V. H. Turkington. 2,006,189; June 25.
Resins by hydrogenation, Manufacture of. S. C. Fulton 2,006,101; June 25.
Resins, Synthetic. H. B. Dykstra. 2,006,043; June 25.
Resistance element and making same. E. R. Stoekle. 2,005,922; June 25.
Retractable lauding gear. R. J. Minshall. 2,005,980; June 25.
Reversing mechanism for dry gas meters. W. Holm. 2,006,101; June 25.
Rifle, Pneumatic. N. H. Price. 2,006,030; June 25.
Ring holder lock. W. L. McNamara. 2,006,056; June 25.
Roads, Apparatus for building. O. G. Mandt. 2,006,316; June 25.
Rodless pump. G. S. Knox. 2,005,995; June 25.
Roll. W. E Brindley. 2,005,885; June 25.
Roll labeling machine. P. D. Parsons. 2,005,846; June 25.
Roofing and siding element. N. P. Harshberger. 2,006,270; June 25.
Rotary drill. C. E. Casperson. 2,005,128; June 25.
Roughage mill. J. Holland-Letz. 2,005,940; June 25.
Rubber compounding. A. B. Cowdery. 2,006,310; June 25.
Rubber products and producing them, Colored. E. Fischer. 2,006,211; June 25.
Rubber, Treatment of. W. Schrauth. 2,006,184; June 25.
Rubber vulcanization. A. J. Northam. 2,006,057; June 25.
Runner, Scooter and sleigh. A. J. Scholtes. 2,006,325; June 25.
Safety valve. W. C. Buttner. 2,005,931; June 25.
Saw filing device, Automatic. E. Lander. 2,005,998; June 25.
Scratching post. D. D. Yoder. 2,005,817; June 25.
Seal. E. Dietze. 2,006,042; June 25.
Seal. F. Keidel. 2,006,051; June 25.
Seal, Fluid. F. L. Schleicher. 2,005,833; June 25.
Sealing device for collapsible tubes and the like. S. de Faveri and R. Cimatti. 2,006,235; June 25.
Sealing electric lamps and similar articles, Method of and apparatus for. F. J. Malloy and R. B. Thomas. 2,006,231; June 25.
Seat contro lmechanism. A. T. Potter. 2,006,149; June 25.
Selvaged unwoven zigzag fabric. R. J. Southwell and T. H. Wickwire, Jr. 2,005,760; June 25.
Servo-mechanism. H. C. Edwards. 2,005,971; June 25.
Sewing machines, Piping attachment for. A. Jekulaitis. 2,006,243; June 25.
Sharpener, Hollow drill. H. I. Lewis and F. W. Seybold. 2,005,827; June 25.
Shears, Pruning. O. Fowler. 2,006,133; June 25.
Ship propulsion automatic stability control. R. E. Hellmund and A. D. Forbes. 2,005,894; June 25.
Skirt, Cocktail. I. Florman and R. Rolwing. 2,006,238; June 25.
Shock absorber for motor vehicles. L. A. Bartlett. 2,005,838; June 25.
Shock absorber, Hydraulic. R. F. Peo. 2,005,750; June 25.
Shoe bottoms, Apparatus for use in applying pressure to. R. N. Sandberg. 2,005,754; June 25.
Shoe support. F. E. Hooper. 2,005,720; June 25.
Sight for firearms, Adjustable. H. F. Mossberg. 2,005,952; June 25.
Sign: *See*—
Display sign.
Signal: *See*—
Crossing signal. Turn signal.
Signal light support. H. Koch. 2,005,863; June 25.
Signaling system. M. L. Almquist and A. C. Thompson. 2,005,836; June 25.
Signaling system, High frequency multiplex. G. A. Mathieu and O. S. Puckle. 2,005,795; June 25.
Silver halide emulsion layers, Manufacture of photographic. W. Schneider. 2,006,002; June 25.
Sled brake. F. and A. Toriello and A. G. Schrossler. 2,005,920; June 25.
Sled, Coasting. A. J. Scholtes. 2,006,330; June 25.
Sled, Flexible coasting. A. J. Scholtes. 2,006,326; June 25.
Slimy materials, Method and apparatus for treating. J. G. Thomas. 2,005,812; June 25.
Smoker's item. G. Droop. 2,006,015; June 25.
Smoking pipe. S. S. Schaffer. 2,005,873.
Smoking pipe attachment. A. Christensen. 2,006,296; June 25.
Socket, Electric pull chain. H. J. Cook. 2,006,195; June 25.
Sodium carbonate monohydrate, Manufacture of. R. B. MacMullin. 2,005,868.
Soles, Tempering leather. W. C. Wright. 2,005,765; June 25.
Solvent, Lacquer. H. E. Hofmann and J. G. Park. 2,006,166; June 25.
Sorting apparatus for substances of different densities. F. J. B. Berry. 2,006,126; June 25.
Sound generator, Magneto-strictive. H. C. Hayes. 2,005,741; June 25.
Speed of internal combustion engines, Device for controlling the. C. W. Bull. 2,005,771; June 25.
Spinning and twister frame. F. E. Banfield, Jr., G. B. Nutting, and W. O. Wright. 2,005,725; June 25.
Sprinkler. A. Netsband and B. Kowalski. 2,006,028; June 25.
Square shear gauge. H. C. Schlack. 2,005,829; June 25.
Stamping machine. S. Lifsitz. 2,006,204; June 25.
Stand. H. W. Kulp and M. C. Dellinger. 2,005,826; June 25.
Star and time finder. B. F. Lofgren. 2,006,075; June 25.
Steam pop-off valve. F. L. Hussey. 2,006,141; June 25.
Steam trap. A. E. Armstrong. 2,005,926; June 25.
Steel, Alloy. J. Strauss. 2,006,304; June 25.
Steering and braking sled runners, Center bowing. A. J. Scholtes. 2,006,328; June 25.
Stencil, Ball. W. E. Humphrey. 2,005,787; June 25.
Stenciling method and apparatus. J. C. Smith and G. H. Campbell. 2,005,809; June 25.
Stock quotation posting and margin calculating machine. C. Smith. 2,005,807; June 25.
Straight-edge. M. K. Von Zimmermann. 2,006,285; June 25.
Substance derived from an amino aliphatic acid and phenylquinoline orthocarboxylic acid which is capable of lowering the uric acid level, Preparing a. H. G. Jacobson. 2,006,020; June 25.
Sucker machine. J. A. Davis and C. L. Moyer. 2,005,854; June 25.
Support: *See*—
Back support. Signal light support.
Collar support. Trolley wire support.
Shoe support.
Switch: *See*—
Electric switch.
Switch plug, Automatic thermostatic. A. C. Wilcox. 2,005,763; June 25.
Table: *See*—
Cutting table. Ironing table.
Extension table.
Tanks, Apparatus for examining the contents of. M. A. Meyer. 2,006,301; June 25.
Tape perforator. E. S. Larson. 2,005,748; June 25.
Tapes, Attachment for measuring. E. J. Witchger. 2,005,850; June 25.
Teeth cleansing appliance. H. Andvig. 2,006,289; June 25.
Telegraph transmitter, High frequency. E. Kramar and E. Lüttcher. 2,005,790; June 25.
Telephone calls, Apparatus for listening in on. H. W. Hellmann. 2,005,973; June 25.
Telephone message receiver and recorder, Automatic. M. Kelser. 2,005,788; June 25.
Telephone system. F. Newforth, Jr. 2,005,844; June 25.
Television apparatus. J. L. Baird. 2,006,124; June 25.
Temperature control system. E. F. Smith. 2,006,282; June 25.
Temperature regulation, Apparatus and method for. D. D. Wile. 2,006,306; June 25.
Template. C. B. Schafer. 2,006,183; June 25.
Tension device for textile machines. St. C. Lake. 2,005,942; June 25.
Thermionic tube. F. E. Terman. 2,006,079; June 25.
Thermostat. E. H. Piron. 2,006,178; June 25.
Thermostatic valve. H. B. Trix. 2,006,153; June 25.
Thread tensioning device. F. B. Javery and A. J. Javery. 2,005,975; June 25.
Tile. P. H. Screff. 2,005,958; June 25.
Timber or other materials, Drying of. C. Goodall. 2,006,018; June 25.
Tire, Automobile. E. Hopkinson. 2,006,315; June 25.
Tire building apparatus. R. W. Allen. 2,006,307; June 25.
Tire, Pneumatic. E. S. Ewart and A. W. Bull. 2,006,197; June 25.
Tire-spreader. W. M. Anderson. 2,005,880; June 25.
Tire, Vehicle. N. Yamaki. 2,006,038; June 25.
Tool: *See*—
Hydraulic machine tool.
Tool. D. A. Munn. 2,005,723; June 25.
Toy. J. Kushner. 2,006,274; June 25.
Toy aeroplane. E. Marcus. 2,005,842; June 25.
Toy fishing outfit. J. K. Reel. 2,005,803; June 25.
Toy, Self propelled. J. L. Bonanno. 2,006,156; June 25.
Tractor and trailer, Motor. O. D. North and P. G. Hugh. 2,006,000; June 25.
Trailer hitch. J. E. Hagstrom. 2,005,781; June 25.
Transmission. R. M. Nurdone. 2,005,843; June 25.
Transmission line clamp. E. E. Arnold and C. L. Fortescue. 2,005,881; June 25.
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Interference Notices

U. S. PATENT OFFICE, *Washington, May 9, 1935.*

James H. Dalbey, his assigns or legal representatives, take notice:

An interference has been declared by this Office between an application for patent filed by James H. Dalbey, c/ Hotel McAlpin, 10th and Chestnut Streets, Philadelphia, Pennsylvania, and an application for patent filed by Charles Henderson, 19 West Plumstead Avenue, Lansdowne, Pennsylvania. The attorney for Dalbey states that he is unable to locate said Dalbey. Notice is hereby given that unless said Dalbey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, May 22, 1935.*

Mervin A. Hunt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Joseph William Simoneau, Nashua, New Hampshire, for registration of a trade-mark, and trade-mark registered October 29, 1929, No. 263,099, to Allison Drug Stores, Incorporated, 109 West 64th Street, New York, N. Y. The records of this Office show that Mervin A. Hunt, New York, N. Y., is the assignee of said registrant. A notice of such proceeding sent by registered mail to said Mervin A. Hunt at the said address, having been returned by the Post Office as undeliverable, notice is hereby given that unless said Mervin A. Hunt, his assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, May 10, 1935.*

Geo. B. Clemmer, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the application of Ray Day Piston Corporation of Detroit, 6656 Walton Avenue, Detroit, Michigan, to effect the cancellation of trade-mark registration No. 181,877, issued March 25, 1924, to Geo. B. Clemmer, 114 Mount Royal Avenue, Baltimore, Maryland. James A. Hughes, 311 Second Highland Avenue, Baltimore, Maryland, having been joined with said Geo. B. Clemmer as respondent. The notice of such proceeding sent to said Geo. B. Clemmer by registered mail at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Geo. B. Clemmer, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, May 8, 1935.*

W. Margulis, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clover Leaf Products Co., 1848 East Vernon Avenue, Los Angeles, Calif., to effect the cancellation of trade-mark registration of W. Margulis, 671 Rio Street, Los Angeles, Calif., No. 317,803, dated October 2, 1934, and the notice of such proceeding sent by registered mail to the said W. Margulis at the said address having been returned by the post office undeliverable, notice is hereby given that unless said W. Margulis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

R. SPENCER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 18, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 33,997; Trade-Mark Division, 1,236. Oldest new case, January 19, 1935; oldest amended, January 18, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 11	Mar. 25	314
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Mar. 11	Mar. 11	432
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 20	Feb. 20	588
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 21	Feb. 25	412
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics: Sound Recording; Knotters; Buckles, Buttons, Etc	Mar. 1	Mar. 2	459
4898 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 4	Feb. 5	917
5725	7. JARBOE, C. G., Optics; Photography	Feb. 19	Feb. 19	781
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 18	Feb. 18	501
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 18	Mar. 23	316
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 11	Mar. 14	342
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 21	Jan. 19	593
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Feb. 9	Feb. 9	429
6098	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 20	Mar. 18	304
5097	14. BRUMBAUGH, N. J., Farrier; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 18	Feb. 19	454
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 7	Mar. 7	753
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 9	Feb. 9	569
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 25	Feb. 21	654
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 23	Feb. 21	362
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 25	Feb. 25	544
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 28	Mar. 12	259
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 19	Feb. 20	600
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Feb. 12	Feb. 11	626
7802	23. HUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 23	Jan. 19	519
5063	24. DURAS, C. O., Apparel: Apparel Apparatus; Garment Supporters, Sewing Machines	Feb. 20	Feb. 15	590
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 19	Feb. 21	610
5883	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 20	Mar. 23	293
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 18	Feb. 18	453
4628	28. BENSON, A. R., Internal-Combustion Engines	Feb. 21	Feb. 28	344
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 18	Feb. 18	516
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 19	Jan. 23	513
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating: Mineral Oils	Feb. 18	Feb. 18	832
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 10	Mar. 12	310
6006	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 9	Feb. 11	586
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 7	Feb. 6	608
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting: Signals; Dispensing: Filling and Closing Portable Receptacles.	Feb. 19	Feb. 19	660
5886 B	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Feb. 18	Feb. 18	410
7510	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 22	Jan. 23	561
	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Plastic Compositions.	Feb. 23	Feb. 19	394
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 22	Mar. 25	288
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 5	Feb. 5	842
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 26	Feb. 19	518
3882	42. CUTTING, H. O., Electric Signaling	Mar. 4	Mar. 6	442
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 11	Feb. 11	540
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 21	Jan. 18	775
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 11	Mar. 12	311
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Feb. 3	Feb. 17	555
7600	47. BARKER, H., Clutches; Brakes	Mar. 8	Mar. 4	537
5731	48. HOEPKE, O. B., Electricity, General Applications; Igniters	Feb. 16	Feb. 15	500
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 23	Mar. 1	467
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 8	Feb. 8	880
5628	51. BACKUS, C. D., Radiant Energy	Feb. 27	Feb. 27	624
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housing; Laminated Packing.	Feb. 16	Feb. 16	581
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 13	Mar. 13	377
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 27	Feb. 27	561
6897	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 16	Mar. 21	389
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Jan. 30	Jan. 28	707
3625	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 28	Mar. 20	229
5005	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 27	Mar. 27	281
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Feb. 23	Feb. 21	478
5806	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 26	Feb 23	365
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 1	Jan. 30	360
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 5	Mar. 5	521
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 23	Jan. 25	593
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 19	Feb. 19	804
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 13	Mar. 13	354
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND / Trade-Marks	Apr. 18	May 3	1,225
	Labels and Prints	May 9	May 15	61
2605	Designs, H. H. KALUPY (Act.)	Apr. 15	May 2	671

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

METROPOLITAN ENGINEERING COMPANY *v.* CONWAY P. COE, COMMISSIONER OF PATENTS

No. 6,278. Decided April 29, 1935

1. PATENTS—OPERATIVENESS—PRIMA FACIE PRESUMPTION. The fact that a machine is patented is some evidence of its operativeness as well as of its utility. We are of the view that the prima facie presumption of operativeness attaching to the Griffith patent has not been overcome by the evidence presented by the plaintiff.

2. PATENTABILITY—WATER TUBE BOILER. Claims for a water tube boiler *Held* unpatentable over the prior art.

Mr. Melville Church, *Mr. C. B. Des Jardins*, and *Mr. D. Anthony Usina*, for the Metropolitan Engineering Company.

Mr. T. A. Hostetler, Solicitor of the Patent Office, for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, HITZ, and GRONER, Associate Justices.

ROBB, *A. J.:*

Appeal from a decree in the Supreme Court of the District dismissing appellant's bill, filed under section 4915, revised statutes, as amended (35 U. S. C. A. sec. 63), seeking to authorize the issuance to appellant (assignee of applicant Murray) of a patent on a water tube boiler.

Claims 19 and 21 to 27, inclusive, were rejected by the Patent Office and by the court below. We reproduce claim 21 as representative:

"21. A steam generator including in combination approximately horizontal water tubes heated by convection and a furnace having a combustion chamber below said overhead tubes, a wall of said combustion chamber being composed of substantially upright tubes connected into the circulation of the generator, said tubes being spaced apart a distance not substantially greater than their diameter, and metal extensions from said tubes united thereto with good heat conducting joints and practically closing the spaces between them and providing an increased area exposed to the direct radiant heat of the burning fuel and conducting such heat to the tubes, each of said extensions being limited in width as to maximum to the diameter of the tubes, the tubes and extensions constituting a substantially closed wall exposed on the inner surface only to the combustion gases, the outer surface of such wall being covered with a sheathing of insulating material united to and supported by said walls."

It will be noted that these claims are not limited to any particular type of boiler—stationary, locomotive, marine, or others.

In his specification Murray, in explaining how the feed water is introduced into the boiler, stated:

"Introducing the feed water through the headers 32 and passing it through the walls of the furnace preheats the water and cools the walls. This enables me to build the walls of structural sections of thin cross-section, instead of making walls of masonry or brickwork as heretofore used for stationary boilers."

This statement falls short of limiting the scope of the application to stationary boilers, as suggested by appellant. Certainly the claims contain no such limitation.

"The scope of Letters Patent should be limited to the invention covered by the claim; and, though the claim may be illustrated, it cannot be enlarged by the language in other parts of the specification."

Railroad Co. v. *Mellon*, 104 U. S. 112, 20 O. G. 1891; *Western Electric Co.* v. *Ansonia Co.*, 114 U. S. 447, 452, 31 O. G. 1305; *Lucke* v. *Coe*, 63 App. D. C. 61, 69 F.(2d) 379, 439 O. G. 839.

In the present case the basic idea consists in providing a combustion chamber "composed of substantially upright tubes connected into the circulation of the generator." For the refractory brick walls of the combustion chambers of certain types of boilers Murray has substituted water tubes in circulation with the main boiler unit, the wall itself constituting the boundary of the combustion chamber.

"In other words (as stated by appellant's expert witness), the refractory wall was replaced by a wall of tubes with metallic fillers between the tubes to close the spaces between the tubes. An insulating material was added on the outside of the tubes to keep the heat of the combustion chamber and the heat of the tubes from being dissipated to the outside atmosphere."

The patent to Griffith, No. 743,271, discloses Murray's general combination; that is to say, it discloses a water tube boiler having inclined tubes positioned over a combustion chamber formed entirely of tubes and insulating material on the outside of the tubes. But in Griffith's construction the tubes constituting the side walls of the combustion chamber are not spaced apart, and the outer insulating material is not carried by the wall.

The patent to McClellon, No. 1,474,156, discloses the tubes of the side walls of the combustion chamber spaced apart with connecting fins and an outer covering of insulating material; it relates to a locomotive boiler.

Appellant contends that locomotive boilers and the boiler of the application relate to different arts. The same contention was made in the Patent Office, and was satisfactorily answered by the Board of Appeals as follows:

"We have given this matter careful consideration in view of the argument in the brief, but it is our opinion that the structure of the tubular side walls with their insulated coverings have substantially the same functions in the two types of boilers and therefore we regard McClellon as pertinent art."

The Board continued:

"We may take cognizance of the fact that it has been old for years to plaster asbestos and similar insulating material directly upon furnace walls and we are satisfied, therefore, that there would be no patentable distinction in supporting the insulation in this way on the wall of McClellon instead of holding it in position by an outer covering."

Evidently Murray when he wrote his specification did not regard the application of insulating material as constituting novelty, for he says:

"This insulating material can be plastered on after the metal work has been erected. This insulating material may be a magnesia mixture or plastic compounds of asbestos and like heat insulators. * * * The metal fillers or extensions of my improved boiler form a shield which protects *any* outside sheathing, the tubes with the metal fillers or extensions constituting in effect a wall of the combustion chamber *so that the plastic material* on the outside may be *a mere insulating sheathing* supported by the wall of tubes and fillers." [Italics ours.]

[1, 2] Appellant insists that the Griffith boiler is inoperative and, therefore, not a pertinent reference. This contention is based upon the opinion of appellant's expert witness; but the Primary Examiner is equally skilled in the art, and he passed upon the question originally. Moreover, the Board of Appeals must have considered the Griffith boiler operative, else it would have rejected it as a reference. As we have seen, their decision denying appellant's

claims was based largely upon the Griffith patent. The fact that a machine is patented is some evidence of its operativeness, as well as of its utility. *Dashiell v. Grosvenor*, 162 U. S. 425, 432, 75 O. G. 507.

"When the question is whether a thing can be done or not, it is always easy to find persons ready to show how not to do it."

Loom Co. v. *Higgins*, 105 U. S. 580, 586, 21 O. G. 2031. In *A. B. Dick Co.* v. *Barnett* (C. C. A. 2d) 288 F. 799, the court said:

"We are of opinion that it is advisable to remember first how very easy it is not to do a thing and how small is the step from not wanting to do a thing to declaring that it cannot be done."

See also *Hildreth* v. *Mastoras*, 257 U. S. 27, 34, 293 O. G. 215; *Scovill Mfg. Co.* v. *Satler*, 21 F.(2d) 630; *Remington Cash Register Co.* v. *National Cash Register Co.*, 6 F.(2d) 585, 618, 619. We are clearly of the view that the prima facie presumption of operativeness attaching to the Griffith patent has not been overcome. The structure of this patent is strikingly similar to the structure of Murray's application. In each case the tubes of the four walls of the boiler surround or form a combustion chamber and are subjected to direct heat from the fuel.

Decree affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DODGE

No. 3,377. Decided January 28, 1935

[74 F.(2d) 756]

PATENTABILITY—BRAKE OPERATING MECHANISM.

Claims for a brake operating mechanism *Held* properly refused as being not inventively different from other claims of the applications which were involved in an interference and which applicant conceded were unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. McConkey & Smith, Mr. N. D. Parker, Jr., Mr. M. W. McConkey, and *Mr. Jerome R. Cox* for Dodge.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1, 2, 5, 9, 10, and 11, in appellant's application for a patent for an alleged invention relating to improvements in brake operating mechanisms for vehicles, and particularly vehicles having the four-wheel brake system.

Claims 1, 2, and 11 are illustrative. They read:

1. A vehicle having, in combination, four-wheel brakes, a pedal arranged to apply all of the brakes, and an emergency lever arranged to apply all of the same brakes, the pedal having a limited movement and the emergency lever having a substantial brake-applying movement after the pedal reaches its limit of movement.

2. A vehicle having, in combination, four-wheel brakes, a single cross-shaft arranged to apply all the brakes, and a service pedal and an emergency lever both having lost-motion connection with the shaft, the brake-applying movement of the pedal being limited and the lever having a substantial brake-applying movement after the pedal reaches its limit of movement.

11. A vehicle having, in combination, four wheel brakes, a single cross-shaft arranged to apply all of said brakes, a service pedal having a lost motion connection with the shaft, an emergency lever having a lost motion connection with the shaft, and means for limiting the brake applying movement of the pedal prior to limitation of movement of the lever.

The claims were rejected by the Board of Appeals on two grounds; namely, first, that they were not patentable over a publication entitled Automotive Industries of June 16, 1921, p. 1269, and not patentably distinct from the subject matter of the issue in an interference hereinafter referred to; and second, on the ground of estoppel.

It appears from the record that appellant's application was in Interference No. 58,229, with a reissue application No. 257,946, of Des Rosiers' patent, No. 1,575,323 on several counts, of which counts 2 and 5 are sufficiently illustrative. They read:

2. A vehicle having, in combination, two swiveled front wheels having brakes, two rear driving wheels having brakes, a substantially rigid transverse rockshaft approximately midway between the front and rear wheels and having an upwardly-extending member and a downwardly-extending member at each end, a tension connection from each member to one of the four brakes, whereby the rockshaft operates all four brakes, *a service operating member having an overrunning connection with the shaft, and an emergency operating member having an overrunning connection with the shaft.*

5. Actuating mechanism for a vehicle having four wheel brakes, comprising a rigid controller shaft, four rods connected to said controller shaft, each adapted to be connected to one of said four wheel brakes, a foot lever, *means connecting the foot lever to the controller shaft with a lost motion connection*, a hand lever, *and means connecting the hand lever to the controller shaft with a lost motion connection*, whereby either the foot lever or the hand lever may be used to rock the controller shaft for applying all said wheel brakes, without moving the other lever. [Italics ours.]

Appellant moved to dissolve the interference on the ground that the subject matter there involved was unpatentable in view of the prior art. The motion was granted, and the interference dissolved by the tribunals of the Patent Office.

Although appealed claims 1, 2, and 5 were in appellant's application during, and subsequent to, the interference proceeding, they were not involved therein. Appealed claims 9, 10, and 11 were later added to his application.

It clearly appears that the only distinction between the claims here at issue and the counts involved in the interference, hereinbefore referred to, is that the appealed claims contain the feature—"the pedal having a limited movement and the emergency lever having a substantial brake-applying movement after the pedal reaches its limit of movement."

Although the Automotive Industries reference shows a lost-motion connection between the emergency lever and the brakes, it does not disclose such a connection between the foot pedal and the brakes, nor does it disclose a stop for the foot pedal for the purpose of preventing the locking of the wheels.

The gist of the claimed invention, as stated in appellant's specification, is to provide a limit "for the brake-applying movement of the pedal, for example by engagement with the floor board," in combination with the lost-motion connections disclosed in the counts of the interference.

The argument has been stressed in this court, and apparently in the Patent Office, that the hand lever was so constructed as to have a substantial brake-applying movement after the foot pedal had reached the floor board, and that the purpose of limiting the brake-applying movement of the pedal was to apprise the operator of the vehicle of the fact that his brakes needed relining when the pedal reached the floor board.

The fact of the matter is that there is nothing in the specification, or in the claims, of appellant to indicate that the "stop" for limiting the movement of the pedal was intended to, or would, apprise the operator that the brakes needed relining. On the contrary, appellant's specification definitely and clearly recites that the purpose and object of the alleged invention is to limit the brake-applying movement of the pedal so as "to insure against locking the wheels under any ordinary circumstances," and that the foot pedal and its connections were so formed and adjusted that the pedal reached the floor board before the wheels were locked. The only other feature stressed in the application is that of using the hand lever so as to apply additional movement of the brakes.

In its decision on appellant's application for a rehearing, the Board of Appeals in referring to its original decision in the case, among other things, said:

The decision was based upon two controlling facts: The first being that the subject-matter of the claims is not patentably distinct from the subject-matter of the issue in Interference 58,229, which latter subject-matter, in the opinion of the applicant, is devoid of patentability, as evidenced by his motion to dissolve said interference; and the second being that of estoppel, the applicant while in said interference failing to contest the question of priority with respect to equivalent subject-matter.

The main distinction between the claims on appeal and the claims which constituted the issue in said interference is that the claims on appeal include a statement to the effect that the pedal has a "limited movement", or the limitation of a "stop in the path of the foot pedal".

As has been repeatedly pointed out in this record, these limitations are immaterial from the standpoint of invention. In the operation of the invention disclosed in Automotive Industries, of June 26 [16], 1921, page 1269, and in the operation of the Des Rosiers invention in the manner contemplated the pedal necessarily has a limited movement, the floor of the vehicle functioning to limit the movement of the pedal.

We find no disclosure in the Automotive Industries' reference, nor in the patent to Des Rosiers showing that the brake-applying movement of the foot pedal is limited by the floor board, or other means, to prevent the locking of the wheels of the vehicle, and, at the same time, providing that the emergency lever shall have a "substantial brake-applying movement after the pedal reaches its limit of movement."

If it may be assumed that it is desirable, by limiting the brake-applying movement of the foot pedal, to make it impossible to lock the wheels of the vehicle, except by use of the emergency lever, we are of opinion that it would be obvious to one skilled in the art to solve the problem in accordance with appellant's arrangement, in view of the concession that the counts in the interference were unpatentable over the disclosure contained in the Automotive Industries' reference. Stating the proposition differently, the limitations contained in the appealed claims, in view of the facts of record, are, in the language of the Board, "immaterial from the standpoint of invention."

We find it unnecessary, therefore, to consider the second ground of rejection applied by the tribunals of the Patent Office; to wit, that appellant was estopped to claim the subject-matter defined in the appealed claims, because of his failure to request that those claims be placed in interference in the Des Rosiers reissue application.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CROWLEY

No. 3,382. Decided January 28, 1935

[74 F.(2d) 753]

PATENTABILITY—VALVE STEMS.

Certain claims for a valve stem *Held* unpatentable in view of the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Kiwis, Hudson & Kent, Mr. Watts T. Estabrook, and *Mr. W. E. Williams* for Crowley.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Four claims of an application for patent, relating to valve stems designed particularly for use with pneumatic tires of motor vehicles, are here upon appeal from a decision of the Board of Appeals of the United States Patent Office affirming their rejection by the Examiner. The claims are numbered 8, 9, 10, and 11, respectively. Of these, numbers 8 and 10 are thought to be typical:

8. A valve stem comprising two stem parts, one of said parts having an internal bore extending therethrough and being provided with a head at one end and with a reduced portion, a packing arranged on said reduced portion, the other of said parts being tubular and telescoping upon the first named part, said second named part having one end formed to interiorly receive a valve insides and the other end thereof located when the stem is assembled adjacent to the head of the first named part, said second named part also having a portion engaging the said packing with a wedging action to effect an air seal between the two parts, and means for securing the two stem parts together.

10. A valve stem comprising two stem parts, one of said parts having an internal bore extending therethrough and being provided with a head at one end, the other of said parts being tubular and telescoping upon the first named part and having one end formed to receive a valve insides, a spreader plate, and means swivelly connecting said spreader plate and said second named part for securing said stem parts together.

As is indicated by the claims, appellant discloses a two part valve stem. The part which is designed to be attached permanently to the inner tube of the tire during the process of tube manufacture, and which is referred to as the "inner" part, may be of standard construction, while the other or "outer" part may be made of such length and shape—that is straight or bent—as will adapt it to different types of wheels. It is proper to note that while the drawings disclose different forms, nothing relative to shape is contained in the claims themselves.

The disclosure relating to the first or inner part is that of a member bored internally and fitted at one end with a head designed to be placed on the inner side of the pneumatic tube, the other end being reduced in size and having packing arranged on the reduced portion.

The second or outer part is a tubular member or stem designed to telescope upon the reduced portion of the inner part, being screwed down upon same so that its lower end is located adjacent the

head element of the first or inner member. The outer end of the outer part is designed to receive a "valve insides," or core. In one figure of the drawings there is also disclosed a spreader plate so placed outside the pneumatic tube as to cooperate with the head of the first or inner part and hold the tube clamped between head and plate. This plate is provided with a swivel connection to a nut, which nut in turn is swivelly connected with the stem.

The rejection by the Examiner rested upon two grounds, first, that of aggregativeness, it being his opinion that

"The specific joint between the parts bears no patentable relation to the formation of the outer part to receive a valve insides,"

and, second, as not inventive over the prior art cited, the references being Gilbouret (French) patent No. 496,512; Schrader, 604,424, May 24, 1898; Kraft, 1,432,869, October 24, 1922; and Oakley, 1,655,104, January 3, 1928.

The Board expressly overruled the first ground, that of aggregativeness, but sustained the rejection upon the prior art after pointing out that—

• • • Gibouret discloses a two-part valve stem comprising an inner member provided with a head and externally screw threaded to receive the outer member. The outer end of the outer member is provided with a valve of specific construction. Schrader discloses a valve stem comprising a part externally screw threaded and provided at one end with a thread, and at the other end with an interior conical seat, a second part carrying the valve and provided at one end with a packing to cooperate with the seat in the other member, the two members being clamped together by means of a swiveled member threaded to the external threads of the first member. Kraft discloses a valve stem provided with an insert to receive the valve insides. Oakley discloses a valve stem comprising a part externally screw threaded and provided with a head and a spreader with a nut swiveled to the spreader.

The purport of the Board's decision, as we understand it, is that each of the features of appellant's combination, as defined in the rejected claims, is found in one or other of the cited references, and that it did not involve other than mechanical skill to make the requisite modifications of same and combine them in appellant's device.

The brief for appellant makes the following contentions, the italics being quoted as they appear in said brief:

a. The Patent Office has not cited in the record of this application any prior patent or patents disclosing a valve stem construction comparable in *purpose and function* to appellant's construction; that is, a two-part valve stem, the inner part of which is of *standard construction* and has associated therewith *an outer part for receiving the valve insides which may be varied in shape and length to adapt the valve stem to different types of automobile wheels.*

b. The Board of Appeals in rejecting the claims failed to note *this lack of identity of purpose and function between the prior art patents and appellant's construction* and, therefore, committed an error under the doctrine of this Court as exemplified in decisions hereinafter to be referred to.

c. The Board of Appeals, in relying on the disclosure of a foreign patent showing a construction *lacking in identity of purpose and function* with appellant's construction and *in suggesting certain changes in the construction shown in said foreign patent,* did not observe the rule of this Court with respect to disclosures of foreign patents as anticipations, as will be pointed out by decisions hereinafter referred to.

Upon the contention expressed in paragraph *a*, supra, to the effect that no prior patent has been cited which discloses a valve stem construction comparable in purpose and function to appellant's construction, the brief cites the decision of this court in the case of *In re Wallace R. Gillam*, 17 C. C. P. A. (Patents) 877, 37 F.(2d) 959, 395 O. G. 1135, with the insistence that it was there held that the court was justified in reversing the experts of the Patent Office in cases where there "was a lack of identity of purpose and function" between the references and the application.

We are of opinion that our decision in the *Gillam* case, supra, has not been correctly understood by counsel for appellant. We there had nothing to say relative to "identity of purpose and function". It was there said, in substance, that, in our opinion, there was a clear distinction between the "idea" embodied in the application there involved and the reference cited against it, and that this was an essential distinction, and we followed this by pointing out the particular feature of structure which embodied such essential distinction.

In the case of *In re Joseph W. Isherwood*, 17 C. C. P. A. (Patents) 1187, 40 F.(2d) 987, 400 O. G. 225, this court, citing authorities, had occasion to say:

• • • it is true, as a matter of law, that if the applicant has taken one feature from one patented device, and another feature from another patented device, and combined them, and has produced no results other than were produced by the original devices in their individual operation, then he has invented nothing.

When the foregoing rule is applied to the claims here on appeal, we are forced to the conclusion that invention is lacking.

It is true that appellant presents a structure wherein there may be combined a standard element with one which may take different shapes to meet the requirements of different types of motor vehicle wheels, but each element of both the general parts is found in some one of the references, performing substantially the same function there as it performs in the device of appellant.

It may be true, as counsel for appellant urges, that the French patent to Gibouret

does not disclose a two-part valve stem, the inner part of which is standard and the outer part of which may be angularly bent or changed as to length to suit varying conditions,

but, as has been stated, appellant's claims have nothing to say relative to bending or length, and it is not questioned that Gibouret does clearly disclose a two-part valve construction.

It may also be true, as is claimed for appellant, that Gibouret's outer part requires a special, and not the conventional form, of "valve insides" or core, but nothing is found in the claims before us which describes appellant's outer part as being designed for any particular character of "valve insides." So far as the claims are concerned, appellant's valve insides may be either conventional or of some special type.

Incidentally, it may be said that the patent to Kraft discloses a valve stem arranged to receive a valve core in one of its ends. It is true this is a one part valve stem structure, but insofar as the feature of the "valve insides" is concerned, we can see no reason for holding it not a pertinent reference.

It is urged on behalf of appellant that the principal reference, Gibouret, is a foreign patent and that the rule has been laid down by this court that (quoting from brief)—

foreign patents may not be measured as anticipatory by what may be made out of them, but only by what is clearly and definitely expressed in them.

The cases of *In re Gillam*, supra, and *In re Ernest G. Dann*, 18 C. C. P. A. (Patents) 1031, 47 F.(2d) 356, 409 O. G. 7, are cited.

It is quite true that under many authorities a certain distinction has been declared between foreign and domestic patents when used as references, but certainly there is no authority which holds that what is clearly disclosed in a foreign patent may not be combined with the disclosures of other patents to negative patentability. The rule is to the contrary. *In re Cross*, 20 C. C. P. A. (Patents) 710, 62 F.(2d) 182, 426 O. G. 57.

We think the Board of Appeals did no more than this in the instant case.

We are unable to concur in the contention that there is error in the decision of the Board of Appeals and the same is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ARENDT

No. 3,332. Decided January 28, 1935

[74 F.(2d) 765]

PATENTABILITY—METHOD OF OPERATING A VEHICLE PROPELLING PLANT—DOUBLE PATENTING.

Claims for a method of operating a vehicle propelling plant *Held* unpatentable as for the same invention as that claimed in applicant's patent.

APPEAL from the Patent Office. Affirmed.

Mr. W. B. Morton and *Mr. C. M. Fisher* for Arendt.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims 9 and 11 of appellant's application upon the ground that such claims involve only the same invention as that claimed in appellant's patent, No. 1,790,634, issued January 27, 1931, upon an application filed on August 25, 1923. Appellant's instant application was filed on December 17, 1929; it recites that:

This application is a continuation of my earlier filed application Ser. No. 508,191, filed October 17, 1921, and also of my copending application Ser. No. 659,300, filed August 25, 1923.

The Examiner also rejected said claims upon certain references, but the Board of Appeals did not affirm his rejection upon that ground.

The claims here involved are method claims and read as follows:

9. The method of operating a vehicle propelling plant consisting of an engine, a generator of an overall capacity not substantially greater than the average power requirements of the vehicle over a period of operation, a motor and a battery in circuit with the generator and motor and of a capacity insufficient to receive the full output of the generator without injury thereto, which consists in operating the generator at its full capacity output at all times except when the amount of current flowing to the battery would be sufficient to injure the same.

11. The method of operating a vehicle propelling plant consisting of an engine, a generator of an overall capacity not substantially greater than the average power requirements of the vehicle over a period of operation, a motor and a battery in circuit with the generator and motor and of a capacity insufficient to receive the full output of the generator without injury thereto, which consists in normally operating the generator at full capacity while the vehicle is under power, stopping the operation of the generator when the battery is fully charged and restarting the generator when the battery is discharged a fraction less than half its capacity.

Certain claims were allowed by the Examiner, with which claims we are not here concerned.

Appellant's application relates to a gas-electric vehicle, including a prime mover, such as a gas engine, which drives an electric generator, which generator, through an electric motor, propels the vehicle. A storage battery is arranged in parallel with the motor, so that the generator can charge the battery and the battery can supply current for driving the vehicle when the load is too heavy for the generator. The claims here involved are for a method of operating the units of apparatus enumerated in said claims.

Appellant's patent, No. 1,790,634, is not prior art for the reason that when it was issued appellant's instant application was pending in the Patent Office. Therefore, the only question before us is whether the invention here claimed is covered by any of the claims of appellant's said patent.

It is elementary that an applicant cannot receive two patents for the same invention, and if appellant has already received a patent for the invention here claimed, the decision of the Board of Appeals with respect to the claims here involved should be affirmed.

Appellant's said patent is for certain specified apparatus, and no method claims are included therein. Whether the claims here involved would have been allowable in appellant's said patent we need not here determine.

Claims 4, 5, and 16 are illustrative of the claims allowed in said patent and read as follows:

4. A propulsion system for vehicles having an electric operating motor, an engine for supplying power therefor, a generator operated by said engine, a storage battery, said storage battery having a capacity insufficient to receive the full charge of said generator, connections between the generator, the storage battery and the electric motor whereby the storage battery assists in driving the motor when the load thereon exceeds a predetermined value and is charged by the generator when the load is below such value, means for reducing the generator output when the load on the electric motor falls below a predetermined minimum to a point such that the battery may receive the entire output of the generator without injury, and means independent of said output control for stopping said engine when the battery is charged and for restarting said engine when the battery is partially discharged.

5. A propulsion system for vehicles comprising an electric operating motor, an engine for supplying power therefor, a generator operated by the engine, a storage battery, connection between the generator, the storage battery and the electric motor whereby the storage battery assists in driving the motor when the load thereon exceeds a predetermined value and is charged by the generator when the load is below such value, a throttle control for said engine comprising *automatic* means for operating said throttle to reduce the engine output when the load on the electric motor falls below a certain minimum, means for utilizing said storage battery and generator for starting said engine, said means and said throttle control being so arranged as to maintain a fully open throttle when said engine is being started. [Italics ours.]

16. In an apparatus of the class described, the combination of an electric operating motor, a prime mover

for supplying power thereto, a generator operated by the prime mover, a storage battery, connections between the generator, storage battery and the electric motor, whereby the storage battery assists in driving the motor, when the load thereon exceeds the predetermined value and is charged by the generator when the load is below such value, a watt regulator for maintaining a practically constant energy output from the generator, means to reduce the watt regulator setting, means to *electrically disconnect the generator and stop the engine at a predetermined point of battery charge*, and means to *automatically* restart engine and generator at a predetermined point of battery discharge. [Italics ours.]

The Board of Appeals in its decision stated:

Appellant particularly urges that the rejected claims are method claims while the claims of the patent are drawn to apparatus. The applications of both cases were copending and it is appellant's position that the subject matter of the method claims is broader, is capable of being carried out by manuel control and is therefore not limited to the specific apparatus of the patent.

There is no question but that under proper conditions method claims which were being asserted in an application at the time of issue of a patent, containing claims to a specific apparatus for carrying out the method, may be allowed in a second patent; but it must be clear that the apparatus claims are specific and that it would be obvious to carry out the operations of the method claims in some substantially different way than that set forth in the broadest apparatus claim in the patent.

We consider that in the patent the means for reducing the generator output and the means for stopping the engine when the battery is charged are so broad as to cover hand control means for the elements of the system referred to. It is true that this claim includes both the limitations found in the two claims on appeal but we are satisfied that this does not provide any proper line of division. Even if this claim should be construed as restricted to automatic means, we do not consider that there is any patentable distinction. We do not believe that appellant in the two cases has disclosed two independent inventions along the broad lines covered by the appealed claims and claim 4 of the patent but we consider that the claims of both cases cover substantially the same invention and that the claims differ in words merely, without even any substantial difference in the scope. We agree with the Examiner that the method claims merely set forth the function of the apparatus of the patent. We are fully satisfied, therefore, that there is no line of division between the appealed claims and those of the patent and that the Examiner was justified in rejecting them for this reason.

It is appellant's contention that the means for controlling the several units described in the involved claims might be independent, manually operated elements, whereby an operator, in pursuance of appellant's specifications, could carry out the sequence of operations therein defined and successfully operate a vehicle carrying the prescribed load; that it is this method of operation to which the claims here on appeal are directed, while appellant's said patent is directed to an independent improvement on the invention claimed in the case at bar, whereby certain of the steps of appellant's improved method of operating a gas-electric propulsion system are carried out automatically, and that therefore the invention for which appellant has received a patent is not the same invention that is here claimed.

The position of the Solicitor for the Patent Office is concisely stated in his brief as follows:

The true test of independence of the subject matter of the method claims and the apparatus claims lies not in the disclosures in the specifications, but in comparison of the things enumerated in the respective claims themselves. The method claims state the doing of certain series of steps of process or in setting forth means for doing the same acts, without reference to any specific means. The apparatus claims are intended to cover all means for doing the acts specified. That being so, there is no other apparatus for doing the acts specified, or the method can be carried out only by the apparatus claimed. The case, of course, might be different if the apparatus claims involved any particular structure of means for performing the functions indicated. As before indicated, it is conceivable that a variety of specifically different means might be used to perform the same function. But that is not this case, because here the apparatus claims are not limited to any particular structure of means. In other words, there is but a single inventive idea, with no patentable distinction, in setting forth a series of steps of process or in setting forth means for doing the same series of steps. * * *

We think the foregoing is a correct statement of facts with reference to the method claims here involved and also respecting some of the apparatus claims of appellant's patent, notably claim 4 hereinbefore quoted. There are, however, some claims of said patent which set out specific means for automatically performing some of the operations set forth in the claims. With these claims of the patent, however, we are not concerned, for they were not relied upon by the Patent Office tribunals.

The real question before us is whether claims of the patent, of which claims 4, 5, and 16 are illustrative, require automatic control of certain of the steps of operating a gas-electric propulsion system such as is described in said claims. If said claims cover hand operated, as well as automatic, control of such steps, it is clear to us that the claims here involved cover the same invention as is embodied in said patent claims, and we need not inquire whether the addition of automatic control set forth in some of the claims of the patent covers a separate invention, distinct from that which is here claimed.

Appellant contends that the use of the word "when", as in claim 4 of the patent, for example, implies automatic control and excludes hand operated control. We quote again from claim 4 as follows:

4. * * * means for reducing the generator output *when* the load on the electric motor falls below a predetermined minimum to a point such that the battery may receive the entire output of the generator without injury, and means independent of said output control for stopping said engine *when* the battery is charged and for restarting said engine *when* the battery is partially discharged. [Italics ours.]

Upon this point, it is sufficient to say that if appellant's contention with respect thereto is correct, then it would be likewise true that the claims here on appeal call for a method of operation in which the operation is controlled by automatic means, whereas appellant's position is that said involved claims include hand operated controlling means and that they are therefore distinguished from the claims of the patent. For instance, in claim 9, here involved, the following is found:

* * * which consists in operating the generator at its full capacity output at all times except *when* the amount of current flowing to the battery would be sufficient to injure the same. [Italics ours.]

Similarly, in claim 11, here involved, there is found:

* * * stopping the operation of the generator *when* the battery is fully charged and restarting the generator *when* the battery is discharged a fraction less than half its capacity. [Italics ours.]

It thus appears that in construing the claims of the patent appellant gives one significance to the word "when," and in construing the same word when similarly used in the claims on appeal he gives to it exactly the opposite significance.

We are in agreement with the view of the Board of Appeals that the language of claim 4 of the patent, and of certain other claims thereof, is broad enough to cover hand control means for operating the elements of the system set out in the claims.

Certain claims of the patent, of which claims 5 and 16 are illustrative, specifically claim automatic controls, without reciting any specific form of automatic control. Claim 4, and certain of the other claims, do not specify automatic control at all.

It is well established that, in construing a claim of an application or patent, it is proper to consider other claims in the application or patent. *Marshall and Levandesky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495, 438 O. G. 531; *Oldroyd* v. *Morgan*, 19 C. C. P. A. (Patents) 1111, 57 F.(2d) 358, 421 O. G. 858; *Andrews* v. *Nilson*, 27 App. D. C. 451, 123 O. G. 1667; *Ryder* v. *Schlichter*, 126 Fed. 487; *French* v. *Buckeye Iron & Brass Works*, 10 F.(2d) 257. (certiorari denied, 271 U. S. 673).

The case last above cited was an infringement suit, and one of the questions involved was whether certain claims of the patent there involved were limited to automatic mechanism, or included mechanism manually operated. The Circuit Court of Appeals (Sixth Circuit) in its opinion in said case stated:

The effect of the argument made by appellee against infringement is that the claims in suit must be limited to the specific structure wherein a falling float in the bottom kettle automatically trips into action the mechanism for opening and closing the successive gate doors. It is quite impossible to accept this argument. The French specification and drawing showed this construction, but we find that the specification expressly stated that, instead of this full automatic action, the starting gear might be manually operated, if desired, and then we find that the patent contains a group of narrow claims limited to this full automatic action, and a group of broader claims not so limited. Under familiar principles the limitations of the former cannot be imported into the latter.

So in the case at bar, appellant's patent clearly sets forth the invention here involved and also sets forth as an improvement of the invention certain automatic controls of the apparatus. As hereinbefore indicated, certain of the claims of the patent specifically claim such automatic features, while other claims, such as claim 4, do not. Therefore, under the rule supported by the case above cited and quoted from, we must hold that claims which do not specifically embody such automatic controls are not limited to automatic controls, for we cannot read into broad claims, such as claim 4 of the patent, limitations which are specifically set forth in other claims of the patent.

Claim 5 clearly provides for "automatic means for operating said throttle to reduce the engine output * * *." Claim 16 clearly provides for automatic means to "stop the engine at a predetermined point of battery charge, and means to automatically restart the engine and generator * * *." Claim 4, and certain other claims of the patent, contain no such limitations.

Being of the opinion that the process here claimed embodies the same invention disclosed and claimed in appellant's patent, the decision of the Board of Appeals must be affirmed.

As hereinbefore indicated, in view of the conclusion we have reached, it is unnecessary for us to decide whether claims of appellant's patent merely reciting automatic means of control of the apparatus, without specifying any particular means of automatic control, constitute any patentable distinction over the claims in the patent which do not contain such recital.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540 (*a*), 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, D. C., W. D. Tex. (Waco), Doc. E 266, *Activated Sludge, Inc.*, v. *City of Waco, Tex.* Decree Mar. 20, 1935.

1,247,540 (*b*). 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797, Stott & Jones, Aeration of sewage and other impure liquids, D. C. Minn., 4th Div., Doc. E 2783, *Activated Sludge, Inc.*, v. *Village of Norwood, Minn.* Consent decree of dismissal Apr. 1, 1935.

1,247,542. (See 1,247,540 (*a*) and (*b*).)

1,250,088, H. A. Burns, Process and apparatus for separation of suspended particles from gases; 1,329,825, L. Bradley, Method and apparatus for electrical treatment of gases; 1,333,790, same, Means for electrical treatment of gases; 1,329,844, A. F. Meston, Down draft wet precipitator; 1,329,859, Schmidt & Bradley, Apparatus for electrical treatment of gases; 1,343,285, W. A. Schmidt, Means for separating suspended matter from gases; 1,931,436, W. Deutsch, Electrical precipitating apparatus, D. C. Dela., Doc. E 1059, *Research Corp. et al.* v. *A. G. McKee & Co.* Consent decree dismissing bill without prejudice Mar. 1, 1935.

1,282,587. (See 1,247,540 (*a*) and (*b*).)

1,286,017. (See 1,247,540 (*a*) and (*b*).)

1,297,188, I. Langmuir, System for amplifying variable currents; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; 1,573,374, P. A. Chamberlain, Radio condenser; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, filed Apr. 16, 1935, D. C., S. D. N. Y., Doc. E 80/143, *Radio Corp. of America et al.* v. *Lenox Equipment Co., Inc., et al.*

1,307,510, A. M. Nicolson, Thermionic translating device; 1,354,939, H. D. Arnold, Vacuum tube device; 1,479,778, H. J. Van der Bijl, same, 1,893,466, R. F. Gowen, Audion construction, filed Apr. 11, 1935, D. C., E. D. N. Y., Doc. E 7572, *Radio Corp. of America et al.* v. *Amperex Electronic Products, Inc., et al.*

1,307,734, A. V. Gullborg, Lubricating means; 1,593,791, C. G. Butler, Lubricating apparatus, appear filed Apr. 26, 1935, C. C. A., 8th Cir. (St. Louis), Doc. 10,322, *Stewart-Warner Corp.* v. *Jiffy Lubricator Co.*

1,329,825. (See 1,250,088.) 1,329,844. (See 1,250,088.)

1,329,859. (See 1,250,088.)

1,330,542, H. W. Kulp, Valve-spring lifter; 1,879,330, Kulp & Dellinger, same, filed Apr. 11, 1935, D. C., N. D. Iowa (Dubuque), Doc. E 242, *K-D Mfg. Co. et al.* v. *Waterloo Valve Spring Compressor Co. et al.*

1,333,790. (See 1,250,088.) 1,343,285. (See 1,250,088.)

1,343,797. (See 1,247,540 (*b*).)

1,354,939. (See 1,307,510.)

1,374,679, J. B. Pratt, Degasifying process, 1,537,708, W. Schottky, Thermionic vacuum tube; 1,558,437, I. Langmuir, Electrical discharge apparatus; 1,696,103, G. Seibt, Electric discharge tube; 1,855,885, A. W. Hull, Electron discharge device, filed Apr. 11, 1935, D. C., E. D. N. Y., Doc. E 7571, *Radio Corp. of America et al.* v. *Amperex Electronic Products, Inc., et al.*

1,379,276, J. A. Moore, Machine for sealing boxes or cartons; 1,434,230, Shawver & Richardson, Box pasting

and sealing machine; 1,467,045, W. D. Kimball, Carton sealing machine; 1,482,197, same, Carton closing machine with automatic stop mechanism; 1,471,924, H. A. Saylor et al., Box sealing machine; 1,503,126, Kimball & Rideout, Sealing machine for filled cartons; 1,618,440, same, Filled carton closing and sealing machine; 1,615,571, same, Carton sealing machine, filed Apr. 15, 1935, D. C. Md., Doc. E 2321, *Standard-Knapp Corp.* v. *Burt Machine Co., Inc.*

1,392,629, 1,890,974, C. P. Dubbs, Process for converting hydrocarbons; 1,537,593, G. Egloff, Process for cracking oil, filed Apr. 1, 1935, D. C. Kans. (Topeka), Doc. 449–N, *Universal Oil Products Co.* v. *National Refining Co.*

1,393,600, E. Bernitz, Furnace wall; 1,627,349, B. H. Snow, same, appeal filed Oct. 4, 1934, C. C. A., 3d Cir., Doc. 5642, *Bernitz Furnace Appliance Co.* v. *D. B. Wilson.*

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,903,932, R. H. Wilson, Electron discharge device; 1,936,162, R. A. Heising, Transmission system; 1,702,833, W. S. Lemmon, Electrical condenser, filed Apr. 16, 1935, D. C., S. D. N. Y., Doc. E 80/142, *Radio Corp. of America, et al.* v. *Lenox Engineering Co., Inc., et al.*

1,403,932. (See 1,403,475.)

1,404,568, A. H. Blackburn, Furnace; 1,544,207, R. L. Beers, Tuyère structure for single-retort stokers; 1,710,260, O. A. Johnson, Tuyère block; 1,836,395, C. H. Rich, Stoker tuyère construction; 1,896,569, J. W. Armour, Tuyère block, filed Mar. 25, 1935, D. C. Minn. (Minneapolis), Doc. E 2826, *Riley Stoker Corp.* v. *Jeffery-Quest Foundry Co.*

1,429,207, Koppelman & Cooper, Packing for fragile articles; 1,445,780, Mann & Koppelman, Packing for eggs, etc., filed Apr. 10, 1935, D. C., E. D. N. Y., Doc. E 7569, *Patent Royalties Corp. et al.* v. *Land O' Lakes Creameries, Inc., et al.*

1,431,368, 1,930,191, H. W. Bundy, Tubing; 1,506,971, same, Tube and method of making tubes; 1,685,269, same, Method and apparatus for making tubing; 1,892,607, same, Method for making a tube, D. C., N. D. Ohio, E. Div., Doc. 4789, *The Bundy Tubing Co.* v. *The Composite Tube Co. et al.* Consent decree holding infringement of 1,892,607 and 1,930,191 Apr. 10, 1935.

1,434,230. (See 1,379,276.) 1,445,780. (See 1,429,207.)

1,467,045. (See 1,379,276.) 1,471,924. (See 1,379,276.)

1,479,778. (See 1,307,510.) 1,482,197. (See 1,379,276.)

1,503,126. (See 1,379,276.) 1,506,971. (See 1,431,368.)

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system, D. C., S. D. N. Y., Doc. E 79/339, *Radio Corp. of America et al.* v. *Fox Radio Corp. et al.* Decree pro confesso for plaintiff (notice Apr. 17, 1935).

1,507,017. (See 1,507,016.)

1,512,827, 1,555,642, H. Deutsch, Writing and drawing device; 1,556,499, same, Recording device; 1,891,414, H. Hahn, Writing and drawing pad, filed Apr. 23, 1935, D. C., S. D. N. Y., Doc. E 80/169, *P. Kisch* v. *Irwin Novelty Co., Inc., et al.*

1,537,593. (See 1,392,629.) 1,537,708. (See 1,374,679.)

1,544,207. (See 1,404,568.)

1,546,352, F. J. Rippl, Glass severing apparatus; 1,546,353, Rippl & Malloy, Automatic flare machine, D. C., N. D. Ohio, W. Div., Doc. E 1251, *General Electric Co.* v. *Save Lamp Co. et al.* Dismissed without prejudice Apr. 11, 1935.

1,546,353. (See 1,546,352.) 1,555,642. (See 1,512,827.)

1,556,499. (See 1,512,827.) 1,558,437. (See 1,374,679.)

1,573,274. (See 1,297,188.)

1,576,213, G. D. Parker, Combined cover press and nailing machine; 1,777,474, same, Machine for applying box straps to containers; Re. 19,449, same, Method of securing covers to containers, filed Apr. 11, 1935, D. C., S. D. Calif., (Los Angeles), Doc. E 633–M, *D. Parker, et al.* v. *H. Paston et al.*

1,593,791. (See 1,307,734.) 1,618,017. (See 1,297,188.)

1,618,440. (See 1,379,276.)

1,624,247. (See Re. 17,615.)

1,625,990, H. Garrett, Traffic signal; 1,728,602, same, Automatic street signaling system; 1,743,965, same, System for operating traffic-controlling and fire-alarm apparatus, filed Mar. 2, 1935, D. C., W. D. Tex. (Waco), Doc. E 281, *The National Electric Signal Co.* v. *City of Waco, Tex.*

1,627,349. (See 1,393,600.)

1,655,140, 1,655,141, J. T. Fagan, Stem making machine, D. C., N. D. Ohio, W. Div., Doc. E 1252, *General Electric Co.* v. *Save Lamp Co. et al.* Dismissed without prejudice Apr. 11, 1935.

1,655,141. (See 1,655,140.)

1,667,794. (See Re. 17,779 and 1,719,805.)

1,669,235, T. T. Fenton, Dry cleaning system; 1,704,604, A. E. Hatfield, Purifying dry cleaning solvent; 1,728,343, Hatfield & Aillott, Cleaning process, appeal filed Apr. 15, 1935, C. C. A., 8th Cir. (St. Louis), Doc. 10321, *Butler Mfg. Co.* v. *Enterprise Cleaning Co. et al.*

1,680,457. (See 1,707,938.) 1,685,269. (See 1,431,368.)

1,696,103. (See 1,374,679.) 1,702,833. (See 1,403,475.)

1,704,604. (See 1,669,235.)

1,706,662, W. Guyot, Desk set; 1,782,108, J. C. Wahl, Desk stand and holder for fountain pens, filed Apr. 17, 1935, D. C., E. D. N. Y., Doc. E 7585, *Pen Desk Set Co.* v. *Chilton Pen Co., Inc.*

1,707,617. (See 1,297,188.)

1,707,938, J. J. Hawxhurst, Liquid service station; 1,876,784, G. W. Stedwell, Liquid dispensing; 1,680,457, J. J. Hawxhurst, Liquid delivery apparatus; Re. 17,558, same, Liquid delivery control, filed Apr. 20, 1935, D. C., S. D. N. Y., Doc. E 80/154, *Sherwell Controls, Inc.*, v. *Wayne Co.*

1,710,260. (See 1,404,568.)

1,719,805, 1,796,649, 1,797,912, L. Hammond, Alternating current clock; Re. 17,779 (of 1,667,794), R. Miehl, Synchronous motors especially for driving clocks; 1,835,505, J. I. Liner, Synchronous clock motor, D. C., N. D. Ohio, W. Div., Doc. E 1264 (formerly N. D. Ohio, E. Div., Doc. E 4044), *The Hammond Clock Co.* v. *The May Co.* Dismissed as to Re. 17,779 Apr. 23, 1935.

1,724,542, J. Zabel, Fur brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, D. C., S. D. N. Y., Doc. E 79/322, *Reliable Machine Works, Inc.*, v. *Schick Bros., Inc.* Doc. E 79/323, *Reliable Machine Works, Inc.*, v. *L. Krampf et al.* Doc. E 79/325, *Reliable Machine Works, Inc.*, v. *P. Sandberg.* Consent decree for plaintiff (notice Apr. 15, 1935) in each of above cases.

1,728,343. (See 1,669,235.) 1,728,602. (See 1,625,990.)

1,743,965. (See 1,625,990.)

1,757,357, Cramer & Cramer, Electrical condenser; 1,800,719, S. S. Cramer, same; 1,932,328, E. H. Tompkins, Condenser frame construction, D. C., E. D. N. Y., Doc. E 7429, *Condenser Development Corp.* v. *Federal Instrument Corp.* Consent decree for plaintiff Apr. 23, 1935.

1,768,503, A. A. Byerlein, Drawing press; 1,872,115, same, Press, D. C., N. D. Ohio, W. Div., Doc. E 1447, *General Machinery Corp.* v. *The Toledo Machine & Tool Co.* Bill dismissed without prejudice as to 1,872,115 Apr. 17, 1935.

1,776,114. (See 1,724,542.) 1,777,474. (See 1,576,213.)

1,782,108. (See 1,706,662.) 1,791,267. (See 1,914,115.)

1,795,214. (See 1,297,188.) 1,796,649. (See 1,719,805.)

1,797,912. (See 1,719,805.) 1,800,719. (See 1,757,357.)

1,811,095. (See 1,403,475.)

1,812,994, E. A. Sperry, Borehole inclination recorder; 1,959,141, same, Borehole position indicator, filed Apr. 17, 1935, D. C., S. D. Tex. (Houston), Doc. E 676, *Sperry Gyroscope Co., Inc., et al.* v. *Eastman Oilwell Survey Co.*

1,815,571. (See 1,379,276.)

1,826,682, E. A. Thompson, Transmission; 1,854,281, same, Clutch mechanism for transmissions; 1,873,725, same, Power transmission mechanism; 1,886,850, P. L. Tenney, Synchronising transmission, filed Apr. 11, 1935, D. C., E. D. Mich. (Detroit), Doc. 6904, *General Motors Corp.* v. *Detroit Gear & Machine Co.*

1,835,505. (See Re. 17,779 and 1,719,805.)

1,836,395. (See 1,404,568.)

1,842,183, M. B. Lucker, Jack; Re. 17,527, same, Double lift jack, filed Mar. 29, 1935, D. C., N. D. Ill., E. Div., Doc. 14,386, *Auto Specialties Mfg. Co., Inc.*, v. *C. Mandel.*

1,854,281. (See 1,826,682.) 1,855,885. (See 1,374,679.)

1,858,213, 1,858,214, E. A. Weeks, Road scraper, D. C. Mich. (Grand Rapids), Doc. 2543, *Root Spring Scraper Co.* v. *Willett Mfg. Co. et al.* Patents held not infringed; bill dismissed (notice Apr. 12, 1935).

1,858,214. (See 1,858,213.)

1,859,098. (See Re. 19,292.)

1,859,908. (See 1,986,384.) 1,872,115. (See 1,768,503.)

1,873,725. (See 1,826,682.)

1,875,228, R. L. Evans, Hair waving pad; 1,892,390, 1,892,426, 1,894,032, same, Method of and means for permanently waving hair, filed Apr. 17, 1935, D. C., S. D. N. Y., Doc. E 80/148, *Zotos Corp.* v. *Julian Beauty Salon, Inc., et al.*

1,876,784. (See 1,707,938.)

1,878,293, 1,922,453, M. Popper, Pinking attachment for sewing machines; 1,891,308; 1,909,346, H. F. Gruman, Combined seaming and pinking machine, filed Apr. 22, 1935, D. C., E. D. Pa., Doc. 8627, *Lewis Invisible Stitch Machine Co.* v. *Biberman Bros., Inc.* Same, filed Apr. 24, 1935, D. C., E. D. Pa., Doc. 8631, *Lewis Invisible Stitch Machine Co.* v. *R. S. Rubinstein (Le Roy Dress Co.).*

1,879,330. (See 1,330,542.) 1,886,850. (See 1,826,682.)

1,890,974. (See 1,392,629.) 1,891,308. (See 1,878,293.)

1,891,414. (See 1,512,827.)

1,892,388, 1,892,390, 1,892,391, 1,892,426, 1,894,032, 1,907,052, 1,919,690, R. L. Evans, Method of and means for permanently waving hair, D. C., S. D. N. Y., Doc. E 78/278, *Zotos Corp.* v. *Universal Beauty Parlor, Inc.* Decree pro confesso granting injunction (notice Apr. 9, 1935).

1,892,390. (See 1,892,389 and 1,875,228.)

1,892,391. (See 1,892,389 and 1,875,228.)

1,892,426. (See 1,892,389 and 1,875,228.)

1,892,607. (See 1,431,368.) 1,893,466. (See 1,307,510.)

1,894,032. (See 1,892,389 and 1,875,228.)

1,894,197. (See 1,297,188.) 1,896,569. (See 1,404,568.)

1,907,052. (See 1,892,389.) 1,909,346. (See 1,878,293.)

1,914,115, 1,791,267, H. L. Fink, Terrazzo strip, appeal filed Apr. 22, 1935, C. C. A., 2d Cir., Doc. ——, *H. L. Fink* v. *V. Fuscato, Inc., et al.*

1,919,690. (See 1,892,389.) 1,922,453. (See 1,878,293.)

1,930,191. (See 1,431,368.) 1,931,436. (See 1,250,088.)

1,932,328. (See 1,757,357.) 1,936,162. (See 1,403,475.)

1,936,451, O. G. Hildebrand, Portable lamp; Des. 91,127, same, Lighting fixture; Des. 94,483, same, Wall bracket lamp, filed Apr. 16, 1935, D. C., S. D. N. Y., Doc. E 80/140, *O. G. Hildebrand* v. *C. N. Burman et al.*

1,959,032, W. R. McGowen, Swing; Des. 91,997, P. Goodman, Design for a glider, filed Apr. 20, 1935, D. C., S. D. Ohio, W. Div., Doc. E 919, *The McKay Co.* v. *The Shott Mfg. Co.*

1,959,141. (See 1,812,994.)

1,986,384, L. V. Aronson, Cigar lighter mechanism; 1,859,908, same, Lighter, D. C., S. D. N. Y., Doc. E 79/332, *Art Metal Works, Inc.*, v. *H. Amdur & Sons, Inc.* Consent decree for plaintiff (notice Apr. 18, 1935).

Re. 15,140. (See 1,247,540 (a) and (b).)

Re. 17,527. (See 1,842,183.)

Re. 17,558. (See 1,707,938.)

Re. 17,615 (of 1,624,247), H. E. Hoover, Suction cleaner, filed Apr. 16, 1935, D. C. Md., Doc. E 2324, *The Hoover Co.* v. *Air-Way Electric Appliance Corp.*

Re. 17,779. (See 1,719,805.)

Re. 17,779 (of 1,667,794), R. Michl, Synchronous motor, especially for driving clocks; 1,835,505, J. I. Liner, Synchronous clock motor, D. C., N. D. Ohio, W. Div., Doc. E 1231, *The Hammond Clock Co.* v. *The Electric Auto-Lite Co. et al.* Dismissed as to Re. 17,779, Apr. 23, 1935.

Re. 18,579. (See 1,297,188.)

Re. 19,292 (of 1,859,098), S. Lerma, Fabric covered buckle, appeal filed Apr. 12, 1935, C. C. A., 2d Cir., Doc. 14021, *Everybody's Tool & Die Works, Inc.*, v. *M. Costa (Beauty Button Works).*

Re. 19,459. (See 1,576,213.)

Des. 91,127. (See 1,936,451.)

Des. 91,997. (See 1,959,032.)

Des. 94,483. (See 1,936,451.)

Des. 94,670, Des. 94,742, L. H. Forsch, Lady's suit, filed Apr. 20, 1935, D. C., S. D. N. Y., Doc. E 80/157, *The Forsch Benjamin Co.* v. *F. R. Z. Garment Co., Inc.*

Des. 94,742. (See Des. 94,670.)

T. M. 230,035, T. M. 275,788, T. M. 285,942, T. M. 285,943, T. M. 285,983, T. M. 286,422, Minnesota Valley Canning Co., Canned peas, filed April 17, 1935, D. C. Utah (Salt Lake City), Doc. E 12,865, *Minnesota Valley Canning Co.* v. *Eddington Canning Co.*

T. M. 275,788. (See T. M. 230,035.)

T. M. 285,942. (See T. M. 230,035.)

T. M. 285,943. (See T. M. 230,035.)

T. M. 285,983. (See T. M. 230,035.)

T. M. 286,422. (See T. M. 230,035.)

Disclaimers

Re. 17,413.—*Arthur T. Kathner*, Mount Lebanon, Pa. ANNEALING AND HEAT-TREATING FURNACE. Patent dated August 20, 1929. Disclaimer filed May 16, 1935, by the patentee, the exclusive licensee, *The Duraloy Company*, assenting.

Hereby disclaims from the aforesaid patent claims 15 and 17.

1,725,398.—*Arthur T. Kathner*, New Cumberland, W. Va. METAL-TREATING FURNACE. Patent dated August 20, 1929. Disclaimer filed May 16, 1935, by the patentee, the exclusive licensee, *The Duraloy Company*, assenting.

Hereby disclaims from the aforesaid patent claims 3, 4, 5, 7, 8, and 9.

1,813,081.—*John Homer Plunkett*, Beverly Hills, Calif. WATERPROOF CONSTRUCTION MATERIAL. Patent dated July 7, 1931. Disclaimer filed May 9, 1935, by the assignee, *The Patent and Licensing Corporation.*

Hereby enters this disclaimer to that part of the specification of the aforesaid Letters Patent which consists of claims 1, 2, 3, 4, 7 and 8 which are in the following words, to wit:

"1. A building material suitable as a backing for plaster, stucco and the like, comprising lengths of felted fibrous material saturated with a water-proofing substance and coated on its surfaces with a layer of bituminous material, one of said coated surfaces having affixed thereto throughout its entire extent, a sheet of water-absorptive, smooth, and relatively tough paper.

"2. A building material suitable as a backing for plaster, stucco and the like, comprising lengths of felted fibrous material saturated with a water-proofing substance and coated on its surfaces with a layer of bituminous material, one of said coated surfaces having affixed thereto throughout its entire extent, a sheet of kraft paper.

"3. A building material of the character described, comprising a felted fibrous foundation saturated with a water-

proofing substance and coated on its surfaces with a layer of bituminous material, one of said coated faces having affixed thereto throughout its entire extent, a sheet of water-absorptive, smooth and relatively tough paper, said sheet of paper being relatively thinner than said foundation.

"4. A building material of the character described, comprising a felted fibrous foundation saturated with a water-proofing substance and coated on its surfaces with a layer of bituminous material, one of said coated faces having affixed thereto throughout its entire extent, a sheet of kraft paper, said sheet of paper being relatively thinner than said foundation."

"7. In combination with structure of plaster, stucco, or the like, an underlining therefore, comprising partially overlapped sheets of fibrous felt, each of said sheets being impregnated with a water-proofing substance and coated on its surfaces with a layer of bituminous material, the coated surface adjacent the plaster, having affixed thereto throughout its entire extent, a sheet of water-absorptive, smooth, and relatively tough paper.

"8. In combination with a structure of plaster, stucco, or the like, an underlining therefore, comprising partially overlapped sheets of fibrous felt, each of said sheets being impregnated with a water-proofing substance and coated on its surfaces with a layer of bituminous material, the coated surface adjacent the plaster, having affixed thereto throughout its entire extent, a sheet of kraft paper."

1,863,421.—*James D. Tear*, Schenectady, N. Y. ELECTRO-MAGNETIC COMPASS. Patent dated June 14, 1932. Disclaimer filed May 16, 1935, by the assignee, *General Electric Company*.

Hereby enters the following disclaimer to claims 3, 6, 7, 8, and 9 of the said Letters Patent, which are in the following words, to wit:

"3. An electromagnetic compass comprising an armature arranged for rotation in the earth's magnetic field, a magnetic member having relatively high permeability and relatively low retentivity, and means mounting said member in cooperative relationship with said armature so that said member directs the earth's magnetic field into said armature, means for mounting said member on a craft subject to motion about an axis thereof and means for stabilising said magnetic member in a predetermined plane whereby said member is stabilized about said axis."

"6. An electromagnetic compass comprising an armature, means for rotating said armature, a magnetic member, means mounting said member in cooperative relationship with said armature so that said member directs into said armature a magnetic flux determined by the angular relationship between an axis of said member and an axis of a component of the earth's magnetic field, and said member including a magnetic structure mounted in cooperative relationship with said armature and surrounding a substantial portion thereof for shielding said armature from other components of the earth's magnetic field.

"7. An electromagnetic compass for an aircraft and the like comprising an armature means mounting said armature on said craft for rotation about a normally vertical axis, a pair of magnetic members arranged on opposite sides of said armature and extending in opposite directions therefrom, means mounting said members in a horizontal plane with an end of each adjacent said armature so that said members direct the earth's magnetic field into said armature, and manually operated means for rotating said members in said horizontal plane to a desired position with respect to a predetermined axis of said craft.

"8. An electromagnetic compass comprising an armature, means for rotating said armature, means including a pair of elongated magnetic members arranged end to end on opposite sides of said armature for controlling the effect of the earth's magnetic field on said armature, and means for stabilising said members in a predetermined plane.

"9. An electromagnetic instrument comprising an armature, a support for said armature, means for rotating said armature, means including a pair of elongated magnetic members adjustably mounted on said support in alinement for directing the earth's magnetic field into said armature, and means for maintaining said magnetic members in a horizontal plane."

1,867,281.—*Lloyd O. Runkle*, Gloucester, Mass. SIFTER TRAWL. Patent dated July 12, 1932. Disclaimer filed May 14, 1935, by the assignee, *The Linen Thread Company*.

Hereby enters this disclaimer of claims numbered 1, 2, 5, 8, 9, 10, and 11, as said claims appear in the original Letters Patent herein above referred to.

1,960,837.—*Martin J. Binkley*, East Orange, N. J. ROTARY FUEL BURNER. Patent dated May 29, 1934. Disclaimer filed May 16, 1935, by the assignee, *The Silent Glow Oil Burner Corporation*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"10. In a burner of the character described, a rotatable distributing head provided with a peripheral rim portion having relatively small apertures spaced substantial distances apart for the centrifugal discharge of oil spray therethrough when the head is rotated, the side walls of said apertures converging toward the periphery of the head and one side wall of each aperture extending approximately radially of the head, and means for rotating the head."

Adjudicated Patents

(C. C. A. N. Y.) Hill patent, No. 1,310,698, for paper or similar cup. *Held* not infringed by cup having flat folded wedgeshaped rim. *Lily-Tulip Cup Corporation* v. *American Lace Paper Co.*, 76 F.(2d) 130.

(D. C. Md.) Rod patent, No. 1,830,768, for art of making garments, *Held* invalid. *Rokap Corporation* v. *Lamm*, 10 F. Supp. 219.

(C. C. A. N. Y.) Thornhill & Rohr patent, No. 1,867,116, for cover for handbags, claim 4, *Held* infringed. *Virginia Art Goods Studios* v. *Goldberg & Seltzer, Inc.*, 76 F.(2d) 122.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,850,047, E. P. Bachmann and W. H. Lasch, Method and apparatus for treating or moistening yarn, decided April 29, 1935, claims 2, 3, and 5.

Pat. 1,895,774, F. E. A. Smets and C. F. Hansen, Signal shaping circuit, decided May 6, 1935, claim 1.

Pat. 1,904,698, Aaron Simons, Method of making drawing die, decided March 22, 1935, claim 1.

Pat. 1,905,251, C. A. Styer, Self-compensating light control, decided April 15, 1935, claims 3 and 4.

Pat. 1,925,352, W. O. Twombly, Temperature control system for automotive engines, decided April 30, 1935, claim 1.

Pat. 1,954,785, Charles Bresson, Means for breaking electric circuits, decided April 8, 1935, claims 1, 2, and 3.

Pat. 1,958,140, G. C. Gress, Method of seasoning pyroxylin plastic, particularly sheets, decided May 10, 1935, claims 1, 2, and 3.

Pat. 1,982,566, A. G. Belford, Two-feed circular knitting machine, decided April 30, 1935, claims 3 and 5.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 4, 1935

[VOL. 455 No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 357,394. JACOB C. SCHACHET, Denver, Colo. Filed Oct. 22, 1934.



Applicant disclaims the word "Oak" apart from the mark shown.

For Leather.

Claims use since June 4, 1931.

Ser. No. 360,018. WITTMAN-MORIARTY COMPANY, INC., Philadelphia, Pa., and New York, N. Y. Filed Jan. 5, 1935.



The word "Leather" is disclaimed apart from the mark shown.

For Leather Manufactured from Sheep and Calf Skins.

Claims use since July 1, 1919.

Ser. No. 363,244. UNION COAL CO., INC., Rochester, N. Y. Filed Mar. 30, 1935.

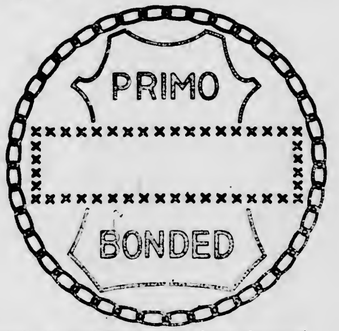


No claim is made to the word "Coke" apart from the mark shown.

For Coke.

Claims use since Mar. 13, 1935.

Ser. No. 363,348. TROPPE BROTHERS, New York, N. Y. Filed Apr. 2, 1935.



"Bonded" is disclaimed apart from the mark.

For Fur Skins.

Claims use since Mar. 19, 1935.

Ser. No. 363,479. A. HOLLANDER & SON, INC., Newark, N. J. Filed Apr. 6, 1935.

LANDER

For Fur Skins.

Claims use since Mar. 19, 1935.

Ser. No. 363,982. R. NEUMANN & COMPANY, Hoboken, N. J. Filed Apr. 19, 1935.

FRONTIER

For Leather.
Claims use since Sept. 1, 1934.

CLASS 2

Receptacles

Ser. No. 363,349. TUBASPRAY COMPANY, Cincinnati, Ohio. Filed Apr. 2, 1935.

TUBASPRAY

For Rubber Water-Holders for the Preservation of Cut Flowers.
Claims use since Aug. 20, 1934.

CLASS 4

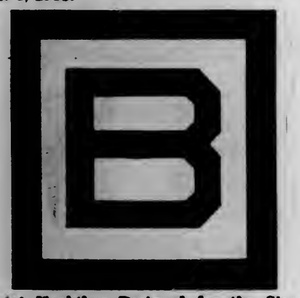
Abrasive, Detergent, and Polishing Materials

Ser. No. 362,213. HARRY M. FOLSOM, Jr., doing business as Melta Sales Agency, San Diego, Calif. Filed Mar. 30, 1935.

MELTA

For Artificial Teeth Cleaner.
Claims use since Nov. 15, 1934.

Ser. No. 363,261. BARNSDALL OIL COMPANY, Tulsa, Okla. Filed Apr. 1, 1935.



For Special Naphthas Designed for the Cleaning Industry, Spot Remover and Cleaning Fluid.
Claims use since Oct. 1, 1931.

CLASS 5

Adhesives

Ser. No. 357,884. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Nov. 5, 1934.

„AMCHEM"

For Adhesive Paste.
Claims use since Aug. 17, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 344,550. PIETRO VANZINI, doing business as Reale Laboratorio E Farmacia Zarri, Bologna, Italy. Filed Dec. 6, 1933.

"Calciocodile„

For Medicinal Product for Debility of All Kinds, Serosity, Pulmonary Tuberculosis, Convalescence from Infectious Diseases, and, in General, All Ailments Connected with a Lack of Calcium.
Claims use since 1930.

Ser. No. 344,553. PIETRO VANZINI, doing business as Reale Laboratorio E Farmacia Zarri, Bologna, Italy. Filed Dec. 6, 1933.

Fosforomeina

For Medicinal Product for Recovery Through Injection for Pulmonary Tuberculosis, Malaria, Debility after Infection, Convalescence from Operations, Anaemia, Neurasthenia, Stubborn Dermatosis.
Claims use since 1927.

Ser. No. 350,052. JOSEPH HAENNIG, Dubuque, Iowa Filed May 5, 1934.

LUCKY FOUR



For Preparations for Treating Lumps, Callouses and Other Foreign Growths on Animals, for Treating Colic in Animals, for Treating Heaves, and Wind-Broken Horses, for Treating Man and Beast for Excessive Appetite for Food and Drink, and for Treating Ring Bone and Bone Spavin of Horses.
Claims use since Apr. 3, 1934.

Ser. No. 353,762. MINERAL WELLS CRYSTAL PRODUCERS, Mineral Wells, Tex. Filed July 11, 1934.



The word "Certified" is disclaimed.
For Concentrated Mineral Water and Crystals for Treatment of Constipation, Indigestion, Neutralization of Gastric Hyperacidity and Similar Conditions and Disorders.
Claims use since May 1, 1933.

Ser. No. 357,081. CHARLOTTE FITZGERALD, Chicago, Ill. Filed Oct. 11, 1934.



For Cosmetics Comprising Hair and Face Lotions and Creams.
Claims use since July 1, 1924.

Ser. No. 357,620. HARRY H. CARNAHAN, doing business as Medical Arts Supply Company, Huntington, W. Va. Filed Oct. 29, 1934.



For Tablets the Ingredients of Which are Hexamethylen-Tetramine and Sodium Acid Phosphate; Hexamethylenamine Tablets; Cascara Compound Tablets; Blaud and Strychnine Compound Tablets; Calomel and Phenolphthalein Tablets; Iodized Lime Tablets; Cubeb Compound Tablets; Acetyl Salicylic Acid Tablets; Diuretic Tablets; Anti-Grippe Tablets; Sodium Bicarbonate Tablets; Mentholated Throat Tablets; Strychnine Sulphate Tablets; Phenobarbital Sodium Tablets; Triple Bromide Tablets; Acetanilid & Soda Compound Tablets; Methylene Blue Compound Tablets; Blood Pressure Compound Tablets; Sodium Salicylate Tablets; Ammonium Chloride Tablets; Calcium Carbonate Compound Tablets; Cold and Compound Tablets for Relief of Fever Resulting from Colds; Potassium Permanganate Tablets; Bile Salts Compound Tablets; Amidopyrine Tablets; Amidopyrine Compound Tablets; Benzocaine Compound Ointment; Calamine Compound Ointment; Chest Ointment; Guaiacol and Iodine Ointment; Benzoic Acid Compound Ointment; Alum Compound Ointment; Ammoniated Mercury Ointment; Antiseptic Skin Ointment; Zinc Oxide Ointment; Sulphur Ointment; Elixir Bromides Compound; Elixir Terpin Hydrate & Creosote Compound; Elixir Salicylic Acid Compound; Elixir Buchu Juniper & Potassium Acetate; Mixture Glycyrrhiza Compound; Elixir Phenobarbital and Bromide; Elixir Iron Phosphate with Quinine and Strychnine; Elixir Lactated Pepsin; Elixir Viburnum Compound; Syrup Hypophosphites Compound; Syrup Wild Cherry with Calcreose; Syrup Cannabis Compound; Elixir Saw Palmetto & Santal Compound; Elixir Rhubarb Alkaline with Pancreatin; Elixir Phenobarbital; Alkaline Aromatic Solution; Febling's Alkaline Solution; Febling's Copper Solution; Tincture Nux Vomica; Tincture Hyoscyamus; Mixture Rhubarb & Soda; Calamine Lotion; Tincture Belladonna; Tincture Digitalis; Hand Lotion; Itch Lotion; Toothache Drops; Antacid Powder; Liniment White Camphor; Glycerine C. P.; Earache Drops.
Claims use since March, 1931.

Ser. No. 357,885. AMERICAN CHEMICAL PAINT COMPANY, Ambler Pa. Filed Nov. 5, 1934.

„AMCHEM"

For Substances for Tempering and Soldering and Rust and Oil Removers and Rust Inhibitors for Metals.
Claims use since Aug. 17, 1934.

Ser. No. 360,846. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Jan. 30, 1935.

OPPANOL

For Synthetic Polymerization Products of High Molecular Weight Containing a Large Percentage of Carbon and Hydrogen in Chemical Combination and Varying in Their Physical Properties from a Solid Caoutchouc-Like Consistency to that of a Viscous Oil.
Claims use since Nov. 14, 1934.

Ser. No. 361,141. EUGENE W. HARRINGTON, Buffalo, N. Y. Filed Feb. 7, 1935.

ADHESOL

For Pharmaceutical Preparations Employed for the Purpose of Removing Adhesive Tape or the Like, From Surfaces, as Well as Cleaning Surfaces to Which the Adhesive Tape has been Applied.
Claims use since Sept. 15, 1934.

Ser. No. 361,364. HILDING P. LUNDIN, doing business as Lundin Brothers, Watford City, N. Dak. Filed Feb. 13, 1935.

Danderitch

For Medicated Ointment Usable as a Scalp Tonic and for Conditions Which Give Rise to the Promotion of Dandruff and Itching Scalp.
Claims use since May 1, 1934.

Ser. No. 361,374. TAMARA LTD., London, England, and Cairo, Egypt. Filed Feb. 13, 1935.



The words "London" and "New York" are disclaimed apart from the other features shown.

For Cold Cream, Vanishing Cream, Perfumeries, Face Powders, Lipsticks, Rouge, and Skin Lotions.

Claims use since Aug. 31, 1932.

Ser. No. 361,665. WILLIAM HENRY ANDREWS, Washington, D. C. Filed Feb. 20, 1935.

Lady Andres

For Cleansing Creams, Cold Creams, Hand Creams, Face Powders, Talcum Powders, Hair Tonics, Toilet Waters and Perfumes.

Claims use since Jan. 1, 1927.

Ser. No. 362,340. ACME WHITE LEAD & COLOR WORKS, Detroit, Mich. Filed Mar. 11, 1935.

ACME
SMUTREAT

For Material for the Treatment of Grain to Prevent Smut.

Claims use since Dec. 5, 1934.

Ser. No. 362,375. THE NEW JERSEY ZINC COMPANY, Newark, N. J. Filed Mar. 11, 1935.

CRYPTONE

For Pigments Composed in Whole or in Part of Zinc Sulphide for Use in the Manufacture of Rubber, Linoleum, Paper, Leather Finishes, Moulded Plastics, and Printing Inks.

Claims use since Dec. 28, 1934.

Ser. No. 362,399. THE ARMAND COMPANY, Des Moines, Iowa. Filed Mar. 12, 1935.

SYMPHONIE
BLENDED CREAM

The term "Blended Cream" is disclaimed apart from the mark.

For Face Cream.

Claims use since Jan. 4, 1935.

Ser. No. 362,417. FRED GELDMEIER, Los Angeles, Calif. Filed Mar. 12, 1935.

« Tops All »

For Pickling Solution for Meats Only.

Claims use since Nov. 16, 1934.

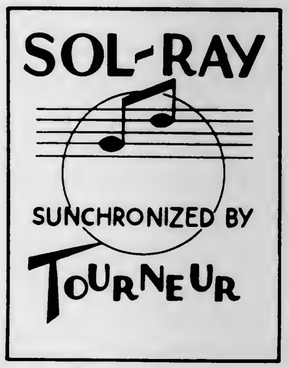
Ser. No. 362,602. TOURNEUR BEAUTY PRODUCTS COMPANY, INC, New York, N. Y. Filed Mar. 15, 1935.



For Protective Liquid Applied to the Skin to Alleviate or Prevent the Effect of Sunburn.

Claims use since Feb. 15, 1935.

Ser. No. 362,663. TOURNEUR BEAUTY PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 15, 1935.



For Liquid Skin Coloring.

Claims use since Feb. 15, 1935.

Ser. No. 362,809. DERMALAB, INC., Winnetka, Ill. Filed Mar. 21, 1935.



No claim is made to the words "Scalp Treatment" and "Winnetka, Ill." apart from the mark.

For Preparation for Scalp Treatment.

Claims use since Aug. 29, 1933.

Ser. No. 363,162. JOHN FAHLBUSCH, Bayonne, N. J. Filed Mar. 29, 1935.

KEY FLOWER



For Hair and Scalp Preparation Usable as a Dandruff Remover and Promoting the Growth of Hair.

Claims use since Feb. 15, 1935.

Ser. No. 363,217. WILLIAM J. HOPKINSON, JR., Brooklyn, N. Y. Filed Mar. 30, 1935.

TRID
INSECT SPRAY

No claim is made to the words "Insect Spray" apart from the mark.

For Insecticide Preparation in Liquid Form.

Claims use since Nov. 19, 1934.

Ser. No. 363,295. THEODORE W. ROTH, New York, N. Y. Filed Apr. 1, 1935.

GRINCALCO

For Lotion for Ivy and Other Plant Poisoning.

Claims use since March, 1909.

Ser. No. 363,331. C. A. LESIAK, doing business as St. Alban Herbs Company, Scranton, Pa. Filed Apr. 2, 1935.

St. Alban

For General Tonic.

Claims use since Mar. 6, 1935.

Ser. No. 363,355. WALTER M. WILLETT, San Francisco, Calif. Filed Apr. 1, 1935.

BANMOLA

For Liquid and Powder Insecticides.

Claims use since Jan. 14, 1935.

Ser. No. 363,391. H. TH. BÖHME AKTIENGESELLSCHAFT, Chemnitz, Germany. Filed Apr. 4, 1935.

Leïn

For Moistening Preparation, Thread and Fibre Protecting Preparations, Thread and Fibre Penetrating Preparations and Smoothing Preparations.

Claims use since Aug. 29, 1934.

Ser. No. 363,406. SAFETY FUMIGANT COMPANY, Boston, Mass. Filed Apr. 4, 1935.

SAFITE

For Insect and Bug Powder and Spray Solvent for Grease and Drain Pipe Waste Matter, and Ink and Stain Remover.

Claims use since Jan. 15, 1929.

Ser. No. 363,409. EDMOND SOUSSA, Paris, France. Filed Apr. 4, 1935.

"DYTOX"

For Hair Dye Remover, Hair Coloring Rinse, Hair Waving Solutions, and Hair Tonic.

Claims use since Nov. 26, 1934.

Ser. No. 363,411. TOBACCO-BELT BLUE MOLD COMPANY, Nashville, Ga. Filed Apr. 4, 1935.

BLUE DEVIL



For Insecticide and Spray Used to Spray Tobacco Plants and Other Plants to Combat Blue Mold and Destroy Insects.

Claims use since Mar. 4, 1935.

Ser. No. 363,431. CHARLES J. KENNEDY, doing business as The Julco Products Co., Phlte Plains, N. Y. Filed Apr. 5, 1935.

JULCO

For Liniment, Adapted to Be Used for the Treatment of Rheumatism, Sprains, Bruises, Weak Back, Stiff Joints, Swellings, Neuralgia, Sore Feet, Etc.
Claims use since Mar. 27, 1935.

Ser. No. 363,445. ZANDE COSMETIC CO., INC., New York, N. Y. Filed Apr. 5, 1935.

Zande

For Rouges.
Claims use since Nov. 1, 1934.

Ser. No. 363,802. EDSTEN PROCESS CORPORATION, New York, N. Y. Filed Apr. 16, 1935.

STROMBIN

For Tablets Containing Vitamins Useful as a General Tonic and for Dietetic Purposes.
Claims use since Aug. 29, 1934.

Ser. No. 363,882. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 17, 1935.

SANTOPHEN

For Insecticides, Germicides, Bactericides, Fungicides, and Disinfectants.
Claims use since Apr. 4, 1935.

Ser. No. 363,892. THE REMEDY COMPANY, INC., Cincinnati, Ohio. Filed Apr. 17, 1935.

KONKRBURN

For Preparation for the Treatment of Burns.
Claims use since Apr. 4, 1935.

Ser. No. 363,954. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed Apr. 18, 1935.

PARAMON

For Medicinal Product Which Acts as an Analgesic.
Claims use since Nov. 1, 1934.

Ser. No. 364,020. PURITAN COSMETICS, INC., St. Louis, Mo. Filed Apr. 20, 1935.

Brown Derby

For Bay Rum, Face Lotion, Antiseptic Lotion, Lilac Vegetal, Witch Hazel, Hair Tonic, Quinine, Quinine Hair Tonic, Hair Dressing, Toilet Water, Shampoo, Massage Cream, Talcum Powder, Face Powder, Lemon Cream, Almond Cream, and Perfume.
Claims use since November, 1934.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 363,429. HERBERT GORDON DYKE, doing business as The Guardsman Company, New York, N. Y. Filed Apr. 5, 1935.



The GUARDSMAN

For Ash Trays.
Claims use since Dec. 24, 1934.

CLASS 11

Inks and Inking Materials

Ser. No. 360,872. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J. Filed Jan. 31, 1935.

AMERICAN TYPE FOUNDERS SALES CORPORATION
SOLD BY
BRANCHES EVERYWHERE

The words "Sold by Branches Everywhere" are disclaimed apart from the mark.
For Printing Inks.
Claims use since Jan. 2, 1934.

CLASS 12

Construction Materials

Ser. No. 349,657. SANI-SETTING COMPOUND CORPORATION, New York, N. Y. Filed Apr. 6, 1934.



Trade-mark as used on the specimens is shown in the colors blue and orange. No claim is made to the representation of the container.
For Calking Compound.
Claims use since Mar. 1, 1933.

Ser. No. 361,052. PAUL M. HEERWAGEN, doing business as Heerwagen Acoustic Decoration Company, Fayetteville, Ark. Filed Feb. 5, 1935.

SYNTHETIC - EAR
Acousti-Fram
ACOUSTIC -DIAPHRAGM

The words "Acoustic-Diaphragm" are disclaimed apart from the other features of the mark.
For Acoustic Soundproof Wall Structures, Panels, Wall and Ceiling Boards and Equivalent Means Used in the Construction of Walls and Enclosures in a Manner to Render the Enclosures Substantially Reverberation-Proof.
Claims use since Sept. 1, 1934.

Ser. No. 363,353. KEARNEY & MATTISON COMPANY, Ambler, Pa. Filed Mar. 22, 1935.

Spraybestos

For Asbestos Product Supplied in Loose, Granulated, and Powdered Form for Insulating Purposes, Thermal Insulation, Hot and Cold Insulation, Fireproofing, and Sound Deadening.
Claims use since January, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 360,518. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa. Filed Jan. 22, 1935.

TIP-N-DRAIN

The words "Tip" and "Drain" are disclaimed apart from the balance of the mark.
For Base Metal Cooking Hollow Ware.
Claims use since Sept. 1, 1934.

Ser. No. 362,909. THE FIRMAN L. CARSWELL MANUFACTURING COMPANY, Kansas City, Kans. Filed Mar. 23, 1935.

NU ARCH

The words "Nu Arch" are disclaimed apart from the mark shown.
For Metal Culverts.
Claims use since Sept. 11, 1933.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 358,662. FIRTH STERLING STEEL COMPANY, McKeesport, Pa. Filed Nov. 26, 1934.

FIRTHELD

For Unfinished or Semi-Finished, Ferrous Castings and Forgings Adapted for Use as Casings for Parts of Machinery and Tools Used in the Metal, Wood, Stone, and Glass Industry.
Claims use since Nov. 19, 1934.

CLASS 15

Oils and Greases

Ser. No. 363,018. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 26, 1935.

SULTRAN

For Cutting Oils.
Claims use since July 1, 1930.

CLASS 16

Paints and Painters' Materials

Ser. No. 363,536. 4-IN-1 CHEMICAL COMPANY, Baltimore, Md. Filed Apr. 8, 1935.

4-IN-1

IT CLEANS POLISHES VARNISHES WAXES IN ONE APPLICATION

All wording except the term "4-in-1" is disclaimed apart from the mark.
For Paint-Varnish Color and Gloss Restorer.
Claims use since Feb. 1, 1934.

Ser. No. 363,597. NEOSIGN CORPORATION, New York, N. Y. Filed Apr. 10, 1935.

NEOSIGN

The word "Sign" is disclaimed apart from the mark.
For Paint for Coating Signs.
Claims use since Dec. 15, 1934.

Ser. No. 363,833. W. J. SUTCLIFFE CO., East Rutherford, N. J. Filed Apr. 16, 1935.

FLOZITE

For Paints in Ready-Mixed and Paste Form and Varnishes.
Claims use since Mar. 4, 1935.

CLASS 17

Tobacco Products

Ser. No. 363,510. THE MID-WEST TOBACCO CO., Cincinnati, Ohio. Filed Apr. 8, 1935.

PING PONG

For Chewing Tobacco and Smoking Tobacco.
Claims use since Mar. 1, 1935.

Ser. No. 363,511. THE MID-WEST TOBACCO CO., Cincinnati, Ohio. Filed Apr. 8, 1935.

SEVEN-UP

For Chewing Tobacco and Smoking Tobacco.
Claims use since Mar. 1, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 363,659. INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Apr. 12, 1935.

STATOTHERM

For Refrigerating Trucks.
Claims use since Oct. 25, 1932.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 355,505. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Aug. 27, 1934.

SPLIT-SECOND TUNING

No claim is made to the word "Tuning" apart from the mark.
For Radio Receiving Sets and Parts Thereof.
Claims use since Aug. 24, 1934.

Ser. No. 363,973. HYDE MANUFACTURING COMPANY, Southbridge, Mass. Filed Apr. 19, 1935.

HYD-SPD

For Straight and Circular Knife Blades for Use on Hand Tools and for Machinery.
Claims use since Apr. 16, 1935.

CLASS 22

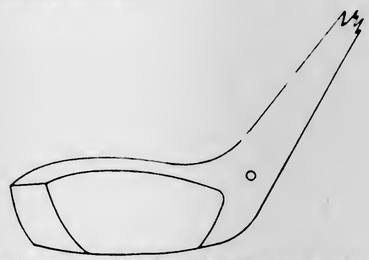
Games, Toys, and Sporting Goods

Ser. No. 341,005. ROBERT K. WARNER, doing business as the Campbell Specialty Co., West Haven, Conn. Filed Aug. 24, 1933.



For Holders, Boards or Trays Used in Duplicate Contract Whist and Other Like Card Games.
Claims use since May 25, 1933.

Ser. No. 347,708. KENNETH SMITH, Kansas City, Mo. Filed Feb. 23, 1934.



Trade mark consists of a silver-white dot in contrast to the color of the golf club head and located in opposed relation on each side of the heel or neck of the said head. The representation of the golf club head forms no part of applicant's mark.
For Golf Clubs.
Claims use since November, 1927.

Ser. No. 363,163. WILLIAM FAIRCHILD, Albany, N. Y. Filed Mar. 29, 1935.

TWISTF

For Ball and Track, Hand-Manipulated Amusement Device.
Claims use since January, 1935.

Ser. No. 363,618. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 11, 1935.

ROCKELITE

For Coin Controlled, Ball Projecting Amusement Device.
Claims use since Mar. 15, 1935.

Ser. No. 363,736. MAXWELL RUBBER PRODUCTS CORP., Newark, N. J. Filed Apr. 15, 1935.

SCENTOY

For Toy Rubber Imitation Bones, Rubber Balls and Rubber Rings for Dogs.
Claims use since Jan. 25, 1933.

Ser. No. 363,862. HERBERT E. JACKMAN, Rochester, N. Y. Filed Apr. 17, 1935.

KICK-OFF

For Parlor Football Game Played on a Checkered Surface with Movable Pieces Similar to Draughts.
Claims use since Apr. 16, 1935.

Ser. No. 363,901. SILENT SALESMAN COMPANY, INCORPORATED, Indianapolis, Ind. Filed Apr. 17, 1935.

LIGHTNING

For Guessing Game of Slogans with Answers Under Seal.
Claims use since Jan. 1, 1922.

Ser. No. 364,133. EUGENE GOLDBERGER, Brooklyn, N. Y. Filed Apr. 24, 1935.



For Dolls.
Claims use since Apr. 15, 1935.

Ser. No. 364,180. GENCO, INC., Chicago, Ill. Filed Apr. 25, 1935.

SCORE-A-LITE

For Coin Controlled Amusement Apparatus.
Claims use since Nov. 25, 1934.

Ser. No. 364,196. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Apr. 25, 1935.

GOLD-RUSH

For Coin Controlled Amusement Apparatus.
Claims use since Jan. 15, 1935.

Ser. No. 364,257. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, MASS. Filed Apr. 26, 1935.

CRUSADER

For Fishing Line.
Claims use since Feb. 2, 1931.

Ser. No. 364,258. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, Mass. Filed Apr. 26, 1935.

FORTUNA

For Fishing Line.
Claims use since July 22, 1932.

Ser. No. 364,259. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, Mass. Filed Apr. 26, 1935.

Land O'Lakes

For Fishing Lines.
Claims use since Apr. 2, 1932.

Ser. No. 364,261. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, Mass. Filed Apr. 26, 1935.

MASCOT

For Fishing Line.
Claims use since Mar. 3, 1925.

Ser. No. 364,262. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, Mass. Filed Apr. 26, 1935.

STRONG-HEART

For Fishing Line.
Claims use since May 15, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 359,151. SOCIETE ANONYME DES ETABLISSEMENTS VERMOREL, Villefranche, France. Filed Dec. 10, 1934. Under section 5b of the act of 1905 as amended in 1920.

VIVERMOREL A VILLEFRANCHE

For Machines and Apparatus Used in the Cultivation and Treatment of Vineyards, Flowers, Orchards, and Cereals, to wit: Soil Pulverizers, Pumps, Sprayers, Machines and Apparatus for Distributing Insecticides, Harrows, Cultivators, Seeders, Weeding Machinery, and Fruit Dryers.
Claims use since 1894.

Ser. No. 363,195. CHERRY-BURRELL CORPORATION, Wilmington, Del.; Chicago, Ill.; and Little Falls, N. Y. Filed Mar. 30, 1935.

SENTINEL

For Liquid Pasteurizers Equipped with Temperature Controls.
Claims use since May 2, 1933.

Ser. No. 363,361. ROGER W. CUTLER, Boston, Mass. Filed Apr. 3, 1935.

Everlastic

For Rolls, Aprons, Feed Tables, Cots, Covers, and Clearers for Textile Machinery.
Claims use since Jan. 9, 1934.

Ser. No. 363,936. JOSEPH A. MARTOCELLO, doing business as Jos. A. Martocello, & Co., Philadelphia, Pa. Filed Apr. 18, 1935.

AM

For Chippers, for Chipping Ice, Particularly Ice Cubes from a Block of Ice.
Claims use since Jan. 11, 1935.

Ser. No. 363,980. MECHANICAL ART WORKS, Newark, N. J. Filed Apr. 19, 1935.

HY-MARK

For Carpet Sweepers.
Claims use since Feb. 23, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 359,458. CONTINENTAL OPTICAL COMPANY, Indianapolis, Ind. Filed Dec. 19, 1934.

SAFE-SITE
SPLINTERLESS LENSES
Shield
YOUR EYES

No claim is made to the words "Splinterless Lenses", "Shield Your Eyes" or "Safe-Site" apart from the mark shown.
For Ophthalmic Lenses.
Claims use since Nov. 13, 1934.

Ser. No. 362,480. BENJAMIN J. MENDELSSOHN, New York, N. Y. Filed Mar. 13, 1935.

DELCA

For Cameras, Parts Thereof and Sensitized Photographic Papers, Plates, Films, Roll Films, Portrait Films, Studio Films, Plan Films, Pack Films, Radiofilms, Cinematographic Films, Developing Apparatus, Cinematographic Cameras, and Projectors.
Claims use since Feb. 1, 1935.

Ser. No. 363,971. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass. Filed Apr. 19, 1935.

LUBE-RAY

For Electrical Device for Testing Lubricating Oils.
Claims use since Mar. 18, 1935.

Ser. No. 364,005. FAIRCHILD AERIAL CAMERA CORPORATION, Woodside, Long Island, N. Y. Filed Apr. 20, 1935.

ROTOMATIC

For Drafting Machines.
Claims use since Mar. 18, 1935.

CLASS 27

Horological Instruments

Ser. No. 363,967. CENTA TRADING CORPORATION, New York, N. Y. Filed Apr. 19, 1935.

CRYSTAL-VUE

For Clocks, Clock Frames, and Clock Housings.
Claims use since Mar. 1, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 363,928. S. B. LAVICK CO., Chicago, Ill. Filed Apr. 18, 1935.

Swank

For Military Brush Sets of Leather, Military Brush Sets of Metal, Clothes Brushes, Brush and Shoe Cleaner Sets, Whisk Brooms, and Brush Sets of Wood and Metal.
Claims use since Apr. 5, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 363,632. J. MICHAELS, INC., Brooklyn, N. Y. Filed Apr. 11, 1935.

SUPER-KOLD

No claim is made to the word "Kold" apart from the mark and no claim is made to the representation of a name plate per se.
For Electric and Ice Household and Store Refrigerators for the Preservation of Foodstuffs.
Claims use since Apr. 2, 1935.

Ser. No. 363,662. THE KOCH BUTCHERS' SUPPLY CO., North Kansas City, Mo. Filed Apr. 12, 1935.

SELL-O-VISION

For Refrigerated Display Cases, Cooling Safes, and Refrigerators, for the Preservation of Foodstuffs.
Claims use since Jan. 3, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 361,350. ECLECTIC FURNITURE, THE NEW PERIOD IN FURNITURE, Newark, N. J. Filed Feb. 12, 1935.

The New Period in Furniture
ECLECTIC

No claim is made to the word "Furniture" apart from the mark shown.
For Household Furniture—Namely, Sofas, Chairs, Living Room Tables; Wooden Bed Room Suites, Including Bed, Chest of Drawers, Vanity, Dresser, Night Table, Bench, and Chair; and Kitchen Sets Made of Wood Consisting of a Table and Four Chairs.
Claims use since Nov. 14, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 362,190. DOROTHY G. SCHENCK, doing business as Top Notch Wick Company, New York, N. Y. Filed Mar. 6, 1935.

TOP NOTCH

For Oil Stove Wicks.
Claims use since June 13, 1934.

Ser. No. 363,685. BENJAMIN I. STAMM, New York, N. Y. Filed Apr. 12, 1935.

KRES-KNO

For Oil Burners and Parts Therefor.
Claims use since Jan. 8, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-Metallic Tires

Ser. No. 343,934. STANDARD MERCHANDISE CO., Chicago, Ill. Filed Nov. 21, 1933.

Speedway

For Piston Rings.
Claims use since Feb. 28, 1933.

CLASS 36

Musical Instruments and Supplies

Ser. No. 362,316. MUSICAL RESEARCH PRODUCTS, INC., Philadelphia, Pa., and Wilmington, Del. Filed Mar. 9, 1935.

VOX ORGANO

For Organs, both Reed and Pipe, of the Self-Playing or Manually-Played Type, and a Combination Reed or Pipe Organ, Loud Speaker, and Amplifying Unit for Indoors and Outdoors.
Claims use since Sept. 15, 1933.

CLASS 37

Paper and Stationery

Ser. No. 358,011. DANIELS MANUFACTURING COMPANY Rhinelander, Wis. Filed Nov. 8, 1934.

DAN·D·PAK

No claim is made to the word "Pak" apart from the mark shown.
For Printed Candy Wrappers, Meat Wrappers, Decorative Wrappings, Paper Napkins, and Toilet Paper.
Claims use since Aug. 27, 1934.

Ser. No. 362,548. SAMUEL H. MOSS, INC., New York, N. Y. Filed Mar. 15, 1935.

SAMUEL H. MOSS INC.
GOLD LABEL
INDEX

No claim is made to a label colored gold. The word "Index" is disclaimed apart from the mark as shown.
For Rubber Stamps.
Claims use since November, 1929.

Ser. No. 363,570. WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Apr. 9, 1935.



The drawing is lined for red. No claim is made to the words "It Sho Sticks!" apart from the mark as shown.
For Gummed Tape.
Claims use since Feb. 13, 1934.

Ser. No. 363,587. JAMES S. FREED, Newark, N. J. Filed Apr. 10, 1935.

IDEAL

For Mucilage Wells.
Claims use since 1902.

Ser. No. 363,969. A. B. DICK COMPANY, Chicago, Ill. Filed Apr. 19, 1935.

SEARITE

For Stencils and Stencil Paper.
Claims use since Dec. 19, 1934.

Ser. No. 364,035. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va. Filed Apr. 20, 1935.

COLORITE

For Gummed Papers and Gummed Cloth.
Claims use since Apr. 10, 1935.

CLASS 38

Prints and Publications

Ser. No. 362,432. MORRIS MUSIC COMPANY, Philadelphia, Pa. Filed Mar. 12, 1935.

YOUTH & BEAUTY

For Folios of Copyrighted Musical Compositions.
Claims use since June 1, 1910.

Ser. No. 363,528. HORATIO F. STOLL, San Francisco, Calif. Filed Apr. 8, 1935.

Wines & Vines

For Periodical.
Claims use since Jan. 10, 1935.

Ser. No. 363,975. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 19, 1935.

THE TOPPER TWINS

For Cartoons.
Claims use since Apr. 13, 1935.

CLASS 39

Clothing

Ser. No. 360,192. LA DORMANTE GARMENT COMPANY, St. Louis, Mo. Filed Jan. 12, 1935.

La Dormante

For Burial Negligee Garments for Women.
Claims use since Nov. 1, 1934.

Ser. No. 360,879. CHAPEAUX TARDY INC., New York, N. Y. Filed Jan. 31, 1935.

TARDY
CUSTOM HATTER

Chapeaux Tardy

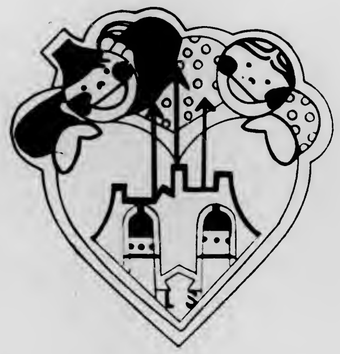
Applicant disclaims the expressions "Custom Hatter" and "Chapeaux" except as shown.
For Women's Coats and Men's Hats.
Claims use since Nov. 15, 1933.

Ser. No. 361,348. FRED W. SMALL, New York, N. Y. Filed Feb. 11, 1935.

CHERRY BLOSSOM CREPE

The word "Crepe" is disclaimed apart from the mark as shown.
For Women's Silk Undergarments—Namely, Slips, Chemises, Dance Sets, Gowns, Pajamas, Panties, Step-ins, and Bloomers.
Claims use since Feb. 1, 1931.

Ser. No. 362,110. HELEN M. FREEDMAN, New York, N. Y. Filed Mar. 4, 1935.



For Ladies' Garments, Specifically Dresses and Suits.
Claims use since Oct. 1, 1934.

Ser. No. 362,350. ISAAC COHEN & SONS CLOTHES CO. INC., New York, N. Y. Filed Mar. 11, 1935.

Fashion Parade
CLOTHES

Applicant disclaims the word "Clothes" apart from the mark as shown.
For Men's Clothing, Consisting of Men's Suits and Overcoats, and Excepting Hats and Caps.
Claim use since Jan. 1, 1935.

Ser. No. 362,435. THE PERRY KNITTING COMPANY, Perry, N. Y. Filed Mar. 12, 1935.

Look Spiffy !!!
SWEAT SHIRTS

No claim is made to the words "Sweat Shirts" apart from the mark shown.
For Sweatshirts.
Claims use since Feb. 18, 1935.

Ser. No. 362,534. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Mar. 14, 1935.

KREPETONE

For Ladies' Chemises, Princess Slips, Bloomers, Step-ins, and Nightgowns of a Textile Fabric.
Claims use since Jan. 5, 1933.

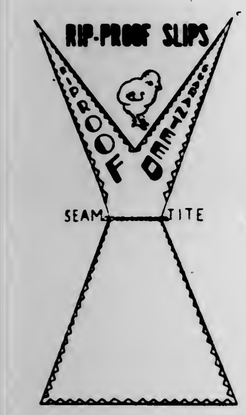
Ser. No. 362,587. NEW ENGLAND PANAMA HAT CO. INC., New York, N. Y. Filed Mar. 15, 1935.

The Hat of A Thousand Windows
COOL-AH
COOLER WITH THAN WITHOUT

UNBREAKABLE

The words "Hat", "Unbreakable", and "Cool" and the expression "Cooler With Than Without" are claimed only in connection with the other features of the mark.
For Men's and Women's Straw and Felt Hats.
Claims use since Nov. 15, 1934.

Ser. No. 362,780. HENRY GOLDMAN, doing business as Chic Lingerie Company, Los Angeles, Calif. Filed Mar. 20, 1935.



The wording is disclaimed apart from the mark as shown.
For Slips.
Claims use since Feb. 1, 1934.

Ser. No. 362,873. DAVID D. DONIGER & CO., New York, N. Y. Filed Mar. 22, 1935.



The drawing is lined for green.
For Sportswear—Namely, Bathing Trunks, Sweaters, and Sport Shirts.
Claims use since Jan. 17, 1935.

Ser. No. 363,116. MILLER-JONES COMPANY, Columbus, Ohio. Filed Mar. 28, 1935.

Mijo

For Hosiery.
Claims use since Feb. 20, 1935.

Ser. No. 363,279. J. FREEZER & SON, INC., New York, N. Y. Filed Apr. 1, 1935.

Dunwood

For Men's Dress, Negligee, and Work Shirts.
Claims use since Mar. 15, 1935.

Ser. No. 363,300. STETTHEIMER-HALSMAN CO., San Francisco, Calif. Filed Apr. 1, 1935.

STRAPEZE

For Shorts for Men, Women, and Children.
Claims use since Mar. 15, 1935.

Ser. No. 363,381. BERGER HOSIERY COMPANY, INCORPORATED, Philadelphia, Pa. Filed Apr. 4, 1935.

"Under-Pretties"

For Ladies' and Children's Panties, Slips, Chemises, and Petticoats.
Claims use since Feb. 1, 1935.

Ser. No. 363,491. D'AMOUR FOUNDATIONS, INC., New York, N. Y. Filed Apr. 8, 1935.

TU-A-POINT

For Brassieres, Corsets, Underwear for Women of Textile Material, Girdles, Bandeaux, and Foundation Garments.
Claims use since September, 1933.

Ser. No. 363,569. WOLFF & LANG, INC., New York, N. Y. Filed Apr. 9, 1935.

Fortuna

For Girdles, Corsets, and Brassieres.
Claims use since Mar 18, 1935.

Ser. No. 363,629. JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 11, 1935.

WIN-BARS

For Gloves Made of Leather or Fabric or Combinations Thereof.
Claims use since Feb. 20, 1935.

Ser. No. 363,634. NEW ERA SHIRT COMPANY, St. Louis, Mo. Filed Apr. 11, 1935.

STA-FLEX

For Work, Negligee, and Dress Shirts.
Claims use since Jan. 1, 1935.

Ser. No. 363,655. GALAX KNITTING COMPANY, INCORPORATED, Galax, Va. Filed Apr. 12, 1935.

LITTLE LORD GRAY

For Boys' Hosiery.
Claims use since Sept. 1, 1934.

Ser. No. 363,656. GALAX KNITTING COMPANY, INCORPORATED, Galax, Va. Filed Apr. 12, 1935.

LORD GRAY

For Men's Hosiery.
Claims use since Sept. 1, 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 360,586. FINLER BROS., INC., Chicago, Ill. Filed Jan. 23, 1935.

Wonder Art

No claim is made to the word "Art" apart from the mark shown.
For Stamped Pieces for Embroidery and Burlap Hook Rug Patterns.
Claims use since Jan. 1, 1931.

Ser. No. 363,334. THE NARROW FABRIC COMPANY, Reading, Pa. Filed Apr. 2, 1935.

GOLD MARK

For Elastic Braids.
Claims use since Mar. 21, 1935.

Ser. No. 363,335. THE NARROW FABRIC COMPANY, Reading, Pa. Filed Apr. 2, 1935.

GOLD STRIPE

For Elastic Braids.
Claims use since Mar. 21, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 362,930. SIMPSON & GODLEE, LIMITED, Manchester, England. Filed Mar. 23, 1935.

JUDY

For Cotton Piece Goods and Piece Goods Composed Wholly or Principally of Artificial Silk.
Claims use since Nov. 3, 1931.

Ser. No. 363,024. J. L. WALTHER FABRICS, INC., New York, N. Y. Filed Mar. 26, 1935.

PURLĀ

For Woolen Piece Goods.
Claims use since Mar. 5, 1935.

Ser. No. 363,160. CROWN FABRICS CORPORATION, New York, N. Y. Filed Mar. 29, 1935.

Pompadour

For Cotton, Silk, and Rayon Fabrics in the Piece.
Claims use since Dec. 1, 1933.

CLASS 43

Thread and Yarn

Ser. No. 362,817. FRANKLIN RAYON CORPORATION, Providence, R. I. Filed Mar. 21, 1935.

STREAMLINE

For Dyed Thread and Yarn Put Up for Sale in Cops, Tubes, and Packages.
Claims use since Feb. 28, 1935.

Ser. No. 362,993. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 26, 1935.

CELAHAIR

For Yarns.
Claims use since Mar. 21, 1935.

Ser. No. 363,583. THE CLARK THREAD COMPANY, Newark, N. J. Filed Apr. 10, 1935.

PASTIME

For Thread and Yarn.
Claims use since Aug. 14, 1933.

Ser. No. 363,888. NEW YORK KNITTING MILLS, INC., New York, N. Y. Filed Apr. 17, 1935.

Valcuna

For Yarn Made of a Mixture of Wool and Animal Hair.
Claims use since Oct. 10, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 358,158. SONOTONE CORPORATION, New York, N. Y. Filed Nov. 12, 1934.

SONOTONE

For Hearing Aid Devices and Acoustic Elements and Accessories Thereof, Such as Sound Transmitters, Telephone Receivers, Hearing-Inducing Bone Oscillators, and Electric Sound Amplifiers.
Claims use since Sept. 20, 1929.

Ser. No. 362,907. ABRAM S. BOHM, doing business as Cincinnati Scientific Company, Cincinnati, Ohio, assignor to Cincinnati Scientific Company, Cincinnati, Ohio, a corporation. Filed Mar. 23, 1935.

PAVAEX

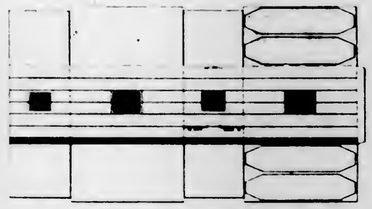
For Passive Exercisers.
Claims use since Feb. 11, 1934.

Ser. No. 363,025. J. P. FISCHER, INC., New York, N. Y. Filed Mar. 25, 1935.

THE "FISCHER INSULAIR" HAIR DRYER

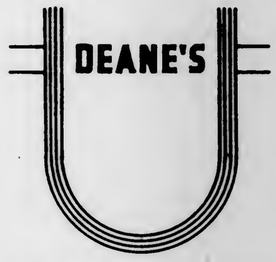
Applicant disclaims the right to the words "Hair Dryer" except as shown in the drawing.
For Electrical Hair Dryers.
Claims use since Feb. 10, 1935.

Ser. No. 363,039. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Mar. 27, 1935.



Applicant disclaims the words "One Dozen", "To Open Press In", and "Made By" apart from the mark and the representation of a carton per se.
For Sanitary Napkins.
Claims use since Feb. 1, 1935.

Ser. No. 363,208. THE DEANE PLASTER COMPANY, Yonkers, N. Y. Filed Mar. 30, 1935.



For Surgical Dressings, Absorbent Cottons, and Gauzes; Plain and Adhesive Bandages, and Adhesive Plasters.
Claims use since October, 1934.

Ser. No. 363,403. O. S. I. ORTHOPEDIC LABORATORY INC., New York, N. Y. Filed Apr. 4, 1935.

ORTHIPAD

For Metatarsal Supports.
Claims use since Mar. 18, 1935.

Ser. No. 363,661. HENRY L. KAUFMANN, doing business as Henry L. Kaufmann & Co., Boston, Mass. Filed Apr. 12, 1935.

EXEL-A-TEX

For Hospital Supplies—Namely, Rubberized Sheeting for Surgical and Medical Purposes, and Articles Made Therefrom—Namely, Mattress Covers, Pillow Slips, and Oxygen Tents.
Claims use since Mar. 11, 1935.

Ser. No. 363,707. DUART MANUFACTURING COMPANY, LTD., San Francisco, Calif. Filed Apr. 13, 1935.

PYRO-MIST

For Permanent Hair Waving Machine.
Claims use since Mar. 15, 1935.

Ser. No. 364,217. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Apr. 26, 1935.

D'ESAY

For Sanitary Napkins.
Claims use since Feb. 15, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 359,594. R. E. REID, Seattle, Wash. Filed Dec. 22, 1934.

CAL-O-DINE

For Natural Mineral Waters.
Claims use since June 9, 1934.

Ser. No. 363,395. LOUISE KUPERNA, doing business as Ellenkay Products Co., Chicago, Ill. Filed Apr. 4, 1935.

Ellen-Ade

For Maltless Powders and Syrups Used for Making Soft Drinks.
Claims use since May 1, 1933.

CLASS 46

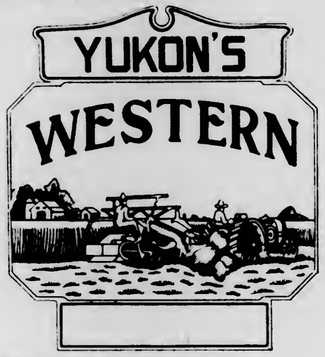
Foods and Ingredients of Foods

Ser. No. 348,892. PROSPECT ISLAND FARMING COMPANY, San Francisco, Calif. Filed Mar. 20, 1934.

RIOLAND

For Fresh Vegetables.
Claims use since Feb. 9, 1934.

Ser. No. 357,034. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Filed Oct. 11, 1934.



For Wheat Flour and Self-Rising Flour.
Claims use since January, 1909.

Ser. No. 357,036. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Filed Oct. 11, 1934.



For Wheat Flour.
Claims use since January, 1909.

Ser. No. 357,393. RICHARDSON FARMS, Hicksville, Ohio. Filed Oct. 22, 1934.

"RockO Honey"

For Cantaloupes.
Claims use since Sept. 5, 1933.

Ser. No. 358,150. PHILLIPS MILLING COMPANY, San Francisco, Calif. Filed Nov. 12, 1934.



For Rice and Wheat Flour.
Claims use since Mar. 1, 1934.

Ser. No. 359,569. THE BORDEN SALES COMPANY, INC., New York, N. Y. Filed Dec. 22, 1934.



Applicant makes no claim to the words "Turkey" and "Extra Fancy Turkeys", nor to the representation of a turkey apart from the mark as shown.
For Dressed Turkeys.
Claims use since Nov. 14, 1934.

Ser. No. 359,726. E. & A. OPLER, INC., Chicago, Ill. Filed Dec. 29, 1934.

BEACON



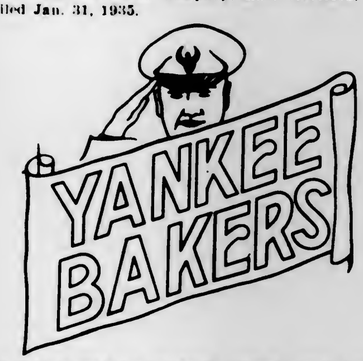
For Cocoa and Chocolate.
Claims use since 1918.

Ser. No. 360,825. KERR'S BUTTER SCOTCH, INC., Brooklyn, N. Y. Filed Jan. 29, 1935.



No claim is made to the representation of a carton or any wording except "Kerr's", "Robert Burns" and applicant's name apart from the marks. The likeness shown is that of Robert Burns, Scotch poet of the eighteenth century.
For Candy.
Claims use since Nov. 5, 1934.

Ser. No. 360,919. WETSTONE TOBACCO COMPANY, doing business as Wetstone Company, East Hartford, Conn. Filed Jan. 31, 1935.



No claim is made to the word "Bakers" apart from the mark as shown.
For Potatoes.
Claims use since Oct. 30, 1933.

Ser. No. 361,772. PURE MILK DAIRY PRODUCTS, INC., Elgin, Ill. Filed Feb. 23, 1935.



The term "Rich" is disclaimed apart from the mark as shown.
For Cheese.
Claims use since Sept. 28, 1934.

Ser. No. 361,774. PURE MILK DAIRY PRODUCTS, INC., Elgin, Ill. Filed Feb. 23, 1935.



Applicant disclaims the term "Tang" apart from the mark as shown.
For Cheese.
Claims use since Nov. 1, 1934.

Ser. No. 361,883. GOLD BRAND CONFECTIONERY, INC., doing business as Betty Alden Chocolate Co., Boston, Mass. Filed Feb. 27, 1935.



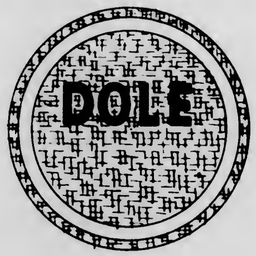
Trade-mark is a facsimile of the name "Betty Alden" as written by an officer of applicant corporation. The picture is fanciful.
For Candy.
Claims use since Jan. 31, 1935.

Ser. No. 362,308. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Mar. 9, 1935.



The drawing is lined for blue and green. No claim is made to the representation of a label.
For Canned Fruits, Canned Fruit Juices for Food Purposes.
Claims use since June 23, 1934.

Ser. No. 362,309. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Mar. 9, 1935.



The drawing is lined for gold.
For Canned Fruits, Canned Fruit Juices for Food Purposes.
Claims use since Sept. 24, 1930.

Ser. No. 362,538. STANARD-TILTON MILLING CO., Alton, Ill. Filed Mar. 14, 1935.

GRADUATE

For Flour Milled from Wheat.
Claims use since Aug. 28, 1934.

Ser. No. 362,556. FRANK W. BROWN, Jr., doing business as Brown Candy Company, Richmond, Va. Filed Mar. 15, 1935.

When Your Sweet Tooth
Wants Candy:
Your Wisdom Tooth
Says: Brown's!

No claim is made to the words "Candy" and "Brown's!" apart from the mark.
For Candy.
Claims use since Feb. 1, 1935.

Ser. No. 362,710. WALTER RITTENHOUSE, doing business as Veg-O-Phyll Co., San Diego, Calif. Filed Mar. 18, 1935.

GAR-LIK-WID

Disclaimer is made to the term "Gar-Lik" apart from the mark as shown.
For Flavoring Extract for Food Purposes.
Claims use since Feb. 1, 1935.

Ser. No. 362,711. WALTER RITTENHOUSE, doing business as Veg-O-Phyll Co., San Diego, Calif. Filed Mar. 18, 1935.

VEG-O-PHYLL

For Vegetable Concentrate Flour.
Claims use since Feb. 1, 1935.

Ser. No. 362,735. THE BROADWAY CREAMERY, Denver, Colo. Filed Mar. 19, 1935.

LUXURY

For Ice Cream and Ice Cream Mix in Liquid Form.
Claims use since July, 1931.

Ser. No. 362,736. THE BROADWAY CREAMERY, Denver, Colo. Filed Mar. 19, 1935.

TEMPTATION

For Ice Cream and Ice Cream Mix in Liquid Form.
Claims use since July, 1931.

Ser. No. 362,858. LIBERTY OIL COMPANY, Des Moines, Iowa. Filed Mar. 23, 1935.

LIFE GUARD

For Animal Feed.
Claims use since Sept. 1, 1922.

Ser. No. 363,066. ROSS PACKING CO., INC., Selah, Wash. Filed Mar. 27, 1935.

ROVAN

For Dried Fruits.
Claims use since September 1934.

Ser. No. 364,070. PERIL STRAITS PACKING CO., Seattle, Wash. Filed Apr. 22, 1935.

Seaketch

For Canned Salmon.
Claims use since June 13, 1912.

Ser. No. 364,092. THE DAYTON SPICE MILLS COMPANY, Dayton, Ohio. Filed Apr. 23, 1935.

Southmoor

For Coffee.
Claims use since Jan. 9, 1935.

Ser. No. 364,122. C. M. AKITA, Brawley, Calif. Filed Apr. 24, 1935.

PICK'EM RITE

For Melons and Fresh Vegetables.
Claims use since May 1, 1934.

Ser. No. 364,185. C. H. LEAVELL, Washington, D. C. Filed Apr. 25, 1935.

SMITHFIELD MINCELETTES

No claim is made to the word "Smithfield" apart from the mark.
For Minced Smithfield Ham.
Claims use since Feb. 8, 1934.

CLASS 47

Wines

Ser. No. 357,720. JOSE MARIA DE HOYOS Y VINENT, doing business as Sanchez Romate Hnos., Jerez de la Frontera, Spain. Filed Oct. 31, 1934.

N. P. U.

For Wine.
Claims use since 1914.

Ser. No. 362,862. ASTURR TRADING COMPANY, INC., New York, N. Y. Filed Mar. 22, 1935.

ASTURR

For Wine and Alcoholic Cider.
Claims use since Mar. 21, 1935.

Ser. No. 363,017. GUS SCLAFANI, Stamford, Conn. Filed Mar. 26, 1935.



The portrait is fanciful.
For Wines.
Claims use since Dec. 5, 1933.

Ser. No. 363,512. MOUNT TIVY WINERY, INC., Fresno, Calif. Filed Apr. 8, 1935.

MOUNT TIVY

For Wines.
Claims use since Dec. 7, 1934.

Ser. No. 363,673. ERCOLE LAURENCE SOZZI, Scarsdale, N. Y. Filed Apr. 12, 1935.

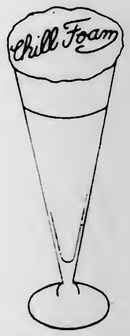
Marvo

For Sherry Wine and Egg Yolk.
Claims use since Jan. 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 360,700. CHILL FOAM CORPORATION OF AMERICA, Detroit, Mich. Filed Jan. 26, 1935.



No claim is made to the word "Chill" apart from the mark.
For Beer Clarifier and Foam Retainer.
Claims use since Jan. 24, 1935.

Ser. No. 362,585. LIEBERT & OBERT, Philadelphia, Pa. Filed Mar. 15, 1935.



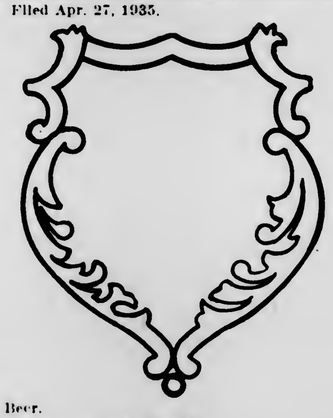
For Beer—Namely, Lager Beer, Bock Beer, Light Beer, Porter, and Ale.
Claims use since June 15, 1933.

Ser. No. 364,227. THE CLIFFSIDE BREWING COMPANY, Cincinnati, Ohio. Filed Apr. 26, 1935.



Applicant disclaims the words "Aged in the Hills" except in the connection shown.
For Beer.
Claims use since Dec. 17, 1934.

Ser. No. 364,276. COLUMBIA BREWING COMPANY, St. Louis, Mo. Filed Apr. 27, 1935.



For Beer.
Claims use since Aug. 25, 1905.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 345,139. TRINIDAD IMPORT & EXPORT CO. LTD., Port of Spain, Trinidad, B. W. I. Filed Dec. 20, 1933.



For Rum.
Claims use since Aug. 12, 1932.

Ser. No. 349,473. MIGUEL LOPEZ, S. EN C., Caibarien City, Cuba. Filed Apr. 3, 1934.

TANGO

For Rum.
Claims use since March, 1933.

Ser. No. 349,559. COMPAÑIA CUBANA DE LICORES, S. A., Manzanillo, Cuba. Filed Apr. 5, 1934.



No claim is made to the word "Ron".
For Rum.
Claims use since March, 1927.

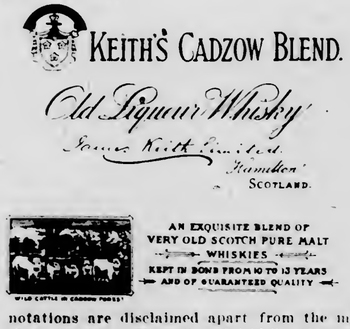
Ser. No. 353,957. THREE G DISTILLERY CORP., Burbank, Calif. Filed July 16, 1934.



SANDY McFEE

Applicant disclaims any claim to the name apart from the mark shown.
For Whiskey.
Claims use since June 1, 1934.

Ser. No. 357,671. JAMES KEITH LTD., Hamilton, England. Filed Oct. 30, 1934.



All notations are disclaimed apart from the mark except "Sola Nobilitat Virtus", "Keith's", "James Keith Limited", and "Wild Cattle Forest".
For Scotch Whisky.
Claims use since Jan. 15, 1912.

Ser. No. 358,494. PARAMOUNT DISTILLING CORP., Chicago, Ill. Filed Nov. 21, 1934.

OLD Raleigh

The portrait is that of Sir Walter Raleigh.
For Whiskey and Gin.
Claims use since May 29, 1934.

Ser. No. 359,128. GEORGE GRANT, doing business as J. & G. Grant, Speyside, Scotland. Filed Dec. 10, 1934.

GLENFARCLAS
PURE MALT WHISKY



J. & G. GRANT, DISTILLERS,
GLENFARCLAS-GLENLIVET DISTILLERY
SPEYSIDE, BANFFSHIRE, SCOTLAND.
PRODUCT OF SCOTLAND.

The words "Pure Malt Whisky", "Distillers", "Speyside, Banffshire, Scotland", and "Product of Scotland," are disclaimed apart from the mark.
For Whisky.
Claims use since Aug. 3, 1934.

Ser. No. 359,323. J. SIMON & SONS, INC., St. Louis, Mo. Filed Dec. 14, 1934. Under 10-year proviso.

SPRING BROOK

For Whiskey.
Claims use since 1892.

Ser. No. 359,601. UNION DISTILLERIES COMPANY, Detroit, Mich. Filed Dec. 22, 1934.

COCKTAIL BAR

For Whisky, Brandy, Gin, Rum, and Cordials.
Claims use since Dec. 5, 1934.

Ser. No. 359,913. THE HAMBURGER COMPANY, Chicago, Ill. Filed Jan. 4, 1935.

Devil Cock Gin Liqueur



Applicant disclaims the words "Gin" and "Liqueur".
For Gin.
Claims use since Dec. 20, 1934.

Ser. No. 361,651. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y. Filed Feb. 20, 1935.

ROAMER

For Gin, Whiskey, Rum, Brandy, and Alcoholic Cordials.
Claims use since June, 1914.

Ser. No. 361,859. HIRAM WALKER & SONS, INC., Peoria Ill. Filed Feb. 26, 1935.



No claim is made to the words "Trade Mark" apart from the mark. The drawing is lined for red.
For Whiskey.
Claims use since Feb. 12, 1935.

Ser. No. 361,861. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Feb. 26, 1935.



No claim is made to the words "Trade Mark" apart from the mark. The drawing is lined for red.
For Whiskey.
Claims use since Feb. 12, 1935.

Ser. No. 362,235. OLD JORDAN—OLD '76 DISTILLERY CO., Covington, Ky. Filed Mar. 7, 1935.

Old '76

For Distilled and Potable Alcoholic Beverages—viz, Whisky, Gin, Rock and Rye, and Cordials.
Claims use since 1868.

Ser. No. 362,323. HARRY F. RATHJEN, doing business as Rathjen Mercantile Co., San Francisco, Calif. Filed Mar. 9, 1935. Under 10-year proviso.

The Old Government

For Whiskey.
Claims use since 1863.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 361,998. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Feb. 28, 1935.

SYLPHGRASS

For Non-Fibrous Flexible Material in the Form of Narrow Bands or Shreds, Crinkled or Smooth, Colored or Uncolored, Embossed or Plain, in the Nature of Artificial Grass.
Claims use since Feb. 25, 1935.

Ser. No. 363,607. THE WHITEHEAD & HOAG CO., Newark, N. J. Filed Apr. 10, 1935.

CELLUTITE

For Tops for Bottles, Jars, and Other Open-Mouth Containers.
Claims use since Mar. 20, 1935.

Ser. No. 363,615. ACME BACKING CORPORATION, Brooklyn, N. Y. Filed Apr. 11, 1935.

PERMABAK

For Impregnated Fabric Reinforcing Material Employed in the Manufacture of Laminated Fabrics and as a Backing Material.
Claims use since Apr. 2, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 4, 1935

324,781. STOPPERS, DISCS AND JOINTS MADE OF CORK FOR BOTTLES AND CONTAINERS OF ALL KINDS. RAMIRO BOFILL BRUGUERA, Palafrugell, Spain.
Filed August 3, 1934. Serial No. 354,596. PUBLISHED MARCH 26, 1935. Class 50.

324,782. BASEBALL SCORE GAME PLAYED WITH NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,545. PUBLISHED MARCH 26, 1935. Class 22.

324,783. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,542. PUBLISHED MARCH 26, 1935. Class 22.

324,784. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,540. PUBLISHED MARCH 26, 1935. Class 22.

324,785. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,539. PUBLISHED MARCH 26, 1935. Class 22.

324,786. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,538. PUBLISHED MARCH 26, 1935. Class 22.

324,787. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,536. PUBLISHED MARCH 26, 1935. Class 22.

324,788. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,535. PUBLISHED MARCH 26, 1935. Class 22.

324,789. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,534. PUBLISHED MARCH 26, 1935. Class 22.

324,790. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,533. PUBLISHED MARCH 26, 1935. Class 22.

324,791. CANNED PEAS. SAN JUAN ISLANDS CANNERY, Friday Harbor, Wash.
Filed July 30, 1934. Serial No. 354,450. PUBLISHED MARCH 26, 1935. Class 46.

324,792. WHISKEY. MARYLAND-PIKESVILLE DISTILLERY, INC., Baltimore, Md.
Filed July 19, 1934. Serial No. 354,090. PUBLISHED MARCH 26, 1935. Class 49.

324,793. METAL SHOE LASTS AND SHOE LAST BLANKS. SIDNEY KUBLAN, New York, N. Y.
Filed July 7, 1934. Serial No. 353,610. PUBLISHED MARCH 26, 1935. Class 50.

324,794. SKIN LOTION, COLD CREAM, FACE CREAM, PERFUME DEODORANT, NAIL POLISH, NOSE DROPS, MEDICINAL PREPARATIONS FOR TREATING COMMON COLDS, FACE POWDER, EYE LOTION AND THE LIKE. ELNA D. OPENSHAW, doing business as Anna Lee Laboratories, Los Angeles, Calif., and Salt Lake City, Utah.
Filed June 29, 1934. Serial No. 353,349. PUBLISHED MARCH 19, 1935. Class 6.

324,795. COLD CREAM, VANISHING CREAM, MASSAGE CREAM, FACIAL LOTIONS FOR AFTER SHAVING, VEGETAL TOILET WATER, HAIR DRESSINGS OTHER THAN POMADES, AND HAIR TONICS. VIVINY PERFUMERS, INC., West Haven, Conn.
Filed June 20, 1934. Serial No. 352,937. PUBLISHED AUGUST 21, 1934. Class 6.

324,796. DRY GRANULATED MALT AND COCOA FOOD BEVERAGE PREPARATION. HEYMAN PROCESS CORPORATION, New York, N. Y.
Filed June 13, 1934. Serial No. 352,642. PUBLISHED MARCH 26, 1935. Class 46.

324,797. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. NARRAGANSETT BREWING COMPANY, Cranston, R. I.
Filed May 21, 1934. Serial No. 351,641. PUBLISHED DECEMBER 11, 1934. Class 48.

324,798. FURNITURE, NAMELY, TABLES, BRIDGE TABLES, FOLDING TABLES, DRESSING TABLES, END TABLES, SEWING TABLES; DINING ROOM, LIVING ROOM, BED ROOM, KITCHEN, AND PORCH CHAIRS; FOLDING CHAIRS, STOOLS, ETC. SAMUEL SCHLOSSMAN SONS, INC., New York, N. Y.
Filed May 14, 1934. Serial No. 351,333. PUBLISHED SEPTEMBER 18, 1934. Class 32.

324,799. FOOT OINTMENT FOR TREATING ATHLETE'S FOOT, ECZEMA, AND RINGWORM. KENNETH E. BURTT, doing business as K. E. Burtt & Co., Chicago, Ill.
Filed May 12, 1934. Serial No. 351,253. PUBLISHED MARCH 19, 1935. Class 6.

324,800. COAL STOKERS FOR FURNACES AND PARTICULARLY DOMESTIC FURNACES. JOHN L. PIPE, doing business as Thermo-trol Stoker Company, Quincy, Ill.
Filed August 20, 1934. Serial No. 355,234. PUBLISHED MARCH 26, 1935. Class 34.

324,801. CREAM OR OINTMENT TO STIMULATE THE GROWTH OF THE HAIR AND AVOID BALDNESS. ISABEL MEZQUIDA, San Juan, P. R.
Filed August 14, 1934. Serial No. 355,084. PUBLISHED MARCH 26, 1935. Class 6.

324,802. WAXED PAPER. AUTOMATIC PAPER MACHINERY COMPANY, INC., Hoboken, N. J.
Filed August 15, 1934. Serial No. 355,008. PUBLISHED MARCH 26, 1935. Class 37.

324,803. BREAD. THOMAS W. WOODWORTH, doing business as Becker's Bakery, Spartanburg, S. C.
Filed August 13, 1934. Serial No. 354,968. PUBLISHED MARCH 26, 1935. Class 46.

324,804. COFFEE. CARL R. YOUNG, Bristol, Tenn.
Filed August 7, 1934. Serial No. 354,740. PUBLISHED MARCH 26, 1935. Class 46.

324,805. WHEAT FLOUR. STATESVILLE FLOUR MILLS COMPANY, Statesville, N. C.
Filed April 23, 1934. Serial No. 350,402. PUBLISHED MARCH 26, 1935. Class 46.

324,806. COGNACS, ALCOHOLIC CORDIALS, WHISKY, BRANDY, AND GIN. J. CALVET & CIE., S. A. R. L., Bordeaux, France.
Filed April 19, 1934. Serial No. 350,176. PUBLISHED MARCH 26, 1935. Class 49.

324,807. WHISKEY. MARYLAND DISTILLERY, INCORPORATED, Relay, Md.
Filed April 16, 1934. Serial No. 350,043. PUBLISHED MAY 22, 1934. Class 49.

324,808. GIN. THE JOHN HEIDSIK COMPANY, Barberton, Ohio.
Filed March 24, 1934. Serial No. 349,086. PUBLISHED JULY 3, 1934. Class 49.

324,809. MEDICINAL PREPARATION FOR THE TREATMENT OF EPILEPSY AND DROPSY. GEORGE G. REPASE, Philadelphia, Pa.
Filed November 27, 1934. Serial No. 358,701. PUBLISHED MARCH 19, 1935. Class 6.

324,810. ACCORDIONS, ALSO MOUTH HARMONICAS, CLARIONETS, SAXOPHONES, OBOES, BASSOONS, FLUTES, PICCOLOS, CORNETS, TRUMPETS, ALTO HORNS, SLIDE TROMBONES, BASS HORNS, TENOR HORNS, AND SOUSAPHONES. BUEGELEISEN & JACOBSON, New York, N. Y.
Filed November 27, 1934. Serial No. 358,669. PUBLISHED MARCH 26, 1935. Class 36.

324,811. CLEANER FOR ENAMEL AND PORCELAIN. GEORGE A. PAWLEY, doing business as Pawley Chemical Co., Cohoes, N. Y.
Filed November 26, 1934. Serial No. 358,650. PUBLISHED MARCH 26, 1935. Class 4.

324,812. LIVER PILLS. CARTER MEDICINE COMPANY, New York, N. Y.
Filed November 23, 1934. Serial No. 358,548. PUBLISHED MARCH 19, 1935. Class 6.

324,813. LOTIONS AND COSMETICS USED FOR MASSAGES. SELIGMAN & LATZ, New York, N. Y.
Filed November 22, 1934. Serial No. 358,530. PUBLISHED MARCH 19, 1935. Class 6.

324,814. BAKING POWDER; CANNED FRUITS—NAMELY, APRICOTS, BLACKBERRIES, RED RASPBERRIES, LOGANBERRIES, STRAWBERRIES, CHERRIES, FRUIT FOR SALAD, PEACHES, PEARS, PINEAPPLE, ETC. SIMON BROS. CO., INC., Madison, Wis.
Filed November 19, 1934. Serial No. 358,390. PUBLISHED MARCH 26, 1935. Class 46.

324,815. LEAD OXIDE FOR USE IN BATTERY PASTE. METALS REFINING COMPANY, Hammond, Ind.
Filed November 19, 1934. Serial No. 358,379. PUBLISHED MARCH 19, 1935. Class 6.

324,816. CHOCOLATE FLAVORED SYRUP USED IN FLAVORING MILK, WHETHER WHOLE OR SKIM MILK. BOWEY'S, INC., Chicago, Ill.
Filed November 19, 1934. Serial No. 358,354. PUBLISHED MARCH 26, 1935. Class 46.

324,817. WHISKY. WILLIAM STEIN, doing business as Family Liquor Store, Washington, D. C.
Filed November 16, 1934. Serial No. 358,298. PUBLISHED MARCH 26, 1935. Class 49.

324,818. ICE CREAM PAILS OF CARDBOARD. BLOOMER BROS. COMPANY, Newark, N. Y.
Filed November 9, 1934. Serial No. 358,039. PUBLISHED MARCH 26, 1935. Class 2.

324,819. HAARLEM OIL, BEING A MEDICINAL OIL. NAAMLOOZE VENNOOTSCHAP MAATSCHAPPIJ TOT VOORTZETTING DER ZAKEN GEDREVEN ONDER DEN NAAM KLAAS TILLY, Haarlem, Netherlands.
Filed November 8, 1934. Serial No. 358,023. PUBLISHED MARCH 26, 1935. Class 6.

324,820. CORDIALS. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES, SOCIÉTÉ ANONYME, Paris, France.
Filed November 7, 1934. Serial No. 357,981. PUBLISHED MARCH 26, 1935. Class 49.

324,821. CORDIALS. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES, SOCIÉTÉ ANONYME, Paris, France.
Filed November 7, 1934. Serial No. 357,980. PUBLISHED MARCH 26, 1935. Class 49.

324,822. WHISKEY AND GIN. WEST PENN DISTILLING COMPANY INC., New Kensington, Pa.
Filed November 5, 1934. Serial No. 357,932. PUBLISHED MARCH 26, 1935. Class 49.

324,823. FRESH BOXED CITRUS FRUITS. PROGRESO TEXAS CITRUS GROWERS' ASSOCIATION, Progreso, Tex.
Filed October 20, 1934. Serial No. 357,351. PUBLISHED MARCH 26, 1935. Class 46.

324,824. FRESH BOXED AND CANNED CITRUS FRUITS AND VEGETABLES AND CANNED CITRUS FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES. PROGRESO TEXAS CITRUS GROWERS' ASSOCIATION, Progreso, Tex.
Filed October 20, 1934. Serial No. 357,350. PUBLISHED MARCH 26, 1935. Class 46.

324,825. COTTON PIECE GOODS, PILLOW CASES, AND SHEETS. WAMSUTTA MILLS, New Bedford, Mass.
Filed September 20, 1934. Serial No. 356,240. PUBLISHED MARCH 26, 1935. Class 42.

324,826. FLUID MILK, CREAM, AND BUTTERMILK. MEYER SANITARY MILK COMPANY, Kansas City, Kans.
Filed September 18, 1934. Serial No. 356,150. PUBLISHED MARCH 26, 1935. Class 46.

324,827. WHISKEY. EDWARD SIMPSON & CO. (DISTILLERS) LIMITED, doing business as Ian Grant & Co., London, England.
Filed September 12, 1934. Serial No. 355,986. PUBLISHED MARCH 26, 1935. Class 49.

324,828. MEDICINAL PREPARATION FOR ATHLETE'S FOOT. TEE-PEE CHEMICAL COMPANY, Durham, N. C.
Filed August 31, 1934. Serial No. 355,694. PUBLISHED MARCH 26, 1935. Class 6.

324,829. CONCENTRATED MINERAL WATER CRYSTALS. HORACE I. TROUT, doing business as Dri-Water Company, Mineral Wells, Tex.
Filed August 31, 1934. Serial No. 355,602. PUBLISHED MARCH 26, 1935. Class 6.

324,830. DUSTING POWDER TO BE USED AS A DRY SURGICAL DRESSING. BROTHERS CORPORATION, Brooklyn, N. Y.
Filed January 2, 1935. Serial No. 359,844. PUBLISHED MARCH 19, 1935. Class 6.

324,831. WHISKEY. THE WEIDEMAN CO., Cleveland, Ohio.
Filed December 31, 1934. Serial No. 359,824. PUBLISHED MARCH 26, 1935. Class 49.

324,832. WHISKY. H. MCKENNA, INCORPORATED, Fairfield, Ky.
Filed December 31, 1934. Serial No. 359,807. PUBLISHED MARCH 26, 1935. Class 49.

324,833. WINE. BERNARDO LARRAIN, Santiago, Chile.
Filed December 31, 1934. Serial No. 359,801. PUBLISHED MARCH 26, 1935. Class 47.

324,834. VARNISHES, DRIERS, PAINT OILS, WHITE LEAD, METAL PAINTS, PAINT THINNERS, BRONZING LIQUIDS, AND PAINT AND VARNISH REMOVERS. W. P. FULLER & CO., San Francisco, Calif.
Filed December 31, 1934. Serial No. 359,792. PUBLISHED FEBRUARY 26, 1935. Class 16.

324,835. NAIL POLISH AND A LIQUID SOLVENT FOR REMOVING THE POLISH FROM THE NAILS. FORT ORANGE CHEMICAL CO., INC., Albany, N. Y.
Filed December 31, 1934. Serial No. 359,791. PUBLISHED MARCH 19, 1935. Class 6.

324,836. PLASTIC ROOF CEMENT, ASBESTOS FIBER ROOF COATING, AND ASPHALT ROOF COATING. EL REY PRODUCTS CO., Los Angeles, Calif.
Filed December 31, 1934. Serial No. 359,786. PUBLISHED MARCH 26, 1935. Class 12.

324,837. SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THE SAME. BUCKINGHAM & HECHT, San Francisco, Calif.
Filed December 31, 1934. Serial No. 359,777. PUBLISHED MARCH 26, 1935. Class 39.

324,838. CIGARS. STANDARD CIGAR COMPANY, Pittsburgh, Pa.
Filed December 29, 1934. Serial No. 359,756. PUBLISHED MARCH 26, 1935. Class 17.

324,839. JEWELRY AND PEARLS NOT INCLUDING WATCHES. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y.
Filed December 26, 1934. Serial No. 359,687. PUBLISHED MARCH 26, 1935. Class 28.

324,840. SNAP FASTENERS. THE AUTOTEX COMPANY, Watertown, Conn.
Filed December 27, 1934. Serial No. 359,689. PUBLISHED MARCH 26, 1935. Class 40.

324,841. JEWELRY AND PEARLS NOT INCLUDING WATCHES. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y.
Filed December 26, 1934. Serial No. 359,688. PUBLISHED MARCH 26, 1935. Class 28.

324,842. GIN, WHISKEY, AND BRANDY. SCOTTISH IMPORTING CORP., Kansas City, Mo.
Filed December 26, 1934. Serial No. 359,676. PUBLISHED MARCH 26, 1935. Class 49.

324,843. [WITHDRAWN.]

324,844. SKIN PREPARATION DESIGNED PRIMARILY FOR TREATMENT OF RED, ROUGH, CHAPPED HANDS, AND AS A SKIN BEAUTIFIER. J. H. TUVIN, doing business as The My-Han Company, Baltimore, Md.
Filed December 22, 1934. Serial No. 359,597. PUBLISHED MARCH 26, 1935. Class 6.

324,845. RUM. A. & G. J. CALDWELL, INC., Newburyport, Mass.
Filed December 22, 1934. Serial No. 359,571. PUBLISHED MARCH 26, 1935. Class 49.

324,846. CHEMICAL PREPARATION HAVING THE SAME GENERAL USE AS SOAPS. THE DOAK COMPANY, Cleveland, Ohio.
Filed December 19, 1934. Serial No. 359,531. PUBLISHED MARCH 26, 1935. Class 4.

324,847. STEEL IN THE FORM OF INGOTS, BILLETS, BARS, RODS, WIRE, SHEETS, CASTINGS OR FORGINGS. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed December 20, 1934. Serial No. 359,503. PUBLISHED MARCH 26, 1935. Class 14.

324,848. TISSUE PAPER, AND ESPECIALLY TOILET PAPER. BADGER TISSUE MILLS, Kaukauna, Wis.
Filed December 20, 1934. Serial No. 359,498. PUBLISHED MARCH 26, 1935. Class 37.

324,849. BORIC ACID, BICARBONATE OF SODA, EPSOM SALT, BORAX, BAY RUM, MEDICINAL MINERAL OIL, COD LIVER OIL, WITCH HAZEL, MILK OF MAGNESIA, PEROXIDE, PETROLEUM JELLY, DENTAL CREAM, ASPIRIN TABLETS, PSYLLIUM SEED, INSECTICIDE, RUBBING ALCOHOL. ALTEX & CO., INC., Doing business as Altco Products Co., New York, N. Y.
Filed December 20, 1934. Serial No. 359,495. PUBLISHED MARCH 26, 1935. Class 6.

324,850. SHEETS AND PILLOW CASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed January 18, 1935. Serial No. 360,397. PUBLISHED MARCH 26, 1935. Class 42.

324,851. JUNIOR DRESSES, COATS, SPORT AND TAILORED SUITS, SWEATERS, SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR A COMBINATION OF THOSE MATERIALS, AND BLOUSES, AND HATS FOR LADIES AND GIRLS. BEST & CO. INC., New York, N. Y.
Filed January 18, 1935. Serial No. 360,395. PUBLISHED MARCH 26, 1935. Class 39.

324,852. MEDICINAL TABLETS FOR THE RELIEF OF PAIN IN THE TREATMENT OF SIMPLE HEADACHES, ARTHRITIS, RHEUMATISM, NEURALGIA, AND NEURITIS, AND FOR THE RELIEF OF MUSCULAR ACHES AND PAINS. BERNARD M. WOLF, doing business as Kodicon Products Co., Boston, Mass.
Filed January 17, 1935. Serial No. 360,386. PUBLISHED MARCH 19, 1935. Class 6.

324,853. COTTON GOODS IN THE PIECE. PALATINE CORPORATION, New York, N. Y.
Filed January 17, 1935. Serial No. 360,371. PUBLISHED MARCH 26, 1935. Class 42.

324,854. FURS. JOSEPH HOLLANDER, INC., Newark, N. J.
Filed January 16, 1935. Serial No. 360,315. PUBLISHED MARCH 26, 1935. Class 1.

324,855. MOTH REPELLENT. RALPH GRETSCH & CO. INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,309. PUBLISHED MARCH 19, 1935. Class 6.

324,856. PLUG AND TWIST TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Filed January 15, 1935. Serial No. 360,297. PUBLISHED MARCH 26, 1935. Class 17.

324,857. MEDICINAL HERBS TO BE USED IN THE PREPARATION OF A LAXATIVE. ANN SWITALSKI, doing business as Golden Arrow Herb Co., Chicago, Ill.
Filed January 14, 1935. Serial No. 360,248. PUBLISHED MARCH 26, 1935. Class 6.

324,858. MEN'S, WOMEN'S AND CHILDREN'S BOOTS, SHOES AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIAL. W. L. DOUGLAS SHOE COMPANY, Motello, Brockton, Mass.
Filed January 14, 1935. Serial No. 360,219. PUBLISHED MARCH 26, 1935. Class 39.

324,859. ABSORBENT COTTON, GAUZE BANDAGES, ADHESIVE PLASTER AND TAPE. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio.
Filed January 12, 1935. Serial No. 360,170. PUBLISHED MARCH 26, 1935. Class 44.

324,860. PORTABLE ELECTRIC ARC LAMPS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,137. PUBLISHED MARCH 26, 1935. Class 21.

324,861. WOOLEN PIECE GOODS. CARLTON MILLS CO., INC., Philadelphia, Pa. and New York, N. Y.
Filed January 11, 1935. Serial No. 360,130. PUBLISHED MARCH 26, 1935. Class 42.

324,862. VETERINARY PRODUCTS, PARTICULARLY PREPARATIONS FOR THE TREATMENT OF COCCIDIOSIS IN FOWL AND LIVESTOCK, A PREPARATION FOR THE TREATMENT OF WORMS IN FOWL, LIVESTOCK AND DOGS, AND A PREPARATION TO PREVENT CANNIBALISM AMONG FOWL. ANDERSEN-SMITH MILLING CO., San Francisco, Calif.
Filed January 11, 1935. Serial No. 360,126. PUBLISHED MARCH 26, 1935. Class 6.

324,863. WOMEN'S, MISSES', AND GIRLS' HATS. FRANKLIN SHOPS, INC., Hempstead, N. Y.
Filed January 10, 1935. Serial No. 360,004. PUBLISHED MARCH 26, 1935. Class 39.

324,864. WHISKEY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed January 8, 1935. Serial No. 360,033. PUBLISHED MARCH 26, 1935. Class 49.

324,865. WOMEN'S LEATHER SHOES. BANCROFT-WALKER COMPANY, Waltham, Mass.
Filed January 8, 1935. Serial No. 360,022. PUBLISHED MARCH 26, 1935. Class 39.

324,866. TEXTILE FABRICS MADE OF RAYON, COTTON, AND LINEN. YECKES CO., INC., New York, N. Y.
Filed January 7, 1935. Serial No. 360,016. PUBLISHED MARCH 26, 1935. Class 42.

324,867. WHISKEY. HIRAM WALKER & SONS LIMITED, Walkerville, Ontario, Canada.
Filed January 7, 1935. Serial No. 360,010. PUBLISHED MARCH 26, 1935. Class 49.

324,868. DEODORANTS. COSMOS CHEMICAL CORPORATION, New York, N. Y.
Filed January 24, 1935. Serial No. 360,623. PUBLISHED MARCH 26, 1935. Class 6.

324,869. ANTACID AND DIGESTANT PREPARATION FOR THE TREATMENT OF INDIGESTION, SICK SOUR STOMACHS AND SIMILAR DISTURBANCES. KAY BESHURE, Chicago, Ill.
Filed January 24, 1935. Serial No. 360,616. PUBLISHED MARCH 26, 1935. Class 6.

324,870. JUICES OF CITROUS FRUITS COMBINED WITH OTHER INGREDIENTS TO PRODUCE A LIQUID FOOD. DONALD E. KASTNER, doing business as Kaydon's, New York, N. Y.
Filed December 19, 1934. Serial No. 359,468. PUBLISHED MARCH 26, 1935. Class 46.

324,871. BRASSIÈRES, GIRDLES, AND FOUNDATIONS. ADELEENE BRASSIERE CO., Los Angeles, Calif.
Filed December 19, 1934. Serial No. 359,452. PUBLISHED MARCH 26, 1935. Class 39.

324,872. GIN. VAUXHALL DISTRIBUTORS LTD., New York, N. Y.
Filed December 18, 1934. Serial No. 359,447. PUBLISHED MARCH 26, 1935. Class 49.

324,873. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, SALTED FISH, DRIED FISH. WISKIND BROS., INC., Newark, N. J.
Filed December 17, 1934. Serial No. 359,414. PUBLISHED MARCH 26, 1935. Class 46.

324,874. PREPARATION FOR TREATMENT OF ATHLETE'S FOOT AND OTHER SORE AND PAINFUL CONDITIONS OF THE FOOT. FAIRYFOOT PRODUCTS COMPANY, Chicago, Ill.
Filed December 17, 1934. Serial No. 359,391. PUBLISHED MARCH 26, 1935. Class 6.

324,875. SHOES MADE OF LEATHER AND FABRIC AND COMBINATIONS OF LEATHER, RUBBER, AND FABRIC. EDISON BROTHERS STORES, INC., St. Louis, Mo.
Filed December 17, 1934. Serial No. 359,390. PUBLISHED MARCH 26, 1935. Class 39.

324,876. BROOCHES, CLIP PINS MADE OF OR PLATED WITH PRECIOUS METAL, FINGER RINGS, PENDANTS, BRACELETS, EAR CLIPS, TIARAS, NECKLACES, SLEEVE LINKS, HAIR ORNAMENTS, JEWELED HAT ORNAMENTS MADE OF OR PLATED WITH PRECIOUS METAL, AND LOCKETS. LESTER & COMPANY, Newark, N. J.
Filed December 15, 1934. Serial No. 359,361. PUBLISHED MARCH 26, 1935. Class 28.

324,877. INNER TUBES OF RUBBER FOR TIRES. CARLISLE TIRE & RUBBER CO., Carlisle, Pa.
Filed December 15, 1934. Serial No. 359,342. PUBLISHED MARCH 26, 1935. Class 35.

324,878. CERTAIN DISTILLED ALCOHOLIC LIQUORS, ETC. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed December 14, 1934. Serial No. 359,327. PUBLISHED MARCH 26, 1935. Class 49.

324,879. RUM. A. & G. J. CALDWELL, INC., Newburyport, Mass.
Filed December 12, 1934. Serial No. 359,207. PUBLISHED MARCH 26, 1935. Class 49.

324,880. FRESH GRAPES. G. CONTINENTE, Pittsburg, Calif.
Filed December 8, 1934. Serial No. 359,080. PUBLISHED MARCH 26, 1935. Class 46.

324,881. CELLULOSE SAUSAGE CASINGS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed December 7, 1934. Serial No. 359,063. PUBLISHED MARCH 26, 1935. Class 2.

324,882. WHISKEY. E. L. SPELLMAN CO., INC., New York, N. Y.
Filed December 6, 1934. Serial No. 359,012. PUBLISHED MARCH 26, 1935. Class 49.

324,883. TICKINGS. RINDEMAN-SALINGER COMPANY, New York, N. Y.
Filed December 6, 1934. Serial No. 359,004. PUBLISHED MARCH 26, 1935. Class 42.

324,884. ELECTRIC FLOOR AND TABLE LAMPS. ARTISTIC BRASS & BRONZE WORKS, INC., New York, N. Y.
Filed December 5, 1934. Serial No. 358,913. PUBLISHED MARCH 26, 1935. Class 21.

324,885. TOILET WATER. POTTER & MOORE, LIMITED, London, England.
Filed December 4, 1934. Serial No. 358,892. PUBLISHED MARCH 5, 1935. Class 6.

324,886. FASTENERS FOR BUCKLES AND FASTENERS FORMING PARTS OF BUCKLES OF ORDINARY METAL. FERRAND & SUDDARDS LIMITED, Bradford, England.
Filed November 30, 1934. Serial No. 358,770. PUBLISHED MARCH 26, 1935. Class 40.

324,887. PREPARATION FOR THE TREATMENT OF COUGHS, COLDS AND CONGESTION. VALVOLINE OIL COMPANY, doing business as Valco Laboratories, Cincinnati, Ohio, and New York, N. Y.
Filed January 23, 1935. Serial No. 360,610. PUBLISHED MARCH 26, 1935. Class 6.

324,888. PERIODICAL PRINTED FROM TIME TO TIME. MIGUEL LOPEZ PUMAREJO, New York, N. Y.
Filed January 23, 1935. Serial No. 360,605. PUBLISHED MARCH 26, 1935. Class 38.

324,889. MILK. DELLWOOD DAIRY CO. INC., Yonkers, N. Y.
Filed January 23, 1935. Serial No. 360,580. PUBLISHED MARCH 26, 1935. Class 46.

324,890. WINES. JUAN DE BURGOS LUQUE, Aguilar de la Frontera, Spain.
Filed September 27, 1934. Serial No. 356,484. PUBLISHED MARCH 26, 1935. Class 47.

324,891. BRANDY, WHISKEY, GIN, AND ALCOHOLIC CORDIALS. JUAN DE BURGOS LUQUE, Aguilar de la Frontera, Spain.
Filed September 27, 1934. Serial No. 356,483. PUBLISHED MARCH 26, 1935. Class 49.

324,892. BOXED FRESH CITRUS FRUITS FOR FOOD PURPOSES. PROGRESO TEXAS CITRUS GROWERS' ASSOCIATION, Pregreso, Tex.
Filed October 20, 1934. Serial No. 357,349. PUBLISHED MARCH 26, 1935. Class 46.

324,893. CEREAL BREAKFAST FOOD. EARLE-CHESTERFIELD MILL CO., Asheville, N. C.
Filed October 17, 1934. Serial No. 357,194. PUBLISHED MARCH 26, 1935. Class 46.

324,894. REVOLVERS. SMITH & WESSON, INC., Springfield, Mass.
Filed February 20, 1935. Serial No. 361,638. PUBLISHED MARCH 26, 1935. Class 9.

324,895. CANNED DOG AND CAT FOOD. DOYLE PACKING COMPANY, Los Angeles, Calif.
Filed February 18, 1935. Serial No. 361,519. PUBLISHED MARCH 26, 1935. Class 46.

324,896. FRESH VEGETABLES, NAMELY BROCCOLI, FINOCCHIO, MUSTARD GREENS AND CELERY. D'ARRIGO BROS. CO., San Jose, Calif.
Filed February 18, 1935. Serial No. 361,517. PUBLISHED MARCH 26, 1935. Class 46.

324,897. CONFECTION CONSISTING OF A COMBINATION OF DATES, RAISINS, FIGS, PEANUTS, COCOANUT AND SUGAR, COATED WITH CHOCOLATE. PASS AND WILLIAMSON, INC., Philadelphia, Pa.
Filed February 16, 1935. Serial No. 361,478. PUBLISHED MARCH 26, 1935. Class 46.

324,898. BEERS AND ALES. LION BREWERY OF NEW YORK CITY, New York, N. Y.
Filed February 15, 1935. Serial No. 361,425. PUBLISHED MARCH 26, 1935. Class 48.

324,899. BEERS AND ALES. LION BREWERY OF NEW YORK CITY, New York, N. Y.
Filed February 15, 1935. Serial No. 361,424. PUBLISHED MARCH 26, 1935. Class 48.

324,900. LOCKS AND PARTS THEREOF. ALB. KARLSSON, Eskilstuna, Sweden.
Filed February 15, 1935. Serial No. 361,420. PUBLISHED MARCH 26, 1935. Class 25.

324,901. BOARD GAME WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed February 13, 1935. Serial No. 361,367. PUBLISHED MARCH 26, 1935. Class 22.

324,902. CAKES. BEST PRODUCTS COMPANY, Washington, D. C.
Filed February 13, 1935. Serial No. 361,353. PUBLISHED MARCH 26, 1935. Class 46.

324,903. CLEANER FOR ELASTIC AND TEXTILE FABRICS. BERT E. BLACK, Cincinnati, Ohio.
Filed February 12, 1935. Serial No. 361,310. PUBLISHED MARCH 26, 1935. Class 4.

324,904. BATTERY BOXES. THE RICHARDSON COMPANY, Lockland, Ohio.
Filed February 11, 1935. Serial No. 361,285. PUBLISHED MARCH 26, 1935. Class 21.

324,905. MEDICINAL PREPARATION IN SALVE FORM FOR THE TREATMENT OF CATTLE AILMENTS. ROBERT GISLER, San Francisco, Calif.
Filed February 11, 1935. Serial No. 361,265. PUBLISHED MARCH 26, 1935. Class 6.

324,906. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, AND RADIO TUBES. SILLCOX RADIO & TELEVISION CORPORATION, New York, N. Y.
Filed February 9, 1935. Serial No. 361,225. PUBLISHED MARCH 26, 1935. Class 21.

324,907. MONTHLY PUBLICATION. SYDNEY H. SILVERMAN, doing business as Corporation Insiders' Stock Record, New York, N. Y.
Filed February 8, 1935. Serial No. 361,190. PUBLISHED MARCH 26, 1935. Class 38.

324,908. RADIO RECEIVING SETS AND PARTS THEREOF. REXTRON RADIO COMPANY, INC., Chicago, Ill.
Filed February 8, 1935. Serial No. 661,189. PUBLISHED MARCH 26, 1935. Class 21.

324,909. FRESH CITRUS FRUITS. MOUNT DORA CITRUS GROWERS ASSOCIATION, Mount Dora, Fla.
Filed February 8, 1935. Serial No. 361,179. PUBLISHED MARCH 26, 1935. Class 46.

324,910. NEGLIGEE SHIRTS AND COLLARS. THE MANHATTAN SHIRT CO., New York, N. Y.
Filed February 8, 1935. Serial No. 361,176. PUBLISHED MARCH 26, 1935. Class 39.

324,911. BEAUTY SOAP. LOS ANGELES SOAP CO., Los Angeles, Calif.
Filed February 8, 1935. Serial No. 361,175. PUBLISHED MARCH 26, 1935. Class 4.

324,912. GAS AND STEAM COFFEE URNS AND COFFEE POTS. WATERS-GENTER CO., Minneapolis, Minn.
Filed October 8, 1934. Serial No. 356,890. PUBLISHED MARCH 26, 1935. Class 13.

324,913. GIN. JOHNSON WHOLESALE PERFUME CO., INC., New Haven, Conn.
Filed September 28, 1934. Serial No. 356,524. PUBLISHED MARCH 26, 1935. Class 49.

324,914. WRITING AND PRINTING PAPER AND PAPETERIES. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass.
Filed February 7, 1935. Serial No. 361,156. PUBLISHED MARCH 26, 1935. Class 37.

324,915. COFFEE. FRANK DE ROSA, New York, N. Y.
Filed February 7, 1935. Serial No. 361,147. PUBLISHED MARCH 26, 1935. Class 46.

324,916. FRESH DECIDUOUS FRUITS. SGOBEL & DAY, Sacramento, Calif.
Filed February 6, 1935. Serial No. 361,124. PUBLISHED MARCH 26, 1935. Class 46.

324,917. X-RAY INTENSIFYING SCREENS. THE PATTERSON SCREEN COMPANY, Towanda, Pa.
Filed February 6, 1935. Serial No. 361,112. PUBLISHED MARCH 26, 1935. Class 26.

324,918. PREPARATION FOR DESTROYING BAD BREATH. NATIONAL LICORICE COMPANY, Brooklyn, N. Y.
Filed February 6, 1935. Serial No. 361,107. PUBLISHED MARCH 26, 1935. Class 6.

324,919. HAARLEM OIL. C. E. JAMIESON & CO., Detroit, Mich.
Filed February 6, 1935. Serial No. 361,097. PUBLISHED MARCH 26, 1935. Class 6.

324,920. TABLES AND TABLE TOPS, ESPECIALLY THOSE MADE OF NICKEL AND/OR COPPER AND/OR ALLOYS THEREOF. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,096. PUBLISHED MARCH 26, 1935. Class 32.

324,921. ICE CREAM, BUTTER, EGGS, AND COFFEE. FARMSTEAD, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,084. PUBLISHED MARCH 26, 1935. Class 46.

324,922. ICE CREAM, BUTTER, EGGS, AND COFFEE. FARMSTEAD, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,083. PUBLISHED MARCH 26, 1935. Class 46.

324,923. LEDGER, RECORD, LINEN, BOND, AND WRITING PAPERS. L. L. BROWN PAPER COMPANY, Adams, Mass.
Filed February 6, 1935. Serial No. 361,078. PUBLISHED MARCH 26, 1935. Class 37.

324,924. LEDGER, RECORD, LINEN, BOND, AND WRITING PAPERS. L. L. BROWN PAPER COMPANY, Adams, Mass.
Filed February 6, 1935. Serial No. 361,077. PUBLISHED MARCH 26, 1935. Class 37.

324,925. FERTILIZER. SEMINOLE FERTILIZER COMPANY, Miami, Fla.
Filed February 4, 1935. Serial No. 361,028. PUBLISHED MARCH 26, 1935. Class 10.

324,926. FERTILIZER HAVING GERMICIDAL PROPERTIES. SISTO E. MARSICO, doing business as Delafield Nurseries, Aspinwall, Pa.
Filed February 4, 1935. Serial No. 361,020. PUBLISHED MARCH 26, 1935. Class 10.

324,927. WINE. JUDGE & DOLPH, LTD., Chicago, Ill.
Filed February 2, 1935. Serial No. 360,966. PUBLISHED MARCH 26, 1935. Class 47.

324,928. WHISKEY. PROVINCIAL DISTILLERIES LTD. INC., Brooklyn, N. Y.
Filed February 1, 1935. Serial No. 360,940. PUBLISHED MARCH 26, 1935. Class 49.

324,929. INSULATED WIRE. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed January 31, 1935. Serial No. 360,918. PUBLISHED MARCH 26, 1935. Class 21.

324,930. MEN'S, BOYS', WOMEN'S, AND MISSES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. MILES SHOES, INC., New York, N. Y.
Filed January 31, 1935. Serial No. 360,893. PUBLISHED MARCH 26, 1935. Class 39.

324,931. PUZZLE COLUMN IN NEWSPAPERS. STELLA MARIE GREENWOOD, Snomac, Okla.
Filed January 31, 1935. Serial No. 360,885. PUBLISHED MARCH 26, 1935. Class 38.

324,932. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed January 31, 1935. Serial No. 360,883. PUBLISHED MARCH 26, 1935. Class 22.

324,933. WINDSHIELD PASTE. CHICAGO HYDRAULIC OIL COMPANY, Chicago, Ill.
Filed January 31, 1935. Serial No. 360,880. PUBLISHED MARCH 26, 1935. Class 4.

324,934. GENERAL AND RECONSTRUCTIVE TONIC. DEAN WALLACE CORPORATION, Brooklyn, N. Y.
Filed January 23, 1935. Serial No. 360,578. PUBLISHED MARCH 26, 1935. Class 6.

324,935. UMBRELLAS AND PARASOLS. JAMES MCCUTCHEON & CO., New York, N. Y.
Filed January 22, 1935. Serial No. 360,573. PUBLISHED MARCH 19, 1935. Class 41.

324,936. INTRAVENOUS SOLUTIONS PUT UP IN AMPOULE FORM TO BE USED FOR VARIOUS PHARMACEUTICALS AND DRUG MEDICATION, FOR ORAL, INTRAMUSCULAR, INTRAVENOUS, SUBCUTANEOUS, EXTERNAL, AND NEEDLE APPLICATIONS, ETC. INTRAVENOUS PRODUCTS CO. OF AMERICA, INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,540. PUBLISHED MARCH 26, 1935. Class 6.

324,937. LADIES' PAJAMAS AND UNDERGARMENTS—NAMELY, BLOOMERS, VESTS, BANDEAUX, CHEMISES, PETTICOATS, SLIPS, SHORTS, SHIRTS, PANTIES, AND STEP-INS (DRAWERS). THE H. & H. MFG. CO., INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,536. PUBLISHED MARCH 26, 1935. Class 39.

324,938. SPRAYERS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed January 21, 1935. Serial No. 360,514. PUBLISHED MARCH 26, 1935. Class 23.

324,939. POWDER IN CAPSULE FORM FOR TREATMENT OF ALCOHOLISM. WESTERN CHEMICALS, INC., Seattle, Wash.
Filed January 21, 1935. Serial No. 360,511. PUBLISHED MARCH 26, 1935. Class 6.

324,940. WOMEN'S HATS. DAN LEVIN, doing business as Dan Levin Co., San Francisco, Calif.
Filed January 21, 1935. Serial No. 360,480. PUBLISHED MARCH 26, 1935. Class 39.

324,941. SPARK PLUGS, IGNITION COILS, AUTOMOTIVE CONDENSERS. GENERAL PARTS MANUFACTURING COMPANY, Chicago, Ill.
Filed January 21, 1935. Serial No. 360,473. PUBLISHED MARCH 26, 1935. Class 21.

324,942. HALF-TONE PRINTING PLATES. CELLOGRAPH CORPORATION OF AMERICA, San Francisco, Calif.
Filed January 21, 1935. Serial No. 360,460. PUBLISHED MARCH 26, 1935. Class 50.

324,943. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. J. R. WOOD & SONS, INC., Brooklyn, N. Y.
Filed January 19, 1935. Serial No. 360,446. PUBLISHED MARCH 26, 1935. Class 28.

324,944. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed January 27, 1934. Serial No. 346,634. PUBLISHED MARCH 26, 1935. Class 49.

324,945. WHISKIES. JAMES B. LAWSON, Dundee, Scotland.
Filed January 8, 1934. Serial No. 345,778. PUBLISHED MARCH 26, 1935. Class 49.

324,946. BRANDIES AND ANISETTES. LOPEZ HERMANOS, Malaga, Spain.
Filed December 28, 1933. Serial No. 345,426. PUBLISHED MARCH 26, 1935. Class 49.

324,947. CHOCOLATE PREPARATION IN POWDER FORM FOR FOOD PURPOSES SUCH AS FOOD BEVERAGES. THE JEL SERT CO., Chicago, Ill.
Filed November 9, 1933. Serial No. 343,454. PUBLISHED MARCH 26, 1935. Class 46.

324,948. WINES. MORIN PERE ET FILS, Nuits-Saint Georges, France.
Filed September 27, 1933. Serial No. 341,928. PUBLISHED MARCH 26, 1935. Class 47.

324,949. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. SCHATZ-BRAU BREWING COMPANY, Melrose, Minn.
Filed August 4, 1933. Serial No. 340,417. PUBLISHED MARCH 26, 1935. Class 48.

324,950. POMADES. NEWBRO MANUFACTURING COMPANY COMPANY, Atlanta, Ga.
Filed February 17, 1933. Serial No. 335,070. PUBLISHED MAY 22, 1934. Class 6.

324,951. REFRACTORY MATERIAL FOR USE IN FURNACES. QUIGLEY COMPANY, INC., New York, N. Y.
Filed March 25, 1933. Serial No. 336,097. PUBLISHED MARCH 26, 1935. Class 12.

324,952. WHISKIES. HERMAN SCHMIDT, doing business as Otto Schmidt Wine Company, Chicago, Ill.
Filed January 7, 1935. Serial No. 359,999. PUBLISHED MARCH 26, 1935. Class 49.

324,953. SHOE POLISH AND SHOE LOTION CREAM PREPARATION. MANHATTAN KREOLE PRODUCTS, INC., Brooklyn, N. Y.
Filed January 7, 1935. Serial No. 359,995. PUBLISHED MARCH 26, 1935. Class 4.

324,954. WEATHERSTRIPS. ELMER D. BARRINGER, doing business as Barland Weatherstrip Material Company, Cleveland, Ohio.
Filed January 7, 1935. Serial No. 359,982. PUBLISHED MARCH 26, 1935. Class 12.

324,955. WEATHERSTRIPS. ELMER D. BARRINGER, doing business as Barland Weatherstrip Material Company, Cleveland, Ohio.
Filed January 7, 1935. Serial No. 359,981. PUBLISHED MARCH 26, 1935. Class 12.

324,956. WHISKY. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed January 5, 1935. Serial No. 359,973. PUBLISHED MARCH 26, 1935. Class 49.

324,957. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 5, 1935. Serial No. 359,945. PUBLISHED MARCH 26, 1935. Class 49.

324,958. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 5, 1935. Serial No. 359,944. PUBLISHED MARCH 26, 1935. Class 49.

324,959. GIN. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md.
Filed January 4, 1935. Serial No. 359,936. PUBLISHED MARCH 26, 1935. Class 49.

324,960. PREPARED MUSHROOMS IN CANS. MEYER & LANGE, INC., New York, N. Y.
Filed January 4, 1935. Serial No. 359,921. PUBLISHED MARCH 26, 1935. Class 46.

324,961. PREPARATION FOR USE AS AN AID IN THE TEMPORARY RELIEF OF THE DISCOMFORT RESULTING FROM SIMPLE HEADACHE, NEURALGIA, PERIODIC PAINS, COMMON HEAD COLDS, AND MUSCULAR ACHES AND PAINS. GUS. H. FRENCH, doing business as Sanex Co., Minneapolis, Minn.
Filed January 4, 1935. Serial No. 359,911. PUBLISHED MARCH 19, 1935. Class 6.

324,962. CHINAWARE, PORCELAINWARE, EARTHENWARE AND POTTERYWARE, ALL FOR TABLE AND CULINARY PURPOSES. THE POPE-GOSSER CHINA CO., Coshocton, Ohio.
Filed January 3, 1935. Serial No. 359,896. PUBLISHED MARCH 26, 1935. Class 30.

324,963. WOMEN'S SHOES, MADE OF FABRIC AND LEATHER AND COMBINATIONS OF FABRIC AND LEATHER. O'CONNOR & GOLDBERG, Chicago, Ill.
Filed January 2, 1935. Serial No. 359,857. PUBLISHED MARCH 12, 1935. Class 39.

324,964. CLEANER COMPOUND FOR UPHOLSTERY, TAPESTRIES, DRAPERIES, RUGS, AND THE LIKE. THE NU-DI PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 19, 1935. Serial No. 360,442. PUBLISHED MARCH 26, 1935. Class 4.

324,965. ASPHALT ROOFING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 18, 1935. Serial No. 360,421. PUBLISHED MARCH 26, 1935. Class 12.

324,966. ASPHALT ROOFING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 18, 1935. Serial No. 360,420. PUBLISHED MARCH 26, 1935. Class 12.

324,967. ASPHALT ROOFING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 18, 1935. Serial No. 360,419. PUBLISHED MARCH 26, 1935. Class 12.

324,968. ASPHALT ROOFING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 18, 1935. Serial No. 360,418. PUBLISHED MARCH 26, 1935. Class 12.

324,969. ASPHALT ROOFING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 18, 1935. Serial No. 360,417. PUBLISHED MARCH 26, 1935. Class 12.

324,970. SOLES FOR BOOTS AND SHOES. THE LIMA CORD SOLE AND HEEL COMPANY, Lima, Ohio.
Filed January 18, 1935. Serial No. 360,412. PUBLISHED MARCH 26, 1935. Class 39.

324,971. BAKERY PRODUCTS—NAMELY, WAFERS. CUBBISON CRACKER CO., INC., Los Angeles, Calif.
Filed January 18, 1935. Serial No. 360,403. PUBLISHED MARCH 26, 1935. Class 46.

324,972. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 18, 1935. Serial No. 360,399. PUBLISHED MARCH 19, 1935. Class 42.

324,973. SHEETS AND PILLOW CASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed January 18, 1935. Serial No. 360,398. PUBLISHED MARCH 26, 1935. Class 42.

324,974. HANDKERCHIEFS. THE MANHATTAN SHIRT CO., New York, N. Y. Under section 5b of the act of 1905, as amended in 1920.
Filed January 30, 1935. Serial No. 360,852. PUBLISHED MARCH 26, 1935. Class 42.

324,975. CRACKERS. BEACON-GALE CORPORATION, New York, N. Y.
Filed January 30, 1935. Serial No. 360,837. PUBLISHED MARCH 26, 1935. Class 46.

324,976. CHOCOLATE. RUNKEL BROTHERS, INC., New York, N. Y.
Filed January 28, 1935. Serial No. 360,793. PUBLISHED MARCH 26, 1935. Class 46.

324,977. WHISKEY, GIN AND BRANDY. RARITAN DISTILLERS CORP., Perth Amboy, N. J.
Filed January 28, 1935. Serial No. 360,789. PUBLISHED MARCH 26, 1935. Class 49.

324,978. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,765. PUBLISHED MARCH 26, 1935. Class 2.

324,979. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,764. PUBLISHED MARCH 26, 1935. Class 2.

324,980. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,763. PUBLISHED MARCH 26, 1935. Class 2.

324,981. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,762. PUBLISHED MARCH 26, 1935. Class 2.

324,982. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,760. PUBLISHED MARCH 26, 1935. Class 2.

324,983. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,756. PUBLISHED MARCH 26, 1935. Class 2.

324,984. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,755. PUBLISHED MARCH 26, 1935. Class 2.

324,985. WOOLEN PIECE GOODS. E. DE MONTAGNAC & FILS, Sedan, France.
Filed January 26, 1935. Serial No. 360,711. PUBLISHED MARCH 26, 1935. Class 42.

324,986. EAU DE COLOGNE. JEAN PATOU, INC., New York, N. Y.
Filed January 26, 1935. Serial No. 360,728. PUBLISHED MARCH 26, 1935. Class 6.

324,987. GLASS COFFEE BREWERS. UNIVERSAL COFFEE COMPANY, Chicago, Ill.
Filed January 25, 1935. Serial No. 360,692. PUBLISHED MARCH 26, 1935. Class 33.

324,988. SOAP IN SOLID, LIQUID, SEMI-LIQUID, GRANULATED, SHREDDED AND/OR CHIP FORM. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 25, 1935. Serial No. 360,686. PUBLISHED MARCH 26, 1935. Class 4.

324,989. INSECTICIDES, FUNGICIDES AND FLOCCULATORS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 25, 1935. Serial No. 360,685. PUBLISHED MARCH 26, 1935. Class 6.

324,990. GAMES SIMILAR TO BADMINTON, PLAYED WITH PADDLES AND FEATHERED PROJECTILES. WILLIAM CHASE, doing business as Hollywood Rumba Company, New York, N. Y.
Filed January 25, 1935. Serial No. 360,663. PUBLISHED MARCH 26, 1935. Class 22

324,991. SKIN OINTMENT. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed January 24, 1935. Serial No. 360,634. PUBLISHED MARCH 26, 1935. Class 6.

324,992. SELF-RISING WHEAT FLOUR. GOESSING MILLING CO., Farmington, Mo.
Filed January 24, 1935. Serial No. 360,632. PUBLISHED MARCH 26, 1935. Class 46.

324,993. EXTRACTS IN AMPOULE FORM USED IN THE TREATMENT OF ANAEMIA, OBESITY, AND IN VARIOUS CASES OF GLANDULAR AND ORGANIC MAL-ADJUSTMENTS. MAURICE FOURCADE, Paris, France.
Filed January 24, 1935. Serial No. 360,631. PUBLISHED MARCH 26, 1935. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

324,994. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CENTURY DISTILLING CO., Peoria, Ill. Filed May 3, 1934. Serial No. 350,835.

DOCTOR DICK

For Whiskey.
Claims use since Apr. 23, 1934.

324,995. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROSE-DERRY CORPORATION, Newton, Mass. Filed Apr. 23, 1934. Serial No. 350,392.



For Mattresses.
Claims use since Apr. 18, 1934.

324,996. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARVER COTTON GIN COMPANY, East Bridgewater, Mass. Filed Apr. 23, 1935. Serial No. 364,085.

CARVER

For Shakers, Separators, Hull Beaters, Purifiers and Linters, for Cotton Seed; Gin and Linter Saws.
Claims use since 1912.

324,997. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MILTON S. KRONHEIM CO., INC., Washington, D. C. Filed Apr. 16, 1934. Serial No. 350,038.

Kentucky Todd

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Dec. 27, 1933.

324,998. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAS. E. PEPPER & COMPANY, Lexington, Ky. Filed Apr. 14, 1934. Serial No. 349,988.

DITTO

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since March 6, 1934.

324,999. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) THOMAS F. LITTLE, Sr., Laurel Hill, Long Island, N. Y. Filed Apr. 11, 1934. Serial No. 349,836.



For Umbrellas.
Claims use since March, 1934.

325,000. (CLASS 39. CLOTHING.) HERBERT W. FITZHUGH, New York, N. Y. Filed Apr. 7, 1934. Serial No. 349,676.

Styletrend

For Men's and Boys', Women's, Misses', Children's, and Infants' Hosiery, Underwear, Sweaters, Bathing Suits; Men's Dress and Negligee Shirts, Boys' Shirts and Blouses; Women's, Misses', Children's, and Infants' Wash Dresses, Blouses, and Aprons.
Claims use since Apr. 3, 1934.

325,001. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FEDERAL ENAMELING & STAMPING COMPANY, McKees Rocks, Pa. Filed Mar. 24, 1934. Serial No. 349,079.

CHIP-PROOFED STAINLESS

For Utensils Formed of Enameled Base Metal—Namely, Pots, Urns, Kettles, Strainers, Pans, Drip Type Coffee Makers.
Claims use since Aug. 12, 1933.

325,002. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BALTIMORE LIQUORS, INC., Baltimore, Md. Filed Mar. 24, 1934. Serial No. 349,064.

Baltimore Liquors

For Whiskey and Gin.
Claims use since Mar. 1, 1934.

325,003. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRANE PACKING COMPANY, Chicago, Ill. Filed Mar. 19, 1934. Serial No. 348,803.

DränOil

For Remote Controlled Valves.
Claims use since Feb. 24, 1934.

325,004. (CLASS 39. CLOTHING.) FISHER HOSIERY CO. INC., Reading, Pa. Filed Mar. 15, 1934. Serial No. 348,642.

HAND TAILORED

For Hosiery.
Claims use since Feb. 16, 1934.

325,005. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED LEDERMAN, New York, N. Y. Filed Jan. 26, 1934. Serial No. 346,583.

HONEY BLONDE

For Hair Rinse.
Claims use since Feb. 1, 1933.

325,006. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Dec. 6, 1933. Serial No. 344,521.

Winchester

For Whiskey.
Claims use since Dec. 6, 1933.

325,007. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DURWILLAN COMPANY, Paterson, N. J. Filed Nov. 17, 1933. Serial No. 343,768.

TRIPLEWEAR

The Block *without the* Metal Back

For Friction Material for Brakes, Such as Brake Blocks, Linings.
Claims use since Sept. 7, 1932.

325,008. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Nov. 13, 1933. Serial No. 343,619.

MORTARPROOFING

For a Material to Be Used as an Ingredient for Cement, Masonry Mortar, Stucco, Plaster and the Like, to Improve the Properties Thereof, Particularly to Reduce the Shrinkage, to Increase the Hardness and Density, to Increase Resistance to Disintegration, and to Render the Same More Waterproof.
Claims use since Nov. 1, 1933.

325,009. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TEXTILE MACHINE WORKS, Wyomissing, Pa. Filed Nov. 8, 1933. Serial No. 343,412.

The "READING"

For Knitting Machines and Parts Thereof, and Accessories and Attachments Therefor, Comprising Spring Beard Needles, Needle Straightening Devices, Sinkers, Sinkerheads, Dividers, Knockover Bits, Jacks, Jack Combs, Jack Springs, Loop Engaging Points, Needle Engaging Points, Welt Hooks, Welt Bars, Yarn Carriers, Yarn Boxes, Yarn Moistening Devices, Drip Aprons, Drip Pans, Friction Boxes, Friction Box Shoes, Transfer Bar Lifting Motion Mechanisms, Channel Irons, Course Counters, Cam Shaft Brake Devices, Cam Shaft Balancing Cams, Loop Regulating Devices, Splicing Rocker Attachments, Fabric Take-Up Attachments, Take-Up Attachment Safety Stop Devices, Thread Tension Devices, Thread Tension Release Devices, Reinforced Selvedge Attachments, Yarn Carrier Arresting Devices, Shock Absorbers, Selective Yarn Feeding Attachments, Universal Carrier Control Attachments, Horizontal Stripe Attachments, Lace and Mesh Attachments, Stop Devices for Mesh Attachments, Ravel Course Attachments, Shadow Clock Attachments, Lock Stitch and Non-Run Attachments, Idle Course Attachments, Loose Course Attachments, Plating Attachments, Splicing Blocks, Split Seam Attachments, Initial Marking Attachments, Covering Knives, Covering Knife Motion Attachments, Single Needle Narrowing Attachments, Safety Stop Devices for Handwheel Shafts, Safety Drive Mechanisms for Handwheel Shafts, and Safety Release Devices for Narrowing Machines; Topping Machines, and Parts Thereof and Accessories Therefor Comprising Topping Points, Transfer Points, Knockover Bits, Transfer Bars, Needle Bars and Topping Tables; Driving Mechanisms for Loopers and Seamers, Looping Tables, Seaming Tables; Hosiery Expanding Examining Devices and Supporting Tables Therefor; Hosiery Stamping Machines and Stamping Tables Therefor; Hosiery Pairing Tables; Hosiery Dividing Racks; Legger Tables; Footer Tables; Hosiery Mending Tables; Hosiery Labelling Tables; Hosiery Wrapping Tables; Braiding Machines and Parts Thereof and Accessories Therefor Comprising Plain or Flat Braiders, Tubular Braiders, Hercules Braiders, Diamond Braiders, Square Braiders, Cordedge, Braiders, Bi-Circle Braiders, Tubular Wire and Cable Braiders, Duplex Wire and Cable Braiders, Compound Wire and Cable Braiders, Double Deck Wire and Cable Braiders, Triple Deck Wire and Cable Braiders, Packing Braiders, Lace Machines, Steel Wire Braiders, Flat Steel Wire Braiders, Tubular Steel Wire Braiders, Winders, Doublers, Twisters, Spoolers, Take-Off Fixtures, Stands and Reels, Braiding and Strand Carriers, Tension Devices for Carriers, Plain Soutache Braiders, Plaited Soutache Braiders, Driving Tables for Regular Braiders, Driving Tables for Wire Braiders, Stripe Braiders, Cross Binding Braiders, Catheter Braiders, Vienna Oval Braiders, President Braiders, Coral Braiders, Fringe Braiders, Purl Edge Braiders, Mould Braiders, Straw Braiders, Fishline Braiders, Candlewick Braiders, Gas Tubing Braiders, Rubber Hose Braiders, Cord Braiders, Interlacing Braiders, Folded Raceway Braiders, Loop-Tubular Braiders, Necktie Braiders, Magnet Wire Winders, Annunciator Wire Winders, Telephone Cord Braiders, Rat Braiders, Braiders for Millinery Products, Bias Machines, Lapping Machines, Plaiting Machines, Spooling Machines and Devices, Tipping Machines, Twisting Machines, Gimp Machines, Bunching Machines, Stranding Machines, Jacquard Card Punching Devices, Separating Machines, Saturating Devices, Braid Spreading Machines, Braid and Wire Measuring Machines, and Spool Stands; Pulleys; Drilling and Tapping Machines; Tools and Gauges for Knitting and Braiding Machines; Jigs; Machine Drive Control Mechanisms; Clutch Drive Mechanisms; Bushings; Speed Control Devices; Machine Safety Stop Devices; and Machine Brake Devices.
Claims use since Oct. 27, 1933.

325,010. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 25, 1933. Serial No. 342,895.

RITTENHOUSE

For Whiskey.
Claims use since Oct. 11, 1933.

325,011. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 25, 1933. Serial No. 342,892.

Pennypacker Whiskey

For Whiskey.
Claims use since Oct. 11, 1933.

325,012. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL TRANSFORMER CORPORATION, Chicago, Ill. Filed Oct. 12, 1933. Serial No. 342,392.

MULTI-TAP

For Universal Power Transformers.
Claims use since Aug. 7, 1933.

325,013. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO., INC., Thompsonville, Conn. Filed Sept. 19, 1933. Serial No. 341,681.

CUSHION-TRED

For Woven Textile Rugs and Carpets.
Claims use since Aug. 11, 1933.

325,014. (CLASS 39. CLOTHING.) CHAS CHIPMAN'S SONS CO., INC., New York, N. Y. Filed Jan. 6, 1932. Serial No. 322,767.

DUBLKUF

For Golf Hose.
Claims use since Dec. 23, 1931.

325,015. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FEE & STEMWEDEL, INC., Chicago, Ill. Filed Nov. 19, 1932. Serial No. 332,295.

Airguide

For Indicators—Namely, Thermometers and Hygroscopes.
Claims use since Oct. 21, 1932.

325,016. (CLASS 43. THREAD AND YARN.) GOLD MEDAL YARN COMPANY, New York, N. Y. Filed Dec. 14, 1932. Serial No. 333,065.

GOLD MEDAL

For Knitting Yarns.
Claims use since Aug. 16, 1932.

325,017. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NATIONAL-SUPERIOR COMPANY, Toledo, Ohio. Filed Apr. 19, 1935. Serial No. 363,981.

DAYTON

For Couplings, Clamps, Saddles, Sleeves, and Fittings for Use on Pipe and Tubular Goods.
Claims use since 1908.

325,018. (CLASS 47. WINES.) J. P. POLITO, doing business as Venetian Wine Co., Los Angeles, Calif. Filed Apr. 2, 1935. Serial No. 363,343.

Venetian

For Wine.
Claims use since June, 1933.

325,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN KULESZA, Detroit, Mich. Filed Mar. 28, 1935. Serial No. 363,103.



GRONDZIK'S INSECTICIDE

For Insecticide.
Claims use since Feb. 11, 1934.

325,020. (CLASS 39. CLOTHING.) H. LISSNER COMPANY, INC., New York, N. Y. Filed Mar. 25, 1935. Serial No. 362,967.

STAI-KREAS

For Golf Knickers, Sport, Riding, and Golf Trousers, and Trousers.
Claims use since Mar. 1, 1934.

325,021. (CLASS 39. CLOTHING.) DAVID KORN & CO. INC., New York, N. Y. Filed Mar. 25, 1935. Serial No. 362,964.

GENUINE Duo-Seam

For Slips, Pajamas, and Night Gowns.
Claims use since Mar. 15, 1933.

325,022. (CLASS 37. PAPER AND STATIONERY.) HENRY BOSCH COMPANY, Chicago, Ill. Filed Mar. 23, 1935. Serial No. 362,904.

Wallmodes

For Wall Paper.
Claims use since Mar. 2, 1934.

325,023. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ASTURR TRADING COMPANY, INC., New York, N. Y. Filed Mar. 22, 1935. Serial No. 362,863.

Asturr Trading Co.

For Rum, Brandy, Whiskey, Gin, and Punch.
Claims use since Feb. 2, 1934.

325,024. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Feb. 27, 1935. Serial No. 361,944.

HAINESVILLE

For American Rye and Bourbon Whiskey.
Claims use since January, 1934.

325,025. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LACY PRODUCTS CORP., Chicago, Ill. Filed Feb. 18, 1935. Serial No. 361,527.

Lacy Hot Cup

For Electric Heating Cups.
Claims use since January, 1925.

325,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEWEY AND ALMY CHEMICAL COMPANY, Cambridge and North Cambridge, Mass. Filed Nov. 22, 1934. Serial No. 358,518.

WILSON

For Gas Absorbents, Specifically Sodium Calcium-Hydrate.
Claims use since July, 1920.

325,027. (CLASS 39. CLOTHING.) KNIT SPORTSWEAR CO., Brooklyn, N. Y. Filed Jan. 9, 1935. Serial No. 360,073.

Knit Sportswear
KNIT SPORTSWEAR CO

For Women's, Misses', and Children's Knitted Suits, Dresses, and Sweaters.
Claims use since Jan. 1, 1933.

325,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD NUT MARGARINE COMPANY, Indianapolis, Ind. Filed Oct. 27, 1934. Serial No. 357,608.

MODERN

For Mayonnaise, Salad Dressing, Sandwich Spread, Thousand Island Dressing, French Dressing, and Oleomargarine.
Claims use since July 12, 1929.

325,029. (CLASS 12. CONSTRUCTION MATERIALS.) MORRIS SCHECTER, doing business as Schecter Bros. Co., Philadelphia, Pa., assignor to Schecter Bros. Co., Philadelphia, Pa., a co-partnership consisting of Morris Schecter and Manny Schecter. Filed Oct. 22, 1934. Serial No. 357,395.

TITE-COTE

For Weather-Proofing and Water-Proofing Roof Cement.
Claims use since Jan. 15, 1932.

325,030. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Aug. 22, 1934. Serial No. 355,307.

SEDGEFIELD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since April 18, 1934.

325,031. (CLASS 39. CLOTHING.) IRVINGTON UNDERWEAR CO., New York, N. Y. Filed June 21, 1934. Serial No. 352,981.

FULLER HIPS

For Ladies' Underwear and Slips.
Claims use since Apr. 2, 1934.

325,032. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MILTON BRADLEY COMPANY, Springfield, Mass. Filed June 15, 1934. Serial No. 352,709.

HARLEM

For Table Board Game Played with Pieces.
Claims use since Mar. 1, 1934.

325,033. (CLASS 47. WINES.) THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed June 5, 1934. Serial No. 352,298.

YORKSTATE

For Wines.
Claims use since May 1, 1934.

325,034. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CLUFF AND PICKERING, LTD., New York, N. Y. Filed May 22, 1934. Serial No. 351,688.

CRAIG'S
Liqueur
FINE OLD
SCOTCH WHISKY

No claim is made to the words "Liqueur", "Fine Old", and "Scotch Whisky" apart from the mark.
For Whisky, Brandy, and Rum.
Claims use since Apr. 23, 1934.

325,035. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) W. & H. WALKER, INC., Pittsburgh, Pa., assignor to Tom Walker, Inc., Pittsburgh, Pa., a corporation of Pennsylvania. Filed May 8, 1934. Serial No. 351,092.

PENN STATE

For Whiskey.
Claims use since May 5, 1934.

325,036. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) R. WALLACE & SONS MANUFACTURING COMPANY, Wallingford, Conn. Filed May 7, 1934. Serial No. 351,043.

SILVER SHOD

For Silver-Plated Table Flatware.
Claims use since April 20, 1934.

325,037. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS. HENRY GLASS & CO., New York, N. Y. Filed May 3, 1934. Serial No. 350,849.

Scatterspot

For Piece Goods—Namely, Cotton Piece Goods, Combination Silk and Cotton Piece Goods, and Combination Artificial Silk and Cotton Piece Goods.
Claims use since Mar. 9, 1934.

325,038. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CENTURY DISTILLING CO., Peoria, Ill. Filed May 3, 1934. Serial No. 350,839.

OLD DOVER

For Whiskey.
Claims use since Apr. 23, 1934.

325,039. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CENTURY DISTILLING CO., Peoria, Ill. Filed May 3, 1934. Serial No. 350,836.

HOLBROOK

For Whiskey.
Claims use since Apr. 23, 1934.

TRADE-MARK REGISTRATIONS RENEWED

44,029. CIGARS, CHEROOTS, AND STOGIES. Registered January 24, 1905. WISCONSIN CIGAR CO., Madison, Wis. Renewed January 24, 1935, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, successor.

90,618. GOWNS, MANTLES, GARMENTS MADE OF FUR, UNDERWEAR FOR WOMEN—VIZ., CHEMISES, NIGHT-DRESSES, DRAWERS, AND CAMISOLES. Registered April 21, 1914. WORTH. Renewed April 21, 1934, to Societe Worth, Paris, France, a corporation of France, assignee.

90,656. COTTON PIECE GOODS. Registered April 28, 1914. ELMS & SELLON. Renewed April 28, 1934, to Turner Halsey Company, New York, N. Y., a corporation of New York, successor.

102,648. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered February 16, 1915. THE D-P-W COMPANY, Akron, Ohio, a corporation of Ohio. Renewed February 16, 1935.

102,823. CERTAIN NAMED FOODS. Registered February 23, 1915. VITTUCCI IMPORTING CO., Seattle, Wash. Renewed February 23, 1935, to Murphy Ranch, Whittier, Calif., a corporation of California, assignee by mesne assignments.

103,268. PREPARATIONS FOR TREATING CERTAIN NAMED AFFECTIONS. Registered March 23, 1915. LUCINDA JANE MONTGOMERY, Micanopy, Fla. Renewed March 23, 1935, to Geneva L. Montgomery Fuller, Coconut Grove, Fla., successor.

103,437. CERTAIN NAMED FOODS. Registered April 6, 1915. LIPPINCOTT & CO., Philadelphia and Altoona, Pa. Renewed April 6, 1935, to Charles W. Kipp, Riverton, N. J., assignee.

103,574. GREASES AND LUBRICANTS (RUST-PREVENTIVE). Registered April 6, 1915. MORRIS ROBESON STROUD, Philadelphia, Pa. Renewed April 6, 1935, to Howard M. Rogers, doing business as Chas. K. Smith Company, Riverton, N. J., assignee.

103,695. HEAT-INSULATING MATERIAL FOR REFRIGERATORS. Registered April 13, 1915. GRAND RAPIDS REFRIGERATOR COMPANY, Grand Rapids, Mich. Renewed April 13, 1935, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan, assignee.

103,754. BUTCHERS' STEELS. Registered April 13, 1915. C. & A. HOFFMAN, Philadelphia, Pa. Renewed April 13, 1935, to John Russell Cutlery Company, Southbridge, Mass., a corporation of Massachusetts, assignee by mesne assignments.

103,845. CERTAIN NAMED FLAVORING EXTRACTS. Registered April 20, 1915. FRED E. BARR, Chicago, Ill. Renewed April 20, 1935.

103,849. A SALTS REMEDY FOR THE RELIEF OF CONSTIPATION, KIDNEY, LIVER, AND STOMACH DISORDERS, AND RHEUMATISM. Registered April 20, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed April 20, 1935.

103,970. RAW-GLASS FOR MAKING CERTAIN NAMED ARTICLES. Registered April 20, 1915. SCHOTT & GEN. Renewed April 20, 1935, to Jenaer Glaswerk Schott & Gen., Jena, Germany, a corporation of Germany, successor.

103,987. TEA. Registered April 20, 1915. SAMUEL ZECHNOWITZ. Renewed April 20, 1935, to Consolidated Tea Co. Inc., New York, N. Y., a corporation of New York, assignee.

104,003. WOMEN'S, MISSES', AND CHILDREN'S KNITTED UNDERWEAR—VIZ., UNION SUITS, VESTS, SHIRTS, DRAWERS, AND TIGHTS. Registered April 27, 1915. CARL GUTMANN & CO. Renewed April 27, 1935, to Carl Gutmann & Co., Inc., New York, N. Y., a corporation of New York, assignee.

104,017. ELECTRIC INCANDESCENT LAMPS. Registered April 27, 1915. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Renewed April 27, 1935.

104,020. CERTAIN FIELD AND GRASS SEEDS AND SEED-GRAIN. Registered April 27, 1915. THE ILLINOIS SEED CO. Renewed April 27, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

104,021. CERTAIN FIELD AND GRASS SEEDS AND SEED-GRAIN. Registered April 27, 1915. THE ILLINOIS SEED CO. Renewed April 27, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

104,022. CERTAIN FIELD AND GRASS SEEDS AND SEED-GRAIN. Registered April 27, 1915. THE ILLINOIS SEED CO. Renewed April 27, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

104,023. CERTAIN NAMED SEEDS. Registered April 27, 1915. THE ILLINOIS SEED CO. Renewed April 27, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

104,024. CERTAIN NAMED FIELD AND GRASS SEEDS AND SEED-GRAIN. Registered April 27, 1915. THE ILLINOIS SEED CO. Renewed April 27, 1935. THE Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

104,028. ROASTED COFFEE. Registered April 27, 1915. THE OUERBACKER COFFEE CO. INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed April 27, 1935.

104,084. A TONIC MEDICINE. Registered April 27, 1915. ANGLO-AMERICAN PHARMACEUTICAL COMPANY, Croydon, England, and New York, N. Y. Renewed April 27, 1935, to Etna Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

104,116. SLEDS. Registered May 4, 1915. S. L. ALLEN & CO. Renewed May 4, 1935, to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

104,718. A LINIMENT. Registered June 15, 1915. STEPHEN FARGO, Cleveland, Ohio. Renewed June 15, 1935.

104,379. A MEDICAL PREPARATION USED AS A TONIC. Registered May 25, 1915. THE COOPER MEDICINE CO. Renewed May 25, 1935, to International Proprietaries Incorporated, Dayton, Ohio, a corporation of Delaware, assignee.

104,487. WASHING COMPOUNDS IN CERTAIN FORMS FOR CLEANING OR WASHING WALLS, CEILINGS, FLOORS, AND THE LIKE. Registered June 1, 1915. HARVEY E. SNYDER, Akron, Ohio. Renewed June 1, 1935.

104,499. DOLLS AND CERTAIN NAMED TOYS MADE OF PYROXYLIN COMPOUNDS. Registered June 1, 1915. RHEINISCHE CUMMI- UND CELLULOID-FABRIK, Mannheim-Neckarau, Germany, a corporation of Germany. Renewed June 1, 1935.

104,560. COFFEE AND TEA. Registered June 1, 1915. THE HOLBROOK GROCERY CO., Keene, Woodsville, and Nashua, N. H. Renewed June 1, 1935, to The Holbrook Grocery Co., Keene, N. H., a corporation of New Hampshire.

104,561. COFFEE AND TEA. Registered June 1, 1915. THE HOLBROOK GROCERY CO., Keene, Woodsville, and Nashua, N. H. Renewed June 1, 1935, to The Holbrook Grocery Co., Keene, N. H., a corporation of New Hampshire.

104,657. CERTAIN NAMED GAMES, TOYS, AND SPORTING GOODS. Registered June 8, 1915. UNITED DRUG COMPANY. Renewed June 8, 1935, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

104,725. WHEAT-FLOUR, GRAHAM FLOUR, PANCAKE-FLOUR, AND CORNMEAL. Registered June 15, 1915. EDWARD O. HARRIS. Renewed June 15, 1935, to Edward O. Harris, doing business as Harris Milling Co., Mount Pleasant, Mich.

104,789. CLOCKS. Registered June 15, 1915. THE E. INGRAHAM COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed June 15, 1935.

104,992. PREPARATIONS CONTAINING RADIUM AND HAVING RADIO-ACTIVE PROPERTIES. Registered June 29, 1915. EGMONT SCHAMBERG, Berlin-Halensee, Germany. Renewed June 29, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,119. CERTAIN NAMED PHOTOGRAPHIC SUPPLIES. Registered July 6, 1915. NEUE PHOTOGRAPHISCHE GESELLSCHAFT AKTIENGESELLSCHAFT, Steglitz, near Berlin, Germany. Renewed July 6, 1935, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

105,455. TONICS FOR THE NERVES. Registered July 27, 1915. ENRIQUE CERA, Barcelona, Spain. Renewed July 27, 1935.

105,482. COFFEE AND TEA. Registered July 27, 1915. THE HOLBROOK GROCERY CO., Keene, Woodsville, and Nashua, N. H. Renewed July 27, 1935, to The Holbrook Grocery Co., Keene, N. H., a corporation of New Hampshire.

105,517. CERTAIN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered August 3, 1915. THE MAYO MILLS, Mayodan, N. C., and New York, N. Y. Renewed August 3, 1935, to Washington Mills Company, Winston-Salem, N. C., a corporation of North Carolina, successor.

105,536. FIELD AND GRASS SEEDS AND SEED-GRAIN, PARTICULARLY TIMOTHY, BOTH RED AND WHITE CLOVER, ALSIKE, ALFALFA, LAWN-GRASS SEEDS, ALSO PASTURE AND LAWN MIXTURES. Registered August 3, 1915. THE ILLINOIS SEED CO. Renewed August 3, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

105,859. WHEAT-FLOUR. Registered August 24, 1915. MONTANA FLOUR MILLS COMPANY, Lewistown, Mont. Renewed August 24, 1935, to Montana Flour Mills Company, Great Falls, Mont., a corporation of Montana.

105,941. FINE LEATHER GLOVES. Registered August 31, 1915. THE HELLER LEATHER CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Renewed August 31, 1935.

106,075. PLUG, TWIST, CUT PLUG, SMOKING-TOBACCO, AND LEAF-TOBACCO. Registered October 5, 1915. MACLIN-ZIMMER-MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va., a corporation of Virginia. Renewed October 5, 1935.

106,077. CANNED FISH AND VEGETABLES. Registered October 5, 1915. JOSEPH HOWARD MERCIAN. Renewed October 5, 1935, to Meyer & Lange, Inc., New York, N. Y., a corporation of New York, assignee.

106,082. INCUBATORS. Registered October 5, 1915. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J., a corporation of England. Renewed October 5, 1935.

106,084. PERFUMES. Registered October 12, 1915. AGRA COMPANY. Renewed October 12, 1935, to Nyal Service Drug Stores Corporation, Detroit, Mich., a corporation of Michigan, by change of name.

106,090. TRACING-PAPER. Registered October 12, 1915. CRANE & CO. Renewed October 12, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee.

106,094. TOOL-STEEL. Registered October 12, 1915. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa., a corporation of Pennsylvania. Renewed October 12, 1935.

106,095. LUBRICATING OILS AND GREASES. Registered October 12, 1915. FISKE BROTHERS REFINING CO., New York, N. Y., a corporation of New York. Renewed October 12, 1935.

106,119. CERTAIN NAMED FOODS. Registered October 12, 1915. THE NEW WOOSTER PRESERVING CO. Renewed October 12, 1935, to The Wooster Preserving Co., Wooster, Ohio, a corporation of Ohio, by change of name.

106,128. INSULATED WIRE AND CABLES. Registered October 12, 1915. THE WHITNEY BLAKE COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed October 12, 1935.

106,144. GINGER-ALE, SARSAPARILLA, BIRCH-BEER, ORANGE PHOSPHATE, ROOT-BEER, AND LEMON-SOUR. Registered October 12, 1915. CLICQUOT CLUB COMPANY, Providence, R. I., and Millis, Mass. Renewed October 12, 1935, to Clicquot Club Company, Millis, Mass., a corporation of Rhode Island.

106,160. A LIQUID AND A SALVE TO BE USED IN THE TREATMENT OF SKIN DISEASES. Registered October 12, 1915. JOHN LANGAN, Yonkers, N. Y. Renewed October 12, 1935.

106,174. FERTILIZERS. Registered October 12, 1915. OLD BUCK GUANO CO., INC., Richmond, Va. Renewed October 12, 1935, to F. S. Royster Guano Co., Norfolk, Va., a corporation of Virginia, assignee.

106,175. VIRUSES, SERUMS, TOXINS, AND ANTITOXINS. Registered October 12, 1915. PARKE, DAVIS & CO., Detroit, Mich., a corporation of Michigan. Renewed October 12, 1935.

106,180. EAST INDIA SILVER-LEAD, CEYLON PLUMBAGO, AND FLAKE GRAPHITE. Registered October 12, 1915. HARRY M. RIDDLE. Renewed October 12, 1935, to The Asbury Graphite Mills, Asbury, N. J., a corporation of New Jersey, assignee.

106,185. A STERILIZED SOLUTION OF IODIN. Registered October 12, 1915. SHARP & DOHME, Baltimore, Md. Renewed October 12, 1935, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

106,279. CERTAIN NAMED COOKING UTENSILS. Registered October 19, 1915. ALUMINUM GOODS MFG. CO., Manitowoc, Wis., a corporation of New Jersey. Renewed October 19, 1935.

106,383. WHEAT-FLOUR. Registered October 19, 1915. J. I. TRIPLETT, Woodstock, Va. Renewed October 19, 1935.

106,385. CLOCKS AND WATCHES. Registered October 19, 1915. WESTERN CLOCK CO. Renewed October 19, 1935, to Western Clock Company, Peru, Ill., a corporation of Illinois, assignee.

106,386. AIR-BRAKE APPARATUS AND RAILWAY DRAFT-GEAR. Registered October 19, 1915. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa., a corporation of Pennsylvania. Renewed October 19, 1935.

106,424. EATING-CHOCOLATE AND CHOCOLATE CANDY. Registered October 19, 1915. D. GHIRARDELLI CO., San Francisco, Calif., a corporation of California. Renewed October 19, 1935.

106,431. CERTAIN NAMED FOODS. Registered October 19, 1915. HARICHT, BRAUN & CO., New York, N. Y., a firm. Renewed October 19, 1935.

106,442. PRINTING, WRITING, AND COVER PAPERS. Registered October 19, 1915. HUDSON VALLEY PAPER CO., Albany, N. Y., a corporation of New York. Renewed October 19, 1935.

106,807. CERTAIN NAMED WEARING-APPAREL FOR MEN, WOMEN, AND CHILDREN. Registered October 26, 1915. FRANKLIN SIMON. Renewed October 26, 1935, to Franklin Simon & Co., Inc., New York, N. Y., a corporation of New York, assignee.

LABELS

REGISTERED JUNE 4, 1935

45,694.—*Title:* DO SLICED BREAD. For Bread. AMERICAN TISSUE MILLS, Holyoke, Mass. Published March 7, 1935.

45,695.—*Title:* DWIN THE MODERN INSECT KILLER, AS FRAGRANT AS FLOWERS IN MAY FOR USE IN HOUSE AND GARDEN. For an Insect Killer. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,696.—*Title:* DWIN HOUSEHOLD INSECT KILLER. For an Insect Killer. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,697.—*Title:* DWIN FLOOR DRESSING. For a Floor Dressing. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,698.—*Title:* TUX CATTLE FLY KILLER. For a Fly Killer. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,699.—*Title:* RAFEDES RAT KILLER. For a Poison for Rats and Mice. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,700.—*Title:* DWIN CROW DOPE. For a Preparation for Protecting Seed Corn Against Crows and Other Pests. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,701.—*Title:* TUX CROW DOPE. For a Preparation for Protecting Seed Corn in the Ground Against Crows, Pheasants, Blackbirds, Worms, and Other Pests. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,702.—*Title:* BERGHOFF, A REAL HONEST BREW (NECK LABEL). For Beer. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind. Published March 1, 1935.

45,703.—*Title:* MARICOPA BRAND IRRADIATED EVAPORATED MILK. For Evaporated Milk. THE BORDEN WESTERN COMPANY, San Francisco, Calif. Published August 31, 1934.

45,704.—*Title:* SLIP-RY-LIZ. For Straight Bourbon Whiskey. ALFRED A. BRAULT, St. Paul, Minn. Published May 3, 1935.

45,705.—*Title:* BURGESS TWIN-SIX TELEPHONE BATTERY. For Telephone Batteries. BURGESS BATTERY COMPANY, Freeport, Ill. Published March 25, 1935.

45,706.—*Title:* BURGESS LITTLE-SIX BATTERY. For Electric Batteries. BURGESS BATTERY COMPANY, Freeport, Ill. Published April 10, 1935.

45,707.—*Title:* BLACK FOREST (FOREST SCENE). For Beer. THE CLEVELAND HOME BREWING COMPANY, Cleveland, Ohio. Published March 15, 1934.

45,708.—*Title:* BLACK FOREST (RAM DESIGN-CASTLE SCENE). For Bock Beer. THE CLEVELAND HOME BREWING COMPANY, Cleveland, Ohio. Published March 13, 1934.

45,709.—*Title:* BLACK FOREST (CASTLE SCENE). For Beer. CLEVELAND HOME BREWING COMPANY, Cleveland, Ohio. Published October 15, 1933.

45,710.—*Title:* COFFEE DESIGN 'N'. For Coffee. CONTINENTAL PAPER & BAG CORPORATION, New York, N. Y. Published April 17, 1935.

45,711.—*Title:* MASON LIDS. For Replacement Lids for Mason Jar Caps. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Published April 2, 1935.

45,712.—*Title:* DAIRY SEALED. INC. PASTEURIZED GRADE B HEAVY CREAM. For Pasteurized Grade B Heavy Cream. DAIRY SEALED, INC., Ozone Park, N. Y. Published March 10, 1935.

45,713.—*Title:* NEVLO. For Nerve Sedative and Hypnotic. HOWARD W. DAVIS, doing business as The Nevlo Company, San Antonio, Tex. Published December 18, 1934.

45,714.—*Title:* ICE CREAM. For Ice Cream. FOSTER & CROSS, INC., Brooklyn, N. Y. Published April 29, 1935.

45,715.—*Title:* DUTCH TREAT. For Canned Sliced Yellow Cling Peaches. FOSTER AND WOOD CANNING CO., Lodi, Calif. Published March 15, 1935.

45,716.—*Title:* GOLDENBERG'S "KREEM MAID" FUDGE. For Fudge. D. GOLDENBERG, INC., Philadelphia, Pa. Published Apr. 17, 1935.

45,717.—*Title:* HAZ-A-LUSTRE. For Varnish Stain. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published Apr. 25, 1935.

45,718.—*Title:* HAZ-A-VAR. For Varnish. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published April 23, 1935.

45,719.—*Title:* FEMIGIENE. For a Medicinal Powder Especially Prepared for Feminine Hygiene. HYGIENE MANUFACTURING CO., INC., Dallas, Tex. Published March 15, 1935.

45,720.—*Title:* SANI-FLUSH. For Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published September 15, 1934.

45,721.—*Title:* PLANNED GARDEN NO. 36. For Garden Layouts. INTERNATIONAL PAPER COMPANY, New York, N. Y. Published April 8, 1935.

45,722.—*Title:* PLANNED GARDEN NO. 18. For Garden Layouts. INTERNATIONAL PAPER COMPANY, New York, N. Y. Published April 8, 1935.

45,723.—*Title:* KELLOGG'S BRAN FLAKES—SWIMMING—SAVE A SPLIT SECOND. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,724.—*Title:* KELLOGG'S BRAN FLAKES—SWIMMING—PRACTICE SURFACE DIVING. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,725.—*Title:* KELLOGG'S BRAN FLAKES—SWIMMING—HOW DO YOU BREATHE. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,726.—*Title:* KELLOGG'S BRAN FLAKES—SWIMMING—ABOUT LEG THRASH. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,727.—*Title:* KELLOGG'S BRAN FLAKES—BASEBALL—KNOW THE BATTER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,728.—*Title:* KELLOGG'S BRAN FLAKES—BASEBALL—ONE OUT. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,729.—*Title:* KELLOGG'S BRAN FLAKES—BASEBALL—WATCH THOSE HITTERS. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,730.—*Title:* KELLOGG'S BRAN FLAKES—BASEBALL—SLIDE TO THE BAG. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,731.—*Title:* KELLOGG'S BRAN FLAKES—BASEBALL—LEARN TO BAT. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 14, 1935.

45,732.—*Title:* COFFEE. For Coffee. C. D. KENNY COMPANY, Baltimore, Md. Published February 1, 1934.

45,733.—*Title:* CLAY'S MEDICINE. For a Medicinal Preparation Beneficial in the Treatment of Muscular Aches and Pains, Muscular Lumbago, and Gout. MYRTLE C. KIEFFER, doing business as Clay's Medicine Co., Savannah, Ga. Published April 8, 1935.

45,734.—*Title:* HALF AND HALF HALF MILK BREAD—HALF CRACKED WHEAT. For Bread. THE W. E. LONG CO., Chicago, Ill. Published April 11, 1935.

45,735.—*Title:* HOLLYWOOD SPORT PIN. For Sport Pins. ANDREW W. MCCALLISTER, Los Angeles, Calif. Published April 12, 1935.

45,736.—*Title:* MECCANO-MORECRAFT. For Toy Construction Sets. THE MECCANO COMPANY OF AMERICA, INC., New Haven, Conn., and New York, N. Y. Published April 1, 1935.

45,737.—*Title:* MECHLING'S SULFOROTE. For Insecticide. MECHLING BROTHERS CHEMICALS COMPANY, Camden, N. J. Published January 2, 1935.

45,738.—*Title:* CREAMERY BUTTER. For Butter. THE MENASHA PRODUCTS COMPANY, Menasha, Wis. Published April 15, 1935.

45,739.—*Title:* GREEN CORE ULTRA-PLIABLE. For Gummed Paper Tape. MID-STATES GUMMED PAPER CO., Chicago, Ill. Published April 23, 1935.

45,740.—*Title:* KENTUCKY REBEL. For Straight Bourbon Whiskey. PACIFIC BEVERAGE DISTRIBUTORS, LTD., Los Angeles, Calif. Published April 19, 1935.

45,741.—*Title:* RE-KOP RUMMY. For Card and Board Game. PATENT ENGINEERING CO., Chicago, Ill. Published January 2, 1935.

45,742.—*Title:* SUNWASH. For Washing Solution. VICTOR A. PAYNE, doing business as Sunwash Process Co., Detroit, Mich. Published August 2, 1933.

45,743.—*Title:* BEWARE! FIDGITIS-NU-EZE NATURE'S FOOT SALT FOR FOOT COMFORT. For Foot Salt. PHILO, Union City, N. J. Published April 19, 1935.

45,744.—*Title:* PRODUCER'S OWN. For Eggs. POULTRYMEN'S COOPERATIVE ASSOCIATION OF SOUTHERN CALIFORNIA, Los Angeles, Calif. Published February 25, 1935.

45,745.—*Title:* ZAMORA WINE. For Wine. PRICE BROS., Boston, Mass. Published January 29, 1934.

45,746.—*Title:* THE SCOTCH DIGEST BY REED. For Candy—Namely, Butter-Scotch. REED CANDY COMPANY, Chicago, Ill. Published March 26, 1935.

45,747.—*Title:* 'SALADA' ORANGE PEKOE & PEKOE. For Tea. SALADA TEA CO. (INC.), Boston, Mass. Published April 30, 1935.

45,748.—*Title:* 'SALADA' TEA BAGS. For Tea Bags. SALADA TEA CO. (INC.), Boston, Mass. Published April 30, 1935.

45,749.—*Title:* PRIDE OF AMERICA DOG & CAT FOOD. For Dog and Cat Food. SILVER KING CANNING COMPANY, INC., Kansas City, Mo. Published April 24, 1935.

45,750.—*Title:* SKULL PISTON RINGS—DEATH TO OIL TROUBLE. For Piston Rings. SKULL PISTON MANUFACTURING COMPANY, Los Angeles, Calif. Published April 25, 1935.

45,751.—*Title:* DRUMWRIGHT'S OLD FASHIONED SOUTHERN STYLE PORK BARBECUE. For a Pork Product. SOUTHERN STYLE FOODS, INC., Nashville, Tenn. Published February 1, 1935.

45,752.—*Title:* DATED BEER. For Beer. STAR BREWERY COMPANY, Vancouver, Wash. Published May 1, 1935.

45,753.—*Title:* Ste PIERRE SMIRNOFF F^le, NO. 21. For Vodka. Ste PIERRE SMIRNOFF F^le, INCORPORATED, New York, N. Y. Published April 14, 1934.

45,754.—*Title:* Ste PIERRE SMIRNOFF F^le. For Vodka. Ste PIERRE SMIRNOFF F^le, INCORPORATED, New York, N. Y. Published May 19, 1934.

45,755.—*Title:* Ste PIERRE SMIRNOFF F^le. For Vodka. Ste PIERRE SMIRNOFF F^le, INCORPORATED, New York, N. Y. Published May 23, 1934.

45,756.—*Title:* Ste PIERRE SMIRNOFF F^le. For an Aperitif. Ste PIERRE SMIRNOFF F^le, INCORPORATED, New York, N. Y. Published June 8, 1934.

45,757.—*Title:* ZIP-O-GRAF. For an Engine Lubricant Which Forms a Protective Film on all Moving Parts. ALVIN E. STEIN, doing business as The Zip-O-Graf Company, Buffalo, N. Y. Published September 15, 1933.

45,758.—*Title:* BUTTER No. 481 O.S. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published March 12, 1935.

45,759.—*Title:* JOHN ALDEN BRAND FANCY BONELESS CODFISH. For Codfish. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published April 19, 1935.

45,760.—*Title:* SELECTED MUSHROOMS No. 33 F. P. For Mushrooms. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published April 24, 1935.

45,761.—*Title:* VAC-MAID SWEET CHOCOLATE FLAVORED MALTED MILK. For Malted Milk. VAC-MADE FOODS CORPORATION, Chicago, Ill. Published April 24, 1935.

45,762.—*Title:* UNION-LABEL THE SEAL OF QUALITY. For Straight Whiskey. H. M. WEXBERG, Chicago, Ill. Published February 1, 1935.

45,763.—*Title:* WRIGLEY'S JUICY FRUIT GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published March 26, 1935.

PRINTS

REGISTERED JUNE 4, 1935

15,182.—*Title:* WE'RE NOT GIVEN TO TRAILING AFTER TRENDS. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published March 10, 1935.

15,183.—*Title:* COLUMBIA FIRST LINE TIRES. For Tires. CONTINENTAL PRODUCTS, INC., Chicago, Ill. Published March 31, 1935.

15,184.—*Title:* WHAT TO DO WHEN YOUR CHILD'S TASTE GETS "CEREAL JADED". For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 20, 1935.

15,185.—*Title:* A FRIENDLY CHALLENGE TO WOMEN WHOSE HUSBANDS LIKE STRAWBERRY SHORTCAKE. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 25, 1935.

15,186.—*Title:* I SEE PLENTY OF WRECKS BUT BLOWOUT ACCIDENTS TURN MY BLOOD COLD! (Ad. No. GBC-50). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published April 27, 1935.

15,187.—*Title:* 'COFFEE-FLOATERS' NEVER TOO YOUNG TO LEARN. For Coffee. HILLS BROS., San Francisco, Calif. Published April 12, 1935.

15,188.—*Title:* POST-MORTEM ON 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published April 19, 1935.

15,189.—*Title:* BILL BANKS SOUNDS OFF ABOUT 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published April 26, 1935.

15,190.—*Title:* HAPPY ENDING TO 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published April 5, 1935.

15,191.—*Title:* 'COFFEE-FLOATING' GOLFERS GET OUT OF ROUGH. For Coffee. HILLS BROS., San Francisco, Calif. Published March 29 1935.

15,192.—*Title:* AN OBJECT LESSON IN 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published March 8, 1935.

15,193.—*Title:* TAKES GRAND SLAM AT 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published March 15, 1935.

15,194.—*Title:* CAMERA-MAN OPPOSES 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published March 22, 1935.

15,195.—*Title:* RETIRED SAILOR BALKS AT 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published February 8, 1935.

15,196.—*Title:* SATURDAY SHOPPING SHOW-DOWN ON 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published February 15, 1935.

15,197.—*Title:* MOTHER-IN-LAW HELPS 'COFFEE-FLOATING' BRIDE. For Coffee. HILLS BROS., San Francisco, Calif. Published February 22, 1935.

15,198.—*Title:* MR. B SITS DOWN ON 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published March 1, 1935.

15,199.—*Title:* JANTZEN TRUNKS WITH SUNAKA SUPPORT. For Swimming Trunks. JANTZEN KNITTING MILLS, Portland, Oreg. Published March 26, 1935.

15,200.—*Title:* TWIN POPSICLE HEALTHFUL—5¢. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,201.—*Title:* IT'S TWINS—TWIN POPSICLE. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,202.—*Title:* ICE COLD TWIN POPSICLE REFRESHING 5¢. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,203.—*Title:* TWIN POPSICLE HEALTHFUL. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,204.—*Title:* REFRESHING! ICE COLD—LONG LASTING TWIN POPSICLE GIANT 5¢ VALUE. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,205.—*Title:* BIG DOUBLE FEATURE TWIN POPSICLE, HEALTHFUL REFRESHING 5¢. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,206.—*Title:* BANANA TWIN POPSICLE. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,207.—*Title:* ORANGE FULL FLAVORED TWIN POPSICLE. For Frozen Confections. JOE LOWE CORPORATION, New York, N. Y. Published April 8, 1935.

15,208.—*Title:* • BILLBOARDS • BEN BERNIE • NATIONAL MAGAZINE ADVERTISING ALL WORKING FOR YOU—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 1, 1935.

15,209.—*Title:* YOU ARE INVITED TO TAKE PART IN NATIONAL BLUE RIBBON MALT WEEK APRIL 14TH. TO 20TH. For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 15, 1935.

15,210.—*Title:* NATIONAL BLUE RIBBON MALT WEEK APRIL 14TH TO 20TH. For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 19, 1935.

15,211.—*Title:* YOUR CUSTOMERS JUST NATURALLY WANT "THE MOSTA OF THE BESTA" FOR THEIR MONEY. For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 1, 1935.

15,212.—*Title:* GRETNA-GREEN WEDDING STATIONERY. For Wedding Stationery. THE RYTEX COMPANY, Indianapolis, Ind. Published April 3, 1935.

15,213.—*Title:* MONEY-BACK GUARANTEE QUALITY WANTS NO RESULTS NO PAY. For Prints and publications. THOMAS D. TAYLOR, Philadelphia, Pa. Published May 7, 1935.

REISSUES

JUNE 4, 1935

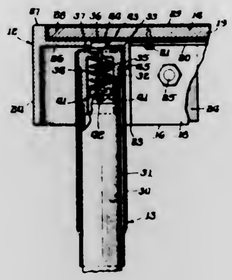
19,596

TABLE LEG CONSTRUCTION

James E. Bales and Carl T. Christensen, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Original application August 9, 1929, Serial No. 384,582. Patent No. 1,860,644, dated May 31, 1932. Divided and application June 20, 1930, Serial No. 462,607. Patent No. 1,917,916, dated July 11, 1933. Application for reissue January 9, 1935, Serial No. 1,026

29 Claims. (Cl. 311—99)



29. A table comprising a top, a support member pivotally movable with respect to the top from a position substantially in the plane of the top to a position at a substantial angle with respect thereto, a locking socket in the top, a locking projection member carried by the support member and movable axially with respect thereto, and resilient means for so moving the projection into the top locking socket as the support member is pivotally moved to said angular position, said support and locking members being mounted for pivotal movement with respect to the table top about an axis passing through both of said members.

19,597

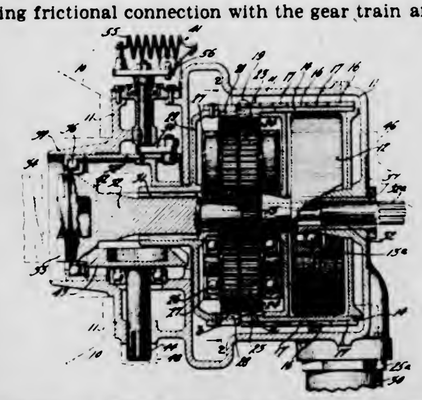
ENGINE STARTER

Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York

Original No. 1,660,953, dated February 28, 1928, Serial No. 22,225, April 10, 1925. Application for reissue February 24, 1930, Serial No. 431,036

51 Claims. (Cl. 127—179)

1. In a starter, the combination with an engine to be started, of a flywheel adapted for initial high speed rotation, a gear train having connection with said flywheel and adapted to transmit energy stored in the flywheel by said rotation to the engine, a non-rotatable clutch member having frictional connection with the gear train and



adapted to relieve the gear train from an overload.

19,598

DISK HARROW

Samuel S. Furrer, Oxnard, Calif., assignor to Brenneis Manufacturing Company, Oxnard, Calif., a corporation of California

Original No. 1,861,741, dated June 7, 1932, Serial No. 356,832, April 20, 1929. Application for reissue March 19, 1935, Serial No. 11,897

15 Claims. (Cl. 55—83)



1. In an offset disk harrow, the combination of: a front frame, disks carried by said frame, a rear frame, disks carried by said frame, means pivotally connecting said frames together, and draft means adapted to be secured to a tractor; said draft means including a linkage connected to one part of the front frame and to the rear frame, and a bar of adjustable length so connecting another part of the front frame to said linkage as to be movable relative to the front frame.

19,599

CONTINUOUS TRAIN CONTROL SYSTEM

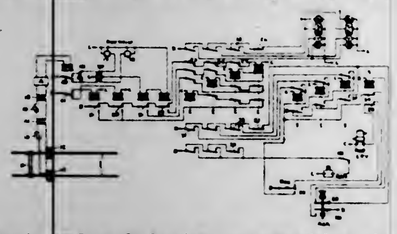
William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original No. 1,852,409, dated April 5, 1932, Serial No. 228,058, October 22, 1927. Application for reissue October 19, 1932, Serial No. 638,634

20 Claims. (Cl. 246—63)

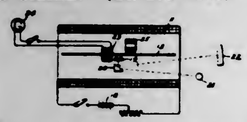
1. In a continuous train control system, means controlled in accordance with traffic conditions for placing coded current impulses on the track, car carried means responsive to the coded track current and including, decoding means selectively operable in accordance with different rates of current impulses supplied thereto, means distinctively controlled by the coded track current

for supplying energy to the decoding means in impulses applied at different rates, a plural aspect signal means having aspects varying in restrictiveness and controlled by the decoding means, and suppression means, comprising a slow release relay corresponding to each signal



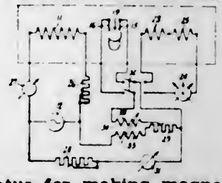
aspect, and each having an energizing circuit including a back point of each slow release relay corresponding to each more restrictive signal aspect inserted between the decoding and signal means, for delaying action of the decoding means on the signal means.

19,600
APPARATUS FOR MAKING MAGNETIC TESTS AND MEASUREMENTS
Peter C. Hermann, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Original No. 1,925,872, dated September 5, 1933, Serial No. 629,269, August 18, 1932. Application for reissue February 6, 1935, Serial No. 5,276. In Germany September 1, 1931
5 Claims. (Cl. 175—183)



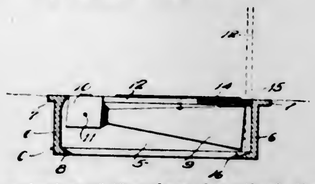
1. Apparatus for making magnetic measurements of magnetic samples having flat surfaces, comprising a magnetizing winding, means for supporting such a sample in testing position in magnetic relation with said winding, a flexible current conductor supported in said winding so as to be parallel with and in relatively close proximity to the surface of a sample in testing position, and means for supplying an electrical current to said conductor to cause a deflection of said conductor and an indication of the strength of the magnetic field in the sample under test.

19,601
APPARATUS FOR MAKING MAGNETIC TESTS AND MEASUREMENTS
Peter C. Hermann, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Original No. 1,957,211, dated May 1, 1934, Serial No. 662,604, March 24, 1933. Application for reissue February 6, 1935, Serial No. 5,277. In Germany April 6, 1932
7 Claims. (Cl. 175—183)



1. Apparatus for making magnetic measurements of magnetic samples having flat surfaces, comprising an alternating current magnetizing winding, means for supporting such a sample in testing position in magnetic relation with said winding, a flexible current conductor supported so as to be parallel with and in relatively close proximity to the surface of a sample in testing position, and means for supplying to said conductor an alternating current in phase with a magnetic field in said sample, thereby causing a deflection of said conductor and an indication of the strength of said magnetic field in the sample under test.

19,602
COMBINATION GRAVE MARKER AND FLOWER VASE
John M. Powell, Mount Vernon, Ill.
Original No. 1,963,804, dated June 19, 1934, Serial No. 701,367, December 7, 1933. Application for reissue December 24, 1934, Serial No. 759,118
8 Claims. (Cl. 47—41)



6. In a device of the class described, the combination with a casing, of a cover hinged thereto, and a vase hinged thereto.

PLANT PATENTS

GRANTED JUNE 4, 1935

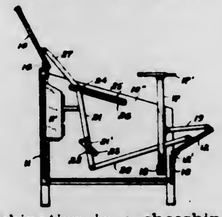
127
CARNATION VARIETY
Richard Witterstaetter, deceased, late of Cincinnati, Ohio, by Richard C. Witterstaetter, executor, Cincinnati, Ohio, assignor to R. Witterstaetter Carnation Company, a partnership composed of Edward C. Deller, William H. Deller, and Edward A. Witterstaetter, Cincinnati, Ohio
Application March 26, 1934, Serial No. 717,364
1 Claim. (Cl. 47—60)

The herein-disclosed carnation variety, characterized by a large, full, highly built flower, of good keeping properties, and of an unusually pronounced clove fragrance, the plant being characterized further by its rigid stem and short, broad, heavy calyx which holds the large flower throughout the carnation season without premature splitting, substantially as shown and described.

PATENTS

GRANTED JUNE 4, 1935

2,003,279
SHOESHINE BOX
Bert Agombar, Hanover, Ontario, Canada
Application August 1, 1934, Serial No. 737,912
4 Claims. (Cl. 15—265)



1. The combination in a shoeshine box, of a box body having an open top, a lid hinged thereto forming a closure for said open top, a footrest swingably mounted within the body and assuming a reclining position when the lid is closed, a rocker mounted in the body, mechanism connecting an end of the rocker to the lid apart from its hinge, a hinged flap forming a part of the front of the body, and link mechanism connecting the other end of the rocker and the footrest to the flap apart from its hinge.

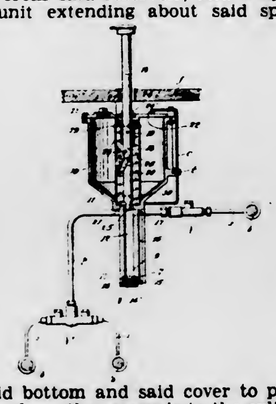
2,003,280
HAIR WINDING DEVICE
Margaret R. Bell, Great Falls, Mont.
Application May 8, 1934, Serial No. 724,561
8 Claims. (Cl. 132—33)



1. A hair winding device comprising a body adapted to be hand supported, said body being provided with contacting members between which hair may move and be gripped thereby, and adjustable means to regulate the width of the strand of hair between the members.

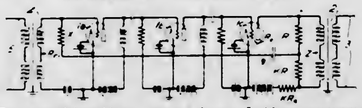
2,003,281
LUBRICATING SYSTEM AND THE CONSTITUENT PARTS THEREOF
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application February 16, 1925, Serial No. 9,544
31 Claims. (Cl. 184—28)

1. In a lubricator, in combination, a reservoir casting having a sloping bottom, a pump cylinder unitary therewith and extending vertically downward below said bottom, a cover for said reservoir, a pump plunger through said cover, a spring coiled about said plunger, reacting at one end against said bottom and at the other against said plunger to normally maintain the latter in uppermost position, so that said cylinder will be normally filled by lubricant draining thereinto from said reservoir, and a cylindrical filtering unit extending about said spring be-



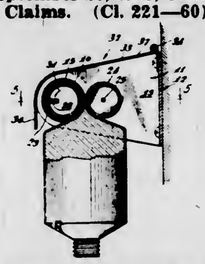
tween said bottom and said cover to purify the oil flowing from the reservoir to the cylinder.

2,003,282
WAVE TRANSLATION SYSTEMS
Harold S. Black, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application August 8, 1928, Serial No. 298,155. Divided and this application December 3, 1929, Serial No. 411,224. In Canada May 21, 1929
17 Claims. (Cl. 178—44)



1. In combination, wave translating apparatus, means for deriving waves from waves produced in said apparatus, and means capable of transmitting waves of the frequency of said produced waves, for impressing the derived waves on the input side of said apparatus without thereby altering the intensity of the derived waves.

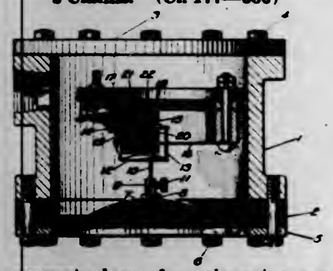
2,003,283
TUBE PASTE DISPENSER
Arthur B. Chatelain, Los Angeles, Calif., assignor of one-half to Ulrich Fischer, Los Angeles, Calif.
Application September 27, 1933, Serial No. 691,131
8 Claims. (Cl. 221—60)



1. A paste dispenser comprising a supporting bracket, a winding roller and a pressure roller

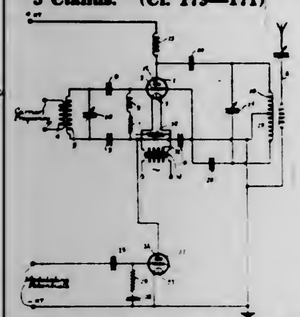
mounted parallel in said bracket, the winding roller having a longitudinal slot for insertion of the closed end of a collapsible tube, the opposite end of the tube having an opening, said rollers being positioned to suspend the tube with the opening downwardly, means to rotate the winding roller to collapse the tube between the two rollers and to wind the collapsed tube on the winding roller, the pressure roller having a flexible shaft, said shaft being adapted to bend to vary the spacing between the two rollers.

2,003,284
ACOUSTIC APPARATUS
Ivan C. Clement, Greenwood, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application November 19, 1928, Serial No. 320,368
3 Claims. (Cl. 177—386)



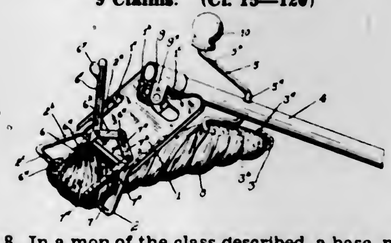
1. A magnetophone for submarine sound reception comprising a watertight casing, a plate of woven textile fabric impregnated with phenol resinous condensation product covering the end of said casing forming an acoustic piston diaphragm having an annular bending section, a magnetophone unit mounted within said casing having a magnet and an armature associated therewith pivoted at a point between its ends, a lever pivoted at one end, said armature and lever being disposed parallel to said diaphragm and perpendicularly disposed means connecting one end of said lever with said armature and connecting said lever to said diaphragm, whereby substantially the entire restoring force of the system is in the diaphragm.

2,003,285
SIGNALING
William Theodore Ditcham, Chelmsford, Essex, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 5, 1932, Serial No. 591,089
In Great Britain February 12, 1931
5 Claims. (Cl. 179—171)



1. Signaling means comprising a thermionic triode having an input circuit connected between the control electrode and cathode thereof, an output circuit including an inductance having one terminal connected to the anode of said triode the other terminal connected by way of a neutralizing capacity to the control electrode, a point on said inductance being connected by way of an audible frequency blocking capacity to the cathode of said triode and means for modulating the signals in said triode including a second triode having its anode electrode connected to the cathode of said first named tube and its cathode connected to said point on said inductance, whereby the impedance of said last named condenser is in parallel with the anode to cathode impedance of said second named triode, and a source of modulating signals connected with the input electrodes of said second named triode.

2,003,286
MOP
Will Evans, Hawthorne, Calif.
Application January 2, 1930, Serial No. 417,961
Renewed September 5, 1934
9 Claims. (Cl. 15—120)



8. In a mop of the class described, a base, mop-cloth holding elements at the forward end and adjacent the rear end thereof, a mop-cloth looped around both of the elements, and arm means in association with the forward element, said arm means being shiftable toward each other for contracting the mop-cloth towards the central portion of the latter element.

2,003,287
DEMOUNTABLE TRUCK BODY
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del., a corporation of Delaware
Application December 5, 1930, Serial No. 500,160
2 Claims. (Cl. 105—366)



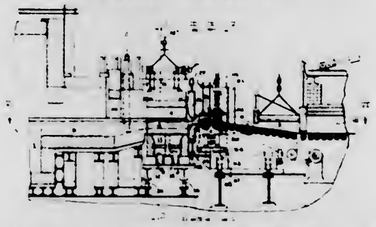
1. A demountable body having a wall with a doorway, said doorway having an inwardly recessed lintel, a pair of doors secured at their outer edges by lift-off hinges adjacent the vertical sides of the doorway, said doors being adapted to swing into the recess provided by the lintel, a weather shield secured to the body wall above the doorway extending downwardly and outwardly from the body wall, said shield terminating at its ends short of the vertical plane along the inner faces of the door jamb whereby the doors may be lifted off vertically when standing at right angles to the wall, and a weather strip lying within the recessed lintel and contacting the top of the door when closed whereby rain is diverted at the points not protected by the shield.

2,003,288
LAMINATED GLASS AND PROCESS OF MAKING THE SAME
Earl L. Fix, New Kensington, and Brook J. Dennison, Tarentum, Pa., assignors to Duplate Corporation, a corporation of Delaware
Application June 28, 1934, Serial No. 732,808
6 Claims. (Cl. 49—81)



1. A method of compositing a sheet of cellulose plastic and a glass sheet which comprises the step of coating the face of the glass sheet with a solution of a boron compound and one of the weak acids of the group consisting of silicic acid, stannic acid, chromic acid and arsenic acid, assembling the sheets and applying heat and pressure.

2,003,289
PROCESS FOR MAKING PLATE GLASS
Frederick Geilstharp and Walter G. Koupal, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application June 30, 1933, Serial No. 678,430
6 Claims. (Cl. 49—33)



1. A process of making plate glass, which consists in continuously supplying a layer of molten glass of substantially uniform thickness over a supply or feed roll which chills the glass as it passes thereover, conducting the sheet thus formed laterally between a pair of sizing rolls without support intermediate the supply roll and sizing rolls so that the sheet sags and stretches, and regulating the relative speed of rotation of the feed and sizing rolls so that a bulb of plastic glass is constantly maintained at the entrance of the pass between the sizing rolls.

4. A process of making plate glass which consists in continuously supplying a layer of molten glass from a tank over an outlet lip member to a feeding roll member which chills the glass as it passes thereover, conducting the sheet thus formed laterally between a pair of sizing rolls, and during the rolling operation tilting one of said members in such manner as to maintain the layer of glass passing thereover at substantially the same thickness from side to side.

2,003,290
GUN
Dayton A. Gurney, Caro, Mich., and Thomas A. Conlon, Silver Spring, Md.
Application May 2, 1933, Serial No. 669,000
1 Claim. (Cl. 42—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

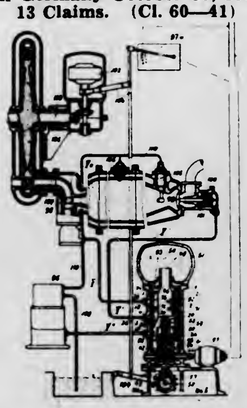


A unit for training an artillery gun crew embodying a stock, a lock, a barrel mounted on the stock, an adapter mounted for adjustment on the muzzle of the barrel, means for securing the adapter in adjusted positions, and means associated with the adapter whereby the range may be varied to predetermined fractions of the ranges of pieces of standard artillery.

2,003,291
RESINOUS COMPOSITION
Rowland Hill, Cheadle Hulme, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 17, 1933, Serial No. 666,627. In Great Britain April 23, 1932
9 Claims. (Cl. 260—3)

1. A process for the manufacture of new oil-soluble artificial resinous compositions which comprises condensing in an acid medium, a compound selected from the group consisting of the methyl, ethyl, and β-hydroxyethyl ethers of 1:3:5-xylenol and a compound containing a reactive methylene group.

2,003,292
METHOD OF AND APPARATUS FOR REGULATING CONSTANT VOLUME EXPLOSION CHAMBERS
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application October 21, 1931, Serial No. 570,106
In Germany October 30, 1930
13 Claims. (Cl. 60—41)

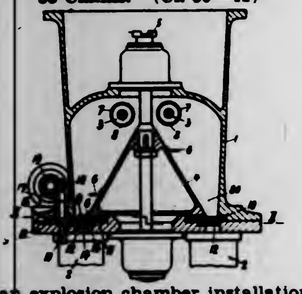


1. The combination with a constant volume explosion chamber having pressure fluid-controlled inlet and outlet members, of a rotary distributor for controlling said members periodically.

said distributor comprising a rotary element provided with a spiral enlargement along whose edges the effective control points of a controlled member lie, and means for displacing said rotary element axially whereby the advance or retardation of the controlling edges relatively to the rotation of the distributor may be varied.

2,003,293
EXPLOSION CHAMBER

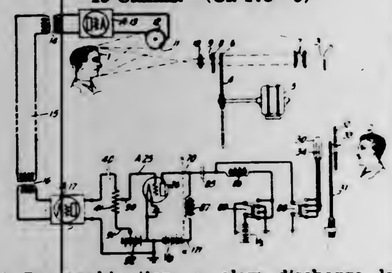
Hans Holzwarth, Duesseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application August 17, 1932, Serial No. 629,218
In Germany August 19, 1931
35 Claims. (Cl. 60—41)



1. In an explosion chamber installation of the kind herein referred to, means for controlling the delivery of primary mixtures of pulverulent fuel and air to the inlet of the explosion chamber proper, said controlling means comprising a primary chamber, means for the continuous delivery of pulverulent fuel to said primary chamber, a secondary chamber, a duct between said primary and secondary chambers, means for intermittently admitting fuel from said duct to said secondary chamber, means associated with said primary chamber for controlling the rate of flow of the pulverulent fuel from said primary chamber into said duct, means for the admixture of air with the charges of pulverulent fuel intermittently admitted to said secondary chamber, means for releasing the mixture of fuel and air from the secondary chamber and means for transferring the primary mixture so released to the point of its admission into the explosion chamber.

2,003,294
TELEVISION SYSTEM

Joseph W. Horton, Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1927, Serial No. 230,418
Renewed June 22, 1931
19 Claims. (Cl. 178—6)



1. In combination, a glow discharge lamp, means for applying varying voltage to said lamp, a circuit across said lamp, a source of unidirectional voltage in said circuit, and means in said circuit, substantially free from inductance, for passing direct current and suppressing current variations.

2,003,295
CELLULOSE DERIVATIVE COMPOSITION

Emmette F. Izard, Elsmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 9, 1932, Serial No. 646,498
12 Claims. (Cl. 106—40)

1. A composition comprising a cellulose derivative and a bis-aryl ether of a polyglycol, the aryl radical being taken from the group consisting of phenyl and naphthyl radicals containing a substituent of the class consisting of methyl, ethyl, phenyl, cyclohexyl, fluorine, chlorine, bromine, methoxy, ethoxy, butoxy, and carbomethoxy.

2,003,296
METHOD OF MAKING DEOXIDIZED COPPER

Herbert C. Jennison, Bridgeport, and Richard B. Montgomery, Seymour, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application September 9, 1933, Serial No. 688,826
10 Claims. (Cl. 75—62)

1. A method of making deoxidized copper comprising melting a plurality of succeeding charges of copper of approximately the same weight and composition under reducing conditions, exposing the succeeding melts to oxidizing conditions for the same definite period of time to permit escape of gases, stirring carbonaceous material similar in composition to partly burned or calcined charcoal into the copper and for the same definite period of time for each melt, and adding to each melt deoxidizer which does not form a reaction product which is gaseous at room temperature upon combining with the oxygen of the copper and sufficient in amount to deoxidize the copper.

2,003,297
ALUMINUM ALLOY

Fred Keller and Richard S. Merritt, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 29, 1934, Serial No. 742,006
5 Claims. (Cl. 75—1)

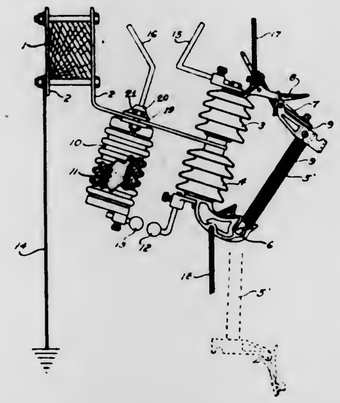
1. An aluminum base alloy comprising from about 0.1 to 3.5 per cent magnesium, 0.1 to 0.45 per cent copper, 0.1 to 1 per cent manganese and 0.1 to 0.5 per cent chromium, the balance being aluminum.

2,003,298
ELECTRICAL PROTECTIVE APPARATUS

George N. Lemmon, Homewood, Ala., assignor to Southern States Equipment Company, Birmingham, Ala.
Application December 19, 1931, Serial No. 582,047
7 Claims. (Cl. 175—30)

5. Electrical protective equipment which includes a metal base supporting two spaced terminals each insulated from the base, a container and a fuse within it connecting the said terminals, a discharge arc-gap between each of the

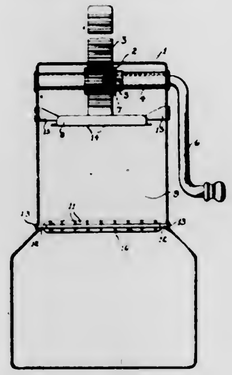
said terminals and the said base, and a resistance



forming part of the discharge path from one the terminals across the gap to the base.

2,003,299
DEVICE FOR CUTTING AND PRESSING VEGETABLES AND THE LIKE

Harold J. Marlowe, Brooklyn, N. Y., assignor to Marlowe Devices, Inc., a corporation of Delaware
Application March 24, 1932, Serial No. 600,854
1 Claims. (Cl. 100—42)



A device for pressing fruit and vegetables or the like comprising a single sheet of metal bent in the form of an open frame, having a base, side walls and a top portion, a pair of horizontally arranged pressing members, one positioned above the base and sustained in position by means formed integrally with the side walls of the frame, and the other movably mounted above the first and having projections slidably engaging in guide slots likewise formed in the side walls of the frame, and means for operating the movable member to exert pressure upon an object positioned between the pressing members, said means including a shaft journalled in the side walls below the top portion, a pinion carried by the shaft, a rack associated with the movable pressing member and cooperating with the pinion, and a handle for turning the pinion.

2,003,300
FIRE EXTINGUISHING DEVICE

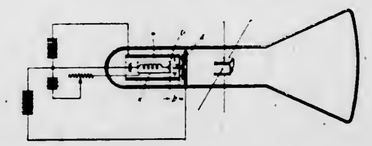
Charles H. Meigs, New York, N. Y., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1932, Serial No. 604,406
1 Claim. (Cl. 169—36)



A fire extinguisher comprising a fragile, one-piece, hermetically-sealed glass container containing powder adapted to extinguish fires, and a gas under pressure.

2,003,301
ELECTRON TUBE

Fritz Michelssen and Johann Richter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 17, 1932, Serial No. 633,556
In Germany November 30, 1931
2 Claims. (Cl. 250—27.5)



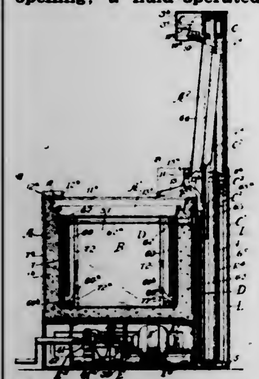
1. A cathode ray tube having means to produce a concentrated electron ray pencil comprising an envelope including a source of cathode rays, an anode electrode, a concentrating electrode surrounding the source of cathode rays and protruding beyond the source in the direction of the anode, said concentrating electrode member having its edge portion nearest the anode protruding beyond the source of cathode rays for a distance which is greater than the dimension obtained from the square root of the surface area of the cross-section of the cathode source taken at right angles to its axis and less than half the aperture diameter of said concentrating electrode.

2,003,302
SAFE STRUCTURE

William C. Miller and Albert L. Abbott, Canton, Ohio, assignors to Diebold Safe & Lock Co., Canton, Ohio, a corporation of Ohio
Application August 2, 1933, Serial No. 683,384
30 Claims. (Cl. 109—1)

1. In a safe: a safe-body having a door-opening in its top; an upwardly opening door seated in

said door opening; a fluid-operated door-lift;

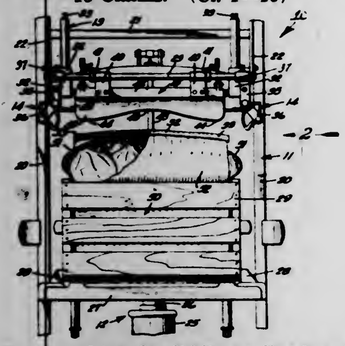


and means for forcing fluid into and exhausting the same from said door-lift.

2,003,303
A PROCESS FOR THE CATALYTIC CONVERSION OF HYDROCARBONS
Waldemar O. Mitscherling, Bridgeport, Conn., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn., a corporation of Connecticut
No Drawing. Application November 27, 1931, Serial No. 577,561
18 Claims. (Cl. 260—156)

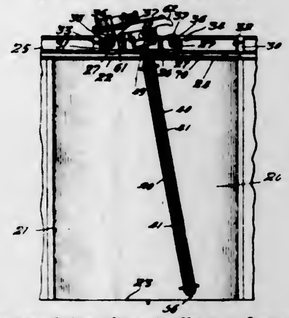
1. A process for the conversion of liquid hydrocarbons into oxygenated compounds which comprises subjecting said hydrocarbons in the presence of a catalytic material containing an oxidizing agent and of a metal compound which increases the electrical conductivity of the hydrocarbon undergoing treatment to the action of radiations from a rare gas lamp.

2,003,304
LIDDING MACHINE
Hale Paxton, Redlands, Calif., assignor to Paxton Credit Corporation, Sanger, Calif., a corporation of California
Application September 6, 1932, Serial No. 631,790
16 Claims. (Cl. 1—10)



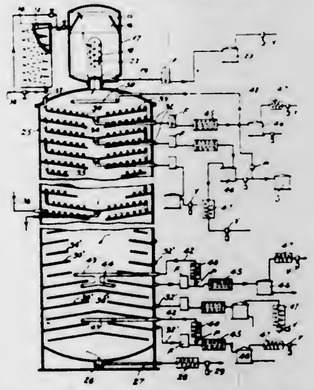
1. In a machine for lidding a lined and overfilled shipping crate with portion of said liner folded over the top of the contents of said crate and with excess top portions of said liner disposed over end portions of said contents, the combination of: means for pressing a lid onto said crate so as to bow the ends of the lid downwardly against the ends of the crate permitting the middle of the lid to be bowed upwardly by said contents; and means for tucking slack occurring in said liner along the sides of said crate, as said lid is pressed onto said crate, downwardly a given distance inside the upper side slats of said crate at the middle of said slats and greater distances at the ends of said slats.

2,003,305
REVOLVING DOOR
Edmund Peremi, Manhasset, and Charles Kish, Elmhurst, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York
Application September 17, 1932, Serial No. 633,584
9 Claims. (Cl. 20—18)



9. In a revolving door trolley, a frame, wheels mounted on the frame, latches movably mounted on the frame, a door column carrier member mounted on the frame in such a way as to have tilting movement with respect thereto, and means carried by said carrier member and operated by tilting movement of the carrier member to actuate said latches.

2,003,306
METHOD AND APPARATUS FOR DISTILLATION
John Perl, Los Angeles, Calif.
Application October 26, 1929, Serial No. 402,651
12 Claims. (Cl. 196—94)



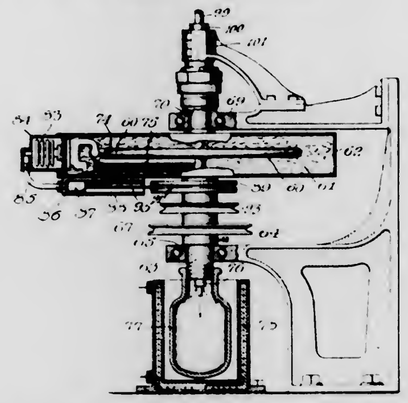
1. A method for the fractional separation of petroleum by distillation with elimination of vapor head, comprising providing a distilling body of the petroleum stock, withdrawing vapors from the distilling liquid at a point at least as low as approximately the surface thereof to eliminate substantially all vapor head from the distilling surface, continuing the vapors in a path at least as low as said point to maintain said elimination of vapor head, and removing the products of vaporization from the system at points at least as low as said point of withdrawal.

2,003,307
CONTAINER COVER
Albert F. Pityo, Clifton, and Joseph Frank Mitchell, Parsippany, N. J.
Application April 3, 1933, Serial No. 664,114
5 Claims. (Cl. 215—38)



1. A container cover comprising a container mouth covering portion, a skirt portion depending therefrom having flaps ending in interlapped tabs, alternate tabs being primarily the longer and brought to equal length with the intermediate tabs by the folding of their end parts for assisting in holding the cover on the container, and fastening members having portions lying on and spanning the outer middle parts of said intermediate tabs and portions passed through the adjacent interlapped tabs.

2,003,308
CENTRIFUGAL FRACTIONATING METHOD AND APPARATUS
Walter J. Podbielniak, Chicago, Ill.
Application August 10, 1932, Serial No. 628,152. Renewed August 23, 1934. In Canada August 12, 1931
23 Claims. (Cl. 202—198)



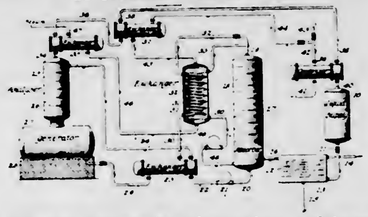
1. In apparatus of the character described, a spirally coiled, laterally closed conduit, means for rotating the conduit around the axis of the spiral, each end of the conduit having a portion extending to the axis of the spiral, and means for supplying a fluid to the conduit extension for the outer end of the spiral, and means for withdrawing fluid from the conduit extension of the inner end of the spiral.

2,003,309
LIGHTWEIGHT ARTICLE AND METHOD OF MANUFACTURING THE SAME
Edward R. Powell, Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 13, 1932, Serial No. 646,961
19 Claims. (Cl. 25—156)



10. In making an article comprising ceramically bonded fibers, the method which includes forming an aqueous mixture of heat-resistant fibers with a binder containing clay, shaping the mixture, removing water therefrom, and then firing the product at a temperature adapted to cause vitrification of the binder but below the temperature of slagging of the fibers.

2,003,310
REFRIGERATION
Fred D. Rexwinkle, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 4, 1932, Serial No. 615,396
11 Claims. (Cl. 62—179)

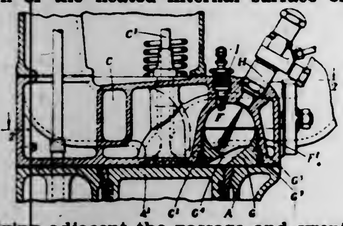


1. In an ammonia absorption refrigeration process, the step comprising absorbing ammonia vapors at sub-atmospheric pressures in a fused metal salt consisting of calcium nitrate.

2,003,311
INTERNAL COMBUSTION ENGINE OF THE LIQUID FUEL INJECTION COMPRESSION IGNITION TYPE
Harry Ralph Ricardo, London, England
Application November 13, 1931, Serial No. 574,885
In Great Britain January 13, 1931
7 Claims. (Cl. 123—32)

1. In an internal combustion engine of the liquid fuel injection type, the combination with a cylinder, of means defining a combustion chamber communicating with said cylinder and forming the major portion of the compression space at the end of the compression stroke, said means comprising a structure providing a pocket having a mouth and a heat retaining plug disposed within the mouth, said plug being provided with a passage therein of substantial length through which the entire volume of burning gas flows during the working stroke from the combustion chamber into the cylinder bore and through which substantially the entire air charge is delivered and during the compression stroke caused to sweep about the internal surfaces only of said pocket and plug, and a fuel injection device delivering a jet of fuel so directed as to project substantially the whole of the fuel charge toward

and with sufficient velocity to cause particles of fuel which may be unburned to impinge on a portion of the heated internal surface of said



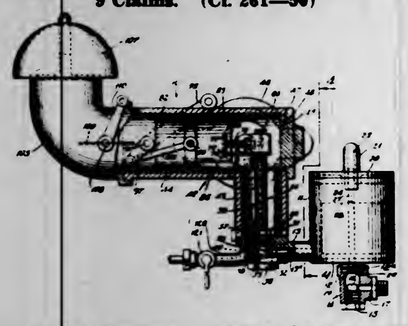
plug lying adjacent the passage and swept over by the circulating charge as it approaches the passage.

2,003,312
SUCTION CLEANER FLOOR TOOL
Frederick Riebel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application April 3, 1934, Serial No. 718,828
11 Claims. (Cl. 15—155)



1. In a suction cleaner, a floor tool having an end socket, a supporting roller, a mounting bracket for said roller comprising a leaf spring on one end of which said roller is journalled, said bracket projecting longitudinally into said socket, and means for attaching its opposite end to the floor tool, for carrying the weight of the floor tool to the roller through said bracket, and for adjusting the height at which said floor tool is supported by the roller, said means being located at the inner end of the socket so that the bracket may swing vertically the full height of the mouth of said socket, in any of its several positions of adjustment, under pressure applied to the floor tool.

2,003,313
CARBURETOR
Charles A. Rosier, New York, N. Y.
Application June 14, 1933, Serial No. 675,653
9 Claims. (Cl. 261—50)

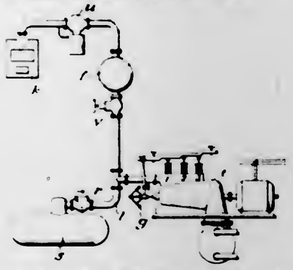


1. In a carburetor, a member having a cylindrical portion, a second cylindrical portion extending at right angles to said first cylindrical portion and having an outlet adapted to communicate with the manifold of an engine, a tubular fuel supply member extending within said first cylindrical portion and projecting into said second cylindrical portion, means for supplying fuel to said tubular member, said tubular member having an axial opening, a valve stem slidably mounted on said tubular member and disposed at right angles to and crossing said axial opening, a sleeve slidably mounted within and engaging the inner surface of said second cylindrical portion and adapted to control said outlet, and means for causing sliding movement of said sleeve and said valve stem.

2,003,314
WATER PURIFICATION
Brinton Russell and Cecil B. Russell, Norristown, Pa., assignors to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 26, 1933, Serial No. 653,750
4 Claims. (Cl. 210—9)

1. In the art of water purification, the step which consists in bringing into contact with a flowing stream of the water to be purified, substances consisting of burned clay and carbonized material.

2,003,315
STEAM POWER INSTALLATION FOR MOMENTARY RESERVE
Johannes Ruths, Djursholm, Sweden, assignor to Ruthsaccumulator Aktiebolag, Berlin, Germany, a corporation of Sweden
Application April 6, 1931, Serial No. 528,067
In Germany April 5, 1930
4 Claims. (Cl. 60—94)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

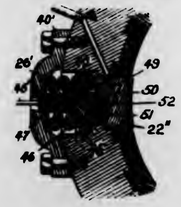


1. In a power plant having a boiler, an accumulator, a turbine, means to conduct steam to the turbine from the boiler and from the accumulator, said turbine having a plurality of steam inlets at points of different pressure, valves for controlling supply of steam to said inlets, and means responsive to the speed of the turbine for successively opening and closing the valves, the last mentioned means operating on decrease of speed to open the valves in the order of decreasing pressure, the combination therewith of means operable when the boiler starts to supply steam to the turbine to cause this steam to produce an increase in turbine speed for closing one or more of the valves in the low pressure inlets of said turbine.

2,003,316
HIGH SPEED BEARING
Alexander E. Schein, New York, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 13, 1932, Serial No. 586,256
In Great Britain December 19, 1931
9 Claims. (Cl. 308—73)

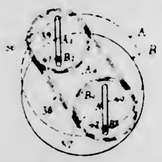
1. As a means for preventing vibration of high speed vertical shaft rotors, the combination with

the main rotor bearings, of auxiliary bearing blocks positioned symmetrically around said shaft, each block having a clearance between said block and said shaft which is less than permissible in



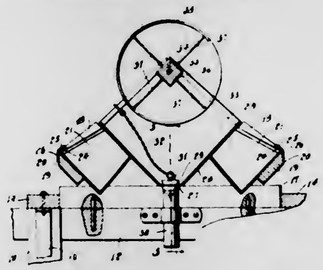
the main bearings, and yielding means for permitting said blocks to retreat to the surface of the main bearing under more than a predetermined load.

2,003,317
POWER TRANSMISSION
Carl Bruno Strandgren, Versailles, France
Application October 25, 1933, Serial No. 695,188
In France November 26, 1932
5 Claims. (Cl. 74—68)



1. In a power transmission device, a driving member and a driven member adapted to rotate about respective axes, at least two rotary discs loosely mounted upon one of said members and each provided with a diametral slot, said slots being parallel, a coupling connection between said discs and at least two rollers loosely mounted upon the other of said members, each roller engaging the slot of one of said discs.

2,003,318
POULTRY FEEDING AND WATERING DEVICE
Carl L. Thomsen, Milwaukee, Wis.
Application February 2, 1934, Serial No. 709,513
5 Claims. (Cl. 119—61)



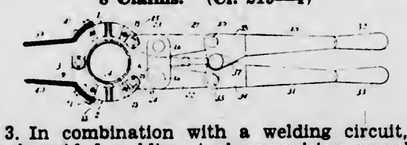
1. In a poultry feeding and watering device, an elevated supporting frame including spaced substantially parallel bars, troughs, means to support said troughs on said bars, and another trough supported by and between said first mentioned troughs.

2,003,319
LIGHTWEIGHT CERAMIC ARTICLE AND METHOD OF MAKING THE SAME
Bailey Townshend, Westfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 13, 1932, Serial No. 646,962
20 Claims. (Cl. 25—156)



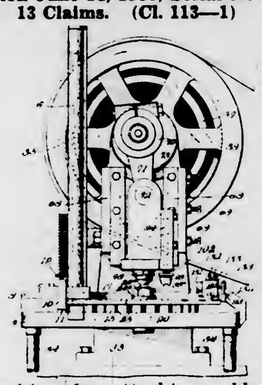
8. In making a ceramic product provided with voids partly filled with fibrous material, the method which comprises treating heat-resistant fibers with a water-repellent material to render the fibers water-resistant, making a plastic mixture of the treated fibers, clay and water, and shaping, drying, and firing the mixture to develop a ceramic bond, with preservation of the shape of approximately the original fibers.

2,003,320
WELDING DEVICE
James E. Trainer, Fairlawn, and Crawford Ziegler, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application December 9, 1931, Serial No. 579,848
8 Claims. (Cl. 219—4)



3. In combination with a welding circuit, a work guided welding tool comprising movable electrode means carrying a part to be welded to the tool guiding portion of the work, means for performing welding engagement between the work parts, and means for closing the welding circuit.

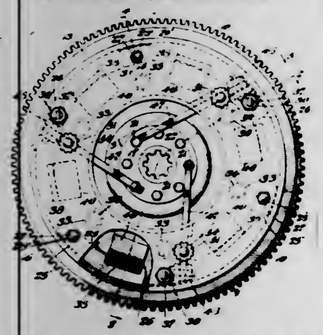
2,003,321
MACHINE FOR ATTACHING KEYS TO CONTAINERS
Alexander A. Trombly, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 14, 1933, Serial No. 675,839
13 Claims. (Cl. 113—1)



1. A machine for attaching solder to keys comprising means for forming a pocket in the

key, means for forcing solder into said pocket in sufficient quantity to fill the pocket, and cause the solder therein to be frictionally held in the pocket, means for severing the surplus solder projecting from the pocket, and an intermittently rotated turret for supporting the keys and for presenting the same in succession to the pocket forming means, the solder applying means and the severing means.

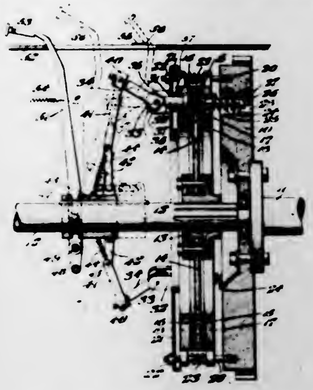
2,003,322
AUTOMATIC CLUTCH
Henry H. Vail, Camden, N. J., assignor to Automatic Drive and Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application November 29, 1927, Serial No. 236,419
Renewed May 12, 1932
18 Claims. (Cl. 192—105)



1. A clutch mechanism comprising a driving shaft, a fly-wheel connected to said driving shaft, a driven shaft, a clutch disc arranged to rotate said driven shaft, a clutch plate mounted to rotate with said fly-wheel but movable into and out of face contact with said disc, a backing plate on the opposite side of said disc from said clutch plate and mounted to rotate with said fly-wheel but movable towards and away from said disc, a housing connected to said fly-wheel and enclosing said plate and disc parts, abutment means in the path of movement of said backing plate to limit the movement of said backing plate towards said disc, a plurality of springs holding said backing plate against said limit means, centrifugal devices for controlling the movement of said clutch plate whereby the frictional engagement of said plates with said disc varies with the speed of rotation, and manually operable means for shifting said backing plate to declutched position.

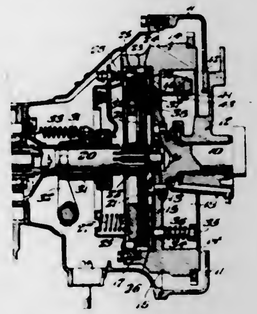
2,003,323
AUTOMATIC CLUTCH
Henry H. Vail, Camden, N. J., assignor to Automatic Drive and Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application December 28, 1928, Serial No. 329,007
23 Claims. (Cl. 192—105)

15. In a clutch mechanism, driving and driven members providing radial frictional surfaces cooperating with each other for engagement and disengagement; a reaction member mounted for synchronous rotation with said driving member; means for causing separation of said driving and reaction members and engagement of said driving and driven members when said driving member attains a predetermined speed, said means comprising a plurality of levers carried by said reaction member and having portions acting upon said driving member and reacting against surface portions of said reaction member, said levers projecting away from, and being wholly



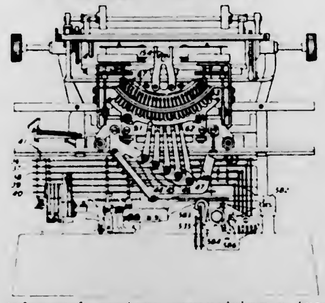
disposed to that side of said driving member against which they act, and having centrifugally operable weights carried thereby, and means for establishing a yielding contact pressure between said driving and driven members when the latter are engaged under the influence of said levers.

2,003,324
AUTOMATIC CLUTCH DEVICE
Henry H. Vail, Camden, N. J., assignor to Automatic Drive and Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application October 15, 1930, Serial No 488,757
7 Claims. (Cl. 192—105)



1. A clutch mechanism comprising a fly-wheel provided with a web; a pair of clutch plates carried by said fly-wheel; a clutch member disposed between said plates; a driven member non-rotatively secured to said clutch member; means to resiliently urge both of said plates and said member toward said web; manually operable means to withdraw one of said plates against the action of said resilient means; and centrifugally operated mechanism comprising a plurality of weight levers extending through and fulcrumed in recesses in said web to force the other of said plates and said member against said first plate and said resilient means.

2,003,325
TELEGRAPH SYSTEM
Edward F. Watson, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 4, 1933, Serial No. 650,197
Renewed August 4, 1934
6 Claims. (Cl. 178—4)



1. A telegraph system comprising a transmitter for transmitting permutation telegraph signals, a conductive transmission line connected thereto, a receiving printing mechanism connected to said conductive transmission line, a group of selector vanes controlling said printing mechanism in accordance with the received telegraph signals, a second transmitter mechanism associated with said receiving printer, means for connecting said second transmitter to said group of selector vanes in said printer mechanism, a second conductive transmission line connected to said second transmitter and a second receiving printer connected to said second conductive transmission line, said second receiving printer being located near said first transmitter.

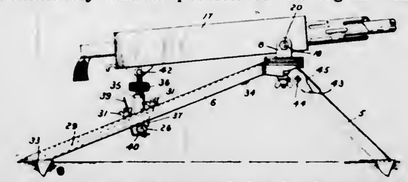
2,003,326
CONTAINER
Charles P. Wellman, Medford, Mass.
Application January 14, 1933, Serial No. 651,698
10 Claims. (Cl. 229—23)



1. A knockdown container of the character described comprising telescoping tubular body and end closure portions, said end closure portion including an end wall and surrounding side walls, tab projections arranged in wedge formation fixed to certain of said side walls, and free end tongues projecting from said body adapted to interlock with said tab projections and retain said body and closure portions in assembled set up relationship.

2,003,327
SUPPORT
John H. Woodberry, United States Army, Fort Bliss, Tex.
Application June 23, 1933, Serial No. 677,287
3 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a gun mount, a pair of legs foldable in a substantially common plane, a rod housed in the front part of one leg, a similar rod housed in the rear part of the other leg, said rods each having an angled end inserted through an approximately central portion of the leg in which



it is housed, means on each leg freely supporting the other end of the rod, a nut on each angled end, a sleeve on each rod, and a cross-bar pivotally carried by the sleeves.

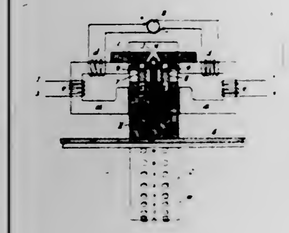
2,003,328
APPARATUS FOR TRAFFIC CONTROL
Robert H. Worrall, Washington, D. C.
Application January 30, 1933, Serial No. 654,201
1 Claim. (Cl. 177—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a traffic control system for intersecting streets, a "go" signal and a "stop" signal for each street, a switch arm individual to each street, a contact arc with an insulating segment at one end over which said switch arm is adapted to pass, spring means for moving said arm in one direction, electromagnet means for moving said arm in the other direction toward the insulating segment, means associated with said arm opposing said electromagnetic means for controlling the passing of said arm over said arc with respect to a predetermined interval of time, means comprising traffic actuated devices for deenergizing said electromagnetic means permitting said spring means to move said switch arm, a signal and control shifting circuit associated with each street comprising a signal shifting relay, a time delay relay and an interlocking relay in series with said switch arm, contact arc and a source of potential, said interlocking relay in the said signal and control shifting circuit of one street having a front contact and a back contact each of which energizes the said switch arm electromagnetic means associated with the other street and another back contact which closes the control circuit associated with the said other street, said time delay relay and said insulating segment operating to open said signal and control shifting circuit and said in-

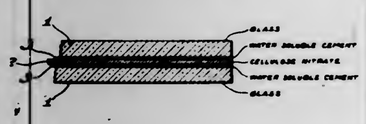
terlocking relay, in moving from its front to its back contacts, operating to shift control to the other control circuit.

2,003,329
HIGH SPEED KEYING
Lloyd L. Young, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 5, 1931, Serial No. 573,057
9 Claims. (Cl. 250—17)



1. The combination of a transmitter tape having signal perforations therein and an electromagnetic circuit, of plungers or pins in said circuit cooperating with said perforations in said tape to change the reluctance or reactance in said electromagnetic circuit.

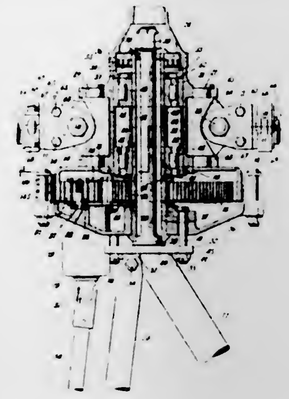
2,003,330
LAMINATED GLASS
John C. Zola, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application February 17, 1934, Serial No. 711,701
4 Claims. (Cl. 49—81)



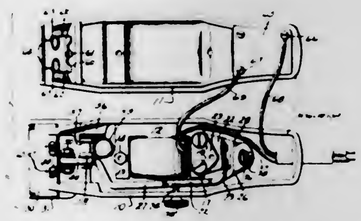
1. A plate of laminated glass comprising a pair of glass sheets with an interposed sheet of plasticized cellulose nitrate which is water repellent and has high strength at low temperatures, and a layer of cement between the opposing faces of the glass and plastic sheets comprising a water soluble cement and a high boiling solvent from the group consisting of monoacetyl diglyceryl ether, and diglyceryl ether.

2,003,331
AIRCRAFT HAVING SUSTAINING ROTORS
Heraclio Alfaro, Abington, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application December 9, 1931, Serial No. 579,853
13 Claims. (Cl. 244—19)

1. In an aircraft having a sustaining rotor and a prime mover, a mechanism for driving the rotor including a driving connection extended between the prime mover and the rotor, a clutch in said connection, and means for limiting the torque transmittible through the clutch to a predetermined value including a clutch back-off device associated therewith.



2,003,332
POWER DRIVEN VIBRATOR
Mathew Andis, Racine, Wis.
Application July 23, 1932, Serial No. 624,191
13 Claims. (Cl. 30—1)

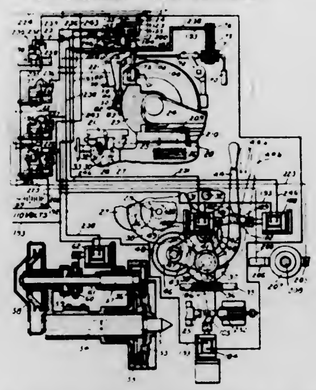


1. A hair clipper having a vibratory cutter blade in combination with a rigidly connected actuating arm movable in a plane to which the cutter blade is oblique, and a pivotal support for said arm perpendicular to the plane in which the cutter blade vibrates, the actuating arm having spherically rounded members, the cutter blade having brackets provided with concave sockets to receive said members, and means for clamping the brackets and rounded members together in a predetermined position.

2,003,333
METHOD AND MATERIAL FOR PREVENTING THE TARNISHING OF SILVERWARE
Kenneth H. Barnard, West Newton, and Henry F. Kane, Lawrence, Mass., assignors to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
No Drawing. Application May 17, 1933, Serial No. 671,596
6 Claims. (Cl. 23—241)

1. A fabric for protecting silverware from tarnish comprising a material suitable for wrapping, impregnated with silver ferrocyanide.

2,003,334
CALIPER CONTROLLED GRINDING MACHINE
Albert G. Belden and Raymond A. Cole, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 25, 1931, Serial No. 553,066
41 Claims. (Cl. 51—165)



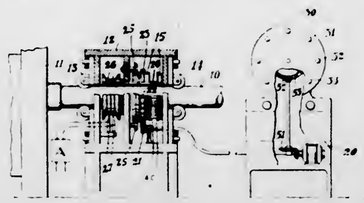
25. A grinding machine comprising a rotatable grinding wheel and a work support which are relatively movable to feed the wheel into the work, a power driven, automatically actuated wheel feeding mechanism connected to move the wheel either toward or away from the work at a continuous and uniform rate for an indefinite time, a gaging device having a feeler which contacts with the work and moves in response to a reduction in size of the work, mechanism responsive to the movement of said feeler to a predetermined position which causes said feeding mechanism to stop the infeed of the wheel into the work, means including a time delay device cooperating therewith which permits the wheel to remain in grinding contact with the work for a predetermined time after the grinding feed has been stopped, positively actuated means to actuate the feeding mechanism, and means responsive to said time delay device to positively control said positively actuated means and separate the wheel and work.

2,003,335
THERMO-NONCONDUCTING WATER REPELLENT PACKING MATERIAL
Carl A. Black, Cleveland Heights, Ohio, assignor to The Ric-Wil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 12, 1927, Serial No. 212,604
2 Claims. (Cl. 106—18)

1. A thermo-non-conducting packing material, comprising a mass of non-adhering, loosely associated asbestos fibers which have been treated with a soap of a bivalent metal to render them water repellent.

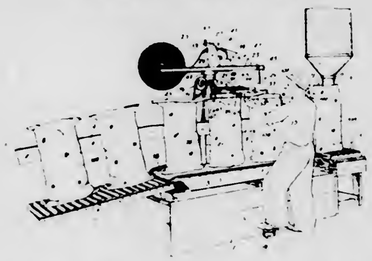
2,003,336
INDICATING DEVICE FOR FLAW DETECTOR MECHANISM
Fred D. Braddon, Eltingville, and Alfred N. Lawrence, Lawrence, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application November 11, 1933, Serial No. 697,566
9 Claims. (Cl. 175—183)

1. In a flaw detector mechanism for tubular conductors, flaw responsive means, means for causing said responsive means to travel around the periphery of the conductor under test, a plurality of indicators arranged to correspond to the periphery of the conductor under test, and means whereby said



responsive means actuates the respective indicator, said means comprising a two-part controller and means whereby one of said parts is operated in synchronism with said responsive means.

2,003,337
BAG CLOSING MACHINE
Charles V. Brady, Webster Groves, and Frank R. Linda, St. Louis, Mo., assignors to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application February 17, 1934, Serial No. 711,702
12 Claims. (Cl. 216—20)

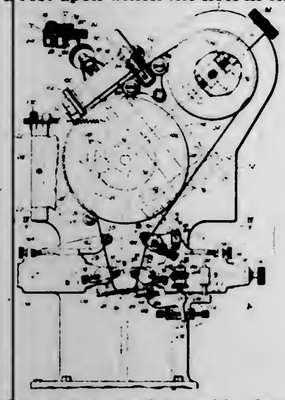


1. A bag closing machine comprising a supporting conveyor adapted to receive and support filled bags having open mouths, means adapted to fold a closure strip and cause the same to cover juxtaposed edges of the bag mouth, means for applying adhesive to the strip prior to application of the same to the bag mouth, and travelling means adapted to receive the bag mouths with the strip thereon to compress the strip over the mouth and to assist the movement of the bag on said supporting conveyor.

2,003,338
COVER TRIMMING MACHINE
Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 15, 1932, Serial No. 593,053
34 Claims. (Cl. 12—42)

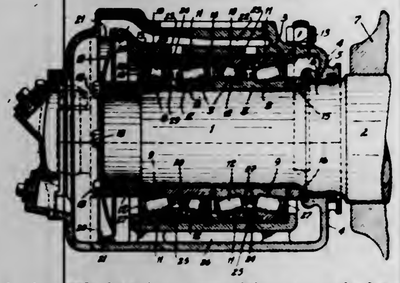
1. A trimming machine having, in combination, a band knife, means constructed and arranged to engage the knife at spaced points to form between said points of engagement an intermediate curved trimming portion which is substantially free from lengthwise tension and is constructed and arranged to trim a portion of a cover laid upon a heel, a gage for positioning the heel lengthwise of the trimming portion of the knife, and a support having a heel-engaging face beyond which said trimming portion projects, the support being constructed and arranged to limit movement of

the heel toward said trimming portion and to serve as a rest upon which the heel in engagement



with said gage is moved to guide the cover laid upon the heel past said trimming portion.

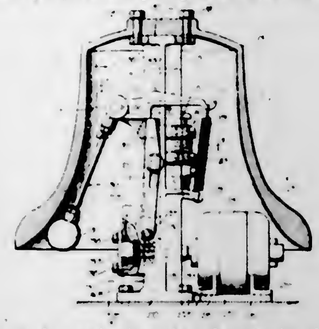
2,003,339
AXLE BEARING
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 7, 1934, Serial No. 710,051
6 Claims. (Cl. 308—180)



1. An axle bearing comprising an axle having a reduced journal portion, bearing cones on said journal portion whose largest diameter is less than the diameter of the body of said axle, bearing rollers and bearing cups cooperating with said bearing cones, cages for said rollers permitting removal thereof without removing said cones from said axle a split journal box extending over the journal portion of said axle and receiving said bearing cups and a wheel on the body of said axle.

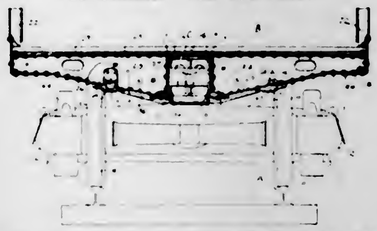
2,003,340
BELL RINGER
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Tructractor Company, Battle Creek, Mich., a corporation of Michigan
Application February 15, 1933, Serial No. 656,908
19 Claims. (Cl. 116—167)

8. A signaling device comprising a bell, a vertically disposed standard supporting said bell, a clapper pivotally mounted on said standard and having an arm rigidly connected therewith, a projection carried by said arm, a generally vertically shiftable push rod movably mounted on said standard and shiftable vertically to engage the projection on said arm to swing the clapper in one direction, the projection engaging portion of said push rod being movable laterally to disengage said projection, spring means associated with



said arm for swinging the clapper in the other direction when said arm is released to strike the bell, and continuously operating means for shifting said push rod.

2,003,341
UNDERFRAME CONSTRUCTION FOR RAILWAY CARS
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1933, Serial No. 665,935
11 Claims. (Cl. 105—228)

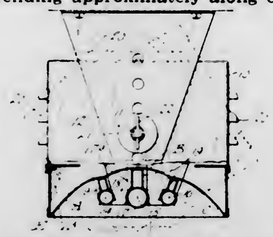


1. In an underframe for railway cars, having a centersill including spaced vertical walls each provided adjacent the lower margin with an outstanding marginal flange and adjacent the upper margin with inwardly directed flanges; a foundation bolster casting positioned between the said vertical walls of the center sill and having integral portions bearing on both the upper and lower flanges of the centersill and united therewith and with the vertical walls of the centersill, said casting including in an integral unit a center plate section and a draft abutment.

2,003,342
LIGHTING APPARATUS
Howard M. Cavanaugh, Buffalo, N. Y., assignor to Claude Neon Displays, Inc., Buffalo, N. Y., a corporation
Application July 30, 1932, Serial No. 626,611
5 Claims. (Cl. 240—11.4)

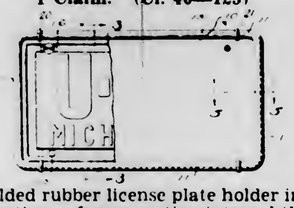
4. An illuminating device comprising a reflector having a trough like, concave, single curved, focusing reflecting surface, divided longitudinally of the trough into a plurality of sections having different foci that lie side by side in proximity to one another and approximately in the same plane but sufficiently away from said surface to enable light rays from any focus to strike a plurality of

said sections directly, and an elongated source of light extending approximately along each focus,



said sources of light emitting light rays of complementary colors, which mix immediately to create an approximately white light.

2,003,343
AUTOMOBILE LICENSE PLATE HOLDER
Clarence R. Davis, Detroit, Mich., assignor to Davis Tool & Engineering Company, Detroit, Mich., a corporation of Michigan
Application February 3, 1933, Serial No. 654,986
1 Claim. (Cl. 40—125)



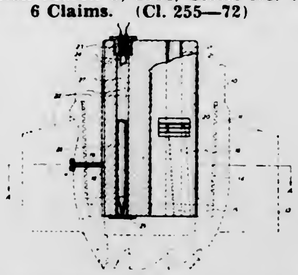
A moulded rubber license plate holder including a body portion, a frame portion integral therewith extending around the sides thereof and adapted to engage the opposite sides of the edges of a license plate held therein, said frame portion being substantially circular in cross section and provided with a continuous groove extending on the inner face thereof and secured to said body portion in such a manner as to conform to the outline of a license plate of predetermined contour to be held therein and to be maintained in intimate contact with the sides and back thereof, and a plurality of spaced apart resilient reenforcing ribs formed integrally in said body and frame portions and extending across said body portion and said frame portion.

2,003,344
PHOTO-ELECTRIC TUBE
Jan Hendrik de Boer and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application May 15, 1930, Serial No. 452,785
In the Netherlands May 16, 1929
11 Claims. (Cl. 250—27.5)



1. A photoelectric cathode having a supporting surface, an intermediate layer comprising a chemical compound and electrically conducting particles on the supporting surface, and a photoactive substance coated upon said intermediate layer.

2,003,345
DEVICE FOR ORIENTING TEST CORES
Elmer L. De Maris, Los Angeles, Calif.
Application March 5, 1934, Serial No. 714,175
6 Claims. (Cl. 255—72)



1. The method of orienting a test core which comprises: impressing a permanent marking on the upper surface of an underground formation by firing an explosive charge and thereby impelling a projectile into said surface, and thereafter forming said core including said marking in a position eccentric to the axis of said core and in a known direction from said axis.

2,003,346
REVERSIBLE RATCHET WRENCH
John S. Dodge, Paxton, Mass., assignor to Harry Sinclair, John H. Dodge, both of Worcester, Mass., and Louis C. Smith, Newton Center, Mass., as trustees
Application March 30, 1934, Serial No. 718,180
2 Claims. (Cl. 81—62)



1. A reversible ratchet tool having a handle portion, a socket-receiving portion provided with a slot in its side face, a socket member rotatable in the socket-receiving portion, two oppositely-disposed pawls pivotally carried by the socket-receiving portion and co-operating with the socket member, each pawl having a flat face, a spring acting on each pawl, a rock shaft extending lengthwise of the handle portion and at right angles to the pawl axes, a pawl-reversing member fast on said rock shaft and having two flat pawl-engaging faces spaced less than 180° apart, there being one face for each pawl, an arm fast to the rock shaft and extending through said slot for

turning the shaft to bring each flat face of the pawl-reversing member into engagement with the flat face of the corresponding pawl, whereby said pawl is held in inoperative position, the pressure of the flat face of the pawl against the flat face of the pawl-reversing member due to the action of the spring serving to yieldingly hold the shaft and pawl-engaging member in its adjusted position.

2,003,347
MANUFACTURE OF CELLULOSE OR CELLULOSIC MATERIALS
Henry Dreyfus, London, England
No Drawing. Application January 25, 1933, Serial No. 653,474. In Great Britain February 16, 1932
2 Claims. (Cl. 92—9)

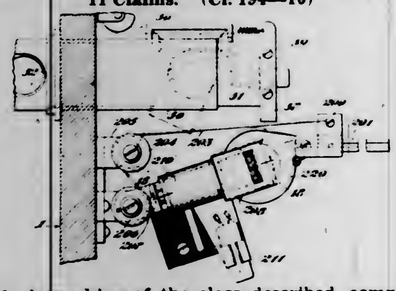
1. Process for the separation of non-cellulosic constituents from lignified cellulose materials which comprises digesting the materials with an aqueous solution of a di-olefine glycol at a temperature between 120° and 180° C.

2,003,348
MACHINE FOR CUTTING AND RESHARPENING THE REEDS OF WIND INSTRUMENTS
Pierre Duisc, Paris, France, assignor to Société Charles Chedeville, Albert Lelandais et Cie, Eure, France, a corporation of France
Application December 26, 1934, Serial No. 759,158
In France November 28, 1934
11 Claims. (Cl. 164—73)



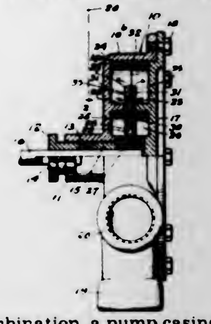
1. A machine for cutting reeds for wind instruments, which comprises, in combination, a frame adapted to support the reed to be cut, a pattern rigid with said frame, a member movable in said frame so as to be able both to slide with respect thereto along a given line and to pivot about said line, means for cutting said reed, and a support for said cutting means pivotally connected with said member and arranged to cooperate with said pattern.

2,003,349
DISPENSING AND GAME PLAYING MACHINE
Clifford R. Dumble, Arlington, Mass., assignor to William B. Spieler, Brookline, Mass.
Application November 25, 1933, Serial No. 699,675
11 Claims. (Cl. 194—10)



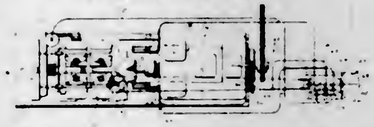
1. A machine of the class described, comprising a casing, a game playing assembly in the casing, a common slide movable to insert a playing disk or coin into the casing and to release the playing assembly for operation when it inserts either a disk or coin, and selector means to direct a disk thus inserted to one part of the machine and a coin to another part of the machine, said selector means including a swinging assembly movable on insertion of a coin or disk to receive the coin and direct it in one direction and being arranged to retain a disk until it swings to another position whereupon it automatically releases the disk.

2,003,350
PUMP
Augustus C. Durdin, 3d, Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application October 13, 1933, Serial No. 693,439
3 Claims. (Cl. 103—96)



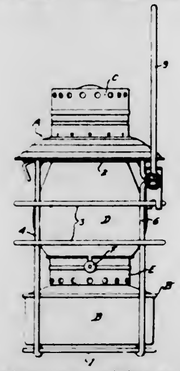
1. In combination, a pump casing having a suction inlet, a discharge outlet and a single raceway therebetween having side and inner and outer end walls, an impeller disc mounted to rotate in said casing with its peripheral portion extending into said race-way, and circumferentially disposed buckets in the side faces of the peripheral portion of the impeller disc having concave bottoms, in the form of arcs of circles struck from centres disposed between the side walls of the race-way and the sides of the impeller disc, whereby liquid is discharged from the outer ends of said pockets in lateral directions against the liquid in the outer portion of the race-way and is directed back into the pockets by the side and inner end walls.

2,003,351
POWER CONTROL
Paul W. Eells, West Allis, Wis., assignor to Le Roi Company, West Allis, Wis., a corporation of Wisconsin
Application February 28, 1931, Serial No. 519,090
5 Claims. (Cl. 60—97)



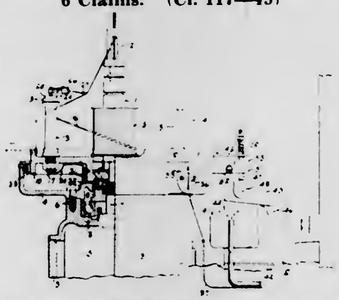
1. The combination with a plurality of power and transmission units having individual shaft controls and power delivery shafts coupled together, of an independently portable remote control station, and means at said station provided with power transmitting connections for the synchronous operation of the controls of the several units.

2,003,352
LANTERN
Roland D. Evans, Granite City, Ill., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 9, 1934, Serial No. 729,788
3 Claims. (Cl. 240—38)



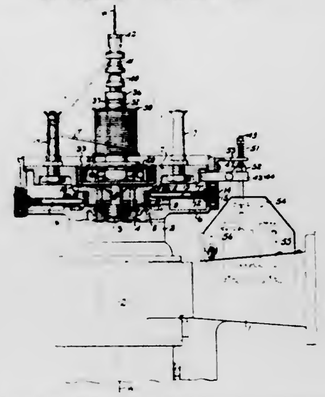
1. A hand lantern comprising a font, a hood, a chimney interposed between said font and said hood, a guard frame arranged to surround said chimney, and a bail for carrying the lantern or suspending same from a support, said bail being connected to said guard frame so that it is disposed adjacent to one side of the lantern, whereby the lantern may be suspended in a substantially vertical position in contact with a vertically disposed support, said guard frame comprising substantially straight, vertically extended guard elements to certain of which said bail is attached and horizontal guard rings secured to said vertically extended guard elements, said vertically extended guard elements being secured to said font, and said horizontal guard rings being of no greater diameter than the greatest diameter of said hood.

2,003,353
AUTOMATIC STOP DEVICE
Charles B. Fantone, Lyndhurst, and Reuben M. Jameson, Teaneck, N. J., assignors to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Application December 15, 1933, Serial No. 702,520
6 Claims. (Cl. 117—45)



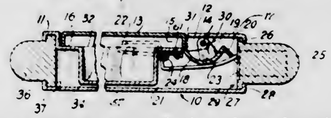
1. A web feeding combination comprising a motor, a generator connected thereto, circuits for energizing said motor, a main contactor in said circuits for controlling said motor, a serving head motor, circuits for energizing the serving head motor from said generator, circuits for controlling the main contactor including start and stop switches, a holding circuit for the main contactor, an electro-magnetically operated switch in said holding circuit, a web serving head operated by the serving head motor and a centrifugally operated switch for controlling the electromagnetically operated switch, said centrifugally operated switch being held against operation by the web.

2,003,354
MACHINE FOR APPLYING A WEB TO A STRAND
Charles B. Fantone, Lyndhurst, and Edward G. Parvin, Roselle, N. J., assignors to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Application August 23, 1934, Serial No. 741,046
19 Claims. (Cl. 117—42)



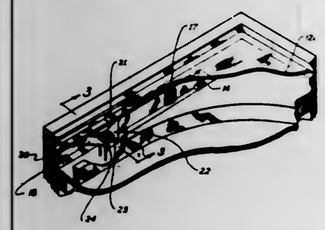
1. A serving head as described comprising a motor, a rotatable support driven by said motor, a cop spindle rotatably journaled on said support, a magnetic brake acting upon the cop spindle to prevent rotation thereof on the support when energized, an energizing circuit for said brake including a control switch, means for biasing said switch to closed position, and means acting to oppose said biasing means to prevent closing of said switch when a web is being fed from a cop on the cop spindle.

2,003,355
VANITY BOX
Eugene Farkas, New York, N. Y.
Application May 22, 1934, Serial No. 726,915
5 Claims. (Cl. 220—35)



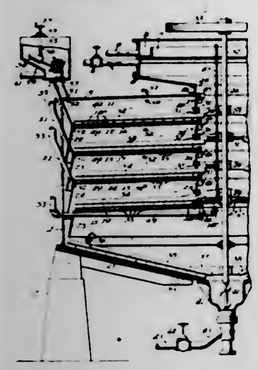
1. In a vanity box of the class described, a hollow body having a recess in its upper face, an opening and a removable closure in its lower face and an opening at one end, a door having an offset hinge member and being pivotally mounted below said upper face, said hinge being concealed from view from outside said box, a push button slidably mounted in said end opening for actuating said door, and contacting means in said button and in engagement with the offset hinge member of said door to open said door into abutment with a limit stop, said hollow body having unperforated and powder-proof containing means between said upper and lower closures.

2,003,356
GAME APPARATUS
Myer Gensburg, Chicago, Ill.
Application May 23, 1934, Serial No. 727,033
3 Claims. (Cl. 273—119)



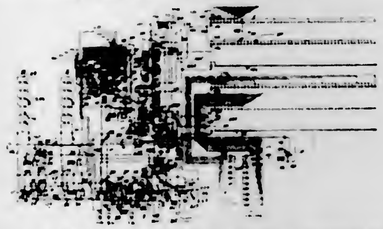
3. A device of the character described, comprising: a member adapted to be mounted in a ball runway of a game apparatus or the like and including portions extending angularly relative to and from each other; means normally urging said member, when in position of use, into a position to dispose one of the said portions of said member in a position out of the path of a ball traveling along said runway while at the same time positioning the other of the said portions of said member in said runway so that the latter may be engaged by a ball traveling thereal ong; said member, when engaged by a ball traveling along said runway in one direction, being pivoted, against the action of said urging means, in a direction to dispose the said first-named one portion of said member in said runway so that the same may be engaged by a ball traveling therealong.

2,003,357
APPARATUS FOR CLARIFICATION
William A. Gilchrist, Chicago, Ill.
Application September 9, 1929, Serial No. 391,427
12 Claims. (Cl. 210—55)



1. In a tank having a plurality of superimposed compartments adapted to contain liquid, means for discharging gas trapped above a body of liquid in each compartment comprising passages upwardly bent intermediate their ends communicating respectively with the interior of each compartment and extending outwardly therefrom, and means for regulating the escape of gas through each passage to retain a gas pocket in the upwardly bent portion of each passage.

2,003,358
SYSTEM FOR INDICATING THE PRESENCE AND LOCATION OF FIRE
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application November 21, 1929, Serial No. 408,740
12 Claims. (Cl. 177—355)



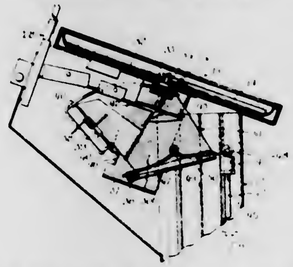
1. An electro-responsive system comprising a plural ty of external circuits each having two circuit wires adapted to be mounted in areas to be protected, a plurality of resistances in each said circuit connected in series therein, a plurality of circuit controlling means bridged across the circuit wires of each said circuit between successive resistances of said series of resistances and adapted to be located within different areas to be protected whereby each circuit controlling means serves to short circuit the resistances in the respective circuit more remote from the circuit responsive means, circuit indicating means for each circuit, area indicating means for each circuit controlling means including a plurality of resistance elements corresponding to the first named resistances, a Wheatstone bridge including the last named indicating means and one of the external circuits with certain of its resistances, means operable upon actuation of a circuit controlling means in an external circuit to connect said circuit as an element of the Wheatstone bridge and to actuate the respective circuit indicating means, and means actuated by the Wheatstone bridge to vary the area indicating means and to balance the second named resistances against the first named resistances included in the Wheatstone bridge for effecting a proper area indication.

2,003,359
ADJUSTABLE NECKTIE
Max Halpern and William Mayer, New York, N. Y.
Application November 28, 1934, Serial No. 755,080
1 Claim. (Cl. 2—155)



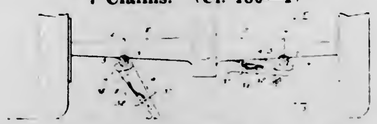
In an adjustable necktie, a neckband tie portion comprising inner and outer plies of tie material stitched to each other along their edges, said portion being doubled back upon itself and being provided with a hook at its end, and a perforated additional strip of material stitched along its edges to the inside surface of said tie portion so that said hook may be engaged with any selected perforation, said strip comprising a length of ribbon selvaged along its longitudinal edges, a reinforcement band stitched to the underside of said ribbon along a medial longitudinal area, and said perforations extending through said ribbon and reinforcement band and being arranged in predetermined longitudinally spaced relation.

2,003,360
WEIGHING SCALE
Marius H. Hansen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1931, Serial No. 577,953
5 Claims. (Cl. 265—68)



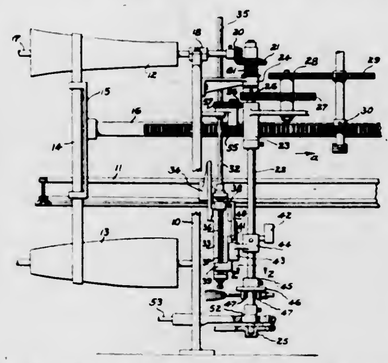
2. In a weighing scale, the combination of weighing mechanism, an indicator having a rotatable element, a pinion for operating said element, a carrier governed in its movement by said mechanism and pivoted on an axis perpendicular to and in the plane of the axis of said pinion, a pivot pin on said carrier extending radially with respect to the pivotal axis of said carrier, a rack pivoted at one end on said pivot pin and formed arcuately and centered on the axis of said carrier, the teeth of said rack facing toward and being engageable with said pinion, and a spring acting between the carrier and the rack to maintain said rack firmly in engagement with said pinion.

2,003,361
PARKING DEVICE FOR AUTOMOBILES
William H. Harless, Patchogue, N. Y.
Application January 19, 1932, Serial No. 587,521
Renewed October 27, 1934
7 Claims. (Cl. 180—1)



1. An automobile parking device comprising a pair of walking bars at each side of the center of the rear axle; means for supporting said walking bars on the axle housing for thrusting against the pavement; shafts extending longitudally of the car and provided with radial arms for the respective walking bars; means for rocking said shafts for alternately thrusting the bars of one pair against the pavement; means connected with the emergency brake lever for connecting and disconnecting said rocking means for operation by the engine of the automobile; and means under manual control of the operator for placing one or the other of said pairs of walking bars in position for thrust against the pavement.

2,003,362
ROVING FRAME BUILDER MOTION
Fred K. Hendrickson, Worcester, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 17, 1933, Serial No. 671,549
1 Claim. (Cl. 118—33)

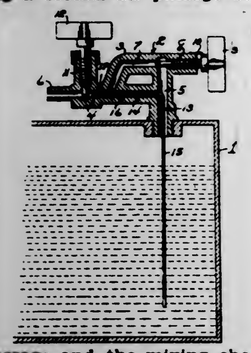


In a roving frame builder motion, a driving shaft, a driven shaft, reversing cone pulleys and a belt constituting a variable speed drive between said shafts, a belt-shifting device, a tumbler shaft geared to actuate said belt-shifting device, a bevel pinion on said driving shaft, an interrupted bevel gear slidable on said tumbler shaft and intermittently engaged by said bevel pinion, means to stop said tumbler shaft after each half revolution and with said bevel pinion and interrupted bevel gear disengaged, yielding means to turn said bevel gear to position for engagement by said bevel pinion on release of said tumbler shaft from said stopping means, a collar fixed on said tumbler shaft and determining the operative axial position of said bevel gear, a second collar fixed on said tumbler shaft, and a spring on said tumbler shaft positioned between said bevel gear and said second collar and forcing said gear yieldingly against said first collar, said spring thereby maintaining said gear yieldingly in position for engagement by said bevel pinion when said tumbler shaft is released, and said collars taking the entire end thrust of said spring in both directions.

2,003,363
CARBURETOR
George F. Hodges and Fernando B. Cota, San Diego, Calif.
Application February 23, 1932, Serial No. 594,755
Renewed April 12, 1934
4 Claims. (Cl. 261—76)

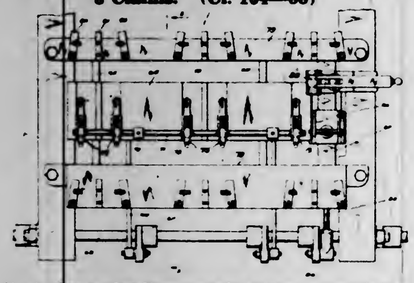
1. A carburetor comprising a body having reduced screw threaded ends arranged at right angles to each other with one end threaded into a tank provided with liquid fuel under air pressure and the other end of said body arranged to be threaded to a burner, said body having a mixing chamber extending through the last-named end, a valve for controlling delivery of combustible mixture from the mixing chamber to the burner, said body having an air passage communicating with the tank to receive air under pressure therefrom, an L-shaped tube arranged in the air passage and the mixing chamber with one end extending into the fuel of the tank and having its other end flared to provide a nozzle spaced from the walls of the mixing chamber and located adjacent the valve, a sleeve mounted on

the tube and engaging the walls of the mixing chamber to close the latter to the air passage, said body having a second air passage between the



first air passage and the mixing chamber, and a valve controlling the flow of air between the air passages.

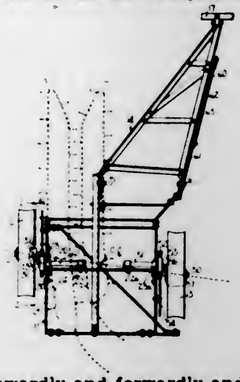
2,003,364
FEEDING MECHANISM FOR PRINTING PRESSES
Hans Irmscher, New York, N. Y., assignor to Millie Patent Holding Co. Inc., New York, N. Y., a corporation of New York
Original application September 23, 1931, Serial No. 564,615. Divided and this application June 28, 1932, Serial No. 619,685
8 Claims. (Cl. 164—88)



7. A tape feeding mechanism comprising a frame, slidable means on the frame, means to reciprocate the slidable means, means on the slidable means to engage a tape frictionally, perforating means on the frame, means actuated by the reciprocating means to actuate the perforating means to perforate tape fed from the friction means, a table, a dog on the table to engage successive perforations made by said perforating means in the tape, said dog normally being urged against the tape by gravity, and means actuated by the reciprocating means to reciprocate the table.

2,003,365
AGRICULTURE IMPLEMENT
Ellsworth T. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 18, 1934, Serial No. 740,378
5 Claims. (Cl. 56—215)

1. An implement comprising a main supporting frame on which the operating parts of the implement are mounted, a pair of supporting wheels on opposite sides of said main frame, means cooperating with said supporting wheels for supporting said main frame with the center of gravity of the implement disposed in a generally transverse vertical plane which passes through the points of contact of said wheels with the ground, and means for swinging one of said



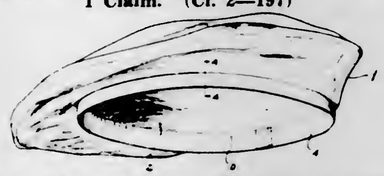
wheels downwardly and forwardly and the other of said wheels downwardly and rearwardly to raise the frame relative to the ground while keeping the center of gravity of the implement in said plane.

2,003,366
FISHING LURE
William M. Jordan, Birmingham, Ala., assignor to South Bend Bait Company, South Bend, Ind.
Application June 24, 1931, Serial No. 546,582
12 Claims. (Cl. 43—42)



1. A lure comprising an elongated relatively thin plate, a hook having its shank extending longitudinally of said plate, and means securing said hook shank to said plate, said plate having a portion thereof at its forward end bent into face contacting relation therewith to form a weighted head end preventing spinning of said plate as it is drawn through the water.

2,003,367
HEADGEAR
Herman Julich, New Rochelle, N. Y.
Application December 15, 1933, Serial No. 702,517
1 Claim. (Cl. 2—197)



A cap of the beret type, the crown of which is composed of relatively inelastic fabric and has a head-receiving aperture therein, a lining covering the inner surface of said crown and extending to the margin of said aperture and an annulus formed of tape secured along one longitudinal margin thereof to the margins of said fabric and to said lining by a row of stitching extending around the margin of said aperture, a head band, comprising an annulus formed of elastic webbing capable of limited extension, whose normal outer periphery substantially

equals the inner periphery of said aperture and said head band also being secured by a separate row of stitching to the fabric of the crown, said lining and to the other longitudinal margin of said tape, which row is below the first mentioned row of stitching.

2,003,368
LUBRICANT
Alfred H. Kelling, Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 10, 1934, Serial No. 706,098
11 Claims. (Cl. 205—19)

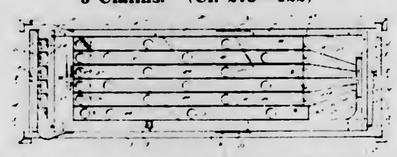
1. A metal drawing lubricant consisting of a viscous, non-crystallizing water solution of a soluble carbohydrate substance, and a sufficient amount of a hygroscopic substance, non-reactive with the carbohydrate and with the metal to be treated, to inhibit drying on exposure of the lubricant to the atmosphere.

2,003,369
SKIVING MACHINE
August Kick, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 12, 1934, Serial No. 734,794
4 Claims. (Cl. 69—9.5)



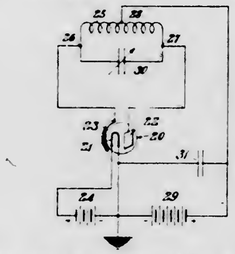
1. A skiving machine having, in combination, a table, a cylindrical knife a portion of which projects through an opening in the table, a feed roll, a presser for cooperating with the roll, and a guard, said guard comprising a base and a member adjustable on said base toward and from the presser.

2,003,370
GAME APPARATUS
John A. Kimball, Taylorville, Ill.
Application January 5, 1933, Serial No. 650,277
5 Claims. (Cl. 273—122)



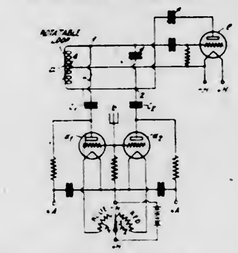
2. In a game apparatus employing a spherical play element, supports, a number of rigid shifter slats extended flat-wise side by side thereon and adapted each for independent longitudinal sliding movement and lateral tilting movement as means for manipulating and directing the play element positioned thereupon means for positioning the play element at one end of the slat assembly for transference to an adjacent slat through the longitudinal movement thereof, and fence strips arranged lengthwise between the slats for directing the course of the play element, there being ports thru the fence strips for permitting the play element to roll laterally from one slat to another.

2,003,371
CONSTANT FREQUENCY OSCILLATOR
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application April 16, 1932, Serial No. 605,644
6 Claims. (Cl. 250—36)



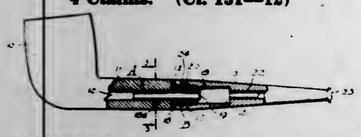
1. In an oscillator, an electronic device including an evacuated envelope having contained therein an anode and a cathode, an electro-static control element or grid located external to said envelope, a resonating circuit comprising a tapped inductance with capacity in parallel connected directly between said anode and grid, and means including a power source for supplying a positive potential to said grid and anode with respect to said cathode through said inductance tap, also means for heating said cathode for the purpose of establishing an electron stream between said cathode and anode.

2,003,372
DIRECTIONAL RECEIVER
Walter Kühlewind, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 16, 1933, Serial No. 657,069
In Germany April 1, 1932
8 Claims. (Cl. 250—11)



1. A direction determining receiver including a non-symmetrical signal absorption member, a thermionic tube connected therewith by way of tuning means, and means for determining the sense of direction of received signals comprising a pair of thermionic tubes having their anodes connected to different sides of said absorption member, their control grids connected to a non-direction aerial, and means for alternately rendering said last named tubes operative and inoperative.

2,003,373
TOBACCO PIPE
David P. Lavietes, Brooklyn, N. Y.
Application January 24, 1934, Serial No. 708,026
4 Claims. (Cl. 131—12)

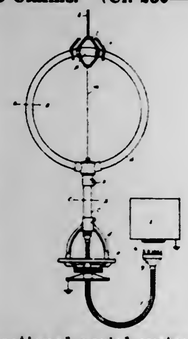


3. In a tobacco pipe of the character described, the combination of a bowl member and a bit therefor, a screw plug to unite the bowl and bit, said plug having a preformed groove in the outer wall thereof, and means inserted in the bowl member to bite into the screw plug and prevent relative movement thereof with respect to the bowl member.

2,003,374
PREPARATION OF CALCIUM ACETYL-SALICYLATE
William H. Lawrence, Jr., Marblehead, Mass., assignor to Lee Laboratories, Incorporated, Cambridge, Mass., a corporation of Delaware
No Drawing. Application July 21, 1932, Serial No. 623,813
6 Claims. (Cl. 260—107)

1. A process of reparing calcium acetylsalicylate which comprises intimately mixing precipitated chalk and finely powdered aspirin, adding water and stirring to complete the reaction at a temperature of not more that 20° C., filtering the supernatant liquor obtained on permitting the mass to settle, digesting the filtrate with a methanol-containing liquid, filtering off the precipitated calcium acetylsalicylate and digesting the residue with an agent which is a non-solvent for calcium acetylsalicylate but which is adapted to reduce the iron content to below 10 parts per million and to have a sufficient avidity for water to reduce the total water content to that of not more than three and one-half molecules when calculated as water of crystallization.

2,003,375
DIRECTION FINDING COIL ANTENNA
August Löb, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 23, 1930, Serial No. 446,477
In Germany June 8, 1929
3 Claims. (Cl. 250—11)



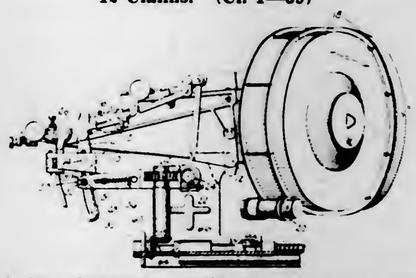
1. In a directional aerial system the combination, of a frame aerial, a conducting closure member therefor, a vertical aerial supported by said closure member symmetrically with respect to said frame aerial, electrical disturbance protective means cooperating with said vertical aerial and said closure member to protect said vertical aerial from electrical disturbances and a receiver adapted to be connected to said aerial system.

2,003,376
RING, BROOCH PIN, BRACELET, AND THE LIKE
Anthony B. Lesmeister, Portland, Oreg.
Application June 9, 1933, Serial No. 675,057
1 Claim. (Cl. 63—15)



An ornamental finger ring comprising a ring having an enlarged and flattened portion on its periphery, a plurality of panels of contrasting colors mounted upon said flattened portion and arranged one above the other, a photograph mounted upon the outermost one of said panels, and a transparent preservative covering applied to said photograph and to said outermost panel.

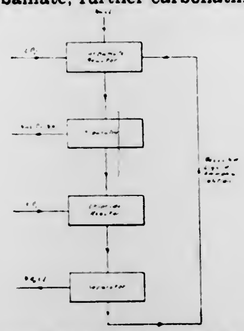
2,003,377
FASTENING-SUPPLYING APPARATUS
Fred L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 9, 1933, Serial No. 692,715
12 Claims. (Cl. 1—39)



1. In a fastening-supplying apparatus, a movable raceway, a pivoted supporting member upon which the raceway rests at its opposite sides, a rotatable member for moving the raceway, a connecting member joining the rotatable member to the supporting member, and means arranged to secure the connecting member to the supporting member at different distances from the pivot thereof.

2,003,378
PRODUCTION AND RECOVERY OF SODIUM CARBAMATE AND AMMONIUM CHLORIDE
Robert Burns MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application March 24, 1932, Serial No. 600,925
4 Claims. (Cl. 23—100)

1. A method of producing sodium carbamate and ammonium chloride, comprising carbonating sodium chloride in liquid ammonia until the solution is approximately saturated with respect to ammonium chloride, separating precipitated sodium carbamate, further carbonating the solu-



tion from which sodium carbamate has been separated, and separating precipitated ammonium chloride.

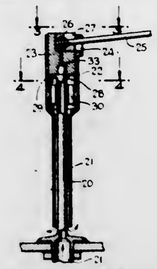
2,003,379
RETAINING CUP FOR LENSES AND THE LIKE
Robert Malcom, Chicago, Ill.
Application December 29, 1932, Serial No. 649,304
1 Claim. (Cl. 2—14)



A retaining cup of the character described comprising a single piece cylindrical shell composed of deformable metal provided at one end with an inturned flange adapted to form a lens-seat, the diameter of the shell adjacent to said flange and rearward of the lens seat being reduced to provide an inwardly bowed portion whereby movement of the lens off its seat is prevented, the cylindrical wall of the shell rearward of said bowed portion being expanded outwardly beyond the normal diameter of the shell and said portion collapsed inwardly upon itself in a reentrant manner and thence bent outwardly to provide an outwardly opening material receiving groove disposed in a forwardly sloping manner while the perimeter of said end is flared outwardly and partially across the open end of said groove to provide an annular material gripping portion.

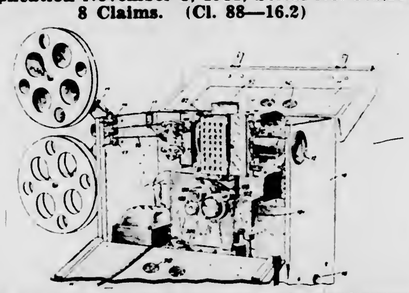
2,003,380
FLOAT OPERATED VALVE
Frank J. Masterson, Brooklyn, N. Y.
Application June 25, 1931, Serial No. 546,764
9 Claims. (Cl. 137—104)

1. In a ball cock of the class described comprising a liquid controlling member, a float, and a connecting member to stop the flow of liquid when the float reaches a definite position, and a pinless, multiple point fulcrum for said connecting member, said connecting member operating on one point of said fulcrum to close off liquid flow and on a different point to open the liquid controlling member, said connecting member being free to rotate about the longitudinal axis, said connecting member being unsecured



at the fulcrum point, said connecting member being attached to and pivoted in said valve member.

2,003,381
PORTABLE TALKING MOTION PICTURE APPARATUS
Russell P. May, Woodbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1931, Serial No. 572,804
8 Claims. (Cl. 88—16.2)

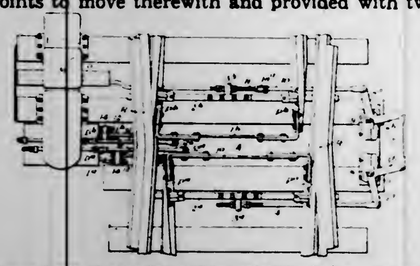


6. Combined motion picture and sound reproducing apparatus comprising a main drive shaft having a momentum member thereon, an irreversible worm upon said drive shaft and separate means driven independently by said worm for driving the motion picture apparatus and sound reproducer, whereby irregularities in the motion of the motion picture apparatus are prevented from affecting the motion of the sound reproducer apparatus.

2,003,382
RAILWAY SWITCH OPERATING APPARATUS
William C. McWhirter, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 23, 1932, Serial No. 600,601, now Patent No. 1,972,663, dated September 4, 1934. Divided and this application April 3, 1934, Serial No. 718,764
10 Claims. (Cl. 246—240)

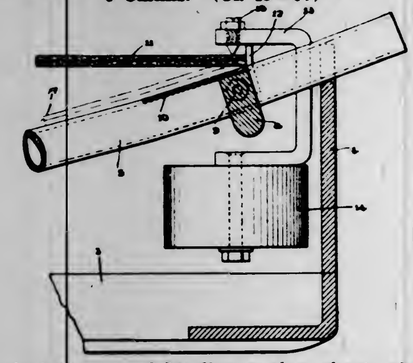
1. In railway switch operating apparatus of the type in which a slide bar is moved to an intermediate position prior to the movement of the operating rod which reverses the switch points and to one or the other of two extreme positions after the completion of the movement of the operating rod depending upon the extreme position to which the switch points have been moved, the combination of two spaced locking dogs secured to the slide bar and located in the same horizon-

tal plane, and a lock rod connected to the switch points to move therewith and provided with two



spaced notches adapted to selectively receive said locking dogs to lock the switch points in their two extreme positions.

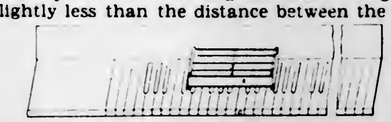
2,003,383
PROCESS AND APPARATUS FOR BENDING GLASS SHEETS
Robert A. Miller, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application December 18, 1933, Serial No. 702,843
9 Claims. (Cl. 49—67)



1. A process of bending a glass sheet, which consists in supporting it above a skeleton form comprising spaced side members of the desired curvature adapted to engage the sheet along its longitudinal side edges, carrying the form and sheet through a heated area where the temperature of the sheet is raised to a point where it will bend and follow the outline of the side member but without sagging between such members, and then carrying them through an area of gradually decreasing temperature.

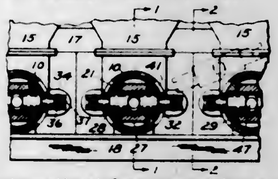
2,003,384
PIANO CHORD PLAYER
Daniel McFarlan Moore, East Orange, N. J.
Application April 5, 1934, Serial No. 719,184
1 Claim. (Cl. 84—443)

A keyboard player comprising a rectangular framework, having vertical sides and channel shaped ends, the channels of which are inwardly disposed, a plurality of rectangular chordbars, each having on its bottom side projections corresponding with selected keys of a keyboard, said chordbars being loosely disposed side by side, inside said frame with their sides directly in contact with one another, and their ends in loose contact with the channel shaped ends of said framework, whereby the ends of the chordbars are limited in their vertical movements, and collectively the width of said chordbars being only slightly less than the distance between the sides



of said framework, whereby side displacement of said bars is prevented solely by said bars and the sides of said framework.

2,003,385
AUTOMATIC STOKER
James P. Norton, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 21, 1931, Serial No. 570,164
5 Claims. (Cl. 110—109)



2. An automatic stoker comprising a plurality of parallel ram casings, fuel feeding rams reciprocable therein, driving connecting rods, and wrist pins pivotally joining the connecting rods to the rams, the wrist pin for each ram being formed in a single piece and extending through openings in the sides of the ram casings, and these openings being of sufficient size to allow the ram to be turned about its axis and the wrist pin withdrawn longitudinally without interference with the adjacent ram casing.

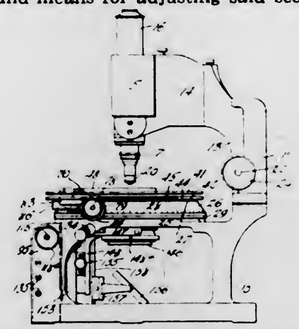
2,003,386
PROCESS FOR THE PRODUCTION OF HYDROXYALKYLATED AMINO COMPOUNDS
Henry Charles Olpin and Sydney Hubert Bannister, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 19, 1930, Serial No. 476,442. In Great Britain September 26, 1929
6 Claims. (Cl. 260—128)

1. Process for the production of hydroxyalkylated derivatives of aliphatic and isocyclic aromatic amino compounds containing replaceable hydrogen attached to nitrogen, which comprises acting on an amino compound selected from the group consisting of isoamylamine and primary aromatic amines of the benzene and naphthalene series with an alkylene oxide in the presence of an inert hydrocarbon medium which is liquid under reaction conditions.

2,003,387
MICROSCOPE
Harvey N. Ott, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y.
Application May 1, 1931, Serial No. 534,228
14 Claims. (Cl. 88—39)

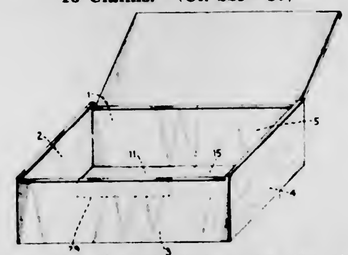
2. In a microscope, an objective, a stage for supporting a specimen in operative relation to said objective, a primary support, a secondary support for said stage means for resiliently

mounting said secondary support on said primary support for yielding movement relative thereto, and means for adjusting said secondary



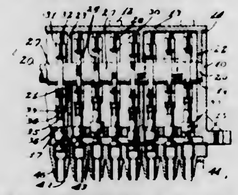
support relative to said primary support and controlling the yielding movement thereof to shift said stage towards and from said objective by translational movement of said stage.

2,003,388
BOX CONSTRUCTION
Donald R. Palmer, Little Neck, N. Y.
Application April 15, 1933, Serial No. 666,270
13 Claims. (Cl. 229—37)



1. In a box of cardboard or the like, the improvements which comprise a stiff main supporting body portion of which all sides are in the form of a rectangular strip that is integral on all lines forming corners thereof, and a secondary supporting layer of fibrous material permanently attached to said main body to form continuous sides and the discontinuous parts of the bottom of the box shell.

2,003,389
LUBRICATING SYSTEM AND METHOD OF INSTALLING THE SAME
Robert E. Petrie, Chicago, Ill.
Application March 14, 1931, Serial No. 522,664
17 Claims. (Cl. 184—27)



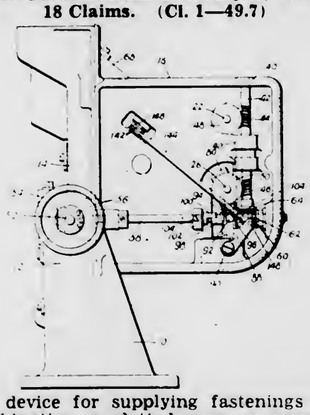
1. In a lubricating device, a casing for containing a supply of lubricant and having outlet openings therein, said openings having larger inner portions than outer portions, a delivery tube leading from each of said openings, said tubes being each of a size to substantially fit in the smaller part of the respective opening and having an expanded inner end fitting the inner portion of the opening, and means to force lubricant through said openings into said tubes.

2,003,390
PLANTING MACHINE
Louis Poll, Hamilton, and Benjamin Poll, Holland, Mich.
Application February 19, 1934, Serial No. 711,872
3 Claims. (Cl. 111—3)



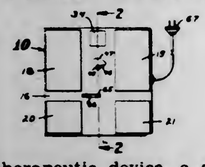
1. In a planting machine: a carrier having a circuitous movement; a plurality of plant holders mounted in spaced relation on the carrier each plant holder comprising a pair of parallelly disposed arms extending at right angles to the carrier's direction of movement, one of said arms being an elongated leaf spring and the other arm having an open pocket adapted to receive a plant; a flexible member secured at its ends to said arms respectively and adapted to span and close the mouth of the pocket in one relative position of the arms to retain a plant placed in the pocket; and means in the path of the carrier's movement for springing the first-mentioned arm toward the pocket for closing the same and yieldingly holding said plant therein.

2,003,391
TACK SUPPLYING DEVICE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 27, 1932, Serial No. 589,251
In Great Britain February 6, 1931
18 Claims. (Cl. 1—49.7)



1. A device for supplying fastenings having, in combination, a slotted raceway arranged to support a line of fastenings, a separator arranged to control the passage of fastenings toward the end of the raceway and to permit the fastenings to pass one by one, and means arranged to engage the points of the separated fastenings in the raceway and to move the fastenings to a position where they may conveniently be removed therefrom.

2,003,392
FOOT THERAPY DEVICE
Leonard F. Rucker, Hollywood, Calif.
Application January 18, 1932, Serial No. 587,200
Renewed July 28, 1934
2 Claims. (Cl. 174—89)



2. In a therapeutic device, a source of electrical energy, a base of insulating material, a pair of toe contact plates, a pair of heel contact plates, said pairs of contact plates being mounted in fixed spaced relation on said base, a switch mounted on said base, said switch including a plurality of fixed terminals and a movable member cooperating with said terminals, and leads from said switch terminals to said plates, whereby in one position of said movable switch member the plates will be energized to cause a potential difference between each toe plate and its adjacent heel plate, and in another position of said movable switch member the plates will be energized to cause a potential difference between the toe plates and between the heel plates.

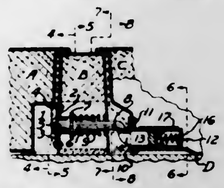
2,003,393
METHOD OF FORMING PILES
Hilmar E. Satre, Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentis, Incorporated, New York, N. Y., a corporation of Connecticut
Application February 29, 1932, Serial No. 595,755
6 Claims. (Cl. 61—57)



1. The process of boring holes in the ground and lining the same, which comprises digging the hole and inserting casing sections in the hole as the hole is deepened in superposed unattached relation and with the insertion of each section lowering previously inserted sections, and controlling from above the ground the downward movement of said sections by operation upon the lowermost only of mid sections.

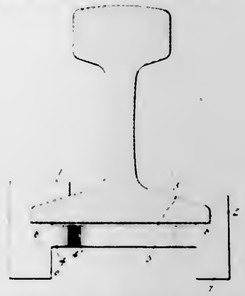
2,003,394
AUTOMATIC REAR DOOR LOCK FOR VEHICLE BODIES
Joseph C. Sell, Detroit, Mich.
Application May 8, 1934, Serial No. 724,555
2 Claims. (Cl. 292—182)

1. A safety latch for automobile doors wherein there is provided a pillar between the swinging front and rear doors comprising, a sliding bolt mounted in the pillar, the ends of the bolt projecting beyond the respective sides of the pillar, a sliding spring projected keeper mounted in the edge of the rear door adjacent the pillar, the rear end of the bolt being held in locking engagement



with the keeper by the front door when both of said doors are in a closed position, and means for automatically moving the bolt forwardly out of the path of movement of the keeper when the front door is moved outwardly, permitting the rear door to be moved outwardly.

2,003,395
RAIL ANCHOR
Charles B. Shepherd, New York, N. Y., assignor to The P & M Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1928, Serial No. 251,571
3 Claims. (Cl. 238—330)



1. A sheet metal rail anchor for application edgewise on the base of a rail comprising a body extending under the rail base, a jaw member on one end of the body to extend around and engage said rail base at one side of the rail, a tie abutting element at the same end of the body extending below said body, an upward extension on the other end of the body recessed to provide a small jaw arranged to automatically snap over and engage the upper corner portion of the rail base when the first mentioned jaw member is driven upon the other side of the rail base, and a tie abutting element at the small jaw end of the body extending below said body; said body being formed with lateral bends providing a bowed portion extending outwardly away from the tie.

2,003,396
BODY TRIM STRUCTURE
Alfred J. Smith, Detroit, Mich., assignor to Woodall Industries Incorporated, a corporation of Michigan
Application November 15, 1930, Serial No. 495,940
4 Claims. (Cl. 45—138)

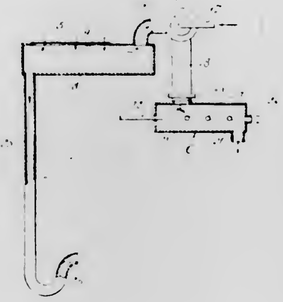
1. A vehicle body interior comprising, in combination, a door frame having a plurality of

spaced apart apertures around its margin, each aperture having a horizontal supporting edge, a panel having a plurality of strips secured to the rear thereof along its margin, and substan-



tially L-shaped securing means integral with said strips projecting rearwardly and downwardly of said panel and seated upon the horizontal supporting edges of in said frame apertures.

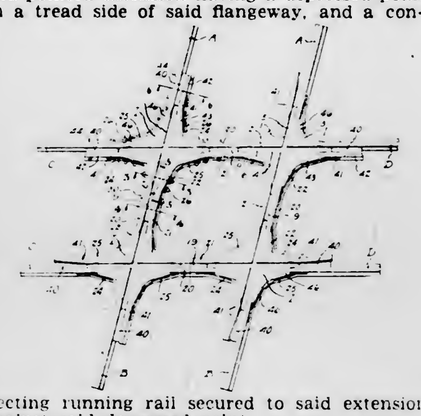
2,003,397
MOISTURE EXTRACTION
Horace L. Smith, Jr., Richmond, Va., assignor to Thermal Engineering Corporation, Richmond, Va., a corporation of Virginia
Application July 17, 1934, Serial No. 735,718
3 Claims. (Cl. 34—48)



1. Apparatus for extracting moisture from permeable material comprising a vacuum chamber having a restricted inlet opening therein, means for continuously moving moist air permeable material over said opening, a steam jet ejector having an inlet duct connected to said chamber adjacent its upper surface, means for condensing steam from said ejector and a downwardly extending water outlet duct having its upper end in communication with said chamber adjacent the lower surface of said chamber and having a reverse bend adjacent its lower end.

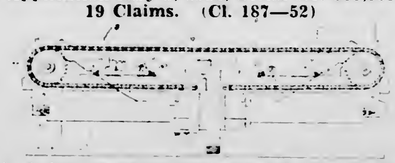
2,003,398
RAILROAD CROSS-OVER
James B. Strong, New York, N. Y., and Albert F. Huber, St. Louis, Mo., assignors to Ramapo Ajax Corporation, New York, N. Y., a corporation of New York
Application September 19, 1933, Serial No. 690,044
14 Claims. (Cl. 246—465)

1. In a rail intersection, a corner insert having a pointed extension, a flangeway passing through said extension and the point thereof, said pointed extension having a depressed point on a tread side of said flangeway, and a con-



necting running rail secured to said extension against said depressed point.

2,003,399
DOOR OPERATOR
Joseph C. Tamsitt, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application May 2, 1932, Serial No. 608,661
19 Claims. (Cl. 187—52)

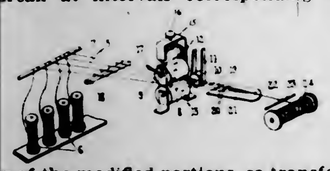


1. A door operator mechanism for opening and closing the hatchway doors of an elevator comprising, a carriage mounted on the elevator, means on the elevator for moving said carriage, a latch on each door in the hatchway, a keeper plate mounted in the hatchway and engaged by said latch to lock the door closed, an operator bar carried by said carriage including a lever pivoted thereon intermediate its ends, means associated with the opposite ends of said lever and operated by a movement of said carriage for moving said bar outwardly from the carriage into engagement with the latch of one of said doors to operate the same first to unlock and then to open said door, means associated with said lever for disengaging the same from said latch when the movement of the door is obstructed, and a pair of interlocking circuit contacts opened by the movement of said latch in unlocking the door to prevent movement of the elevator until the door is again locked closed.

2,003,400
MANUFACTURE OF STAPLE FIBER YARNS
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application June 23, 1933, Serial No. 677,218
In Great Britain July 4, 1932
15 Claims. (Cl. 118—69)

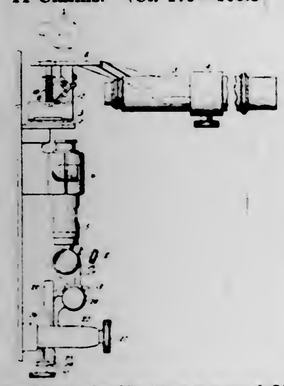
1. Process for the production of spun yarns from continuous filaments, said process comprising modifying the strength of a plurality of associated continuous filaments at intervals, dif-

ferent filaments being so treated at different points along their length, applying tension continuously along a bundle of such filaments until they break at intervals corresponding to the



spacing of the modified portions, so transforming the filaments into a continuous bundle of staple fibers, and spinning the staple fibers so produced into a spun yarn.

2,003,401
INSPECTION DEVICE
Roy V. Terry, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 27, 1929, Serial No. 388,674
11 Claims. (Cl. 179—100.3)



1. The method of adjusting a sound film reproducer which comprises threading a flexible, uniformly striated screen through said reproducer, focussing an image of a rectangular, illuminated slit on said screen, deflecting the image transmitted through said screen, magnifying said deflected image, visually comparing said magnified image with the magnified image of said striated screen, and adjusting the position of said slit until the image of said slit is parallel to the striations on said screen.

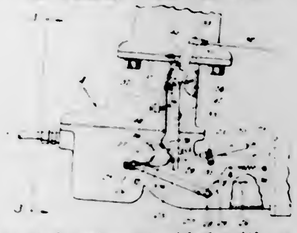
2,003,402
BORING TOOL
Albert Thomas, Homestead Park, Pa.
Application January 24, 1933, Serial No. 653,323
7 Claims. (Cl. 77—58)

7. A boring bar comprising a head with a plurality of sockets therein, three or more cutter bars mounted in said sockets and arranged to intersect, means for adjusting said cutter bars comprising means associated with one of said cutter bars for varying the effective length of said bar, means in the corresponding socket for engaging said latter means to effect an adjustment of said cutter bar relative to said boring bar, said cutter bar being formed with a plurality of plane surfaces adjacent its intersection with the remaining cutters to engage a plurality of parallel plane surfaces on said remaining cutters, said plane surfaces being diagonally interrupted by shoulders arranged to transmit movement of said first cutter to said remaining cutters, a shoulder on one of said cutter bars arranged to engage an adjacent cutter bar to limit



the outer limit of adjustment of said cutter bars, and means to lock said cutter bars in any position of adjustment, said latter means comprising a pressure member arranged to force one of said cutter bars against the remaining cutter bars under relatively high pressure.

2,003,403
CARBURETOR
Harold H. Timian, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 26, 1932, Serial No. 639,731
22 Claims. (Cl. 261—52)



1. In a carburetor provided with a throttle valve, a choke valve for the carburetor, and means for actuating said valves including an actuating member positively connected to said throttle valve, a hand device, a lost motion connection for connecting the hand device with said choke valve, said means constructed for operative connection with said actuating member for operating said throttle valve, said lost motion connection acting to permit actuation of the throttle valve prior to actuation of the choke valve, and throttle valve actuating means acting on said actuating member for operating said throttle valve independently of said hand device operation.

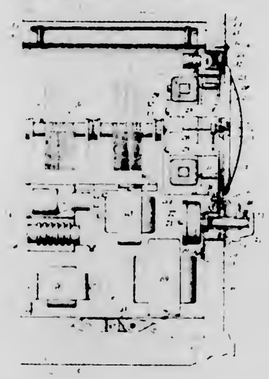
2,003,404
SLITTING MECHANISM FOR PAPER MAKING MACHINES
Charles W. Valentine, Watertown, N. Y., assignor to The Bagley and Sewall Company, Watertown N. Y., a corporation of New York
Application September 16, 1931, Serial No. 563,017
13 Claims. (Cl. 164—65)



13. In a web slitting mechanism, the combination of rotary slitters, a stationary support over

which the web travels, said support including a casing of resilient metal having a horizontal groove in which are seated a plurality of complementary slot forming blocks, two adjacent blocks forming a slot between them, means for adjusting the walls of the casing toward and from each other to facilitate the positioning and removal of the blocks, and means for moving the slitters into and out of the slots.

2,003,405
COMBINATION CLOCK AND RADIO-RECEIVER
Harry R. Van Deventer, New York, N. Y., assignor to Patent Engineering Corporation, a corporation of Delaware
Application April 7, 1932, Serial No. 603,789
11 Claims. (Cl. 250—14)



1. A radio receiver including a cabinet, a framework having side walls supported in said cabinet, a diaphragm adapted to be vibrated by a driving member, said diaphragm surrounding the side walls of said framework, a driving member for vibrating said diaphragm mounted on said framework and radio means for causing said driving member to vibrate said diaphragm, said means including a variable condenser mounted on said framework above said driving member.

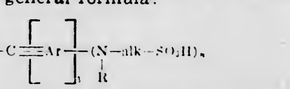
2,003,406
WIRE SPIRAL SPRING
Washington Vinar, Cicero, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application March 6, 1933, Serial No. 659,693
1 Claim. (Cl. 5—256)



A wire spiral-spring having a flat top composed of a plurality of convolutions in a plane substantially at a right-angle to the axis of the spring, said spring immediately below said head having a neck of a reduced diameter less than that of the spring immediately below said neck, said head immediately above said neck being open in the uncompressed condition of the spring whereby upon compression of the spring said neck portion may occupy the otherwise unoccupied center part of said head, said neck portion comprising solely a part of the wire of which the spring is formed of substantial pitch with its convolutions well separated from one another.

2,003,407
DYESTUFFS OF THE TRIARYLMETHANE SERIES
Ottmar Wahl, Leverkusen-I. G.-Werk, Werner Müller, Cologne-on-the-Rhine, and Rudolf Fingado, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 14, 1933, Serial No. 702,418. In Germany December 22, 1932
4 Claims. (Cl. 260—67)

1. Triarylmethane dyestuffs having in the carbinol form the general formula:



wherein Ar stands for a radical of the benzene or naphthalene series, R stands for hydrogen, alkyl, aryl or aralkyl, alk stands for an alkylene group containing at least one subsequent selected from the group consisting of the hydroxy group, an etherified hydroxy group, halogen and the sulfonic acid group, and n stands for one of the numbers one to three, being in form of their alkali metal salts dark metallic lustrous powders, dyeing animal fibres generally reddish-violet to blue to green shades.

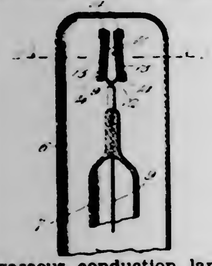
2,003,408
CELLULOSE ESTERS OF PARTLY ESTERIFIED POLYBASIC ACIDS
Adolf Weihe, Eilenburg in Sachsen, Germany, assignor to Deutsche Celluloid-Fabrik, Eilenburg in Sachsen, Germany, a corporation of Germany
No Drawing. Application February 19, 1931, Serial No. 517,111. In Germany February 24, 1930
9 Claims. (Cl. 260—101)

2. The process which comprises acting upon a cellulose ester containing still esterifiable OH groups with a chloride of an acid ester of a polybasic acid selected from the group consisting of aliphatic acids and phosphoric acid.

2,003,409
SIZING AND DYEING OF TEXTILES
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 3, 1933, Serial No. 692,031
12 Claims. (Cl. 8—5)

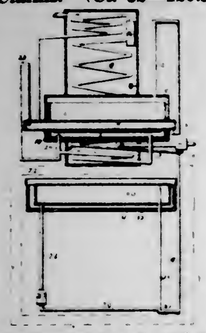
1. In a process for the production of textile materials of improved properties, the step which comprises treating textile materials comprising an organic derivative of cellulose and having a size thereon in a bath containing a dyestuff and an organic solvent for the size, whereby the textile materials are simultaneously de-sized and dyed.

2,003,410
HIGH FREQUENCY GASEOUS CONDUCTION LAMP
Stewart C. Whitman, Jackson Heights, N. Y.
Application April 18, 1932, Serial No. 605,990
25 Claims. (Cl. 176—122)



1. In a gaseous conduction lamp, a pair of rectangular electrodes of equal areas formed of a metal surfaced with beryllium, the ratio of whose length to height is approximately two to one.

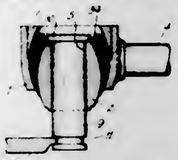
2,003,411
REFRIGERATION APPARATUS AND METHOD
Henry Elmer Willsie, New York, N. Y.
Application September 28, 1927, Serial No. 222,515
30 Claims. (Cl. 62—120.5)



13. A refrigerating apparatus of the type that includes a still-absorber comprising a conduit leading to said still-absorber and means for controlling the flow of liquid through said conduit toward said still-absorber, said means being arranged to automatically operate to shut off the flow of liquor through said conduit when the specific gravity of the liquid in said conduit reaches a predetermined value.

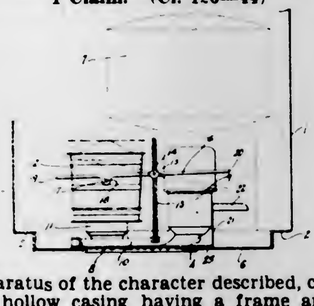
2,003,412
PROCESS OF ASSEMBLING RESILIENT JOINTS
Herbert W. Alden and Laurence R. Buckendale, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application October 29, 1932, Serial No. 640,236
7 Claims. (Cl. 29—84)

1. The process of assembling resilient joints comprising metallic inner and outer joint members having resilient material interposed therebetween, which comprises inserting said material between said inner and outer joint members, crowding said material endwise toward one end of said outer joint member by forcing said inner member longitudinally, mounting a retaining ring in the other end of said outer joint member while holding the material so crowded, and then releasing the pressure endwise on said ma-



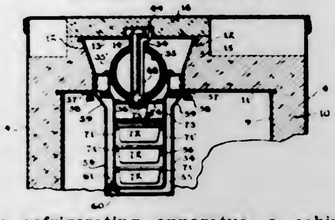
terial to permit the same to fill the space between said inner joint member and said retaining ring.

2,003,413
OIL BURNER MANIPULATING MECHANISM
Edmund E. Allyne, Cleveland, Ohio
Application August 13, 1931, Serial No. 556,745
1 Claim. (Cl. 126—44)



Apparatus of the character described, comprising a hollow casing having a frame and provided with an opening, a burner unit supported on said frame within said opening, said unit including vertically extending reservoir and burner members located side by side, a unit frame supporting the same, standards extending upwardly from said unit frame, and a two-armed lever supported on said standards and comprising arms embracing and extending endwise beyond the reservoir and burner members and connected to the latter for operation thereof from either end of the unit frame.

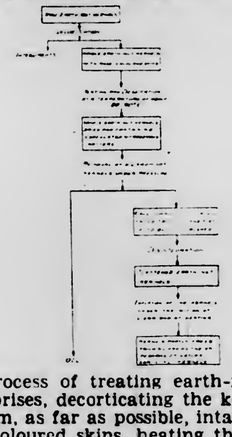
2,003,414
EVAPORATOR FOR REFRIGERATING SYSTEMS
Edmund E. Allyne, Cleveland, Ohio
Original application December 24, 1931, Serial No. 583,061. Divided and this application September 30, 1933, Serial No. 691,716
3 Claims. (Cl. 62—99)



1. In refrigerating apparatus, a cabinet, a heat insulated refrigerating chamber within said cabinet and having a heat dome extending upwardly from the ceiling thereof, an evaporator in said cabinet and arranged in said dome, a heat insulated housing having an open front, means

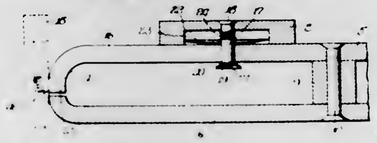
for removably securing said housing to the ceiling of the refrigerating chamber about the margin of said dome, and a removable freezing unit in heat transfer relation with said evaporator and arranged in said housing.

2,003,415
PROCESS OF TREATING EARTH-NUT KERNELS
Paul Ammann, Paris, France
Application October 14, 1933, Serial No. 693,646
In France October 21, 1932
6 Claims. (Cl. 99—11)



1. The process of treating earth-nut kernels which comprises, decorticating the kernels so as to keep them, as far as possible, intact and with their rose-coloured skins, heating these kernels, then pressing these kernels without crushing them, collecting the oil thus obtained, disintegrating the cake obtained after pressing, which consists of kernels flattened but not crushed, humidifying, and heating said kernels in order to restore them to their initial shape.

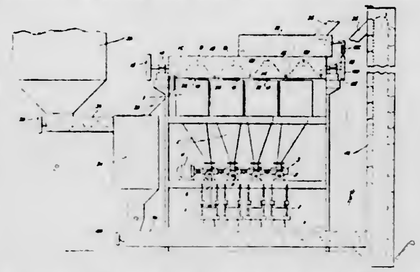
2,003,416
PIPE TAMPER
James C. Anderson, Highland Park, Ill.
Application November 12, 1934, Serial No. 752,570
18 Claims. (Cl. 131—59)



1. A pipe tamper having a holder, a tamping head, and means for mounting the head on the holder to slide from a position at the side of the holder to a position at the end thereof.

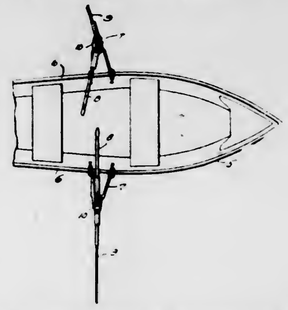
2,003,417
FEEDING MECHANISM FOR FILLING MACHINES
Arno Andreas, Munster, Germany
Application November 18, 1931, Serial No. 575,700
11 Claims. (Cl. 226—48)

1. In a bag filling machine including weighing mechanism and means to convey weighed material to a bag, a substantially horizontal bin for material, said bin having an opening in its under side adapted to discharge material into the weighing mechanism, means to supply material to the bin at one side of the opening, means to convey it along the bin, a dam on the other



side of the opening for regulating the depth of material in the bin, and an overflow beyond the dam.

2,003,418
OAR
Victor Ankarlo, Milwaukee, Wis., assignor of three per cent to R. C. Peterson, Duluth, Minn., and ninety-seven per cent to Hannah C. Ankarlo, Milwaukee, Wis.
Application March 2, 1933, Serial No. 659,262
3 Claims. (Cl. 9—25)

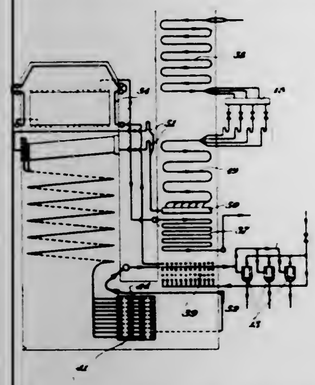


1. An oar comprising a supporting member having a head and an arm rigid therewith, a second arm pivotally connected with the head portion for movement toward and away from the first arm, means carried at the extremities of the arms to readily detachably secure the same to the gunwale of a boat while permitting vertical tilting movement of the entire supporting member about an axis adjacent the gunwale, a handle section pivotally mounted on said head of the supporting member, a paddle section pivotally mounted on said head of the supporting member, and means carried by said sections to transmit motion from one to the other.

2,003,419
BOILER
Nicholas Artsay, New York, N. Y.
Application December 16, 1931, Serial No. 581,347
8 Claims. (Cl. 122—235)

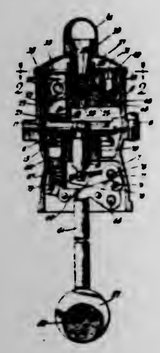
3. The method of generating steam comprising forcing the water to be evaporated through a tubular structure in a continuous stream from inlet to outlet, heating the water first in a zone of low heating effect to a point where a substantial part of the water has been evaporated thereby accelerating the rate of flow, thereafter heating the mixture in zones of most intense heating effect

until all but a relatively small part of the water has been evaporated, withdrawing said small part



of unevaporated water from the boiler and replacing it by a similar amount of fresh feed water.

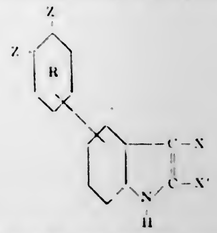
2,003,420
FUEL PUMP
Abraham M. Babitch and Gordon W. Harry, Flint, Mich., assignors to A C Spark Plug Company, Flint, Mich., a corporation of Michigan
Application October 26, 1933, Serial No. 695,314
13 Claims. (Cl. 103—150)



1. In a pump, a casing member provided with a recess, a movable pumping member cooperating with said recess to form a variable volume pumping chamber, said casing member also recessed to form a receiving chamber, said casing wall having an opening to said receiving chamber, a filter dividing said chamber into first and second parts, an axially extending boss in the first part of said receiving chamber, a radial wall extending from said boss to the peripheral wall of said casing, said boss and wall breaking the circular continuity of said first part of said receiving chamber, inlet and outlet valves in said casing member and communicating with said pumping chamber, said outlet valve being in said boss, said boss above said outlet valve constituting an air dome, said radial wall having an axial passage communicating with the second part of the receiving chamber and with the pumping chamber by way of said inlet valve, said casing having radial conduit means extending to the wall thereof from a part of the boss above the valve.

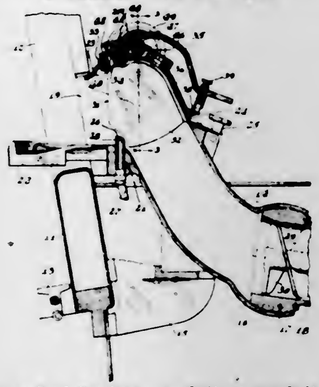
2,003,421
INDOL COMPOUND
Fritz Ballauf and Albert Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 24, 1932, Serial No. 601,050. In Germany April 2, 1931
7 Claims. (Cl. 260—48)

1. The indol compounds of the general formula:



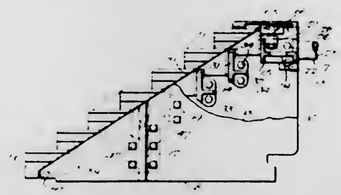
wherein "R" stands for a benzene nucleus attached in the para-position to the Z's to the benzene nucleus of the indol in the 4,5- or 6,7-positions, wherein one "Z" stands for the hydroxy group, the other "Z" stands for the carboxylic acid group, "X" stands for hydrogen or alkyl, and "X'" stands for methyl or a phenyl nucleus, being generally yellowish, water insoluble substances, soluble in aqueous alkalies and being valuable intermediate products in the manufacture of dyestuffs.

2,003,422
STOKER FUEL DEFLECTOR
Andrew Bayreuther, Albany, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application June 13, 1930, Serial No. 460,835
9 Claims. (Cl. 110—101)



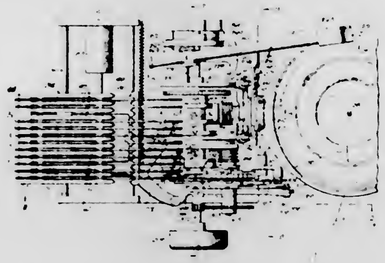
7. In a fuel feeding conduit, a conduit section extending upwardly and forwardly and terminating in a mouth portion, said section adjacent its mouth portion having therein a deflector vane pivotally mounted on an approximately vertical axis movable in a straight line in a horizontal direction transversely of the conduit, means for so moving said axis, and means for adjusting said deflector vane angularly about its axis.

2,003,423
FURNACE GRATE STRUCTURE
Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 28, 1931, Serial No. 553,622
10 Claims. (Cl. 110—44)



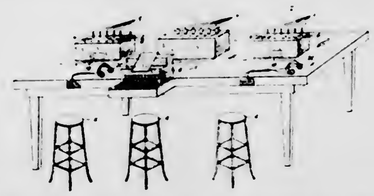
1. A stoker grate structure comprising a frame including a plurality of transverse bars arranged in an inclined series, and a plurality of facing elements mounted on said bars and forming the effective fuel-supporting surface of the grate, each of said elements having a face abutting an opposed face of one of the bars and having also a depending portion normally disposed in substantially abutting relation with the next lower bar of the series whereby accidental displacement of the elements from the frame is prevented.

2,003,424
AUTOMATIC PHONOGRAPH
Folke A. Brandstrom, Chicago, Ill., assignor to The John Gabel Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 1, 1932, Serial No. 590,047
14 Claims. (Cl. 274—10)



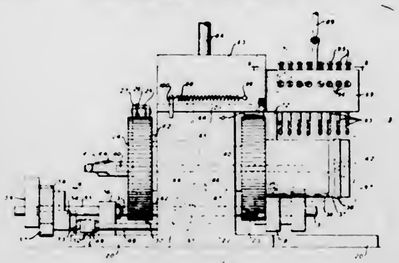
4. In an automatic phonograph, the combination of a record magazine, a turntable, and means for transferring a record from said magazine to said turntable comprising record clamping jaws adapted to engage a marginal portion of a record, a cam shaft, a jaw carrier mounted on said cam shaft for swinging movement thereabout, a jaw mount mounted in said carrier for movement in a substantially radial direction relative to said cam shaft, said clamping jaws being mounted in said mount for movement towards and from each other, cam means on said cam shaft for effecting radial movement of said mount and movement of said jaws towards and from each other, and cam means carried by said cam shaft and operating in timed relation with said jaw actuating cam means to lock said jaw carrier against swinging movement about said shaft during the radial and clamping movements of said mount and jaws respectively.

2,003,425
RADIO TELEGRAPH CONCENTRATOR
Vincent H. Brown, Ozone Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1933, Serial No. 656,874
1 Claim. (Cl. 178—75)



The combination with a radio telegraph switchboard having an incoming line and a glow lamp individual to said line and arranged to light up on the receipt of signals at said switchboard from over said line, a key and a busy lamp also individual to said line, said busy lamp functioning to light up only during the actuation of said key, and a translating device in circuit with said key arranged to bridge said line at said switchboard upon the actuation of said key, of an automatic recorder, and switching mechanism intermediate said line and said switchboard, said mechanism functioning in one position to connect said line to said switchboard and in another position to connect said line to said recorder.

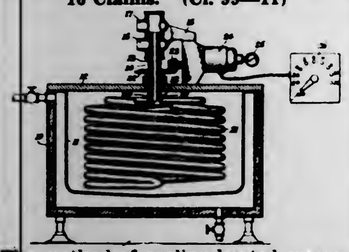
2,003,426
METHOD OF AND APPARATUS FOR WORKING MATERIALS
Theophile Corbeels, Garwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 11, 1933, Serial No. 697,563
13 Claims. (Cl. 41—1)



1. In a material working machine, a carriage to hold a piece of work, a second carriage to hold a tool, means to move the work relatively to the tool in one direction, means to move the work in a second direction relatively to the tool, means to move the tool relatively to the work, and means to engage the tool operatively with the work and to disengage it therefrom.

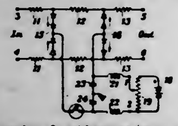
12. A method of surface ornamenting materials which includes the step of impressing a predetermined pattern of markings upon a surface of an article a predetermined number of times and displacing the pattern upon the surface at successive impressions through a predetermined complexly regular cycle of relative positions, whereby the complexity of the compound pattern of markings produced is such as to appear irregularly haphazard.

2,003,427
TREATMENT OF CREAM
Frits G. Cornell, Jr., Mountain Lakes, N. J.
Application January 10, 1934, Serial No. 706,029
16 Claims. (Cl. 99—11)



1. The method of cooling heated cream which comprises passing cooling medium in heat exchange therewith, agitating the cream and controlling the degree of agitation in accordance with temperature decrease to minimize agglomeration of butter-fat globules.

2,003,428
VOLUME CONTROL FOR TRANSMISSION CIRCUITS
Frank A. Cowan, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 29, 1932, Serial No. 634,083
7 Claims. (Cl. 178—44)



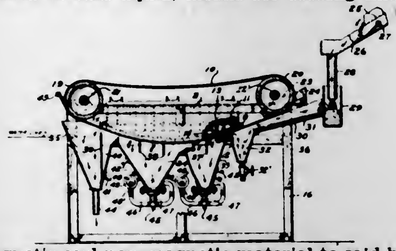
1. A four-terminal attenuator comprising two balanced I sections in series, the series elements being pure resistance and the shunt elements being rectifiers of non-linear characteristic, the first shunt element consisting of two rectifiers in series and opposed to each other, the second shunt element consisting of an identical pair but poled in the opposite direction, and means associated with the rectifiers to change their effective resistance.

2,003,429
LIQUID COMPOSITION
Henry L. Cox, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 17, 1931, Serial No. 569,541
5 Claims. (Cl. 252—5)

1. Medium for transferring heat or pressure consisting of a substantially anhydrous mixture of at least two polyhydric alcohols which freezes at a temperature below about −50° C., the boiling points of the individual alcohols being separated by less than about 20° C.

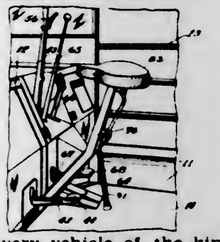
2,003,430
APPARATUS FOR REMOVING MAGNETIC FROM NONMAGNETIC MATERIAL
Robert E. Crockett, Pompton Lakes, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 24, 1932, Serial No. 630,174
12 Claims. (Cl. 209—232)

1. In a separator, means forming a liquid basin, means for producing a magnetic field of substantially catenary shape having successive sections of reversed polarity and disposed beneath the liquid level in said basin, a belt having a lower stretch transportable along said field while immersed in said liquid, means for feeding mixed



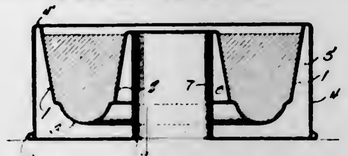
magnetic and non-magnetic material to said belt stretch, a series of baffles disposed in said basin in close proximity to said belt stretch, and means for discharging separated material from said basin together with some of the liquid.

2,003,431
MOTOR VEHICLE CONTROL
William B. Fageol, Kent, Ohio
Application August 21, 1931, Serial No. 558,616
7 Claims. (Cl. 180—77)



1. In a delivery vehicle of the kind that includes a passageway extending across the body, vehicle control elements in the form of a foot pedal controlling the clutch and brake mechanism of the vehicle, and a fuel feed control disposed at one side of said passageway, and a narrow seat disposed so as to be foldable toward the same side of said passageway, said seat being mounted between said pedal and said fuel feed control.

2,003,432
MOLD
Arnold R. Finch, West Bend, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application April 4, 1934, Serial No. 718,898
4 Claims. (Cl. 107—19)



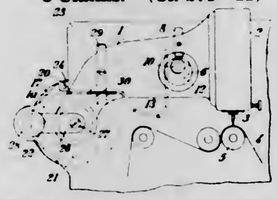
1. A mold comprising a bottom, and inner and outer mold side walls connected to the bottom, and inner and outer peripheral walls connected to said side walls and cooperable therewith when the mold is inverted to provide chambers adapted to contain a heated fluid, said chambers in heat exchanging relation with the interior of the mold.

2,003,433
AIRCRAFT BODY
James B. Ford, Tulsa, Okla.
Application July 1, 1932, Serial No. 620,500
7 Claims. (Cl. 244—30)



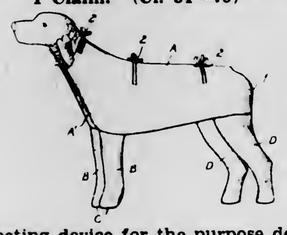
1. An aircraft fuselage comprising a body having a shell of longitudinally extending panels having inturned side flanges secured against each other, heads for ends of said body having marginal flanges secured against the panels, and front and rear sections for the fuselage aligned with the body and secured against said heads, the front section being open at its front end to admit air and walls of the front section having discharge openings formed therein for escape of air, and an annular deflector in said front section bearing against its walls back of the discharge openings and serving to direct air towards the same.

2,003,434
PHONOGRAPH
Leo Goldhammer, Munich, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application June 9, 1933, Serial No. 675,126
In Germany June 16, 1932
8 Claims. (Cl. 274—11)



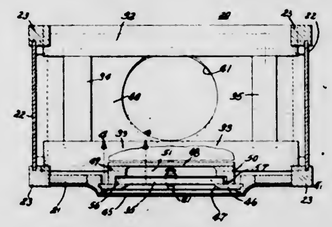
1. In a phonograph apparatus, in combination, a sound arm comprising a first and a second part, means for movably connecting said two parts of said sound arm, a sound box connected with the first part of said sound arm, a base plate, an axle fixedly mounted on said base plate, the second part of said sound arm being rotatable about this axle, and means cooperating with said base plate and said second part for displacing said second part in the direction of said axle.

2,003,435
PROTECTING DEVICE FOR AUTOMOBILE UPHOLSTERY
William C. Groff and Walter C. Siebens, St. Louis, Mo.
Application December 18, 1933, Serial No. 702,874
1 Claim. (Cl. 54—79)



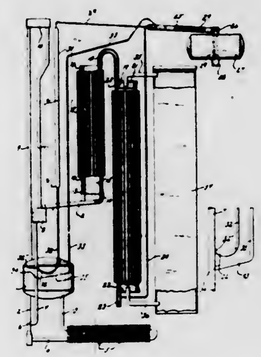
A protecting device for the purpose described, composed of a fabric body portion that conforms approximately to the general shape or outline of a dog's body, and leg and feet casings attached to said body portion, said body portion comprising two side pieces attached to a substantially wedge-shaped belly piece, and each of said leg and feet casings being composed of two side pieces whose lower ends are attached to a substantially disk-shaped end piece, and whose upper ends are attached respectively to the belly piece and to one of the side pieces of said body portion.

2,003,436
RADIOCABINET
John E. Grimm, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 20, 1931, Serial No. 531,354
4 Claims. (Cl. 312—7)



1. In a radio cabinet having a compartment to house a receiver, the combination comprising, a front wall for said cabinet providing a windowway, guide rails affixed to the cabinet wall in parallel arrangement on either side of said windowway, an instrument panel secured to said rails and being spaced from said front cabinet wall, a slidable closure running in said rails and adaptable to open and close said window-way, whereby access may be had to controls protruding through the instrument panel, or the same may be covered.

2,003,437
ABSORPTION REFRIGERATING APPARATUS
Edward Gruber, Cleveland, Ohio, assignor to Edmund E. Allyne, Shaker Heights, Ohio
Application January 21, 1932, Serial No. 588,036
7 Claims. (Cl. 62—120.5)



1. In absorption refrigerating apparatus, a still-absorber, condenser and evaporator connect-

ed in operative cycle in the order mentioned, a pressure drain conduit having a liquid seal connection with the evaporator and communicating with the still-absorber, said drain conduit being enlarged intermediate its ends, and a by-pass gas return connection leading from the gas space of the evaporator and provided with sealing means effective to prevent flow toward the evaporator and arranged to permit free flow of returning gas from the evaporator toward the still around the condenser.

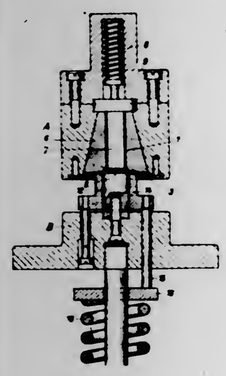
2,003,438

TOOL FOR MAKING CARTRIDGE SHELLS

Léon Auguste Guignet, La Varenne Ste. Hilaire, France, assignor to The Compagnie Royale Asturienne des Mines, Paris, France, a corporation of Belgium

Original application March 1, 1933, Serial No. 659,115, now Patent No. 1,974,270, dated September 18, 1934. Divided and this application September 9, 1933, Serial No. 688,760. In Germany January 17, 1933

3 Claims. (Cl. 153—48)



1. A tool for the production of a double fold between the bottom and the side of a unitary cartridge shell, comprising an upper part, said upper part comprising a mandril for said shell, having a beveled lower end adapted to produce the inner convolution of said fold upon application of an axial thrust upon said shell, a divided liner shaped and adapted to move radially to grip said shell and having a recess adapted to produce the outer convolution of said fold upon application of said thrust, and a lower part, the latter comprising a fixed plunger, a relatively movable flange surrounding said plunger, and adapted to engage said liner to cause it to move laterally and a biasing spring tending to oppose movement of said flange.

2,003,439

GAUGE

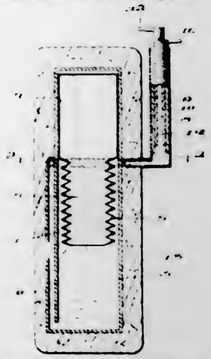
James Harris Hardy, Columbus, Miss.

Application February 19, 1931, Serial No. 517,031

Renewed October 30, 1934

3 Claims. (Cl. 73—4)

2. An altimeter comprising a casing, a smooth cylindrical air chamber therein terminating in a communicating bellows at an end thereof, and a fluid chamber enclosing a fluid acting on said bellows, said bellows being disposed in the top



of said fluid chamber and in contact with the upper portion of the fluid in said chamber.

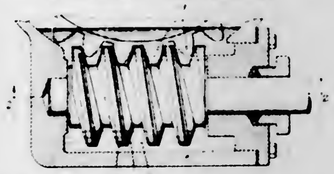
2,003,440

VIBRATION ABSORBING WORM

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 19, 1931, Serial No. 575,983

4 Claims. (Cl. 74—458)



1. In a rotatable positive drive device engaging means on the device having separate yieldable contact surfaces, rigid supporting members therefor, and a felt damping medium interposed between said surfaces and the supporting members.

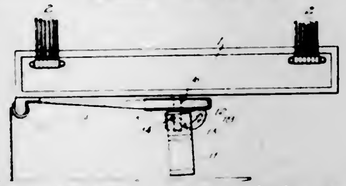
2,003,441

DRIVING MECHANISM FOR PRODUCING GYRATORY MOVEMENT

George H. Hebebrand, St. Louis, Mo.

Application May 19, 1934, Serial No. 726,597

7 Claims. (Cl. 74—86)



1. Driving mechanism for producing gyratory movement of a suspended body, comprising a suspended weight rotatably supported on the body and capable of free bodily movement in an outward and upward direction independent thereof under power of centrifugal force, and the center of gravity of the weight when at rest substantially coinciding with the center of gravity of the suspended body, and means for rotating said weight.

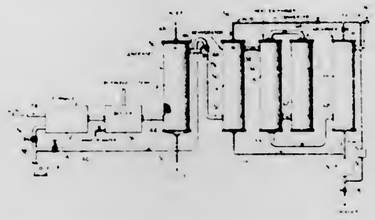
2,003,442

MANUFACTURE OF SULPHURIC ACID FROM HYDROGEN SULPHIDE GAS

Ingenuin Hechenbleikner, Charlotte, N. C., and Thomas C. Oliver, Great Neck, and Samuel F. Spangler, Flushing, N. Y., assignors to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware

Application March 7, 1932, Serial No. 597,180

16 Claims. (Cl. 23—175)



1. In the manufacture of sulphuric acid by the contact process, the method which includes burning highly concentrated H_2S gas in a limited air supply, subjecting the combustion gas to cold purification, adding oxygen thereto, and producing sulphuric anhydride by catalytic conversion of the resulting gas mixture.

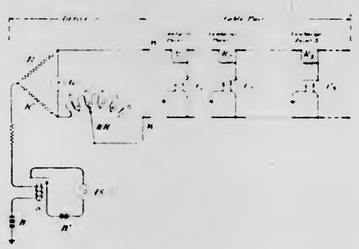
2,003,443

CONTACTOR INDICATOR

Thomas C. Henneberger, Caldwell, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application June 9, 1931, Serial No. 543,233

5 Claims. (Cl. 177—311)



1. In association with a pair of conductors extending over substantially the same path and having an office at one end thereof and a plurality of short-circuiting devices located therealong and designed to operate thereon, a plurality of fixed resistances each associated locally with one of said short-circuiting devices, circuit connections whereby any one of said fixed resistances is connected effectively in series with the first conductor of said pair when its associated device or any device more distant from said office is operated, a resistance at said office, circuit connections whereby said office resistance is connected effectively in series with the second conductor of said pair upon the operation of any one of said short-circuiting devices, and means at said office responsive to the operation of any one of said short-circuiting devices for indicating the difference between the resistance of the two conductors and the respective elements effectively in series therewith, the effective lengths of the two conductors being equal.

2,003,444

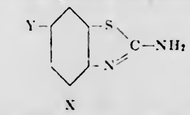
PROCESS OF PRODUCING AMINO-ARYL-THIAZOLE-COMPOUNDS

Richard Herz, Frankfort-on-the-Main, and Max Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

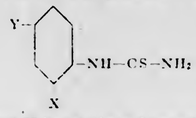
No Drawing. Application June 1, 1931, Serial No. 541,534. In Germany January 26, 1929

5 Claims. (Cl. 260—44)

1. A process for producing amino-thiazole-compounds of the general formula:



wherein X means hydrogen or methyl, Y means hydrogen, methyl or alkoxy or Y is halogen when X represents methyl, which process comprises acting with disulfurdichloride (S_2Cl_2) on thio-urea-derivatives of the general formula:



wherein X and Y have the aforesaid signification.

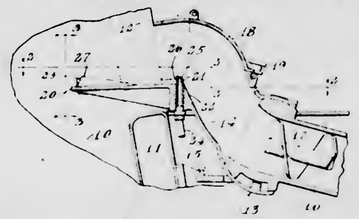
2,003,445

FUEL DISTRIBUTOR

John H. Ichter, Ashley, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application September 12, 1930, Serial No. 481,370

6 Claims. (Cl. 110—101)



4. The method of distributing fuel over a fire, consisting in subjecting the coarse fuel to the center or zone of higher intensity of forwardly directed blasts issuing from a single approximately horizontal row of jet openings and the fine fuel to the lower portion or zone of lower intensity of the blasts, separating the coarse from the fine fuel, imparting an upward inclination to the coarse fuel and a downward inclination to the fine fuel and directing a portion of the forwardly projected fuel laterally.

2,003,446

WELL TUBING HANGER

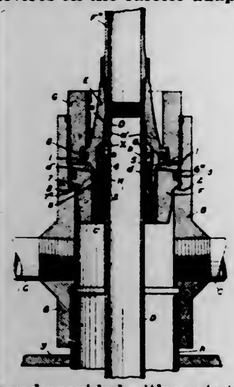
Grover C. Imler and Daniel M. Hause, Seminole, Okla., assignors of one-third to Robert L. Imler, Tulsa, Okla.

Application November 15, 1934, Serial No. 753,135

5 Claims. (Cl. 285—22)

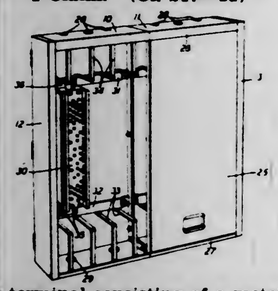
1. A supporting structure for well tubing, comprising a hanger provided with internal screw threads that are adapted to co-act with external screw threads on the tubing, a ring-shaped carrier

adapted to be screwed upwardly into the lower end of the hanger and of such diameter as to pass freely over the tubing prior to connecting the tubing to the hanger, and a plurality of frictional gripping devices on the carrier adapted to engage



the tubing and provided with parts that are interlocked with the carrier in such a way as to permit slight relative movement between said gripping devices during the operation of screwing the carrier up into the hanger.

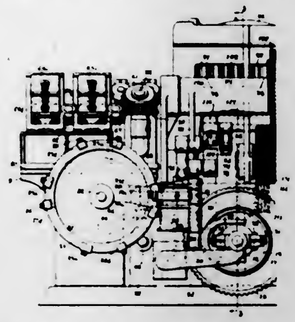
2,003,447
CABLE TERMINAL
Le Roy W. Kelsay, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1933, Serial No. 664,890
1 Claim. (Cl. 247—11)



A cable terminal consisting of a metallic housing comprising similar U-shaped sections, said sections being secured together by inturned flanges on the edges of said sections, doors hinged to the outer flanges of each end section, pairs of transverse bars secured to the rear of each section, binding post panels mounted thereon, and distributing racks at the top and bottom of each section, said racks comprising spaced apart strips secured at one end to the section ends and at their other ends to said bars.

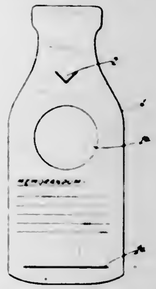
2,003,448
APPARATUS FOR MAKING METAL BINDING STRIPS
Hermann Hans Johannes Kruse, Hemelingen, near Bremen, Germany, assignor to No-Nail Cases Proprietary Limited, London, England, a company of Victoria, Australia
Application May 12, 1933, Serial No. 670,807
In Great Britain June 30, 1932
16 Claims. (Cl. 153—2)

1. Apparatus for producing toothed metal binding strip, comprising a row of punches adapted to perforate and thereby shear teeth out of a strip, a movable strip-support member having apertures with which said punches co-operate to set the teeth to a predetermined position relative to the perforated portion of the strip, means for feeding the strip longitudinally of the row of



punches, and control mechanism which serves automatically, upon the completion of a punching operation, to withdraw said support member, to actuate said strip-feeding means so as to advance the strip through a predetermined distance, and thereafter to return said support member to its operative position.

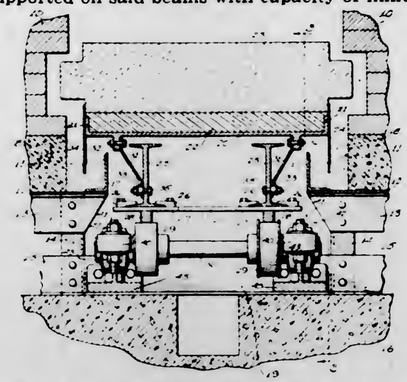
2,003,449
MEMORANDUM CARD
Lee B. Kuhn, Brooklyn, N. Y.
Application March 29, 1933, Serial No. 663,311
4 Claims. (Cl. 40—4)



2. A memorandum card consisting of an oblong piece of stiff paper having one end larger than the other end, a slot in the larger end adapted to receive the smaller end and a relatively large opening through the card in the larger end intermediate the slot and the smaller end of the card, the opening being adapted to receive a member to support the card, and means for locking the smaller end of the card in the slot.

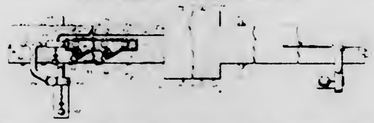
2,003,450
CONVEYER FOR KILNS
Lester L. Ladd, Lockport, Ill.
Application January 15, 1934, Serial No. 706,607
3 Claims. (Cl. 25—142)

1. A conveyer for kilns, comprising a table movable along a horizontal path, rollers journaled beneath said table, a carriage including twin rails supported on said rollers and twin annular beams mounted on said rails, and depending struts on the under side of said table supported on said beams with capacity of limited



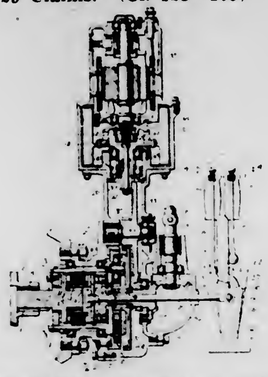
lateral shift relatively to said beams under expanding and contracting movements of said table.

2,003,451
KILN
Lester L. Ladd, Lockport, Ill.
Application January 26, 1934, Serial No. 708,366
11 Claims. (Cl. 25—142)



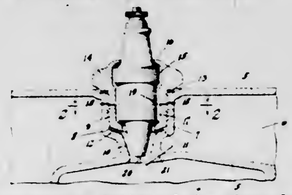
1. A tunnel kiln comprising a tunnel having a ware passage through which the ware travels, and a pair of nozzles in the upper portion of said passage directed toward respectively opposite sides of said passage, and means for forcing air through said nozzles into said passage.

2,003,452
ENGINE STARTER
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application September 30, 1926, Serial No. 138,792
29 Claims. (Cl. 123—179)



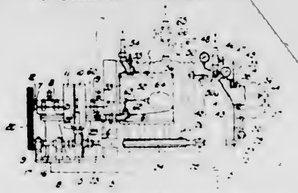
1. An engine starter apparatus including, in a unitary construction for association with an internal combustion engine, a driving member adapted and arranged for permanent engagement with a member of the engine to be started, means surrounding and engaging said driving member for actuating the same but normally restrained from driving relation with it, controlling means for such actuating means operable to establish driving relation of such actuating means with said driving member, and means for transmitting a starting impulse to said actuating means.

2,003,453
IGNITING DEVICE FOR INTERNAL COMBUSTION ENGINES
Taine G. McDougal, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 30, 1933, Serial No. 678,339
6 Claims. (Cl. 123—169)



1. In an igniting device of the class described and in combination with a cylinder head having spaced walls whereby a cooling medium space is formed; a hollow shell arranged to be cooled by a cooling medium within said cooling liquid space; an insulating member secured within and spaced apart from the interior of said hollow shell to thereby provide a cooling liquid jacket between the two, said hollow shell having a hole whereby said jacket is placed in communication with the cooling liquid space within said head; an insulated electrode carried by said insulating member; and a grounded electrode arranged in sparking relation with the inner end of said insulated electrode.

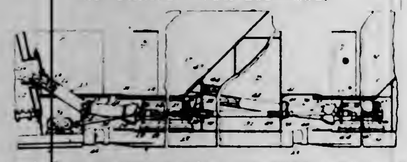
2,003,454
METHOD OF DEODORIZING, PASTEURIZING, AND CONCENTRATING FLUIDS
Henry Lamont Murray, Auckland, New Zealand, assignor to The Te Aroha Dairy Company Limited, Te Aroha, New Zealand
Application June 14, 1929, Serial No. 370,980. Renewed October 12, 1932. In New Zealand June 21, 1928
3 Claims. (Cl. 99—11)



3. The method of deodorizing cream, milk or other similar liquid by evaporating volatile essences and entraining non-volatile odorous substances, said method consisting in continuously introducing heated liquid into a container, injecting steam into the previously heated liquid prior to its introduction into the container, utilizing centrifugal force to produce a revolving wall of liquid within said container, thereby continuously expelling vapors and fixed gases from

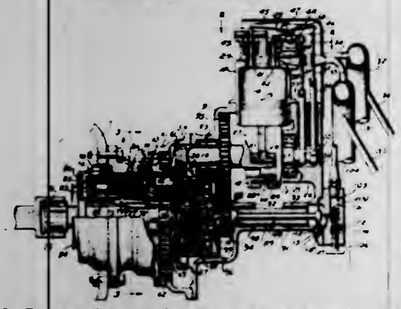
the liquid, continuously condensing said vapors and exhausting said fixed gases thereby maintaining high vacuum in said container, continuously withdrawing liquid from said container and preventing increase in vacuum above a predetermined value thereby controlling the boiling point of the liquid.

2,003,455
LOCOMOTIVE AND TENDER
John W. Myers, Roanoke, Va., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application October 28, 1932, Serial No. 639,958
Renewed November 3, 1934
25 Claims. (Cl. 105—234)



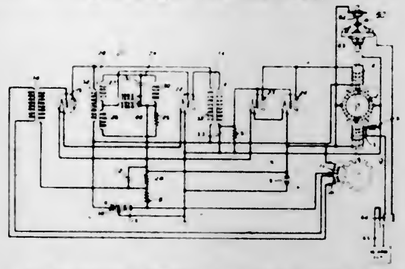
1. A locomotive tender provided with a fuel bunker and a stoker compartment constituting a fuel compartment and including a water compartment separated from the fuel compartment and a water tight conveyor conduit disposed in said water compartment at one end opening into the fuel compartment and at the other opening through the rear wall of the tender.

2,003,456
ENGINE STARTING APPARATUS
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application September 5, 1930, Serial No. 480,014
4 Claims. (Cl. 60—18)



1. In starting mechanism of the class described, the combination of a shaft operatively connected with a member of the engine to be started and adapted to be driven by the engine after the latter is operating under its own power, a fluid pressure motor, a source of fluid under pressure for actuating said motor, transmission means including a limited torque clutch for operatively connecting said shaft with said fluid pressure motor during starting of the engine, a friction clutch operatively connected to said shaft, and a pair of clutch members, one of which is operatively connected with said friction clutch and the other of which is drivably connected with the fluid pressure motor, fluid pressure actuated means normally holding said clutch members out of engagement when the pressure at the source is above a predetermined value, and resilient means for urging one of said clutch members into engagement with the other upon a decrease in pressure below said predetermined value.

2,003,457
REGULATOR CIRCUIT
Edmund R. Morton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1933, Serial No. 694,372
6 Claims. (Cl. 171—312)



1. In a control system, a motor having a regulating field winding and a shunt field winding, a resistance element in series circuit with said shunt field winding, means for controlling said regulating field to maintain the motor speed constant with close precision, a relay controlling an auxiliary circuit, and auxiliary control means more powerful than the precision control means, normally inactive when the motor is held at constant speed by said control means and operative in case of failure of said first mentioned means to hold the motor speed constant for connecting the coil of said relay in shunt to the shunt field winding when the motor operates below normal speed and for connecting the coil of said relay in shunt to said resistance element when the motor operates above normal speed.

2,003,458
METHOD OF DEHYDRATING PINE OIL
Sereno G. Norton, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1931, Serial No. 545,499
13 Claims. (Cl. 260—167)

1. The method of dehydrating pine oil which includes heating pine oil in the presence of silica gel and an organic dibasic acid.

2,003,459
PISTON
Frank N. Nutt, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 25, 1929, Serial No. 409,599
1 Claim. (Cl. 309—11)



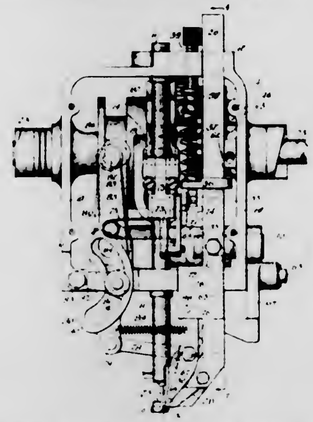
A piston which includes a head, a skirt which is joined to the head throughout a part of its circumference and is disconnected from the head throughout the remainder of its circumference, openings in the skirt intermediate the portion which is connected to the head and the portion which is disconnected therefrom, and wrist pin bosses carried by the head and located in said openings out of contact with the skirt—the first mentioned portion of the skirt being of greater thickness than the portion on the opposite side of the wrist pin bosses and of less thickness than the portions of the skirt under the openings.

2,003,460
REMOVABLE CAP FOR CANS OR THE LIKE
Samuel O. Pauli, Wellsburg, W. Va., assignor to Eagle Manufacturing Company, Wellsburg, W. Va., a corporation of West Virginia
Application November 14, 1933, Serial No. 697,974
10 Claims. (Cl. 220—94)



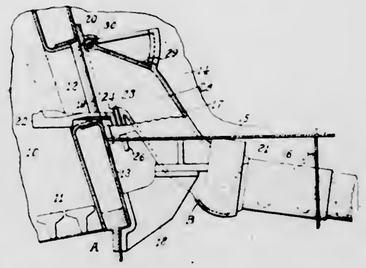
1. A can cap formed with spaced slots, a handle including a bail portion, inturned lips at the bottom of the bail portion to overlie and rest upon the top of the cap, projections at the inner end of the lips to pass through the slots, said projections being designed to be bent to underlie the lips and clamp the material of the can between such portions and the lips.

2,003,461
SEWING MACHINE
Walter Pearson, Whitman, Mass.
Application September 9, 1933, Serial No. 688,806
11 Claims. (Cl. 112—34)



1. A sewing machine of the class described having, in combination, a work-support; a needle-bar movable toward and from said work support; a power transmitting lever whereof one end is connected with said needle-bar; a cam cooperatively associated with the opposite end of said lever for vibrating the latter thereby to cause the same to reciprocate said needle-bar toward and from said work-support so that it dwells for a period of time at each end of its stroke; a driven shaft on which said cam is mounted, and a shiftable fulcrum for said power-transmitting lever that is adjustable relatively to said lever toward and from said cam so as to vary the length of the stroke of the needle-bar without changing the position occupied by the latter when it is at the limit of its movement toward said work-support and without variation in the length of time said needle-bar dwells at said limit.

2,003,462
STOKER
Morris W. Pool, Brooklyn, and Edwin Archer Turner, New York, N. Y., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 1, 1932, Serial No. 602,428
6 Claims. (Cl. 110—101)



1. In combination with a firebox having a wall with an opening therein, a stoker discharge conduit on said wall embracing said opening, a distributor plate positioned in the opening adjacent the lower margin thereof, means for projecting fuel across said plate, and a firedoor forming a movable wall portion of said conduit, said firedoor being mounted to swing about a substantially horizontal transverse axis into said opening to a position above said distributor plate and over the projected fuel.

2,003,463
HOE SHANK AND METHOD OF MAKING THE SAME
Carl H. Poythress, Laurel, Miss.
Application March 8, 1934, Serial No. 714,681
4 Claims. (Cl. 76—109)



1. A method of constructing the shank portion of a hoe or like implement, consisting in providing a handle-receiving ferrule with a sharply conical end, providing a bar section, forming on the bar section an enlarged head to wedge within the sharply tapered section of the ferrule, with the bar section projecting beyond the ferrule, welding the bar section and ferrule at their juncture, and forming the free end of the bar section with a tapered portion for cooperation with the blade of the implement.

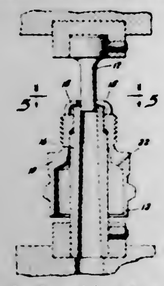
3. A shank for a hoe including a bar section of appropriate length, a ferrule formed with a slightly conical hollow handle-receiving portion and a sharply tapered hollow part in advance of the handle-receiving portion, one end of the bar section being enlarged and shaped to correspond with the interior of the sharply tapered portion of the ferrule, said bar section fitting within the sharply tapered portion of the ferrule to reinforce and brace the same and extending beyond the ferrule and terminating in a formed end for connection with the blade, the juncture of the bar section and ferrule at the forward end of the latter being permanently secured and presenting a practically unbroken exterior surface.

2,003,464

METHOD OF MAKING SPARK PLUGS

Hector Rabezzana, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 26, 1933, Serial No. 668,012
8 Claims. (Cl. 29—155.51)



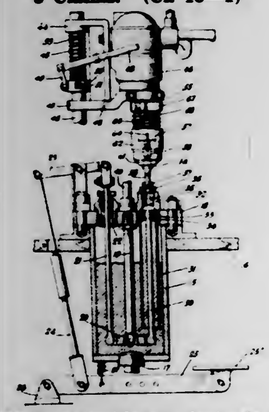
1. The method of making a spark plug which consists in providing a hollow spark plug shell with an electrode which is longer than is required in the finished plug; removing surplus material from the end of said electrode; assembling an insulating member having a central electrode within said hollow shell; definitely and exactly locating the inner end of said central electrode relative to said shell electrode so that a proper spark gap will be present in the finished plug; and securing said insulating member in place within said shell while said central electrode is kept in the position aforesaid requisite to secure a proper spark gap in the finished plug.

2,003,465

MACHINE FOR ASSEMBLING SPARK PLUGS

Hector Rabezzana, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application January 4, 1930, Serial No. 418,572. Divided and this application September 25, 1933, Serial No. 690,838
5 Claims. (Cl. 18—1)



1. Means to assemble an electrode in a spark plug insulator core, including means to move an electrode in the bore of the core, first to an intermediate part way home position and later to its proper operative position, and means to inject sealing material in the bore while the electrode is held in its first mentioned position for subsequent compression when the electrode is moved to its operative position.

2,003,466

SPARK GENERATING SYSTEM

Donald W. Randolph and Hector Rabezzana, Flint, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 22, 1933, Serial No. 667,333
Renewed July 12, 1934
11 Claims. (Cl. 123—148)



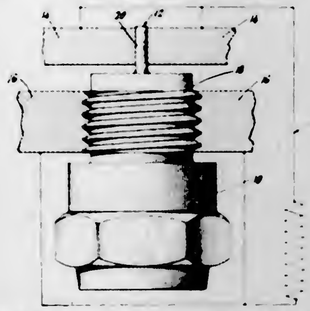
1. In an impulse spark generating system the combination of a condenser, means for charging the condenser comprising an auxiliary circuit including a source of electrical energy, an inductance and an interrupter arranged in series, means for connecting the condenser to the auxiliary circuit so as to receive a charge when the circuit is broken at the interrupter, said last named means including means for preventing discharge of the condenser therethrough.

2,003,467

SPARK PLUG ELECTRODE

Donald W. Randolph and Jay T. Ford, Flint, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 30, 1933, Serial No. 678,342
2 Claims. (Cl. 219—10)



1. The method of welding metal parts one of which contains chromium, a portion of the chromium appearing on the surface as a constituent of an oxide film of high electrical resistance which consists in cleaning said part to remove the oxide film, coating the clean metal with a material which is not readily oxidized, assembling the parts, and passing electrical current through the parts to produce the weld.

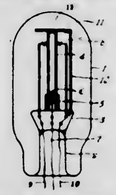
2,003,468

ELECTRIC GAS FILLED DISCHARGE TUBE

Herre Rinia and Hendrik Johannes Meerkamp van Embden, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application October 28, 1931, Serial No. 571,488
In the Netherlands October 30, 1930
3 Claims. (Cl. 176—122)

1. A gaseous conduction luminous discharge device comprising a sealed envelope, a re-entrant stem, a spout mounted coaxial with and extending from said stem, an anode mounted on said stem within said spout and at that end remote from the mouth of the spout, and an electron



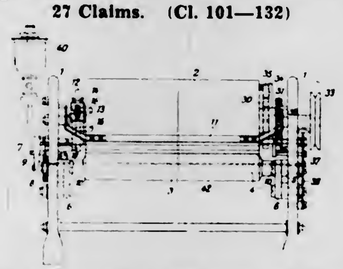
emitting cathode mounted on said stem outside said spout and intermediate the stem and the mouth of said spout.

2,003,469

DUPLICATING APPARATUS

Wilhelm Ritzerfeld, Berlin, Germany

Application April 29, 1929, Serial No. 359,088. Renewed July 13, 1933. In Germany May 9, 1928
27 Claims. (Cl. 101—132)



1. In a duplicating apparatus printing onto sheets previously moistened with a rapidly volatilizing liquid, the combination of a printing roller bearing copyable mirror-script original, a pressure roller pressing copy sheets against the said printing roller, a damping device furnishing the copy sheets with a coating of said rapidly volatilizing liquid, means for actuating the printing roller, the pressure roller and the damping device in mutually dependent fashion, means for moving the said damping device into permanent contact with the copy sheets, and means for allowing the said printing roller to perform a desired number of revolutions in succession.

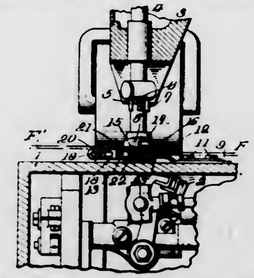
2,003,470

EDGE GUIDE FOR SEWING MACHINES

Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application December 5, 1933, Serial No. 701,032
4 Claims. (Cl. 112—153)

1. In a sewing machine, a stitch forming mechanism, a work support, a guide for directing overlapped fabric sections to the stitching mechanism, including a base member having a section adapted to be attached to the work support and a fabric supporting section offset therefrom and extending parallel with the work support so as to provide a space therebeneath for the guiding of a fabric section, said fabric supporting section at its outer end having an upwardly extending portion forming at its inner side an edge guide for a fabric section, a fabric supporting member contacting with the upper face of said extension and extending beyond said edge guide so as to overhang the fabric supporting section of the base member and form a fabric guiding means for the fabric section contacting with said edge guide, said fabric supporting member having an upturned and backwardly extending section forming an edge guide for the fabric section resting thereon, a plate formed integral with said fabric engaging member and disposed beneath said fabric engaging section of the base member,



said plate having a depending member at its inner end adapted to serve as an edge guide for a fabric section when directed beneath said fabric supporting section of the base member, and means whereby said fabric supporting member and said plate may be simultaneously adjusted on said base supporting member to different set positions for varying the extent of overlap in the fabric sections.

2,003,471

SULPHONATED TERPENE PRODUCT AND METHOD OF PRODUCING SAME

Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 28, 1932, Serial No. 614,281
22 Claims. (Cl. 260—99.10)

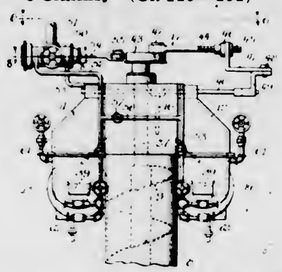
1. The process of preparing a sulphonated product which includes reacting a mixture of a polymerized terpene and another organic compound which is capable of sulphonation in conjunction with the polymerized terpene, with a sulphonating acid.

2,003,472

STOKING MECHANISM

Edward Ryan, Knox, Ind., and Ernest R. Funk, Galesburg, Ill., assignors to The Standard Stoker Company, Incorporated, New York, N. Y., a corporation of Delaware

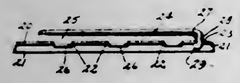
Application November 24, 1928, Serial No. 321,541
Renewed November 3, 1934
6 Claims. (Cl. 110—101)



1. In a stoker, in combination with a firebox, a screw conveyor casing arranged to extend up-

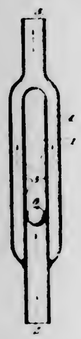
wardly outside the rear wall of the fire box, a feed screw therein, a pair of discharge conduits connected to said casing and communicating with the firebox through the rear wall thereof, means cooperating with said feed screw to distribute the fuel as it is discharged from the upper end of the casing adjustable to vary the distribution to the opposite sides of the casing, and means imparting reciprocating movement to said first named means for alternately delivering fuel to one and then to the other of said discharge conduits.

2,003,473
CHAIN TYPE DOOR FASTENER
Alfred J. Schulz and Herbert H. Schulz, Milwaukee, Wis.
Application January 22, 1934, Serial No. 707,744
7 Claims. (Cl. 292—264)



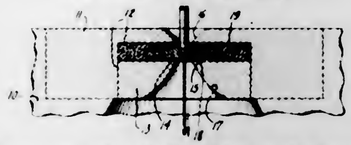
1. A door fastening chain device comprising the combination with a chain and a shoe, of an apertured anchorage plate and a rail mounted on said plate to receive said shoe and comprising a piece of sheet metal folded to provide rectilinearly disposed laterally overhanging flanges, and a centrally located mounting portion beneath said flanges and connected with said plate through said apertures.

2,003,474
FLUID FLOW METER
Eugen Schweitzer, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application April 29, 1932, Serial No. 608,331
In Germany May 8, 1931
2 Claims. (Cl. 73—167)



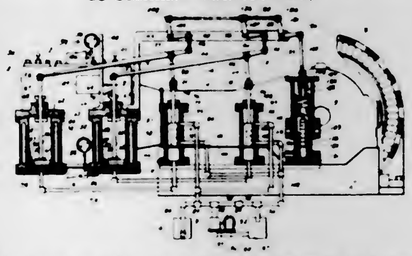
1. A device for measuring the rate of flow of gases and liquids comprising the combination of a vertical cylindrical inner tube, provided with an inlet at its lower end and with tangentially directed openings spaced longitudinally of said inner tube, a jacket tube surrounding said perforated tube and provided with an outlet and a movable ball in said inner tube, the diameter of said ball being but a little smaller than the inner diameter of the tube, so that, when the current flows through the inner tube, the ball rises, its altitude depending on the intensity of the current.

2,003,475
WIRE-DRAWING DIE
Robert C. Shipp, East Orange, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application July 21, 1932, Serial No. 623,690
7 Claims. (Cl. 205—29)



1. A mount for a wire-drawing die comprising a cup, a wire-drawing die disposed on the bottom of the cup and embedded in a mass of sodium silicate.

2,003,476
COMPRESSOR
Everett W. Swartwout, Scarsdale, N. Y.
Application May 17, 1933, Serial No. 671,480
15 Claims. (Cl. 230—21)



1. In a variable capacity compressor, the combination of a cylinder comprising a compression compartment, a piston reciprocable therein, power operated means for operating the said piston, inlet and discharge valves and openings, and means for varying the clearance volume in indefinite extent by increments or decrements supplemental to the normal clearance volume in response to variation of output of the compressor.

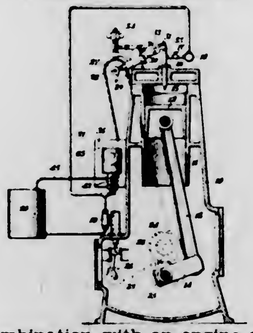
2,003,477
PROCESS FOR EFFECTING ORGANIC VAPOR PHASE REACTIONS
John C. Woodhouse, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 28, 1931, Serial No. 519,276
17 Claims. (Cl. 260—116)

1. In a process for the synthesis of organic compounds in the vapor phase in which carbon monoxide is one of the reacting constituents the step which comprises synthesizing the organic compounds in the presence of carbon monoxide and a gaseous exciter selected from the group of gaseous exciters comprising the halogens, the hydro-halides, the alkyl halides, and the oxides of nitrogen.

7. A process for the synthesis of acetic acid in the vapor phase which comprises diffusing carbon monoxide with hydrogen chloride, and subsequently allowing the resulting gas to react with vaporized methanol.

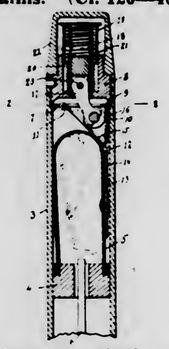
8. A process for the synthesis of hydrocyanic acid which comprises diffusing carbon monoxide with nitric oxide, and subsequently allowing the resulting gas to react with ammonia in the presence of a thoria catalyst.

2,003,478
OVERSPEED DEVICE
Charles M. Bovard, Grove City, Pa., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application August 12, 1931, Serial No. 556,471
4 Claims. (Cl. 123—32)



4. In combination with an engine of the class described, of a fuel manifold connected to the engine cylinders to supply fuel thereto, means for supplying fuel under pressure to said manifold, means for regulating the amounts of fuel so supplied to the cylinders, a valve connected between said manifold and a point at lower pressure, and means responsive to speed conditions for opening and closing said valve respectively to relieve the pressure in said manifold under abnormally high speed conditions and to restore normal pressure under normal speed conditions.

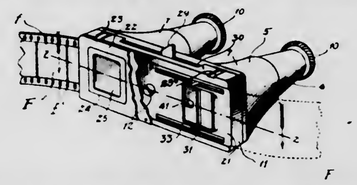
2,003,479
FOUNTAIN PEN
Herbert L. Carman, Arlington, N. J.
Application July 28, 1934, Serial No. 737,377
2 Claims. (Cl. 120—46)



1. In a fountain pen, a nipple, means for collapsing said nipple comprising a fixed member, a lever for collapsing the nipple pivotally mounted on said member and forming therewith a V, a plunger, an arm pivotally connected in the plunger, and a roller on said arm engaging the V.

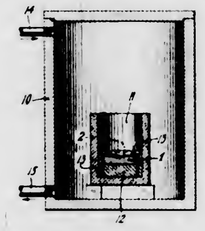
2,003,480
STEREOSCOPE
Herman A. de Vry, Chicago, Ill.
Application July 10, 1933, Serial No. 679,596
3 Claims. (Cl. 88—31)

1. As a new article of manufacture, a stereoscope adapted for use with a motion picture type film having a longitudinal series of pairs of stereoscopic pictures thereon and a longitudinal series of perforations along one of the margins thereof, and comprising a hollow body with an open front end and its rear end shaped to form a pair of side by side eye pieces; lenses in the eye pieces; a member connected to and closing the front end of the body and having a channel for holding the film across said front end of the body and in front of the eye pieces and a pair of apertures intersecting the channel and in alinement with the eye pieces, said member also having an elongated marginal notch adjacent the front end of the body and a slot adjacent the apertures; and a device for feeding the film through the channel comprising a plate mounted slidably be-



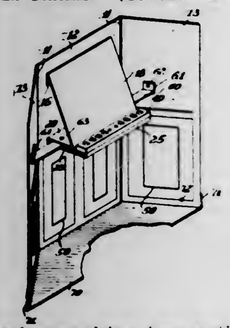
tween the member and the front end of the body and provided with an integral finger piece extending outwardly through the notch whereby it may be shifted back and forth from outside the body, and a forwardly extending spring pressed tooth carried by the plate so that it extends through and slides in the slot and is adapted for insertion in the perforations in the film, and having one side thereof substantially straight so that during shift of the plate in one direction it operates to feed the film through the channel so as to bring the pairs of pictures successively into registry with the apertures for view through the eye pieces, and having its other side cam-shaped so that upon the return stroke of the plate it automatically releases the film.

2,003,481
CLAD METAL AND PROCESS FOR PRODUCING THE SAME
Louis F. Ehrke, Newark, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application February 6, 1932, Serial No. 591,353
2 Claims. (Cl. 91—70.2)



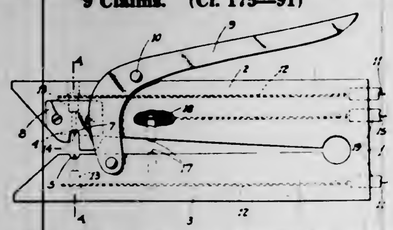
1. The process of making clad metals consisting of tungsten and copper comprising, in the presence of hydrogen, coating said tungsten with a relatively thin layer of molten copper, solidifying said molten layer, mechanically treating said copper layer and thereafter elevating the temperature of said thin layer and coating said thin layer with a second molten layer of copper whose mass is great as compared to that of said thin layer and solidifying said second layer.

2,003,482
EASEL CONSTRUCTION
Howard M. Fancher, Rochester, N. Y., assignor to The Rochester Folding Box Co., Rochester, N. Y., a corporation of New York
Application June 23, 1934, Serial No. 732,133
12 Claims. (Cl. 248—198)



1. An easel comprising two sections of sheet material hingedly connected to each other and adapted to be placed at an angle to each other to form a structure capable of standing upright on a supporting surface, and an inclined member secured to one of said sections to form a support for a sheet of paper, said inclined member being of less width than said section to which it is secured and being supported wholly by said section independently of the other section.

2,003,483
FUSE IGNITER
Jason S. Frye, Sacramento, Calif., assignor of one-third to C. E. Baker, one-third to A. I. Richards, and one-third to H. M. Rich, all of Sacramento, Calif.
Application February 21, 1933, Serial No. 657,830
9 Claims. (Cl. 175—91)



1. A fuse igniting tool comprising separate axially alined spark points, means to move the points toward each other and through the jacket of a fuse so that the adjacent ends of the points are in contact with the powder, a circuit for the points and means closing the circuit only when said points are moved in contact with the powder and also limiting the approach of the points toward each other.

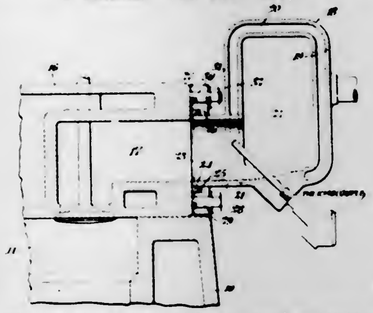
2,003,484
DOOR OPERATING APPARATUS
Edouard Gauthier, Timmins, Ontario, Canada
Application September 12, 1932, Serial No. 632,760
3 Claims. (Cl. 268—35)

1. In apparatus of the character described the combination with a pair of doors, of a longitudinally slidable operating rod, means connecting the doors with one end of the rod for swinging the doors to open and closed positions upon operation of the rod, a ledge having a recess extending beneath the operating rod, a pair of angular brackets pivotally connected to the operating rod and adapted to swing vertically, and a roller rotatably attached to the end portion of one leg



of each bracket, the said brackets being arranged so that one leg thereof will project upwardly to engage a vehicle for sliding the rod and to automatically swing to a downward vehicle disengaging position at a predetermined position of the rod.

2,003,485
EXHAUST MANIFOLD AND CONNECTION
Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application July 11, 1931, Serial No. 550,067
4 Claims. (Cl. 123—195)

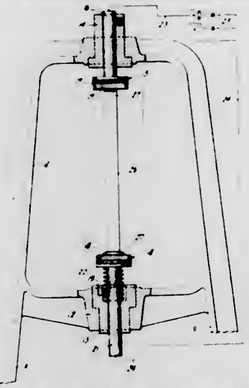


1. The combination with an engine casting, a plurality of engine cylinders, a head for each cylinder, means for individually removably securing each head to its cylinder for vertical removal and replacement, each head being provided with an exhaust port opening on one of its lateral sides, a common exhaust manifold, short hollow extensions on said manifold extending toward said heads with a clearance fit and connecting said exhaust ports to the chamber of the manifold, packing means for the joint between the extensions and exhaust ports including a gland ring, tap bolts for drawing the lower section of each ring to the corresponding cylinder head, studs on each cylinder head projecting through upwardly opening slots in the upper section of said rings and threaded at their free ends, and nuts threaded on said studs for drawing the upper section of said rings toward the cylinder heads.

2,003,486
HEAT TREATMENT OF METALS
Thomas J. Hankins, Jr., Springfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application November 1, 1932, Serial No. 640,621
2 Claims. (Cl. 219—11)

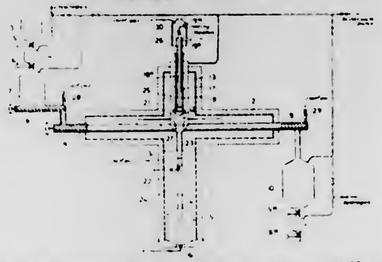
1. The method of treating a partially sintered bar which comprises locating said bar between a pair of contacts, placing a quantity of powdered tungsten between the outer ends of said bar and said contacts with said powder being contiguous with substantially only the faces of said contact

and the faces of said bar immediately adjacent each other, applying an electric potential between said contacts to elevate the temperature of said



bar to further sinter the particles of said bar, maintaining said bar in position wholly by pressure exterted in the direction of the longitudinal axis of the bar.

2,003,487
PROCESS OF PRODUCING SUBSTANTIALLY PURE MAGNESIUM
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application February 3, 1933, Serial No. 655,067
In Austria February 11, 1932
13 Claims. (Cl. 75—17)



1. The process for producing substantially pure magnesium which comprises heating material containing metallic magnesium, to liberate magnesium vapor therefrom, removing the resulting vapor by a non-oxidizing gas from the heated zone, separating out dust from said vapor, and thereafter passing it into a condensation zone, and cooling it to condensation point.

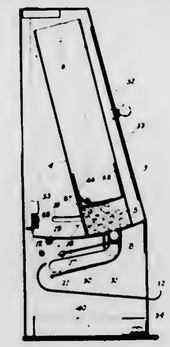
2,003,488
THREADLESS PIPE CONNECTION AND METHOD OF MAKING SAME
Ira T. Hook, New Haven, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application June 6, 1932, Serial No. 615,661
6 Claims. (Cl. 29—148.2)

1. A threadless pipe connection comprising a pipe of substantially uniform wall thickness having an end portion flared outwardly to provide an internal taper of an included angle in the neighborhood of approximately 21°, a fitting having an end portion within the tapered end of the pipe and externally tapered on substantially the same angle to fit the taper of the pipe, and a soldering material between said tapered sur-



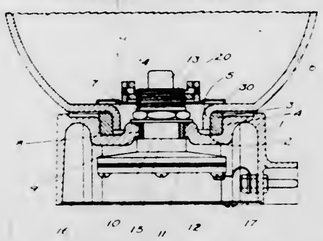
faces and bonding the inner tapered surface of the pipe to the outer tapered surfaces of the fitting.

2,003,489
CIGARETTE VENDING MACHINE
Webb Jay, Miami Beach, Fla., and Lewis Pengilly, San Francisco, Calif.; said Pengilly assignor to said Jay
Application February 8, 1932, Serial No. 591,478
12 Claims. (Cl. 194—88)



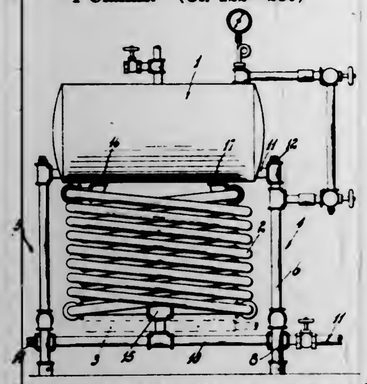
1. A coin controlled vending machine comprising a cigarette dispensing means, operating means therefor, an igniter positioned to light a dispensed cigarette, a coin passage, means actuated in conjunction with the operation of the dispensing means to advance a coin through the passage, and means actuated by the coin to set the igniter in operation.

2,003,490
BEVERAGE MAKER
Ambrose D. Olds, Wichita, Kans.
Application October 20, 1934, Serial No. 749,240
9 Claims. (Cl. 219—43)



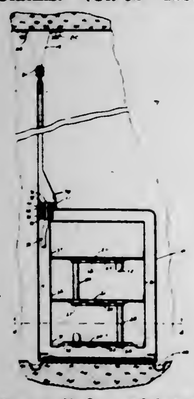
1. In combination a heater base, a receptacle for the base having a central opening in its bottom, a packing ring between the receptacle and the base, an upstanding projection on the base extending through the opening in the bottom of the receptacle, a detachable ring on the upstanding projection, a cam carried thereby and a clamping disc against which the cam operates to force the receptacle down upon the packing.

2,003,491
BOILER CONSTRUCTION
Sidney E. Parker, Los Angeles, Calif., assignor to Charles J. Mund, Los Angeles, Calif.
Application May 28, 1934, Serial No. 727,920
4 Claims. (Cl. 122—250)



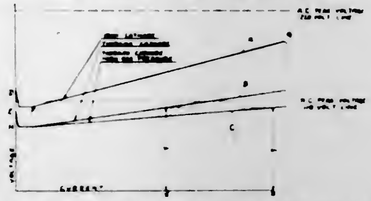
1. In a boiler construction comprising a boiler drum, a tubular frame comprising a pair of end members, each of said end members comprising a vertical pipe, a pair of pipe legs attached to the bottom of said vertical pipe, said vertical pipe extending into the boiler drum at the upper end thereof, a horizontal pipe connecting said end members, and a water intake extending into said horizontal pipe, screw plugs in the top and bottom of said vertical pipes and a screw plug in the end of said horizontal pipe.

2,003,492
REFRIGERATING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application July 31, 1930, Serial No. 471,927
Renewed May 18, 1934
6 Claims. (Cl. 62—126)



4. In a cooling unit for refrigerating apparatus, the combination of a sheet metal freezing chamber, refrigerant passages within said freezing chamber, a box cooling member extending above the freezing chamber and separate therefrom, said cooling member having refrigerant passages therein, means for connecting the refrigerant passages in the freezing chamber and the box cooling member, and means for insulating said connecting means from the freezing chamber.

2,003,493
NEGATIVE GLOWLAMP
Harvey C. Rentschler, East Orange, and Donald E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a corporation of Pennsylvania
Application March 20, 1929, Serial No. 348,409
7 Claims. (Cl. 176—122)



1. A glow discharge lamp operable on an approximately 110 to 220 volt alternating current lighting circuit with a stable discharge without a current limiting means therewith, comprising an envelope containing a monatomic gas selected according to its starting and arcing voltage with respect to the peak voltage of the circuit in which it is designed to operate, a pair of electrodes therein, at least one of said electrodes being composed of thorium, the discharge initiating and operating potentials of said lamp being no greater than the peak voltage of the alternating current lighting circuit and the arcing potential of said lamp being greater than the peak voltage of said A. C. lighting circuit.

2,003,494
LAMINATED MATERIAL
Richard S. Reynolds, Glen Cove, N. Y., assignor to Reynolds Research Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1934, Serial No. 726,701
9 Claims. (Cl. 154—2)



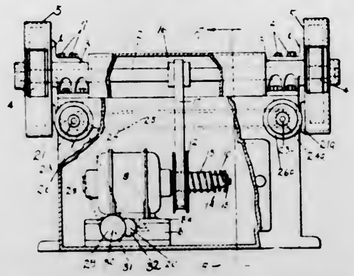
1. A laminated sheet comprising a first lamination of porous metal foil, and a second lamination of tenacious flexible substantially transparent material extending into the pores of the metal foil.

8. That process of making a laminated material which comprises the steps of preparing metal foil with minute perforations therethrough, applying thereto a sheet of material which is plastic upon being heated, and pressing the foil and material together while applying heat sufficient to render such material plastic.

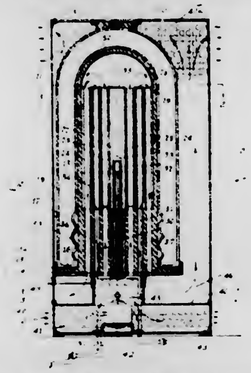
2,003,495
GRINDING MACHINE
Emil Ritz, Jr., Mount Healthy, Ohio, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio, a partnership composed of Walter J. Friedlander and John W. Friedlander
Application April 11, 1930, Serial No. 443,400
15 Claims. (Cl. 51—166)

1. In a grinding mechanism or the like, a driven shaft, a motor, a variable speed transmission interconnecting said motor and said driven shaft, effective upon a variation of the distance between

said motor and said shaft, a grinding wheel on said driven shaft, a guard surrounding said grinding wheel, and means simultaneously to move said guard and said motor.

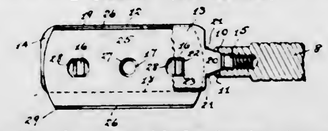


2,003,496
HEAT STORAGE DEVICE
Ralph C. Roe, Englewood, N. J., assignor of one-half to Stephen W. Borden, Summit, N. J.
Application July 19, 1933, Serial No. 681,080
16 Claims. (Cl. 219—39)



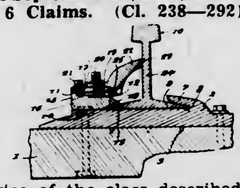
1. A heat storage device which includes: a block of heat storage material; a heat insulating member surrounding the block; vertical airways through the block; a partition at the bottom of the airways dividing the airways into two groups; an air space within the insulating member connecting together the tops of the two groups of airways; an enclosure for the whole, spaced apart from the insulating member to form vertical air flues extending from the bottom to the top of the insulating member, the enclosure extending above and below the insulating member, that portion below the insulating member being divided, by the before mentioned partition, into two chambers one of which is an air chamber in communication with one set of airways and having air inlet apertures in the sides of the enclosure and the other of which is an air passage connecting the lower end of the other group of airways with the lower end of the vertical air flues; an air chamber in the upper portion of the enclosure and in which the air flues terminate, said chamber having air outlet apertures in the casing wall; the whole forming a closed air passageway from the air inlet apertures through the heat storage block to the air outlet apertures; means located in the air passageway for producing a flow of air therethrough; and means for heating the block.

2,003,497
CUTTER BLADE HOLDER
Bernard Tewelow, Wilmington, Del., and Solomon Tewelow, Philadelphia, Pa.
Application July 26, 1932, Serial No. 624,728
1 Claim. (Cl. 30—25)



A holder for razor blades having in combination a handle provided at one end with a longitudinally-extending internally-threaded socket with a tapered annular clamping wall and at the opposite end having a projecting threaded stem, two disconnected and separable clamping-plates,—one having two spaced-apart inclined lugs punched therefrom so as to project at the inner side thereof and also having an intermediate opening while the other of said disconnected plates is provided with spaced slots each with an inclined wall to receive said punched-out inclined lugs and an intermediate screw-threaded opening, one of said disconnected plates also having a threaded stem at one end to enter the longitudinally-extending internally-threaded handle-socket and the other of said two plates having an end lug with inclined edges to engage the annular clamping wall of the handle-socket whereby the two plates with a blade between them may be drawn toward each other to clamp the blade when the plate having the lug with the inclined edges engages the clamping wall of the handle-socket, or, said plates with a blade between them may be attached to the handle by passing the stem of the handle through the intermediate opening of the lug-plate then through the blade and screwing said stem into the intermediate threaded opening of said other plate.

2,003,498
RAILROAD BASE PLATE AND FASTENER
Wesley E. Wenner, Allentown, Pa.
Application September 27, 1932, Serial No. 635,111
6 Claims. (Cl. 238—292)

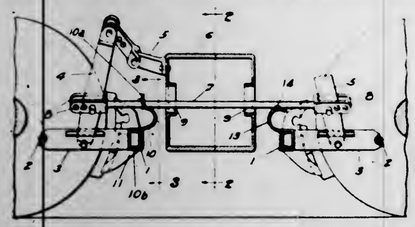


1. A device of the class described comprising a base plate adapted to support a rail, a housing carried by said base plate, a wedge block slidably mounted within said housing adapted to engage the base of a rail; said wedge block being provided with an upper inclined rear end, and a clamping screw carried by said housing and engaging said inclined face of said wedge block for permitting the longitudinal wedging adjustment of said wedge block within said housing for forcing the same into locking position with the base of a rail.

2,003,499
BRAKE BEAM SAFETY DEVICE
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1931, Serial No. 583,998
11 Claims. (Cl. 188—210)

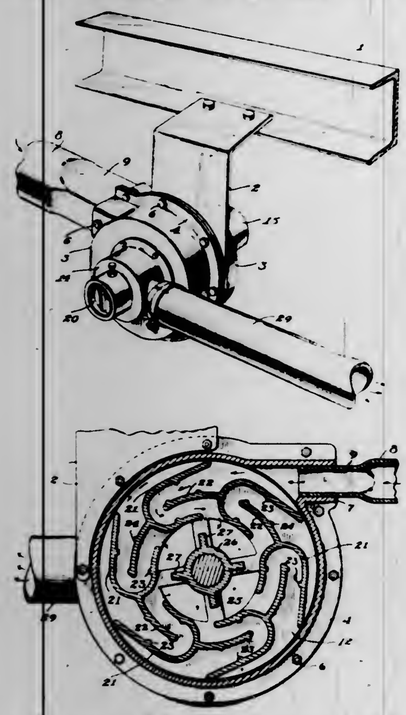
1. In combination in railway brake rigging, a brake lever, a brake beam and a brake lever

connection pivoted to an end and the middle portion, respectively, of said lever, and a brake beam guard, guide or support member operatively asso-



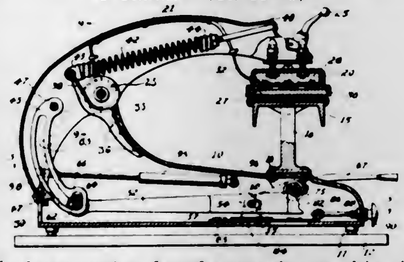
ciated with said connection and a part of said beam spaced substantially vertically from said connection.

2,003,500
MUFFLER
Thomas K. Corless, Long Island City, N. Y.
Application December 29, 1931, Serial No. 583,723
5 Claims. (Cl. 137—160)



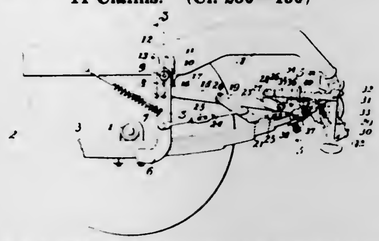
1. A muffler for internal combustion engines, including a substantially cylindrical casing provided with a tangential inlet port and an axial exhaust port, a wheel rotatably mounted within said casing, a plurality of pockets arranged circumferentially about said wheel and adapted to be brought successively into communication with said inlet port, said pockets shaped to reverse the direction of the gases while in the pockets, and a plurality of fins carried by the hub of the wheel and revolving therewith, said fins being in the path of the gases flowing from the pockets to the axial exhaust port.

2,003,501
TABLE MODEL PRESSING MACHINE
Ernest Davis and Albert Kagi, Syracuse, N. Y., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application September 23, 1930, Serial No. 483,877
4 Claims. (Cl. 68—9)



1. A garment or laundry pressing machine including a frame, a lever pivotally mounted on the frame, cooperative pressing elements one of which is carried by the lever for movement therewith to open and close the press, a link connected to the lever by a lost motion connection for permitting closing of the press relatively to the link, an operating lever mounted in the frame, connections between the operating lever and the link to move it on its pivot and to thrust it endwise, said lost motion connection and the link having cooperating parts operable to lock the two parts together without lost motion, when the press is closed, upon the pivotal movement of the link, whereby the endwise thrust movement of the link transmits motion to the lever to finally close the press.

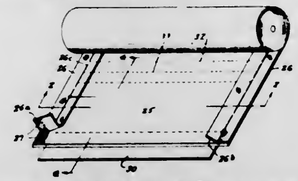
2,003,502
JACKING ATTACHMENT
Max Dwork, Brooklyn, N. Y.
Original application November 25, 1933, Serial No. 699,783. Divided and this application April 11, 1934, Serial No. 720,118
11 Claims. (Cl. 280—150)



5. In a jacking attachment including a pivoted hook, a spring normally tending to draw the hook toward the axle of a vehicle, means for normally resisting the tendency of the spring and for keeping the hook disengaged from the axle, said means including a lever and means by which it is pivoted at the front of the vehicle, a rack and dog arrangement for holding the lever, and a link connecting the lever with the hook.

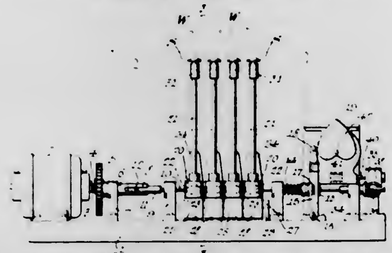
6. A jacking attachment comprising a hook, means including a bracket having at least one integral offset pin insertible in a hole in a chassis, means for pivotally mounting the hook on said bracket, said chassis having a spring supported axle, linkage connected at one point with the hook for swinging the hook with respect to the axle, and means by which the linkage is connected at another point to the chassis.

2,003,503
ROOFING OR SURFACING MATERIAL
Sidney Lanier Eason, Charleston, S. C.
Application August 1, 1933, Serial No. 683,130
11 Claims. (Cl. 108—7)



1. In roofing, adjacent roofing courses, a flexible strip extending along the adjacent edge of each course, the outer marginal portion of each strip being fastened to its related course, the inner marginal portion of each strip being free and constituting a flap, the flap of the strip of one course being turned outwardly into overlying relationship to the outer marginal portion of the strip of the other course, the flap of the strip of the other course being turned outwardly into overlying relationship to the flap of the strip of the first metioned course, and means fastening the flaps together.

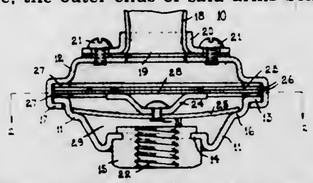
2,003,504
GRINDING AND POLISHING MACHINE
Charles B. Garwood, Linthicum Heights, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application June 25, 1932, Serial No. 619,325
4 Claims. (Cl. 51—95)



4. In a machine of the class described a rotatable wheel, means for supporting an article for rotation in a plane extending substantially radially of the wheel and about an axis in the plane of rotation of the wheel, means for moving said supporting means toward and from the wheel to move the periphery of the rotating supported article against and from the periphery of the rotating wheel, and means for reciprocating the supporting means and the article thereon across the periphery of the wheel.

2,003,505
WARNING SIGNAL
Alexis F. Gillet, Omaha, Nebr., assignor to Jubilee Manufacturing Co., Omaha, Nebr., a corporation of Nebraska
Application January 20, 1934, Serial No. 707,607
4 Claims. (Cl. 116—142)

1. A sounding device comprising a housing arranged to provide a chamber having an outlet port for a communication with a source of suction, said chamber having a wall provided with an air intake aperture, a detent-shelf within the housing, a reciprocable closure-member for the aperture having a surface disposed in parallelism with said wall, and a member provided with not less than three similar integral radially disposed resilient arms carrying the closure-member for maintaining the latter in an initial yieldable position normally sealing the aperture, the outer ends of said arms being sub-



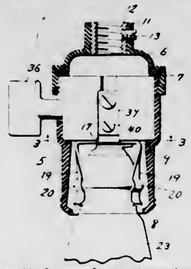
stantially equi-distant with respect to each other and resting upon the shelf for providing a spider bearing, whereby when the closure member reciprocates during a sounding of the device incident to suction applied to the chamber the spider bearing maintains the said parallelism of the closure-member constant with respect to the wall.

2,003,506
COLLAPSIBLE TUBE CAP
Albert Goss, Dunedin, Fla.
Application April 26, 1934, Serial No. 722,559
6 Claims. (Cl. 221—60)



1. In combination with a discharge nozzle having a discharge opening therethrough, a cap having a discharge opening therethrough rotatably mounted on the nozzle, a pair of substantially segmental plates disposed between the cap and nozzle and adapted to move relatively to one another to collectively close and expose said opening, and means to simultaneously move said plates through the turning movement of the cap to control the discharge through said opening and between the plates.

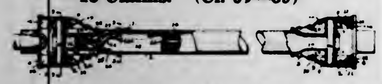
2,003,507
QUICK-DETACHABLE LAMP AND SOCKET
Nicholas Louis Guljas, Jr., South Bend, Ind.
Application March 6, 1934, Serial No. 714,342
1 Claim. (Cl. 173—350)



An electric switch socket structure comprising a hollow dielectric body divided into a pair of sections, a switch in the body including a pair of spring contacts and a rotary contactor operative against said contacts, a knob for actuating the contactor, said body provided with a depending boss, a frame provided with a pair

of upstanding leg members having openings in their end portions, said frame having an opening therein through which the frame snugly receives the boss, a pair of lamp base engaging and retaining arms depending from the frame, a conductor extending from one of the switch contacts, a U shaped spring contact on the lower end of the conductor with one leg portion thereof extending through the bottom of the boss to engage with the contact of a lamp held between the spring arms, said upstanding leg members being disposed along opposite sides of the body, said body having a bore therethrough through which the openings of the leg members are alignable, a bolt for disposition through the openings of the legs and the bore of the body, for holding the sections of the dielectric body and retaining arms frame together.

2,003,508
PROPELLER SHAFT
Stephen Jencick, Chagrin Falls, Ohio
Application August 4, 1930, Serial No. 473,091
15 Claims. (Cl. 64—89)



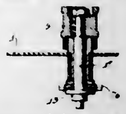
1. An automobile propeller shaft comprising a one-piece continuous, hollow tubular member, universal couplings provided directly upon the two ends thereof, and means for automatically lubricating said couplings only upon starting and stopping of the shaft rotation.

2,003,509
TAPPET
Stephen Jencick, Chagrin Falls, Ohio
Application November 25, 1931, Serial No. 577,354
5 Claims. (Cl. 123—90)



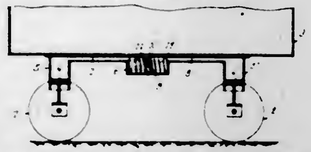
1. In a tappet assembly, the combination of a valve adapted to normally occupy closed position, a tappet comprising a plurality of longitudinally extensible, frictionally engaging parts with resilient means operatively associated therewith so as to permit contraction and effect automatic extension of the same respectively, means having a surface of regular curvature operatable as an eccentric about a center and having operative engagement with said parts for increasing the degree of friction therebetween, and means for actuating the tappet so as to open the valve and permit closing thereof, whereby there is obtained automatic adjustment of the tappet so as to maintain normal operative engagement of the tappet with the valve stem.

2,003,510
FILM REEL
Walter G. King and Max E. Krause, Chicago, Ill.
Application April 8, 1932, Serial No. 604,090
3 Claims. (Cl. 88—18.7)



1. A film reel comprising a circular stationary plate, a shaft fixedly secured to and extending beneath said plate, a gear wheel rotatably mounted on said shaft, a plurality of pinion means disposed around and geared with said gear wheel, a plurality of spool means positioned above said plate and being fixedly connected to said pinions, a plurality of radially extending rollers for carrying a film reel on the outside of said plurality of spool means, one of said pinions being provided with a transmission unit whereby said gear wheel and said plurality of pinions may be moved, a second pinion fixedly secured to one of said pinions, an idler pinion operatively connected to said second pinion, a geared feed sprocket means extending through said plate and in meshed relation with said idler, and a plurality of rotatably mounted guard means for guarding the film in operative proximity to said feed sprocket means.

2,003,511
COMPENSATING DEVICE ACTING BETWEEN THE DIFFERENT PNEUMATIC MOUNTINGS OF A VEHICLE
Jean Mercier, Neuilly-sur-Seine, France
Application November 23, 1933, Serial No. 699,475
3 Claims. (Cl. 267—65)

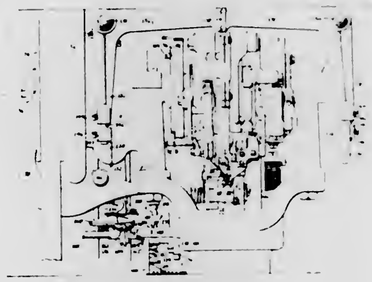


1. In a vehicle provided with a body and a supporting gear, at least two chambers of variable volume adapted to contain a fluid under pressure and located at two distant points of said body between the supporting gear and the vehicle body, said chambers being subjected to different static pressures, means affording communication between said two chambers of variable volume, a partition which is movable in said means of communication and is in non-leaking contact with the walls of said means of communication, and elastic means adapted to balance the difference in the static pressures of said two chambers and to urge said movable partition towards the chamber in which the static pressure is the higher.

2,003,512
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 30, 1932, Serial No. 645,019
21 Claims. (Cl. 112—219)

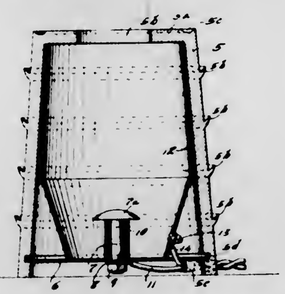
1. A machine adapted for use in the manufacture of shoes having, in combination, shoe feeding and operating devices for performing an operation progressively about the bottom margin of a shoe, an auxiliary mechanism arranged to

operate upon completion of the operation upon the shoe, and a shoe contact member extending into a position to be engaged by the shoe at the



end of the operation and during the continued operation of said feeding and operating devices to throw said auxiliary mechanism into operation.

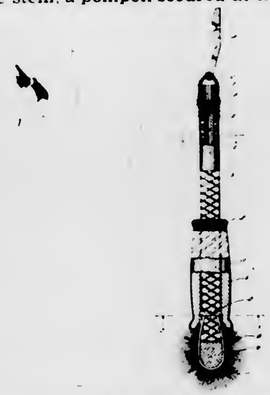
2,003,513
ANIMAL TRAP
Lloyd D. Myers, Minneapolis, Minn.
Application November 2, 1932, Serial No. 640,739
9 Claims. (Cl. 43—98)



1. An animal trap having in combination, a casing adapted to rest upon a supporting surface and having a chamber therein having a bottom, the same having an opening adjacent its upper end and having substantially vertical walls whereby an animal entering said opening will jump or drop to said bottom, a member upstanding from said bottom forming one electrode of an electric circuit, a second annular member surrounding said member adjacent the wall of said chamber and sloping toward said member to be adjacent the same, said latter member forming the opposite electrode of said circuit, whereby an animal entering said opening and dropping or jumping to said bottom will engage said electrodes, complete the circuit and be electrocuted.
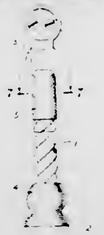
2,003,514
GRIP STRAP
Herman H. Rubin, New York, N. Y.
Application September 30, 1931, Serial No. 565,991
3 Claims. (Cl. 105—354)

1. A hand hold comprising a composite stem including a laterally compressible rubber core and a rubberized fabric enclosing said core and having substantial resistance to longitudinal stretching, an attaching device at one end of the stem, a pompon secured at the other end, and



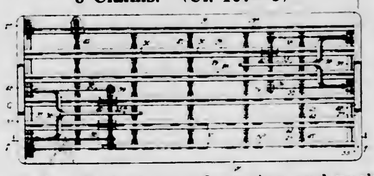
a grip mounted on the stem between the pompon and the attaching device.

2,003,515
GRIP STRAP
Herman H. Rubin and Maurice M. Balsam, New York, N. Y.; said Balsam assignor to said Rubin
Application January 6, 1932, Serial No. 584,978
2 Claims. (Cl. 105—354)



1. An assist grip comprising a stem, a pompon and a pompon fastening member co-operating with the stem and having interlocking clamp portions at its ends compressibly engaging the stem and a strap portion integral with and connecting said clamps and embracing a portion of the pompon.

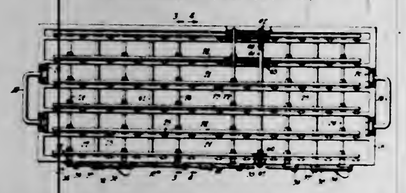
2,003,516
ART OF MANUFACTURING AND PACKAGING ARTICLES
Milton Schnaier, New York, N. Y.
Application May 20, 1930, Serial No. 453,896
8 Claims. (Cl. 107—8)



1. The method of manufacturing and packaging molded handled articles, which consists in aligning a multiplicity of handle members in parallel relation, locking said handles in fixed

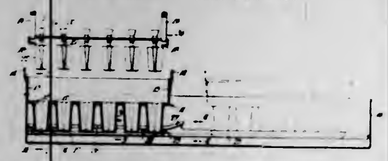
position relative to each other, co-ordinating said locked handles with respect to corresponding relatively fixed mold cavities, completing the molding operation, removing the relatively fixed handles with the molded product bonded thereto from said molding cavities and disposing said gripped handles with the molded bodies in downwardly extending relation and in alignment with respect to a corresponding multiplicity of open wrappers and thereupon releasing said handled bodies to drop with their molded ends into said open wrappers.

2,003,517
STICK HANDLING MECHANISM
Milton Schnaier, New York, N. Y.
Application December 6, 1930, Serial No. 500,457
13 Claims. (Cl. 107—8)



2. A stick handling apparatus including a frame, a plurality of fixed transversely spaced rails extending lengthwise of the frame, a plurality of transversely movable rails extending lengthwise of said frame, means for positively moving them in both directions, stick engaging members carried by the movable rails, whereby transverse movement of the movable rails toward the fixed rails will move the members to engage sticks between said rails.

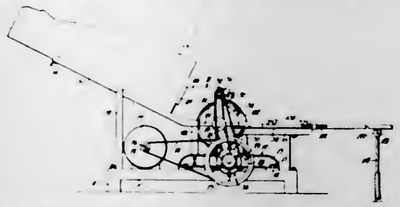
2,003,518
APPARATUS FOR AND METHOD OF PROCESSING FROZEN CONFECTIONS
Milton Schnaier, New York, N. Y.
Application March 18, 1931, Serial No. 523,479
8 Claims. (Cl. 107—8)



2. As a new article of manufacture, a defrosting tank having parallel sides, a pair of rails fixed to the inner face of said sides and extending substantially to the end of the tank and adapted to support a freezing mold deposited thereon, a second pair of rails arranged at one portion of the tank only and above and parallel to said first mentioned rails, said second mentioned rails being adapted to block upward movement of the freezing mold when the latter is slid along the first mentioned rails to a predetermined position.

2,003,519
APPARATUS FOR ARRANGING ARTICLES
Milton Schnaier, New York, N. Y.
Application March 24, 1931, Serial No. 524,841
19 Claims. (Cl. 214—7)

1. In a machine of the class described, a hopper, adapted to receive a plurality of flat splints or the like, an intermittently actuated transfer wheel, a portion of the periphery of which constitutes part of the hopper, said wheel having a plurality of stick receiving grooves in its periphery parallel to its axis of rotation, a receiving apparatus upon which the sticks are emplaced on edge, one after the other, to form a



row, ejector fingers for moving the sticks from the wheel onto the receiver, said fingers being disposed approximately tangentially of the wheel and said wheel having circumferential grooves therein receiving the working ends of the fingers, and cam means operating the ejector fingers, the cam means being operative to actuate the ejector fingers while the wheel is at rest.

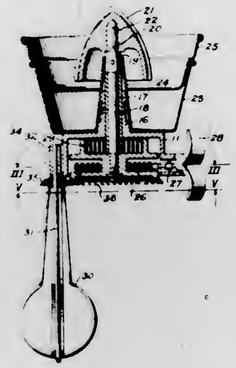
2,003,520
ORCHARD OR FIELD HEATING AND IRRIGATING APPARATUS
Myron E. Seeber, San Diego, Calif.
Application September 9, 1931, Serial No. 561,835
4 Claims. (Cl. 126—59.5)



1. In an orchard or field heating apparatus, the combination with a fluid distributing system, of a heater including a closed casing with an outlet opening at its upper side connecting with said distributing system, a plurality of superposed angularly positioned soot collecting screens near one side of said casing with their lower edges spaced from the side wall of said casing, and a fuel burner positioned under the lowermost screen.

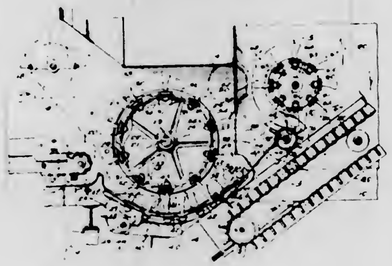
2,003,521
COMBINED ORANGE REAMER AND BEATER
Ralston R. Smith, Oakland, Calif.
Application June 7, 1933, Serial No. 674,643
1 Claim. (Cl. 259—131)

A device of the character described comprising a vertically arranged cylindrical housing open at its lower end, a vertically disposed shaft disposed concentrically of the housing and rotatable therein, a sheave secured to the shaft within the housing, a pull member wound on the sheave and extending through the side of the housing to rotate the shaft in one direction, spring means associated with the sheave and housing to rotate the shaft in the opposite direction upon release of the pull member, a fruit reamer secured to the upper end of the shaft above the housing, a socket for the reception of a geared beater device on the side of the housing, and a gear secured to the bottom of said sheave and positioned to mesh with a gear on the beater



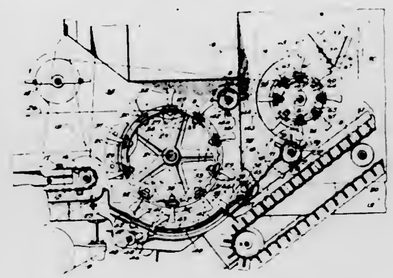
device to operate the same upon rotation of the said shaft.

2,003,522
THRESHING
Lowell H. Thoen, San Leandro, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 27, 1930, Serial No. 505,076
11 Claims. (Cl. 130—27)



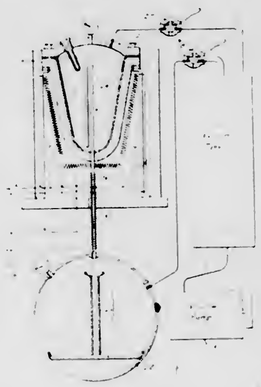
11. In a threshing machine, a thresher housing, a separator housing, a thresher including a rotatable toothed cylinder and a stationary toothed concave mounted in said thresher housing, a feeder for feeding material to the thresher in the thresher housing, a second thresher adapting said machine for the threshing of beans and mounted in said separator housing, said second thresher including a pair of cylinders having interengaging teeth and rotatable in opposite directions, one of said second cylinders serving to feed material from the first-mentioned thresher between it and the other of said secondary thresher cylinders, a grate between the concave of the first-mentioned thresher and the feed cylinder of the second thresher, an interrelated driving connection for rotating all of said cylinders at a constant speed relationship and for rotating the second thresher cylinders at different tooth speeds, and a cell belt positioned below said grate and below the second thresher to receive kernels threshed by the primary thresher which fall through said grate and also to receive kernels threshed by said second thresher.

2,003,523
THRESHING
Lowell H. Thoen, San Leandro, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application January 23, 1931, Serial No. 510,716
8 Claims. (Cl. 130—27)



1. In a threshing machine, a primary thresher comprising a pair of cooperating toothed cylinders, and a series of stationary teeth cooperating with one of said cylinders, a secondary thresher comprising a pair of cooperating toothed cylinders, and a series of stationary teeth cooperating with one of said cylinders, and means to rotate the cylinders in said primary thresher in the same direction, and to rotate said cylinders in said secondary thresher in opposite directions.

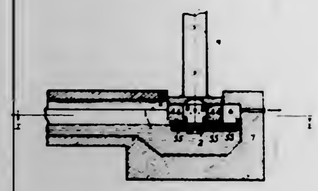
2,003,524
ALLOY
Thomas H. Warner, Union City, N. J., assignor to Metal Alloys, Inc., Wilmington, Del., a corporation of Delaware
Application August 27, 1931, Serial No. 559,696
Renewed November 1, 1934
2 Claims. (Cl. 75—1)



1. An alloy of aluminum, magnesium, boron, vanadium and zinc (aluminum being the base) within the following ranges:

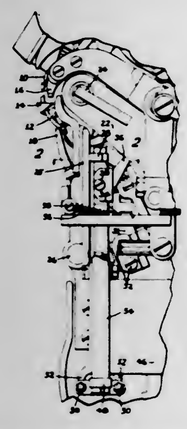
	Percent
Boron	.25 to 1.5
Magnesium	.5 to 1.5
Vanadium	.25 to 1.
Zinc	1. to 4.
Aluminum	98. to 92.

2,003,525
APPARATUS FOR DRAWING GLASS
Walter O. Amsler, Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa., a corporation of Delaware
Application November 1, 1933, Serial No. 696,192
2 Claims. (Cl. 49—17)



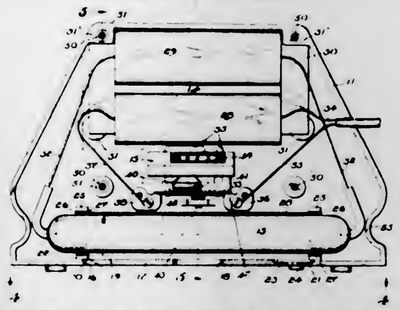
2. In a furnace for sheet-glass drawing, a drawing chamber defined by bridge walls and by a structure including a draw-block, the said structure floating upon the surface of the molten glass within the chamber free of contact with the bridge walls and constituting a continuous screen upon the surface of the glass and between the bridge walls, and means for adjusting such floating structure and the draw-block as part thereof in its position beneath the bridge walls.

2,003,526
OUTSOLE SHOE SEWING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 27, 1934, Serial No. 713,083
4 Claims. (Cl. 112—51)



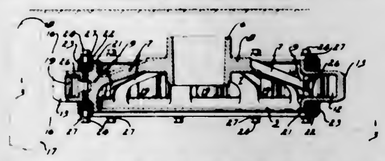
1. An outsole shoe sewing machine having, in combination, a work support, a curved needle, a curved awl, forwardly and upwardly extending frame arms at the rear of the work support in which the needle and awl are mounted, an edge gage, a carrier therefor pivotally mounted below the work support to move transversely of the direction of feed, an adjusting device engaging the carrier adjacent its upper end arranged to resist the backward thrust of the work on the edge gage, and a bracket in which said device is mounted provided with a bracing projection engaging one of said frame arms.

2,003,527
THERAPEUTIC DEVICE
John W. Bacon and Thomas S. Warren, Hermosa Beach, Calif., assignors to Thomas S. Warren, Hermosa Beach, Calif.
Application October 1, 1932, Serial No. 635,774
3 Claims. (Cl. 174—177)



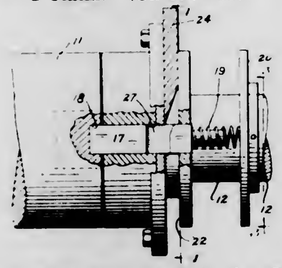
1. In a unitary self-contained therapeutic device adapted to be handled bodily and moved over the body to be treated, in combination, a housing consisting of two cooperating shell members and having an open side with finger gripping grooves formed in its outer face at opposite sides for the convenient handling thereof, a transformer supported within said housing so that the primary and secondary coils thereof are disposed one above the other, said housing being formed closely around said transformer coils for defining the handle of the device, an ultra violet light emitting tube supported horizontally beneath said transformer and adjacent the open side of said housing for emitting light therefrom, said tube being operatively connected with the high voltage circuit of said transformer, means connecting the low voltage circuit of said transformer to a source of electricity, and a time switch mechanism supported within said housing and connected in the low voltage circuit of the transformer for controlling current thereto, said mechanism comprising a time indicator and an operating lever for setting said mechanism for a predetermined period, said housing having an opening therein through which the time indicator is discernible and a further opening through which the operating lever extends whereby to permit its convenient manipulation from the outside of the housing.

2,003,528
WEAR COMPENSATING MEANS
Clarence L. Best, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 15, 1932, Serial No. 628,838
11 Claims. (Cl. 74—243)



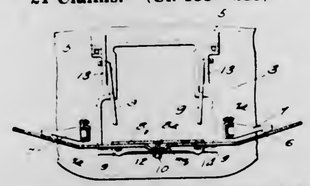
11. A wheel having a rim over which an endless chain is adapted to travel, compressible material mounted around said wheel adjacent said rim for engaging said chain, a clamping member engaging a side of said material, and fastening means engaging said clamping member and adjustably secured to said wheel to move said clamping member laterally with respect to said wheel and expand said material radially.

2,003,529
CLUTCH FOR PUNCH PRESSES
Edward J. Dreis, San Francisco, Calif.
Application June 22, 1931, Serial No. 545,985
1 Claim. (Cl. 192—25)



In combination with the hub of a flywheel, a clutch mechanism for association with said hub, said mechanism including a driven shaft arranged coaxially of the hub and adjacent thereto and concentric therewith and extending from one face of the hub, a sleeve of an external diameter substantially agreeing with the diameter of the hub and concentrically mounted on said shaft and keyed thereto, one face of said sleeve being closely contiguous to said face of the hub, a guide formed coaxially of the hub between the exterior of the shaft and the exterior of the sleeve, a locking dog reciprocably mounted in said guide, the face of said hub being formed with a socket in which said locking dog is adapted to project when the same come in register to lock the sleeve to the hub, said sleeve having a peripheral channel formed therein, a two-part ring loosely mounted in said channel, a trip cam secured to said ring and projecting in said channel, said locking dog having a recess formed therein registering with said channel when the locking dog is disengaged from said socket, said trip cam being operative to engage the recess in said clutch dog when the latter is engaged with said socket and to move said clutch dog endwise away from said hub and disengage it from said socket, said cam acting automatically after a revolution of said sleeve subsequent to the release of the clutch dog by the cam to disengage the dog from the hub.

2,003,530
BRAKE BEAM SUPPORT
Herbert W. Ekholm and Edwin G. Busse, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1932, Serial No. 623,147
21 Claims. (Cl. 188—213)



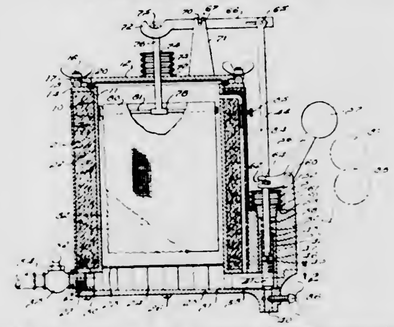
17. In combination, a railway truck side frame, a brake beam guard, guide or support member spaced therefrom and suspended from the upper portion of said side frame and braced from the lower portion thereof.

2,003,531
METAL CONNECTION FOR FRAME MEMBERS
Ermanno Galante, Woburn, Mass.
Application October 15, 1932, Serial No. 637,983
6 Claims. (Cl. 20—94)



1. A metal connection for angularly arranged frame bars, said connection comprising a metal sheet bent to form a sheath having separate housings for receiving and defining the angular position of said respective bars and attachable thereto for connecting said bars, said sheath including an end portion, opposing face portions extending respectively from the top and bottom edges of said end portion, and opposing side portions extending from the side edges of at least one of said face portions, at least one of said side portions being spaced from said end portion.

2,003,532
BEVERAGE COOLING AND DISPENSING DEVICE
George A. Gloor, Dearborn, Mich.
Application June 18, 1934, Serial No. 731,039
8 Claims. (Cl. 225—40)

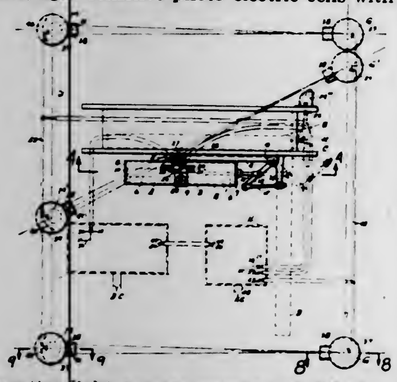


1. A dispensing and cooling device comprising a housing including a liquid container and a refrigerant chamber, a heat conducting wall separating said container and chamber, a refrigerant holder arranged in said chamber, dispensing means for delivering liquid from said container, means normally maintaining said holder in spaced relation with respect to said heat conducting wall and means operable by said dispensing means for adjusting said holder relative to said heat conducting walls to regulate the transmission of heat from the liquid container to the refrigerant chamber.

2,003,533
ELECTRIC DOOR OPENING DEVICE
Mason V. Green, Lansing, Mich., assignor to Frank D. Hayes, Lansing, Mich., as trustee for F. D. Hayes Electric Company
Application March 7, 1932, Serial No. 597,100
4 Claims. (Cl. 268—65)

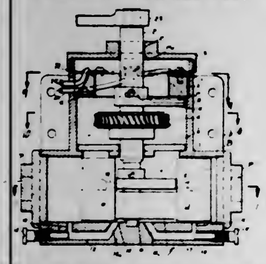
1. An electric device adapted for opening and closing a connected door panel and used in combination therewith, comprising right and left solenoid coils concentric about the same axis and mounted within a rigid frame by a pivoted hinge

connector, said coils being connected within separate electric circuits, a single straight armature plunger slidably mounted through the double solenoid coils, lever mechanism connected to the solenoid frame and also attached to the armature plunger and actuated thereby in a manner for operating a connected door panel, an operating contactor having magnetic operating coils mounted within each of the solenoid circuits, light sensitive photo-electric cells with co-



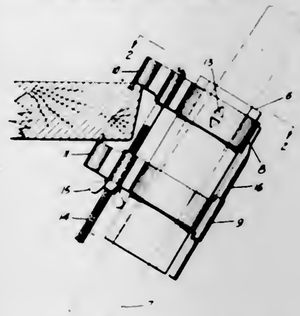
operative light sources mounted at different positions across the passage way leading through the door, said photo-electric cells being connected in parallel to a sensitive cell-relay instrument with a sensitive circuit contactor installed within a separate electric circuit leading through the magnetic coils of the operating contactors for operating same and the connected door opening solenoid as a person or object approaches the door.

2,003,534
MOTOR OPERATED DOOR CONTROL
Mason V. Green, Lansing, Mich., assignor to Frank D. Hayes, trustee for F. D. Hayes Electric Company, Lansing, Mich., a firm
Application May 25, 1932, Serial No. 613,537
4 Claims. (Cl. 268—65)



1. A light sensitive door operating device adapted for opening and closing a door panel within a door casing and used in combination therewith, comprising a hollow tubular casing member suitable for attaching to one of the said door members, a single operating shaft rotatably mounted eximetrically therethrough and projected from one end thereof, jointed door operating lever mechanism fixedly mounted on the projected shaft end and having its opposite end operatively connected to the other door member, a power gear fixedly mounted on said operating shaft within the casing, a reversible electric motor having an extended drive shaft with drive gear attached, mounted thereon and positioned to mesh said drive gear operatively with the power gear of the operating shaft, a circular, reversing switch mounted within said casing, positioned concentric with the shaft and operated thereby, said reversible electric motor being connected in two separated electric power circuits each leading through said reversing double current switch, shaft rotation retarding means mounted within said casing and connected to the operating shaft in a manner capable of retarding its rotation in either direction, a series of electric circuit contactor instruments mounted within the separated motor power circuits and provided with a sensitive electric relay instrument connected within one of the contactor instrument circuits, a series of photo-electric cells mounted along one side of the door passageway at predetermined locations, all of said cells being electrically connected with the sensitive relay instrument, and a corresponding series of co-operative light source units connected in any electric light circuit positioned along the opposite side of the door passageway and each adjusted to reflect light rays on their respective photo-electric cell, one set of cell and light source units being positioned diagonally through the door way.

2,003,535
FISH POLE HOLDERS
Joseph J. Haskin, Oakland, Calif.
Application September 23, 1933, Serial No. 690,697
7 Claims. (Cl. 248—41)

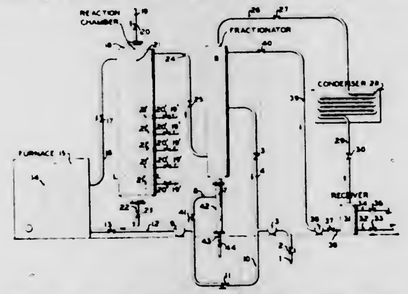


1. In a device of the character described, a tubular member of resilient material and construction, clamp means secured to said member adjacent an end thereof, other clamp means movable relative to said first mentioned clamp means, a threaded guide rod extending from said first mentioned clamp means and through said other clamp means, and a nut on said rod for drawing said clamp means together to engage a support.

2,003,536
CRACKING HYDROCARBON OILS
Jacob Benjamin Heid, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application November 26, 1930, Serial No. 498,236
1 Claim. (Cl. 196—58)

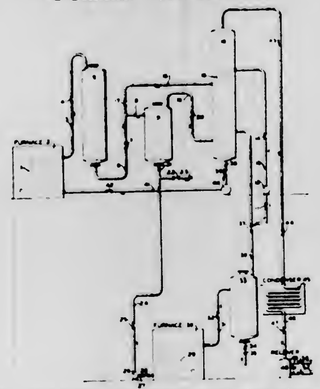
In a hydrocarbon oil cracking process of the character wherein the oil is heated to cracking temperature under pressure while flowing in a restricted stream through a heating zone and thence discharged into the upper portion of an enlarged reaction zone maintained under cracking conditions of temperature and pressure and

wherein the heated oil is separated into vapors and unvaporized oil, the improvement which comprises continuously supplying water in liquid state directly to the surface of the unvaporized oil in the lower portion of the reaction zone, removing admixed oil vapors and steam from the



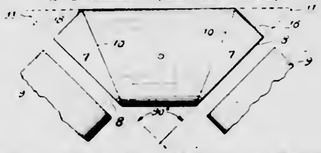
reaction zone and dephlegmating the same to condense insufficiently cracked fractions of the vapors as reflux condensate, separating entrained water from the reflux condensate, and then returning the reflux condensate to the heating zone for retreatment therein.

2,003,537
PROCESS OF CRACKING HYDROCARBON OIL
Jacob Benjamin Heid, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application December 18, 1931, Serial No. 581,965
4 Claims. (Cl. 196—49)



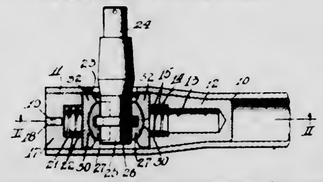
1. A combined cracking and topping process which comprises subjecting hydrocarbon distillate to cracking conditions of temperature and pressure in a conversion zone, removing the cracked oil from said zone and introducing the same to a flashing and separating zone maintained under lower pressure than the conversion zone, introducing crude oil containing natural gasoline into the separating zone and partially distilling the same therein, separating the commingled oils in the separating zone into vapors and a mixture of topped crude and cracked residual oil, subjecting said mixture in a second conversion zone to milder conversion conditions than are maintained in the first-mentioned conversion zone thereby forming additional vapors, combining the latter with the vapors formed in the separating zone and fractionating the commingled vapors to condense heavier fractions thereof, supplying resultant reflux condensate to the first-mentioned conversion zone as said hydrocarbon distillate, and finally condensing the fractionated vapors.

2,003,538
PIPE ELBOW
Daniel W. Hickey, St. Paul, Minn.
Application October 6, 1932, Serial No. 636,463
2 Claims. (Cl. 285—204)



1. A pipe elbow formed from malleable sheet metal comprising a straight, cylindrical, central portion and two similar end portions adjoining the opposite ends respectively of said central portion and having seamless connections therewith, said central portion being without seams and said end portions each having a longitudinal seam at its outer periphery.

2,003,539
UNIVERSAL JOINT
George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Detroit, Mich., a corporation of Ohio
Application November 27, 1933, Serial No. 699,817
9 Claims. (Cl. 287—93)



1. A universal joint comprising, in combination, a housing, circular disc members rotatable in said housing, concave inner surfaces on said disc members, seating members having outside convex surfaces for fitting in said disc members and having inside cylindrical surfaces and a stud member having a cylindrical surface rotatable in said seating members.

2,003,540
CONTAINER LID
Ellison S. Irelan, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application January 26, 1934, Serial No. 708,354
2 Claims. (Cl. 132—83)

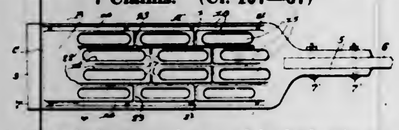


1. A container cover formed with marginal walls and a hinged connection between the con-

tainer and cover walls, a bezel fitted to the cover and retained in assembly therewith by engagement with the hinged connection and by a snap connection with the marginal walls of the cover at a point opposite the hinged connection, the cover and bezel being each formed with a relatively large central opening, a plaque fitted within the cover opening having means to remain in centered relation therewith, a mirror fitted within the bezel opening having means to remain in centered relation therewith, and compressible means interposed between the plaque and mirror exerting opposite thrusts when the bezel is in snap connection with the walls of the cover to retain each in a fixed position of assembly therewith.

2,003,541
BAKER'S PEEL

Frank A. Jawort, Spokane, Wash., assignor of one-half to J. A. Westland, Spokane, Wash.
Application October 16, 1934, Serial No. 748,494
7 Claims. (Cl. 107—67)



1. In a baker's peel, a peel body having a flat top and a front scooping edge and the bottom having runner end abutment pockets, and runner strips secured to the bottom of said body and the front ends of said strips being bent to project into and endwise engage said abutment pockets, whereby the bent portions of said runner ends will form wearing fulcrums on which the peel body may be tilted to cause said scooping edge to engage the deck of the oven.

2,003,542
GAS PRICE SIGN

Eugene E. Johnston, Buffalo, N. Y.
Application January 17, 1934, Serial No. 707,033
7 Claims (Cl. 40—64)

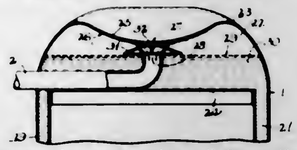


1. A sign structure comprising a supporting back, a front cover demountably carried by the supporting back and co-operating therewith to form a container, said back having an inverted trough-like upper portion and having an upwardly turned lower flange to form a recess, upright guide members formed along opposite edge portions of the back, rearwardly turned side flanges on the cover, a guide strip secured to each rearwardly turned flange, said guide strips and rearwardly turned flanges having spaced portions to form cover guides for receiving said upright guide members of the back, said guide strips being formed to provide opposed panel guides facing at angles to the cover guides, portions of the guide strips forming guides with the front portion of the cover to receive a transparent window section, and a unitary price tag supporting panel slidably mounted in the panel guides.

4. In a sign structure, a sheet of material having flanges stamped from the intermediate body portion thereof, the portion of the material from which the flanges are stamped defining window-like openings, said flanges facing the openings, each of said flanges being formed with bent portions providing a substantially horizontal support along one side of the adjacent opening, each flange having an outwardly turned guiding portion for guiding a card into position to be exposed through an opening, a card mounted upon the horizontal support of each flange and facing the adjacent window opening for exposure therethrough, each flange normally bearing yieldably against the respective card to hold the latter in place, said sheet of material having outer flanged edges providing an overall depth of structure greater than the thickness represented by the distance from the back of the flanges to the body of the sheet material.

2,003,543
MEANS FOR SEPARATING SOLUTION COMPONENTS AND PROCESS OF EFFECTING SEPARATION THEREOF

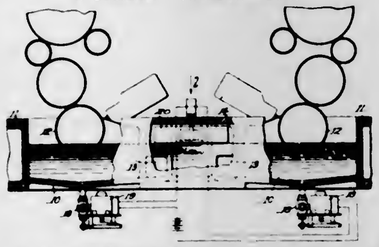
James D. Jordan, Elmhurst, Ill., assignor, by mesne assignments, to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application March 27, 1933, Serial No. 662,990
14 Claims. (Cl. 62—126)



1. A device for separating oil from the refrigerant of a refrigerating system having an evaporator, comprising a downwardly inclined wall portion in the upper part of the evaporator and above the normal level of the liquid therein, a duct leading from above said level and to the exterior of said evaporator, the inlet of the duct being beneath the lower part of said inclined wall portion for receiving oil that may drop therefrom.

2,003,544
INK FOUNTAIN REGULATOR

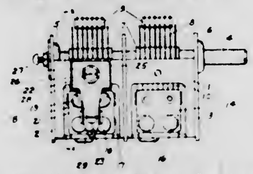
Hans C. Jordhoy, North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 30, 1932, Serial No. 620,124
2 Claims. (Cl. 101—364)



1. In an ink supply device for a printing press, the combination of an ink fountain and a chamber freely communicating with said fountain, a float located in said chamber, a lever having an arm to which the float is fixed pivoted at the side of said chamber, a mercury circuit closing device located on said lever, a valve for supplying the fountain with ink, an electromagnetic closing and opening device for said valve in a circuit including said mercury closing device, whereby said valve will be opened by energy independent of the float when the float descends materially below its normal level.

2,003,545
MEANS FOR APPLYING A TRIMMING CONDENSER TO A MAIN CONDENSER

Emil Dudley Koepping, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J.
Application May 7, 1931, Serial No. 535,592
7 Claims. (Cl. 175—41.5)



1. In an electrical condenser having a frame and relatively fixed and movable sets of elements carried thereby, one set being fastened to at least two insulators carried by the frame, a bracket permanently attached to at least one of the insulators by said one set fastening means, a trimmer condenser plate adapted to be mounted on said bracket, and means for adjusting the capacity position of said plate with respect to the frame.

2,003,546
RAIL CAR TRUCK

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1932, Serial No. 603,243
8 Claims. (Cl. 105—196)

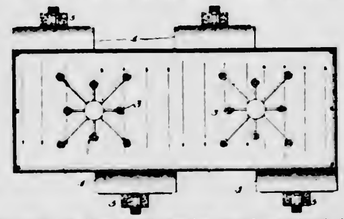


1. In a rail car truck, a side beam extending over all the axles and comprised of a main body web of sheet metal continuous from end to end and a marginal reinforce for said web of hollow box section form.

2,003,547
FORCED DRAFT MULTIPLE FAN COOLING TOWER

Leon T. Mart, Mission Township, Johnson County, Kans.
Application October 21, 1933, Serial No. 694,600
1 Claim. (Cl. 261—109)

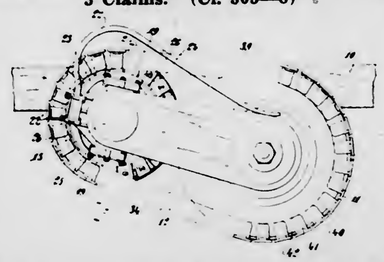
A forced draft cooling tower comprising a vertical casing having a discharge opening at its upper end, liquid distributing devices within and adjacent the upper end of said tower, a series of spaced fans along one side of the tower and discharging in parallel planes transversely across the tower against its opposite side wall, and a second series of spaced fans on the opposite side of the tower from said first-named series of fans, said second fans discharging in planes parallel to the



discharge of the first series and against the opposite side wall, the two series of fans being arranged so that no part of a fan blast will intercept the blast from an oppositely discharging fan.

2,003,548
INDEPENDENTLY MOUNTED TRACTION UNIT

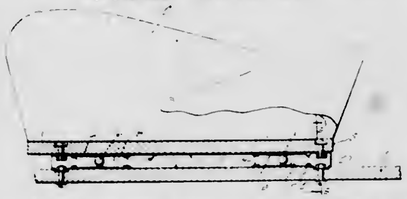
Alfred F. Masury, New York, N. Y., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application January 29, 1932, Serial No. 589,620
5 Claims. (Cl. 305—8)



5. In combination, a vehicle frame, a wheel mounting arm, means to journal one end of the arm on the frame, a wheel journaled at the other end of the arm, the arm and wheel being mounted as an independent wheel unit on the frame, an idler rim at the first end of the arm journaled concentric with the mounting of the arm upon the frame, means to hold the wheel in operative position, and an endless track mounted over the wheel and the idler rim.

2,003,549
SEAT ADJUSTER

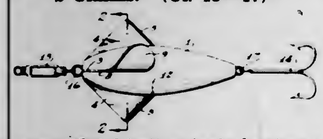
Swift Miller, Wauwatosa, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 1, 1932, Serial No. 631,335
6 Claims. (Cl. 155—14)



3. A vehicle seat mounting including interengaged track and slide members, said members being of similar construction and having a body portion of angular cross section with a straight

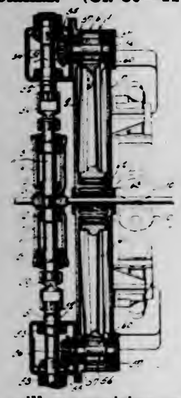
flange along one edge of the body portion and a reversely bent flange along the other edge thereof, the reversely bent flange of each member being slidably interfitted with the straight flange of the other, opposed spring strips positioned adjacent the inner faces of the tops and bottoms of said members, lugs struck from said members and engaging said strips, at least one of said strips being bowed toward the other intermediate its ends, and ball bearings engaged with said strips.

2,003,550
FISH BAIT
Peter Muller, Detroit, Mich.
Application April 28, 1934, Serial No. 722,873
2 Claims. (Cl. 43—47)



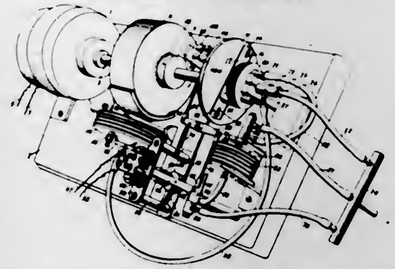
1. In an artificial bait, a body having an axial bore extending from end to end thereof and intersecting diametric slots entering the forward end thereof, intersecting metal members tightly received in said slots and having portions bent to form blades, said metal members being frictionally retained in said slots, a wire member loosely extending through said bore and formed with loops at opposite ends of the body, the free ends of said wire re-entering said bore and extending throughout a substantial portion of the length thereof whereby said ends overlap, a swivel attached to one of said loops, and hooks attached to the other of said loops.

2,003,551
TUBE ROLLING MILL
Karl A. Nygren and Johannes A. Zschiesche, Milwaukee, Wis., assignors to Globe Steel Tubes Co., Milwaukee, Wis., a corporation of Delaware
Application April 10, 1933, Serial No. 665,358
4 Claims. (Cl. 80—11)



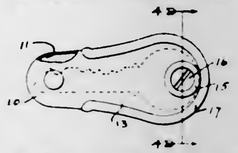
1. A rolling mill comprising a single main housing having gear boxes extending laterally therefrom adjacent its periphery, a passage-way extending centrally through said housing for accommodation of material to be rolled, drive shafts carried by the gear boxes and extending toward the longitudinal axis of said passage-way and radially thereof, gearing within said housing and gear boxes for driving said shafts, a plurality of radial disposed rolls adapted for conjoint rolling action on material passing through said passage-way, means slidably interconnecting said rolls and the outside of said housing, said means rotatably supporting said rolls and providing for individual transverse and axial adjustment thereof while maintaining said rolls with their rotational axis lying in a common plane and flexible driving connections between said rolls and said driving shafts, said means, rolls and flexible driving connections being positioned within the confines defined by the face of the housing and the common plane of the outer faces of said gear boxes.

2,003,552
AIR CONTROLLED SPEED REGULATOR
Richard Howland Ranger, Newark, N. J., and Verne T. Braman and Carl Eric Nelson, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application May 2, 1927, Serial No. 188,377
36 Claims. (Cl. 188—180)



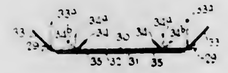
2. A speed responsive device including a governor and a mechanically driven air system for modifying the action of said governor at periods when the speed of the prime mover is less than the normal speed.

2,003,553
KEY HOLDER
Ralph C. Root, Indianapolis, Ind.
Application April 18, 1934, Serial No. 721,097
8 Claims. (Cl. 150—40)



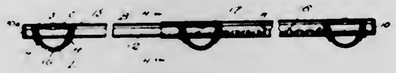
1. A key holder comprising a body having a pocket, a wall extending from each of opposite sides of the pocket, and a transversely disposed member carried by the walls adapted to pass through eyes of keys placed between the walls, said member being spaced in relation to said pocket to have the other ends of the keys disposed within the pocket whereby the keys are retained against rocking about the member, and said walls having at least a portion thereof sufficiently elastic to permit elongation thereof so that the keys may be released from said pocket by pulling said member away from said pocket and said pocket being enclosed on all sides requiring end movement of the keys and the transverse member passing through the eyes of the keys for release of the keys from the pocket.

2,003,554
PAPER FASTENER
Oscar A. Ross, New York, N. Y.
Application July 13, 1933, Serial No. 680,165
20 Claims. (Cl. 24—153)



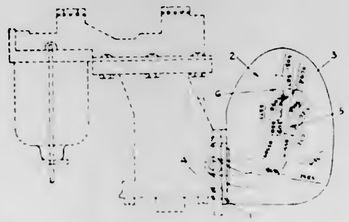
1. In a paper fastener, a clamping member having fingers arranged to pass through perforated sheets of paper for the binding thereof, a keeper including a keeper plate having end portions connected by spaced rail portions forming a frame including a central opening therethrough having a width wider than the width of the fingers, perforations in the end portions for receiving the fingers of the clamping member therethrough, the fingers being bent down into the central opening of the keeper plate for binding the sheets, and locks slidable upon the rail portions arranged to be slid over the downwardly bent fingers for the locking thereof.

2,003,555
OVEN PROTECTOR
Emmett A. Rowe, Oakland, Calif.
Application October 23, 1933, Serial No. 694,827
5 Claims. (Cl. 65—61)



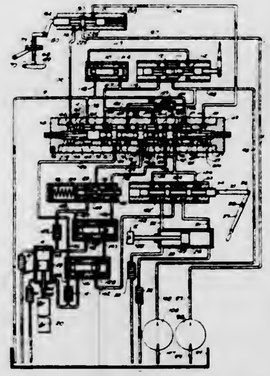
1. A protector of the character described comprising two members, one of which is provided with tubular edge guides and the other with complemental edge rails telescoping said guides, transversely disposed elongated leg-attaching elements depending from said members, and legs of approximate U-shape in cross section retained in position by said leg-attaching elements.

2,003,556
GAUGE FOR FUEL PUMP ROCKER ARMS
Erwin Saballus, Chicago, Ill., assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois
Application October 2, 1933, Serial No. 691,782
2 Claims. (Cl. 33—180)



1. A gauge for indicating the location of a rocker arm for an automobile fuel pump comprising a base member having an aperture through which the rocker arm may pass, spaced lugs integral with the base member for positioning said member with respect to a fuel pump flange, and a vertically disposed member on the opposite side of said base member provided with a graduation whereby the position of the rocker arm may be noted.

2,003,557
HYDRAULICALLY CONTROLLED AUTOMATIC DIE SINKING MACHINE
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application August 17, 1932, Serial No. 629,197
35 Claims. (Cl. 90—13.5)

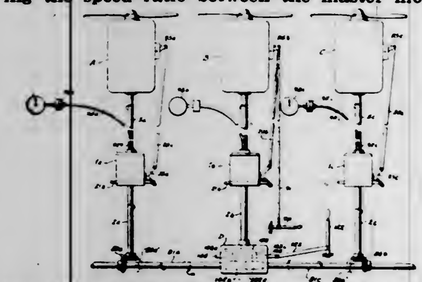


16. In a mechanism of the class described the combination with a tracer, a pattern and a tool adapted to have certain movements imparted thereto, of hydraulic motors for effecting said movements at desired rates, an hydraulic medium for actuating said motors, a distributor valve for determining the distribution of the flow of the hydraulic medium to said motors, a primary valve for directing the medium to the distributor valve for effecting its relative positions, means including the tracer for shifting said primary valve in accordance with the variations in the pattern to thereby shift and position the distributor valve, and means between the distributor valve and primary valve whereby any movement or adjustment of the primary valve simultaneously moves and adjusts the position of the distributor valve so that for any given position of the primary valve the distributor valve takes up a definite position, said means comprising fluid resistances associated with the primary valve and secondary valve in serial relation to one another, the ratio of the resistances of the primary valve being equal to the ratio of the resistances of the secondary valve so that any variation in pressure controlling the movement of the distributor valve will immediately effect a re-adjustment thereof to its proper position.

2,003,558
METHOD AND MECHANISM FOR GOVERNING ROTATING BODIES
Grayson Schmidt, Fort Monroe, Va., assignor of one-half to Harry F. Townsend, Fort Mills, P. I.
Application June 5, 1930, Serial No. 459,408
Renewed August 30, 1934
12 Claims. (Cl. 60—97)

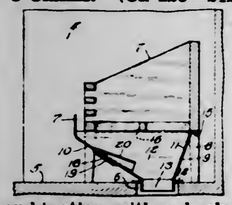
1. A mechanism for synchronous motor control including in combination a master motor, a governed motor, means for maintaining the governed motor rotating at the same or a multiple of the

speed of the master motor, and means for varying the speed ratio between the master motor



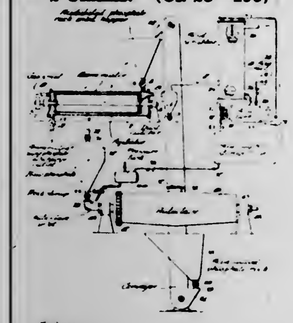
and governed motor while maintaining the governing action between them.

2,003,559
ASH HOPPER FOR FIREPLACES
Eric A. Scott, Indianapolis, Ind.
Application March 12, 1932, Serial No. 598,393
5 Claims. (Cl. 126—242)



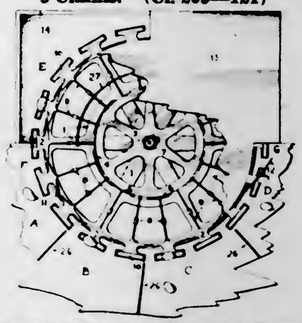
1. The combination with a basket grate, of a hopper having a flange around the back and ends thereof engaging with the lower edge of the back and ends of the grate and having converging side, back and front portions connected with a discharge pipe, the front portion having an upwardly projecting flange spaced from the front of the grate.

2,003,560
TREATMENT OF FUEL GAS TO REMOVE AMMONIA
Mark Shoeld, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application May 3, 1932, Serial No. 608,976
2 Claims. (Cl. 23—196)



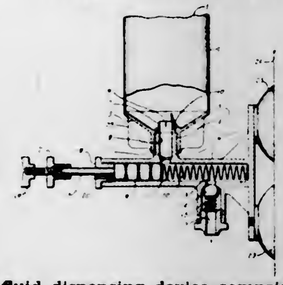
1. A process of purifying fuel gas of ammonia, which comprises: scrubbing the gas, after it has been pre-treated with partly ammoniated acidulated phosphate rock to partially remove the ammonia from the gas, with a solution of an excess of acid to remove last traces of ammonia from the gas and form an acid ammonium compound solution; acidulating phosphate rock with the acid ammonium compound solution formed thereby forming partly ammoniated solid acidulated phosphate rock; and effecting the pre-treatment of the fuel gas to partially remove the ammonia of the gas by direct contact thereof with the partly ammoniated solid acidulated phosphate rock so formed, thereby completing the purification of the gas of its ammonia with the production of a single end product of solid ammoniated calcium phosphate containing all of the ammonia removed from the gas.

2,003,561
EGG GRADING MACHINE
Oscar A. Studley and Kennon R. Gilbert, Sonoma, Calif.
Application May 6, 1932, Serial No. 609,686
9 Claims. (Cl. 209—121)



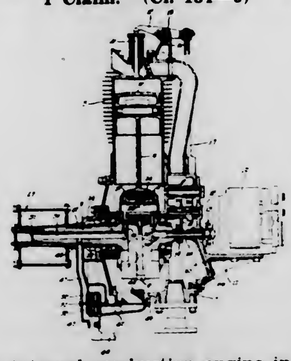
1. In a centrally pivoted egg grading machine the combination of an egg carrying element balanced to rest in a horizontal plane with an egg thereon whereby tilting of said element will result in a shifting of the leverage and its resultant forces and the discharge of the egg, said element having a frame to support an egg with its longest axis parallel to the pivotal axis of the element, and means for tilting said element from its balanced horizontal position into a plurality of selected angular positions whereby the egg will overbalance the element at a selected angular position corresponding to the weight of the egg.

2,003,562
FLUID DISPENSING DEVICE
Charles H. Stuart, Newark, N. Y.
Application January 7, 1933, Serial No. 650,651
17 Claims. (Cl. 221—103)



1. A fluid dispensing device comprising a collapsible container, a fixed support for the same and means for evacuating said container comprising a barrel communicating through a port with the interior of said container, a piston moving in said barrel to close said port, a spring in said barrel normally forcing said piston outward to the limit of its travel to uncover and open said port, a bushing in the end of said barrel limiting the travel of said piston, a stem passing through and guided by said bushing to operate said piston, a vent in said bushing and a discharge port from said barrel normally closed by a check valve.

2,003,563
INTERNAL COMBUSTION ENGINE
Otto E. Szekely, Holland, Mich.
Application February 14, 1931, Serial No. 515,682
1 Claim. (Cl. 184—6)

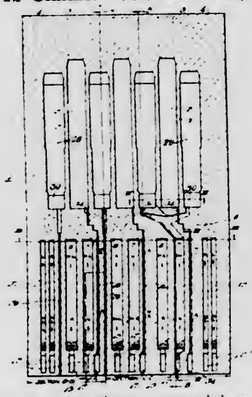


In an internal combustion engine including a crank shaft having a lubricant passage therein, a crank case having an opening in the lower wall thereof and operating parts having lubricant distributing passages therein communicating with the lubricant distributing passage in the crank shaft to receive lubricant therefrom, a housing mounted at one end of the crank case and including a casting secured to the bottom of the crank case and having an opening therein aligned with the opening in the bottom of the crank case, said casting having a pump chamber therein and a passage leading from the opening to said pump chamber, a gear pump in said pump chamber, said housing including a second casting having a pump chamber therein, said housing also including a partition separating said pump chambers, a gear pump in the pump chamber in the second casting, said second casting including a part providing an outlet passage leading from the pump chamber in said casting to a port disposed at the periphery of said crank shaft, means providing a groove about the periphery of the crank shaft and aligned with said port, said crank shaft having an opening therein extending between said groove and the lubricant distributing passage therein, said second named casting also including a part providing a shaft bearing, a shaft journaled in said shaft bearing and having a movement receiving gear thereon, a gear of each of said gear pumps being mounted on said shaft, and a gear on said crank shaft and meshed with said movement receiving gear whereby rotation of said crank shaft is transmitted through said shaft to said gear pumps, said gear pumps being connected in serial relation and in the operation thereof withdrawing lubricant from said crank case and forcing the lubricant through said outlet passage and said groove, opening, and lubricant distributing passage in said crank shaft for distribution through the lubricant distributing passages in said operating parts.

2,003,564
GRAPHITE LUBRICANT
William Cowling Thorpe, Toronto, Ontario, Canada, assignor to Robert Elroy Wark, Toronto, Canada, as trustee
No Drawing. Application June 2, 1932, Serial No. 615,037
3 Claims. (Cl. 87—9)

1. A liquid lubricant comprising in combination the following ingredients in substantially the following proportionate parts by weight: an emulsion of 20 parts degras from which the fatty acids have been removed, 16 parts kerosene, 75 parts water, 8.7 parts turpentine, and 4.4 parts aqueous solution of ammonia, with 30 parts graphite in suspension in said emulsion.

2,003,565
COKING RETORT OVEN
Joseph van Ackeren, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application March 10, 1931, Serial No. 521,406
12 Claims. (Cl. 202—143)

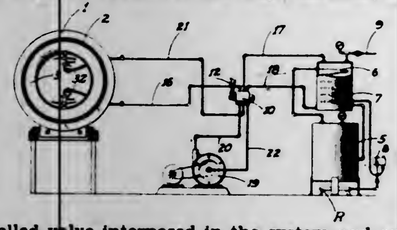


1. Coke-oven structure comprising a series of combustion heating flues therefor and regenerators communicating therewith, said regenerators being arranged side-by-side in a horizontal row and in side-by-side groups adapted to operate for inflow of combustion media and concurrent outflow of waste gas in alternation with each other, each group comprising two regenerators side-by-side communicably connected to the same flue for simultaneous delivery of a gas to the same flame flue and a passageway on one side of the group and substantially co-extensive with the regenerator contiguous thereto in the group in length and in height and communicating in series with the other regenerator of the group in the order, passageway, regenerator, combustion flue, the passageways of each of said groups being interposed between adjacent regenerators of contiguous groups of regenerators.

2,003,566
CIRCULATING SYSTEM FOR RETREADING MOLD PRESSURE BAGS
Herbert J. Woock, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation
Application April 21, 1931, Serial No. 531,729
5 Claims. (Cl. 18—18)

1. An apparatus for vulcanizing rubber on a tire casing comprising a system to circulate liquid

through the casing, such system including a liquid supply tank, means to admit a gas under pressure into the tank, means affording communication between opposite ends of the tank and diametrically opposed inlets into the casing, a circulating instrumentality interposed at a point in the system, and a single manually con-



trolled valve interposed in the system and operable to selectively permit the circulation of liquid from the tank through the casing in a continuing cycle, the interruption of such cycle and the return of the liquid to the tank, and the replacement for the liquid in the casing of gas under pressure.

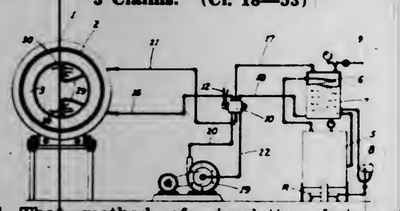
2,003,567

METHOD OF CIRCULATING HOT WATER THROUGH THE PRESSURE BAGS OF TIRE RETREADING MOLDS

Herbert J. Woock, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation of Nevada

Original application April 21, 1931, Serial No. 531,729. Divided and this application December 11, 1934, Serial No. 756,947

3 Claims. (Cl. 18—53)



1. That method of circulating hot water through a pressure bag comprising the steps of establishing a source of hot water, maintaining a gas pressure on the water to keep it liquid, circulating the water through the bag while maintaining the gas pressure, continuing such circulation for a desired length of time, discontinuing the circulation of the water through the bag, and returning the water to its source while still maintaining it under such gas pressure.

2,003,568

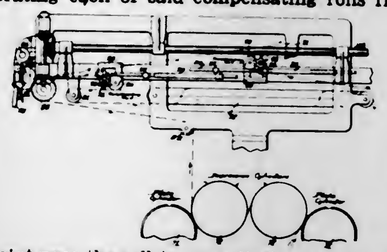
FOLDER

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original application April 28, 1927, Serial No. 187,375. Divided and this application July 15, 1931, Serial No. 550,837

2 Claims. (Cl. 270—18)

1. In a printing press, the combination with a pair of web perfecting couples, of a roll over which the web therefrom is directed, a slitter adapted to slit the web in cooperation with said roll, means for turning one of the half width webs into a position in vertical alignment with the other, compensating rolls, each located in a loop in one of said webs and adjustable transversely to its axis to register the web, means for operating each of said compensating rolls from



a point near the roll to move it along, and means in stationary position near the folder for moving each of the compensating rolls.

2,003,569

TENSION CONTROLLING MEANS

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application December 8, 1931, Serial No. 579,760

Renewed March 12, 1934

4 Claims. (Cl. 242—75)



1. In a device for controlling the operation of a tension belt, the combination of a pulley around which the belt passes, a brake shoe adapted to engage the belt passing around the pulley, and means for holding the brake shoe against the belt on the pulley.

2,003,570

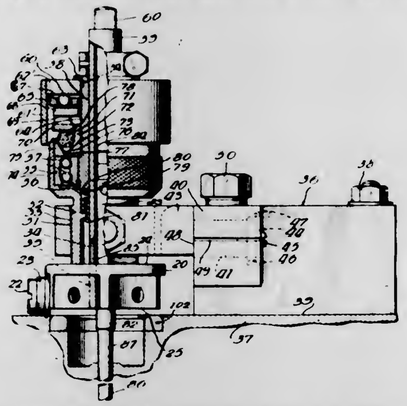
METHOD OF MAKING VALVE SEAT TOOLS

Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

Original application March 5, 1932, Serial No. 597,082. Divided and this application July 29, 1932, Serial No. 625,864

1 Claim. (Cl. 90—11)

In the manufacture of a rotatable body adapted to hold a tool at any one of six different distances from the center of rotation of such body by means of plane surfaces at such different distances, the method of forming such a body comprising forming a blank having means for securing the blank for rotation about its true center, supporting the blank upon an eccentric axis, said axis being parallel to and at a predetermined distance from the true center of the blank, forming a pair of opposed surfaces on the periphery of said blank by means of a pair of opposed cutting tools fixed at predetermined different radii from the true center of the blank and at right angles to a line joining the true center and eccentric axis, rotating the blank through an angle of 60° on the eccentric axis, forming a second pair of opposed plane surfaces on the periphery of the blank without altering the distance between the eccentric axis and the cutting tools whereby said second pair of surfaces will each be at a distance from said true center varying



by one-half the eccentricity from the distance of said first pair of surfaces from the true center, again further rotating the blank through an angle of 60° on the eccentric axis and forming a third pair of opposed plane surfaces on the periphery of the blank without altering the distance between the eccentric axis and the cutting tools, whereby said third pair of surfaces will each be at a distance from said true center varying by one and one-half times the eccentricity from the distance of said first pair of surfaces from the true center.

2,003,571

CYLINDER HEAD FOR INTERNAL COMBUSTION ENGINES

David E. Anderson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

Application August 15, 1932, Serial No. 628,919

3 Claims. (Cl. 123—173)



1. An internal combustion engine cylinder head formed with a combustion chamber therein and having a wall spaced above the top wall of the combustion chamber to form with said top wall a space for a cooling medium, said combustion chamber having a portion for receiving a charge of fuel and having another portion of relatively large surface to volume ratio adapted to register with a cylinder of an engine, and cooperating registering projections extending into the space aforesaid from the top wall of the second named portion of the combustion chamber and the above mentioned wall of the head to prevent the flow of the cooling medium in said space over a portion of the top wall of the second named portion of the combustion chamber.

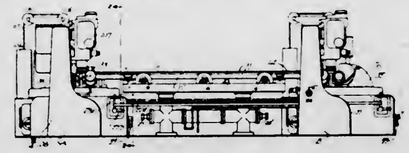
2,003,572

MILLING MACHINE

Walter D. Archea and Millard Romaine, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application October 21, 1930, Serial No. 490,248

57 Claims. (Cl. 90—15)



1. A metal working machine having a plurality of units, each unit comprising a work support, a plurality of translatable spindle carriers, a common rate and direction determinator for said carriers, and a plurality of controls for said determinator, there being one for each carrier, and means to selectively couple any carrier and its control with said determinator.

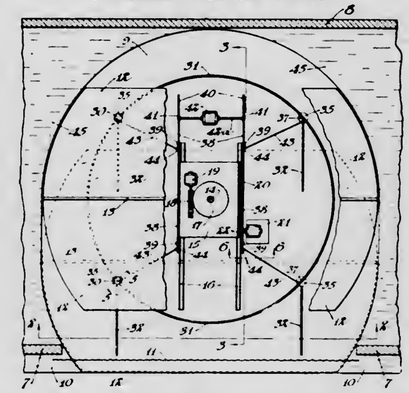
2,003,573

DOUBLE SET STAGE

William C. Barnard, Good Tbunder, Minn.

Application May 4, 1934, Serial No. 723,921

6 Claims. (Cl. 20—1.123)



1. A movable theater stage comprising a platform, wheeled supporting means for said platform, guides for said supporting means, said guides being arranged to guide the wheels of said supporting means rectilinearly for forward and rearward movement of said platform and in a circular path for rotary movement of said platform in a horizontal plane when said platform is in its rearward position, means for moving said platform forwardly and rearwardly and means for rotating said platform when the same is in its rearward position.

2,003,574

COKING RETORT OVEN

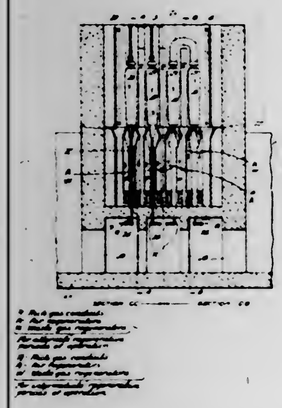
Joseph Becker, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware

Application January 26, 1931, Serial No. 511,143

2 Claims. (Cl. 202—142)

1. In a coking retort oven battery, a series of alternate horizontal coking chambers and heating

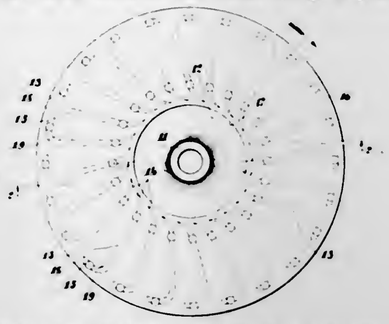
walls therefor arranged side-by-side in a row, each of said heating walls comprising a series of vertical flame flues; cross-over flues communicably connecting the flame flues of each of said heating walls in series with the flame flues of an adjacent heating wall so as to connect alternate and intermediate heating walls into independently regulable heating flue systems; a supporting wall beneath each of said oven chambers and heating walls; and combustion media supplying means for said flame flues comprising regenerators side-by-side between the supporting walls and rich gas ducts extending vertically through certain supporting walls between the regenerators, the regenerators and rich gas ducts being operatively disposed in two sets operable in alternation with each other for concurrent inflow to the flame flues of one heating wall and outflow from the flame flues of the other heating wall of the respective heating flue systems, each of the



flame flues being communicably connected with two regenerators that are contiguous to each other along the battery and adapted to preheat air and fuel gas separately and simultaneously, respectively, and each rich gas duct communicating with a flame flue and being located between two regenerators that are contiguous to each other along the battery and that communicate with the same flame flue with which the rich gas duct communicates, and the supplying means for the battery including the two sets of regenerators and rich gas ducts for the battery being so arranged and connected with the flame flues of the several heating flue systems as to provide combustion immediately adjacent to both sides of the middle oven chamber within each group of three oven chambers which alternate with four consecutive heating walls on one regenerative period and waste gas flow on both sides of said middle oven chamber on a next succeeding regenerative reversal period.
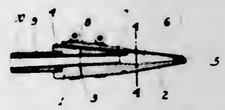
2,003,575
SPRAY WHEEL
William Spencer Bowen, Westfield, N. J.
Application November 7, 1933, Serial No. 697,086
7 Claims. (Cl. 299—63)

1. A spray wheel formed with a plurality of vanes extending outwardly and leading backwardly with respect to the direction of rotation of the wheel, said wheel being adapted to receive a fluid adjacent the center thereof, and portions on the outer ends of the vanes lying in planes



substantially parallel to tangents to the periphery of the wheel at the ends of the vanes.

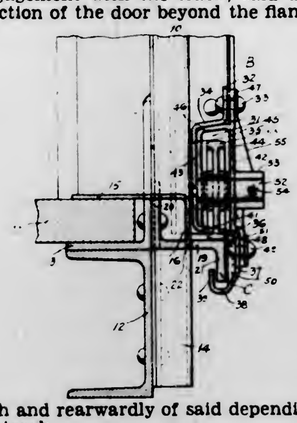
2,003,576
OBOE MOUTHPIECE
Alfred O. Buhren, Sacramento, Calif.
Application March 3, 1931, Serial No. 519,736
2 Claims. (Cl. 84—383)



1. A mouth piece for wind instruments of the oboe type comprising a lead-off conduit adapted to removably fit into the body of the instrument, a body projecting from one end of the conduit, a chamber formed in the body ahead of and communicating with the conduit, said chamber at its junction with the conduit being of substantially the same cross sectional area as the conduit, the top and bottom of the chamber converging toward each other to the outer end of the chamber from such junction point and the side walls of the chamber diverging from such junction point to the outer end of the chamber; the bottom wall of the chamber at its outer end being substantially flat and being disposed in a plane substantially in longitudinal alinement with the bottom of the conduit, and a single reed forming the top wall of the chamber and mounted on the body rearwardly of the chamber.

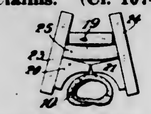
2,003,577
CAR DOOR
Argyle Campbell, Chicago, and George B. Willard, Western Springs, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 9, 1933, Serial No. 675,078
7 Claims. (Cl. 189—46)

1. The combination with a car body having a door opening and a sliding door for said opening; of a track located at the lower margin of said opening, said track presenting a substantially horizontal runway and a depending flange; said door at its lower edge being formed with an angularly bent plate portion presenting horizontal and vertical wall sections lying above the runway and outwardly of the depending wall of the track respectively; said horizontal wall section of the door having openings therein; anti-friction door supporting means disposed outwardly of the plate and extending through the openings for supporting engagement with the track; said depending wall section of the door beyond the flange, being



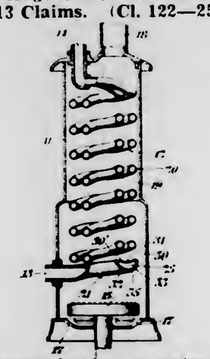
beneath and rearwardly of said depending flange of the track.

2,003,578
PASTRY CAKE AND METHOD AND MOLD FOR MAKING THE SAME
Victor A. Clement, Bayside, N. Y.
Application August 9, 1933, Serial No. 684,433
5 Claims. (Cl. 107—1)



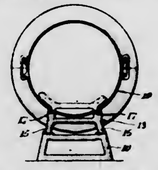
4. A mold for making pastry articles comprising two members disposed in edge abutting relation and each having complementary pastry forming surfaces, and means engaging the members outwardly of their abutting edge to mount the members for swinging movement relative to each other, the inner edges of the members constituting an ejecting means when the members are rocked relative to each other.

2,003,579
HEATER
John H. Conant, Holyoke, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a corporation of Massachusetts
Application August 15, 1932, Serial No. 628,850
13 Claims. (Cl. 122—250)



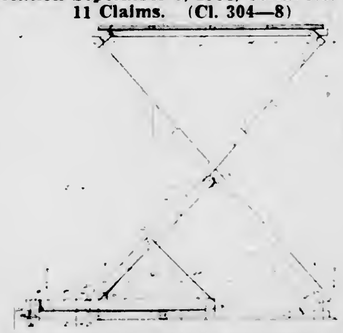
1. In a water heater, a water coil of thin-walled tubing, an annular member of relatively thick walls to which said tubing is connected positioned beneath said coil with its opening in alinement with the opening through said coil, a burner positioned so that the flame therefrom strikes directly on said member, and means associated with said member for preventing the flame from striking the connection between said tubing and said member.

2,003,580
UNDERGROUND CONDUIT CONSTRUCTION
Magruder Craighead, Greenburgh, N. Y.
Application March 30, 1933, Serial No. 663,569
4 Claims. (Cl. 137—75)



2. In a conduit construction, a series of underdrain sections, a series of support members separable from and resting on said underdrain sections, a conduit comprising top sections, and a series of approximately semi-circular lower sections carried by said support members and so connected with said support members that said conduit sections are located in predetermined angular relation to said underdrain sections, a series of roll frames fitting within said conduit sections, and means whereby said roll frames are held in predetermined angular relation relative to said conduit sections and thereby are held in predetermined angular relation relative to said underdrain sections.

2,003,581
ADJUSTABLE SCAFFOLD
Charles Daly, Jr., St. Louis, Mo.
Application September 6, 1934, Serial No. 742,884
11 Claims. (Cl. 304—8)



1. An adjustable scaffold comprising a base frame, a pair of crossed frames having their lower ends pivoted to said base frame, an extension frame supported by each of said pair of frames, a shaft rotatively supported by said base frame, and mechanism operative by said shaft to raise and to lower said pair of frames when said shaft is rotated.

2,003,582
COUPLER
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 19, 1931, Serial No. 516,890
13 Claims. (Cl. 213—38)

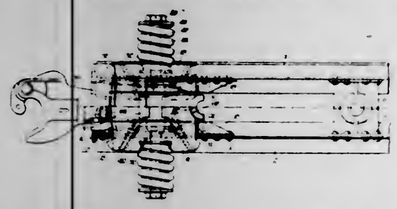
7. In a draft rigging, the combination of slotted draft sills, a striking casting comprising a strik-

ing plate and coupler carrier spaced below said plate, a one-piece coupler member comprising a yoke portion of less height than the distance between said plate and carrier whereby said member is insertable through the space between said plate and carrier, and a draft gear including ele-



ments insertable into position through said slots from the side of said sills, certain of said elements being embraced by said yoke portion, said elements serving as a key for attaching said coupler member to said sills and supporting said yoke portion.

2,003,583
DRAFT GEAR
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 4, 1932, Serial No. 590,811
8 Claims. (Cl. 213—38)

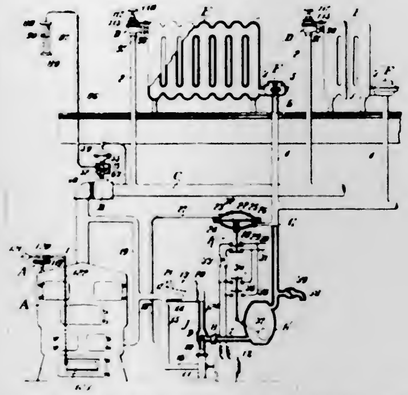


1. In a draft rigging, the combination of slotted draft sills, a draft gear extending between said sills and through said slots, said draft gear comprising two longitudinal friction wedges centrally spaced between said sills and projecting through and beyond said slots, a pair of transverse friction wedges engaging said longitudinal wedges and extending through and beyond said slots, each of said longitudinal friction wedges having means adapted to cooperate with said sills to prevent lateral displacement of said gear in either of two directions in said slots.

2,003,584
DESULPHURIZATION AND OXIDATION OF HYDROCARBONS
Wilhelm Dietrich and Max Harder, Oppau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 28, 1931, Serial No. 519,253. In Germany March 27, 1930
3 Claims. (Cl. 260—116)

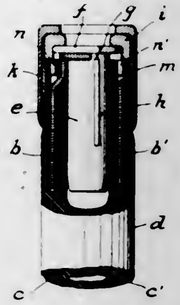
1. In the production of organic products containing oxygen from aliphatic hydrocarbon oils containing unsaturated compounds, the steps which comprise desulphurizing the said materials while precluding the removal of said unsaturated compounds and then subjecting the desulphurized materials to incomplete non-destructive oxidation in the liquid phase.

2,003,585
METHOD AND APPARATUS FOR HEATING WITH STEAM
Clayton A. Dunham, Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Original application October 18, 1923, Serial No. 669,363. Divided and this application May 14, 1934, Serial No. 725,476
24 Claims. (Cl. 237—12)



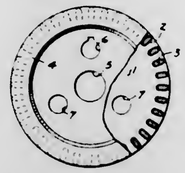
1. The method of heating with steam which comprises supplying steam under pressure to a distributing main, introducing a restricted flow of steam from the main into a condensing and heat radiating space so as to maintain a pressure in the space lower by a predetermined amount than the pressure in the main, and withdrawing condensate and non-condensable gases from said space without permitting the escape of steam.

2,003,586
MILKING MACHINE CONNECTER AND PNEUMATIC AND ELECTRIC CONDUCTOR THEREFOR
Sven Johan Erling, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application November 22, 1932, Serial No. 643,838
In Sweden December 28, 1931
9 Claims. (Cl. 173—326)



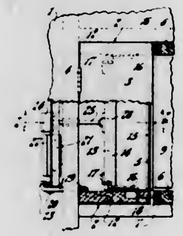
1. A pneumatic-electric connecter for milking machines comprising a tube of elastic material provided in its wall with a longitudinally extending channel, and an electric conductor extending therethrough, said conductor comprising a closely wound helix of wire.

2,003,587
ROTOR FOR ELECTRIC MOTORS
Everett G. Fahlman, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio
Application July 7, 1932, Serial No. 621,186
1 Claim. (Cl. 172—120)



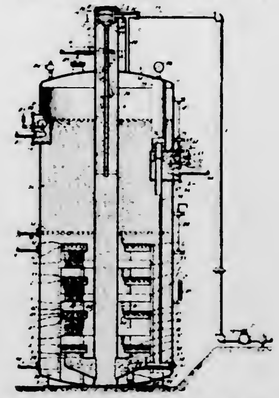
A rotor comprising a laminated core formed of ferrous material having a plurality of circumferentially arranged conductor bar passages extending through said laminations, an integral casting selected from a group comprising cast aluminum and a cast aluminum alloy disposed in and substantially filling said passages and a relatively thin coating of chain clay adherently secured to the walls of said passages with silicate of soda.

2,003,588
PROTECTIVE DEVICE FOR ELEVATORS AND ELEVATOR SHAFTWAYS
Louis A. Gaudry, Greenfield, Mass.
Application May 16, 1934, Serial No. 725,935
5 Claims. (Cl. 187—98)



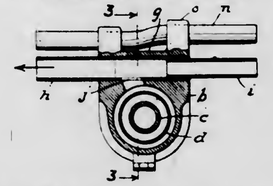
1. An elevator safety device having in combination with an elevator shaft and frame, a movable car therein, and floor landing, the floor landing having a movable section adjacent the elevator shaft, a socket member in said frame, a rod on the movable section normally engaged in said socket member for retaining the said section against movement, means on the movable section for withdrawing said retaining rod from said socket member when engaged by an object on the movable car which projects beyond the edge of the car platform when the car is in motion, said means comprising a bar pivotally secured on said movable section, a plate on said bar, a shoe secured on said bar and located close to the elevator shaft, said retaining rod being pivotally secured on said plate, a counterweight for holding said retaining rod in its platform-locking position, a slidable member between the plate and the counterweight for moving the counterweight when the shoe is moved, the counterweight serving to tilt the movable section upwardly after the retaining rod is released by engagement of an object on the car platform with the shoe.

2,003,589
APPARATUS FOR TREATING LIQUIDS
Joseph C. Gordon, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla., a corporation of Delaware
Application July 15, 1933, Serial No. 680,522
6 Claims. (Cl. 210—48)



1. In an apparatus for separating liquids in a closely associated state including a tank containing a body of treating liquid, means for delivering the associated liquids to the treating liquid for gravitational flow therethrough, and a superimposed series of inverted and elongated pan members supported in the tank, each including a top plate having depending sides to form downwardly opening channels in the path of the gravitational flow to detain and confine a definite body of the liquids for movement longitudinally through the respective channels in one direction and having a series of outlets in the lower edges of one of the sides near the ends of said channels to allow flow of the liquids from a lower channel to a superimposed upper channel and along said upper channel for escape through said outlets in the side of the pan member forming said upper channel.

2,003,590
MILKING MACHINE CHECK VALVE CHAMBER
Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application March 2, 1933, Serial No. 659,298
4 Claims. (Cl. 31—62)

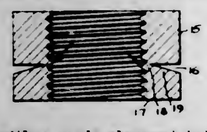


1. In a milking machine, the combination with the milk pail, a tube communicating with the interior of the pail and extending above the top thereof, a casing over the milk pail top and enclosing and spaced from the tube and forming a valve chamber, and a check valve resting on the top of the tube and having a skirt depending therefrom spaced both from the tube and the wall of the casing, of means providing a vacuum

passage extending alongside said valve chamber, there being through the wall of the casing an opening through which said passage communicates with the valve chamber, said passage being contracted adjacent said opening to produce an ejector effect substantially as described.

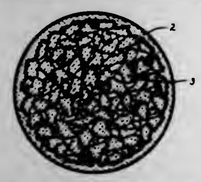
3. In a milking machine, the combination with the milk pail, a tube communicating with the interior of the pail and extending above the top thereof, a casing over the milk pail top and enclosing and spaced from the tube and forming a valve chamber, and a check valve resting on the top of the tube and having a skirt depending therefrom spaced both from the tube and the wall of the casing, of means providing a continuous vacuum passage extending uninterruptedly alongside the casing, there being a port opening laterally from said passage to said valve chamber and establishing communication between the side wall of the vacuum passage and the interior of the casing at a level below the top of the tube.

2,003,591
SELF LOCKING NUT
Howard A. Hayden, Detroit, Mich.
Application June 8, 1934, Serial No. 729,598
2 Claims. (Cl. 151—21)



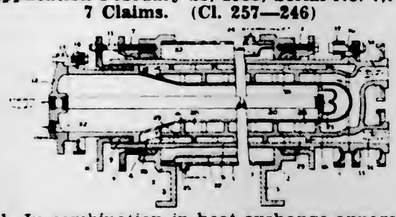
1. For use with a male element initially having a substantially uniform exterior thread in order to form a locked thread assembly, a hollow female element initially having a substantially uniform interior thread designed for cooperation with the thread of the male element, the female element having a buttressed exterior peripheral groove, the relative proportions of the parts of the female element being such that the threads thereof near the base of the groove are automatically deformed inwardly, towards the axes of the threads by and in response to the action of threading the female element on the male element to lock the threads relatively, without causing relative movement of the parts of the female element on opposite sides of the groove in any but an axial direction.

2,003,592
GLAZE FOR NONMETALLIC RESISTORS
Ernst Hediger, Niagara Falls, N. Y., assignor to Globar Corporation, Niagara Falls, N. Y., a corporation of New York
Application January 3, 1933, Serial No. 649,968
4 Claims. (Cl. 201—76)



2. A silicon carbide heating element having a body portion substantially devoid of materials other than silicon carbide, the major portion of said silicon carbide being relatively coarse, and having a surface coating of more finely divided silicon carbide which is bonded with a vitrifiable bonding agent.

2,003,593
HEAT EXCHANGER
Oystein Jacobsen, Dayton, Ohio, assignor to The Duriron Company, Inc., a corporation of New York
Application February 23, 1935, Serial No. 7,744
7 Claims. (Cl. 257—246)



1. In combination in heat exchange apparatus a pair of spaced concentric tubes, means for heating such tubes, a division tube between the concentric tubes dividing the space therebetween into two passageways which communicate with each other at one end, the other end of one passageway having an inlet for the fluid to be heated while the other end of the other passageway has an outlet for said fluid, and a series of spaced circumferential ribs on the inner and outer faces of said division tube bridging the passageways, each of which extends around only a part of the circumference of the tube so that a passage is provided between the ends of each rib with each of said passages offset circumferentially with respect to the passage between the ends of the rib next adjacent on each side thereof.

2,003,594
BOTTLE ATTACHMENT
Gunnar R. Johnson, Milton, Mass.
Application February 16, 1934, Serial No. 711,509
3 Claims. (Cl. 40—4)



1. In combination with a bottle having an annular bead formed around its mouth, and a cap for the top of the bottle having a rim extending over and tightly engaging said bead, a resilient hook shaped clip having a shank positioned against the bottle and an upper end extending laterally substantially at a right angle to the shank of the clip and bearing upon the top of said cap, a lip formed upon said shank and engaging the edge of the rim of said cap, said cap being gripped between said upper end of the clip and said lip, and the said shank of the clip being thereby yieldingly held in contact with the bottle to hold a card thereagainst.

2,003,595
HEADED PIN
Walter L. Kauffman, 2d, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application September 15, 1932, Serial No. 633,316
1 Claim. (Cl. 85—9)

A headed pin comprising a pin; a base plate secured to the pin; and a sheet metal cap having a peripheral flange telescoping the periphery of the base plate, the edge of the cap flange

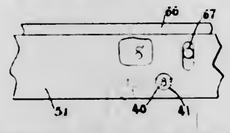


extending under the base plate, the cap flange being corrugated on its outer periphery, the corrugations extending under the base plate.

2,003,596
PRODUCING AZANTHRACENE DERIVATIVES
Karl Koeberle and Ernst Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1934, Serial No. 736,777. In Germany August 5, 1933
11 Claims. (Cl. 260—40)

7. 9-chloroazanthracenes.

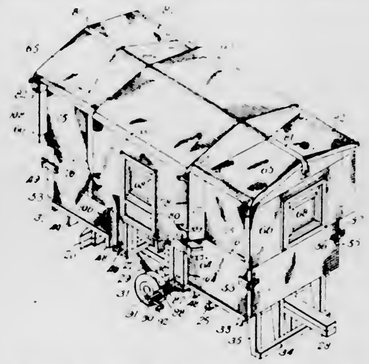
2,003,597
PRINTER'S QUOIN
James Edgar Lee, Olaf T. Gylleck, and Freeman Barney, Grand Haven, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application August 2, 1934, Serial No. 738,094
7 Claims. (Cl. 254—42)



1. In combination, a channel shaped member, an outer wedge member slidable between the flanges thereof, an inner wedge member located between the web of the channel shaped member and the outer wedge member, means for moving the wedge members relatively to each other, one of said wedge members being cut away to form a recess between the same and the channel shaped member and locking means located in said recess, said locking means engaging the channel shaped member and one of the wedge members for preventing undesired movement therebetween.

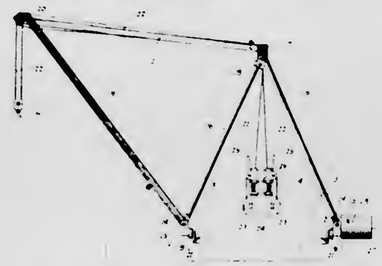
2,003,598
CAMPING TRAILER
Oscar J. Lehrer and John B. Blankenship, Norman, Okla.
Application May 2, 1934, Serial No. 723,529
7 Claims. (Cl. 296—23)

1. In a device of the character set forth, the combination with a chassis having a tug, of convertible props therefor, a lower unit fixed centrally upon the chassis, an upper extensible unit adapted to telescope the lower unit when lowered over said lower unit, guides formed on the inside and outside of said upper and lower units, means to raise the unit uppermost to a dwelling forming position, means to hold the same in that position, extensible floor sections on the lower unit to elongate the structure, side sections hinged to the lower unit, and adapted to be swung to dwelling forming positions, end walls carried by the extensible floor sections, and co-operating with the side walls, extension roofs carried by the upper extension unit extensible directionally with the floor extensions, side walls depending therefrom and meeting the aforesaid lower side walls, end walls carried by the roof sections and adapted to register with



the lower end walls, means to latch the side walls and end walls together, and the end walls of the upper and lower sections and the side walls thereof being adapted to be folded together, while the upper section telescopes the lower section, and means to hold the telescoped sections together.

2,003,599
TRACTOR DERRICK
Robert G. Le Tourneau, Stockton, Calif.
Application June 10, 1933, Serial No. 675,256
8 Claims. (Cl. 212—8)

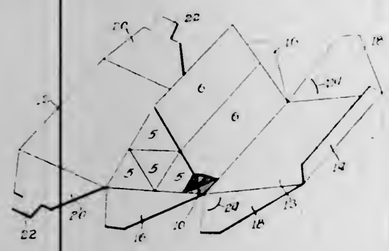


1. In combination with a tractor, a derrick mast upstanding from the tractor, a boom projecting laterally from the tractor on one side thereof, a frame extending along the sides of the tractor and across one end of the same, means connecting the frame to the tractor, the mast including a pair of legs diverging from their upper ends to terminations above one of the side members of the frame, and a common means to connect said legs to the frame and to also swivelly connect the lower end of the boom to the frame.

2,003,600
BUTTER PACKAGE AND METHOD OF MAKING SAME
Albert Lowenfels, White Plains, N. Y.
Application November 17, 1933, Serial No. 698,480
4 Claims. (Cl. 206—46)

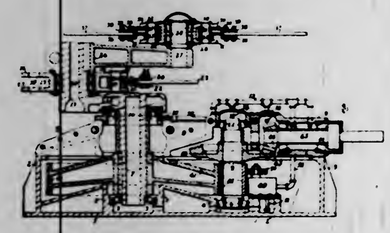
1. A butter package including a plurality of identical blocks of butter, each in the form of

an equilateral triangular prism, the blocks being arranged with at least one facet of each



contiguous to and co-extensive with a facet of another block.

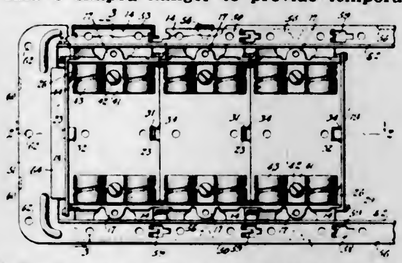
2,003,601
GEARED PUMPING POWER
Joseph R. Mahan and John B. Picard, Toledo, Ohio, assignors to The National-Superior Company, Toledo, Ohio, a corporation of Delaware
Application December 14, 1932, Serial No. 647,104
7 Claims. (Cl. 74—51)



1. In a pumping power of the character described, the combination of a base having a floor and side walls and forming a lubricant chamber, a pair of bearings mounted on the floor of the base, a pair of parallel vertical shafts having their lower ends journaled in said bearings, a partible cover detachably secured to said base, antifriction bearings held between the parts of said cover and in which said shafts are journaled, a crank on the upper end of one of said shafts above the base, a gear mounted on said shaft within the base, a pinion mounted on the second vertical shaft within the base and meshing with said gear, a beveled gear mounted on said second shaft within the base, a horizontal driving shaft extending into the base, and a beveled pinion mounted on said driving shaft and meshing with said beveled gear.

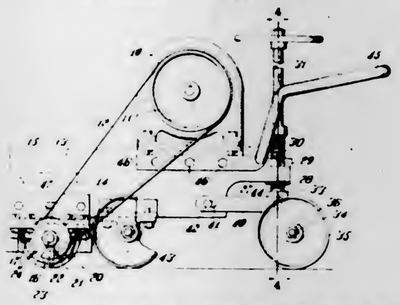
2,003,602
OUTLET BOX
Morris Marians, New York, N. Y., assignor, by mesne assignments, to Roach Appleton Manufacturing Company, South Bend, Ind., a corporation of Delaware
Application June 22, 1928, Serial No. 287,489
8 Claims. (Cl. 247—22)

1. A device of the character described comprising a U-shaped hanger, the legs thereof having folded over portions providing slots opening toward one another, parts of said legs projecting substantially at right angles to the plane of said U-shaped hanger to provide temporary



attaching means for temporarily attaching said hanger to an adjacent stud or the like.

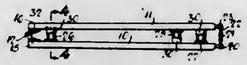
2,003,603
FLOOR RESURFACING DEVICE
Edward J. McKernan, Topeka, Kans.
Application December 15, 1933, Serial No. 702,528
3 Claims. (Cl. 144—117)



1. A floor resurfacing device comprising a main frame provided with supporting wheels; an arbor revolubly mounted at the forward end of the frame and disposed transversely beyond both sides of the frame; interchangeable blade carrying members adapted to be removably secured on one of the extended ends of the arbor beyond the side of the frame and to rotate therewith; a guard member removably secured to the side of the frame and adapted, when certain of said blade carrying members is used, to support the free end of the arbor and to expose said end of the arbor when the guard is removed; a sleeve slidable on the arbor when the guard member is removed whereby a blade carrying member is held at the outer end of the arbor; an electric motor mounted on the frame and having operative relation with the arbor so as to rotate the latter; a caster wheel carrying fork provided with an upstanding spindle, a bored screw adapted to rotatably receive the spindle, an internally threaded bushing for receiving said screw to permit the latter to screw upwardly or downwardly and thereby vertically adjust the rear part of the frame; means whereby said bushing is removably secured to the frame, and means whereby the device may be guided.

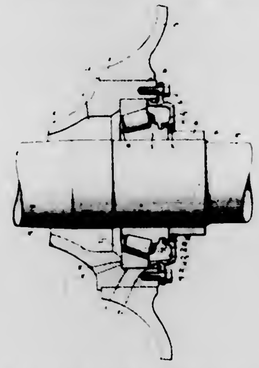
2,003,604
IRONING BOARD
Archie K. McLeod, Charlotte, N. C.
Application September 15, 1934, Serial No. 744,125
1 Claim. (Cl. 68—10)

An ironing board comprising a pair of sections, hinges for securing said sections, end to end, to each other, means associated with said



hinges normally forcing said sections to unfolded position.

2,003,605
ROLLER BEARING ASSEMBLY
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 25, 1929, Serial No. 409,494
17 Claims. (Cl. 295—36)



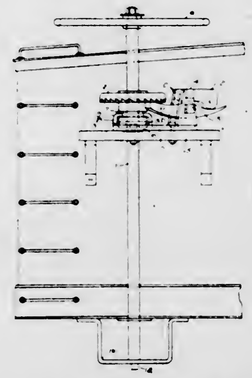
15. In a wheel and axle assembly, the combination of an axle, a wheel, anti-friction bearings disposed between said wheel and axle, said bearings having a racering, means for securing said racering in operative position, means for retaining bearing lubricant including baffle means substantially completely encircling said axle, and a cover plate disposed between said wheel and axle and having a portion substantially encircling said axle and interposed between a portion of said racering and said baffle means.

2,003,606
BALLAST EXCAVATING AND CLEANING APPARATUS
Harry W. Protzeller, Fairmont, Minn., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn., a corporation of Minnesota
Application October 5, 1933, Serial No. 692,249
19 Claims. (Cl. 262—2)



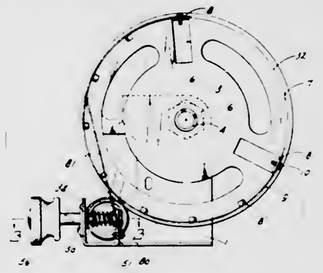
1. In an apparatus of the class described, a car, ballast excavating and cleaning mechanism carried by the car, and means for moving said mechanism from its non-working position, outwardly and downwardly to its working position, said means also being operable to tilt said mechanism in any direction when in said working position to meet different working conditions.

2,003,607
HAND BRAKE MECHANISM
Michael A. Prud'homme, Outremont, Quebec, Canada
Application March 14, 1934, Serial No. 715,411
In Canada December 30, 1933
1 Claim. (Cl. 188—81.1)



In a hand brake mechanism of the character described the combination of a brake mast, a hub in operative engagement with the mast and having adjacent its upper end a ratchet with downwardly projecting teeth and adjacent its lower end a circular recess, a bearing plate having bearing means for the hub, said plate having a part in engagement with the hub recess to retain the parts in place and a pawl in position to engage the ratchet teeth between said teeth and said hub recess.

2,003,608
TUNING CONTROL
George Roethel, Jr., Chicago, Ill., assignor to E. H. Scott
Application October 26, 1932, Serial No. 639,729
2 Claims. (Cl. 74—10)



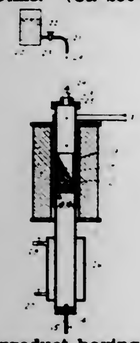
1. In a radio control mechanism, means for actuating a variable tuning control comprising a driving hub adapted to be secured to a condenser shaft, a flange extending radially from the hub, means to rotate the hub by frictional engagement with the edge of said flange comprising a plurality of friction discs disposed in overlapping engagement with the flange, one of said discs being of thin flexible material and held into engagement with the flange by one of the other discs.

2,003,609

PREPARATION OF COMPOSITE SUBSTANCES

Alger S. Riggs, New York, N. Y., assignor, by mesne assignments, to Electrons, Inc. of Delaware, a corporation of Delaware

Application August 26, 1932, Serial No. 630,559
14 Claims. (Cl. 250—27.5)



1. A metallic product having the ductility required for working into filamentary form and consisting of a base metal and an alkaline-earth oxide in a state of molecular miscibility.

6. The process of combining a metal and a substance having a metallic component which consists in dissolving a mixture of salts which upon heating yield said metal and substance respectively and then precipitating the same from the solution by flashing the solvent into vapor at a temperature well above its boiling point and at least equal to the decomposition temperature of said salts.

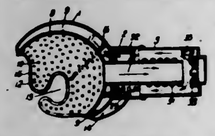
14. In a process of converting a billet containing an intimate mixture of metalliferous components into a ductile wire, the steps of subjecting the billet to impact pressure of the order of 1400 tons per square inch, and annealing the billet in a reducing atmosphere.

2,003,610

HAIR DRIER

Peter Santurello, Columbus, Ohio

Application January 24, 1931, Serial No. 511,050
3 Claims. (Cl. 34—26)



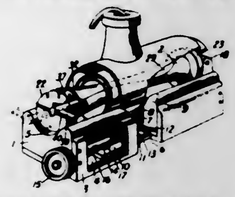
3. A hair drier comprising a substantially continuous hood adapted to encompass the head in close proximity to the scalp and the hair to be treated, said hood consisting of an outer imperforate wall and an inner perforated wall suitably spaced from said wall so as to form a chamber for the circulation of a drying medium therethrough, said chamber being closed at all of its edges, a casing secured to said hood and in communication with said chamber, a duct adjacent the lower rear portion of said hood and in communication with said casing for introducing drying medium onto the hair disposed upon the neck, means for creating a flow of drying medium from said casing through said chamber, means for controlling the flow of the drying medium from said casing into said chamber, valve means disposed within said chamber and dividing said chamber into an upper portion corresponding to the top of the scalp and a lower portion corresponding to the back of the scalp, said valve means regulating the flow of the drying medium through both of said portions or through only said lower portion, and means for regulating the flow of the drying medium from said casing through said duct.

2,003,611

HAIR WAVING APPARATUS

Peter Santurello, Columbus, Ohio

Application January 29, 1934, Serial No. 708,903
14 Claims. (Cl. 132—36)



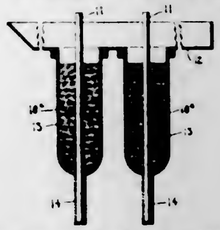
14. In apparatus for waving hair, a protecting member having a trough formed in its upper surface with the bottom of said trough continuous so as to prevent escape of liquid or vapor therethrough, said protecting member having an open-ended slot formed in one edge thereof which is adapted to receive a strand of hair and a member adjustable into a position where it will retain the hair in said slot or into a position where it will permit removal thereof.

2,003,612

FROZEN CONFECTION

Milton Schnaier, New York, N. Y., assignor to The Popsicle Corporation of the United States, a corporation of Delaware

Original application March 26, 1930, Serial No. 438,937. Divided and this application November 10, 1933, Serial No. 697,448
5 Claims. (Cl. 107—19)



1. A freezing mold of the class described including a pan and individual mold units pendant from the pan, said mold units comprising elongated receptacles having their open mouths affixed at corresponding openings in the pan and closed bottom wells of reduced cross-section extending below the main body portions of said receptacles and adapted to receive the lower end of a handle stick about which material in the main section of the mold is to be frozen.

2,003,613

WATERPROOFING CONCRETE

Edward W. Scripture, Jr., Cleveland Heights, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 9, 1932, Serial No. 610,389
14 Claims. (Cl. 106—27)

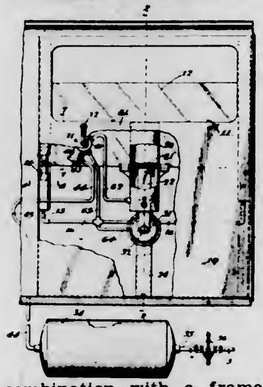
1. The process of producing waterproof concretes and mortars which comprises the steps of first producing a water-emulsion of a soap forming fatty acid, and then mixing and agitating said emulsion with hydraulic cement, aggregate and tempering water until thoroughly disseminated throughout the mixture.

2,003,614

AUTOMOBILE WINDOW OPERATING MEANS

Walter F. Shetzline, Los Angeles, Calif.

Application September 11, 1933, Serial No. 688,977
12 Claims. (Cl. 268—125)



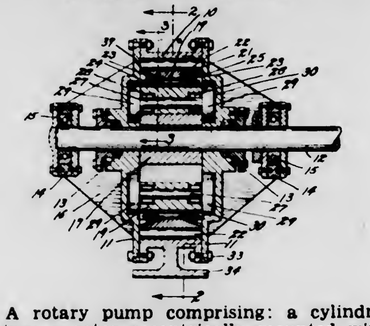
1. The combination with a frame provided with an opening and a panel arranged for sliding movement in said frame and adapted to close said opening, of a cylinder arranged within said frame below the opening therein, a piston arranged for operation within said cylinder, a substantially U-shaped member providing a connection between said piston and said panel, a guiding support for said U-shaped member, a brake for normally engaging said U-shaped member and holding same against movement, vacuum operated means for effecting a release of said brake, and means for simultaneously producing vacuum in the cylinder above said piston and within said vacuum operated brake releasing means.

2,003,615

ROTARY PUMP

Charles Smith, Albert E. Prohaska and Albert L. Wilson, Denver, Colo., assignors of one-fourth to O. B. Schmidt, Denver, Colo.

Application August 10, 1933, Serial No. 684,520
4 Claims. (Cl. 103—136)



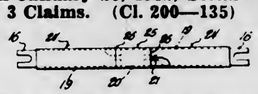
3. A rotary pump comprising: a cylindrical housing; a rotor eccentrically mounted within said housing; vanes slidably mounted in laterally extending radial guideways in said rotor; each of said vanes having a slot extending longitudinally along its outer end; a sealing block slidably mounted in each slot so as to extend beyond said vane, the bottom of each sealing block having an inclined surface; a wedge block positioned between the bottom of said slot and said inclined surfaces; means for moving said wedge block so as to force said sealing block outwardly or draw it inwardly so as to increase or decrease the length of said vanes as desired; said means including dove-tailed connections between said inclined surface and said wedge block and between the bottom of said slot and said wedge block so that the latter may exert a pulling as well as a pushing action.

2,003,616

OIL FUSE

Alwin G. Steinmayer, Milwaukee, and William O. Schultz, South Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application January 25, 1932, Serial No. 588,606
3 Claims. (Cl. 200—135)



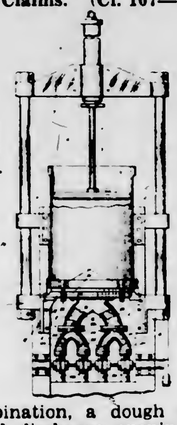
3. A fuse link comprising an elongated conducting member having end portions and an intermediate portion and having reduced portions joining said end and intermediate portions, said fuse link being covered by sheaths formed of insulating material of poor thermal conductivity, said sheaths consisting of a central sheath and two end sheaths, said central sheath having its edges abutting the adjacent edges of the end sheaths, and said abutting edges being located at said reduced portions.

2,003,617

DOUGH DIVIDER FOR DOUGHNUT MACHINES AND THE LIKE

Peter J. Toews, Minneapolis, Minn., assignor to National Automatic Doughnut Machine Company, Minneapolis, Minn., a corporation of Minnesota

Application April 6, 1932, Serial No. 603,502
3 Claims. (Cl. 107—14)



1. In combination, a dough tank having a single central discharge opening at the lower end thereof, means for forcing dough downwardly in said tank and through said opening,

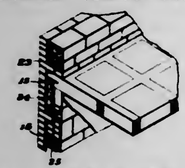
a divider having a pair of passageways communicating with said opening, said passageways being symmetrical with respect to said opening and terminating in outlets spaced from one another, and secondary dividers having passageways communicating with the outlets of said first named divider, the passageways of said second named dividers being symmetrical with respect to said outlets and terminating in secondary outlets, the spacing of said secondary outlets being one-half that of said first named outlets.

2,003,618

METHOD OF AND MEANS FOR WATERPROOFING BUILDINGS

Edwin H. White, Newark, N. J., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts

Application June 15, 1932, Serial No. 617,373
2 Claims. (Cl. 72—127)



1. The method of waterproofing the floor of a building construction which consists in forming a lower floor area, applying thereto successive layers of waterproof, multiply sheet material, each consisting of two sheets of impervious paper saturated with a waterproofing substance and reenforced by filaments adhesively secured between the sheets, securing said layers together in overlapping relation by applying a bituminous binder over each sheet to form a flexible membrane having complete water impervious continuity throughout the floor area, and laying directly upon said membrane the upper floor area.

2,003,619

PIPE CUTTING DEVICE

Ralph J. Williamson, Milton, Mass., assignor to Trimont Manufacturing Co., Inc., Roxbury, Mass., a corporation of Massachusetts

Application May 10, 1933, Serial No. 670,268
1 Claim. (Cl. 29—67)



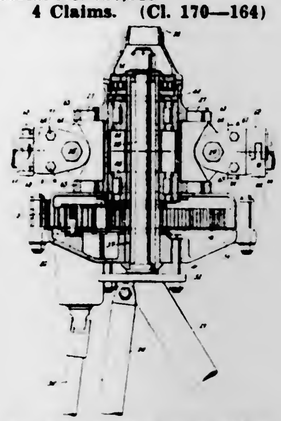
In a pipe cutting device, the combination of two relatively movable metal blocks each having a complemental cylindrical opening of a radius for closely engaging the exterior of a pipe for a substantial length thereof, a block supporting base having an upwardly extending block holding member provided with an overhanging lip which engages the top of and holds one of the blocks in operative position on the base, a pressure device acting in opposition to the upwardly extending lipped member, and each of the metal blocks having a saw kerf or slot extending in a plane at one side of the upwardly extending lipped member and the pressure device.

2,003,620

AIRCRAFT HAVING SUSTAINING ROTORS

Heraclio Alfaro, Cambridge, Mass., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Original application December 9, 1931, Serial No. 579,853. Divided and this application May 24, 1934, Serial No. 727,245
4 Claims. (Cl. 170—164)



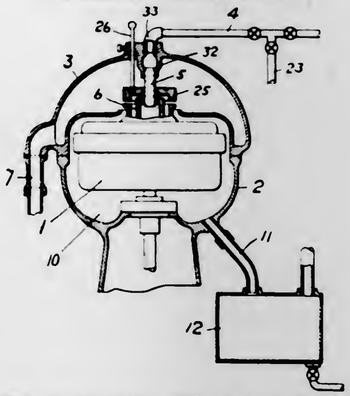
1. In an air driven rotor system, an axis mechanism, a rotor blade mounted on the axis mechanism, and means for adjusting the incidence of said blade, said means including a squared device fixed at the blade root, bracket means at opposite sides of the squared device and adjusting elements operatively associated with the said device and the bracket means to alter their relative angular positions.

2,003,621

CENTRIFUGAL SEPARATOR

Gustav Harry Andersson, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application January 16, 1933, Serial No. 651,975
In Germany September 14, 1932
8 Claims. (Cl. 233—13)



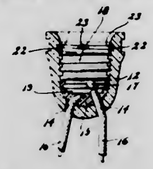
8. The combination with a centrifugal separator bowl having an open neck, a centrally positioned supply tube extending into and spaced from the neck of the bowl, a distributor extending into the bowl neck and spaced from both the supply tube and the bowl neck and spaced from both the supply tube and distributor and between the distributor and the bowl neck, said bowl having drainage channels in its bottom part, of means movable into and out of position to close both said openings, said means comprising a disc enclosing the feed tube and movable thereon and an annular flange on the disc in alignment with the bowl neck.

2,003,622

WEATHERPROOF SOCKET

Clinton Bateholts, Hoosick Falls, N. Y., assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y., a corporation of New York

Application May 4, 1932, Serial No. 609,067
2 Claims. (Cl. 173—358)



2. A socket for electrical connection, comprising an insulating cup with a bi-terminal metallic shell insert, conductor wires from the insert through holes in the cup-bottom, and a sealing medium in the cup-bottom facing the insert, the whole providing in the cup two oppositely-facing obstruction-abutments, one of which abutments is the cup's bottom with said sealing medium facing the insert, on which a substantial area of the bottom part of the insert is engaged, there being means obstructing flow of sealing medium to the interior of the metallic shell; and the other of which abutments is in a wall of the cup, there being a lateral recess in the cup's wall, open to the interior of the cup, and that wall of this recess which is toward the mouth of the cup constituting the abutment last mentioned; there being a part of the shell-insert wall protruding laterally into engagement with said recess-wall, whereby mouthward movement of the insert is obstructed; and the axial distance between the two said abutments being equal to the axial distance between the two said parts of the insert, whereby the two said engagements of insert with cup are simultaneous.

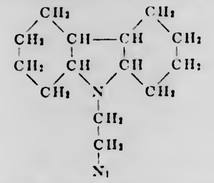
2,003,623

HETEROCYCLICALLY SUBSTITUTED PERHYDROCARBAZOLES

Max Bockmühl, Walter Krohs, and Gustav Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 31, 1932, Serial No. 602,400. In Germany April 4, 1931
2 Claims. (Cl. 260—45)

2. The compounds of the following formula:



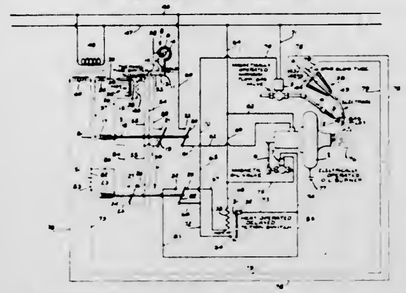
wherein N_1 is part of a five-membered heterocyclic unsaturated or saturated radical, said compounds being difficultly soluble or insoluble in water, forming hydrohalides soluble in water and being useful as therapeutics.

2,003,624

CONTROL SYSTEM FOR BURNERS PRODUCING HIGH TEMPERATURE FLAMES

George D. Bower, Columbia Heights, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 10, 1933, Serial No. 665,462
12 Claims. (Cl. 158—28)



1. A system of the class described, comprising, in combination, an electrically operated fluid fuel supply controlling device for producing a high temperature flame, a sensitive relay, an energizing circuit for the fuel supply controlling device controlled by said relay, means for producing a low temperature flame intersecting said high temperature flame, and a circuit for operatively energizing said relay, said circuit including the low temperature flame and high temperature flame in series as part of its conducting path.

2,003,625

TERMINAL CONNECTION FOR ELECTRIC HEATING ELEMENTS

John A. Boyer, Niagara Falls, N. Y., assignor to Globar Corporation, Niagara Falls, N. Y., a corporation of New York

Application March 4, 1932, Serial No. 596,761
2 Claims. (Cl. 201—63)



1. A silicon carbide heating element having a metal terminal cap surrounding the end portion of the said element, the side walls of the cap being in intimate contact with the surface of the element, and a packing of metal powder within the cap, the said metal powder containing a substantial proportion of aluminum.

2,003,626

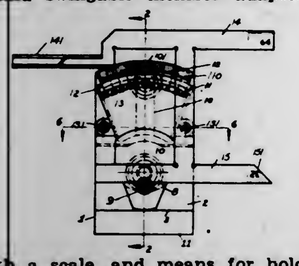
UNIVERSAL MEASURING INSTRUMENT

George Bozzer and Julius Habersin, Detroit, Mich.

Application March 27, 1934, Serial No. 717,630
6 Claims. (Cl. 33—75)

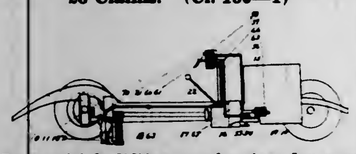
1. An instrument of the character described comprising a body having an arcuate portion having graduations thereupon, a pivot concentric therewith, a member swingably mounted upon said pivot and having a pointer adapted to register with said graduations for adjustment to various angles relative to said body, a facing projecting from said body at right angles

to the longitudinal axis of the same and adapted to co-act with a scale, means for holding said scale in contact with said facing, a facing upon said swingable member adapted to co-



act with a scale, and means for holding said last-mentioned scale in contact with said last-mentioned facing, whereby said last-mentioned scale may be adjusted to various angles relative to the longitudinal axis of said body.

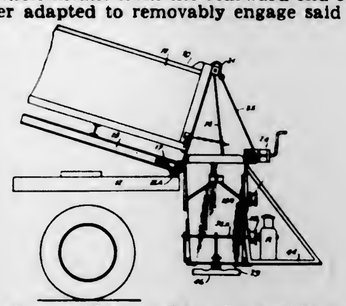
2,003,627
LIFTING AND PROPELLING MECHANISM FOR VEHICLES
Thomas E. Burkhardt, Dayton, Ohio
Application August 22, 1932, Serial No. 629,813
28 Claims. (Cl. 180—1)



1. In a vehicle lifting mechanism for a vehicle having a frame, a cylinder supported by the frame, an outer piston movable within the cylinder, an inner piston movable within the outer piston, a vehicle supporting member carried by the inner piston, means for supplying fluid under pressure between the inner and outer pistons, to force the inner piston downwardly, and a passage in the outer piston opening at one end within the interior thereof at a position to be uncovered by the inner piston when the inner piston approaches the end of its stroke, said passage opening at its other end on the exterior of the outer piston at a position to supply fluid under pressure between the outer piston and the cylinder to thereby force the outer piston together with the inner piston carried thereby downwardly to raise the vehicle.

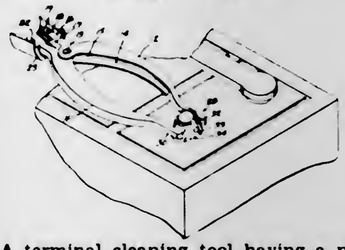
2,003,628
DEVICE FOR SPREADING ROAD MATERIAL
John Eric Chadwick, Toronto, Ontario, Canada
Application September 11, 1933, Serial No. 688,933
4 Claims. (Cl. 275—8)

1. For use in combination with a dump truck having a tail gate swingable rearwardly from the bottom and supports extending rearwardly from the dump body of said truck, a removable material spreader unit comprising a hopper adapted to rest at the forward end upon said supports whereby the rearward end of said hopper is free to swing from the bottom, said hopper being formed to allow said gate to swing thereover to discharge material thereinto when said dump body is tilted and terminating in an opening for the discharge of the material, a rotor positioned to receive the material falling out of said hopper, a door under said opening operable to vary the rate of discharge of the material, means for actuating said rotor, and adjustable means from the rearward end of said hopper adapted to removably engage said truck



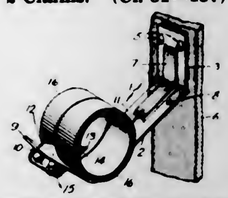
body above said supports and operable to move said rearward end relatively to said body whereby said rotor may rotate in a horizontal plane irrespective of the tilted position of said body.

2,003,629
IN AND OUT TERMINAL CLEANING TOOL
Irven E. Coffey, Santa Ana, Calif.
Application February 13, 1931, Serial No. 515,548
11 Claims. (Cl. 82—4)



1. A terminal cleaning tool having a pair of hand levers pivotally connected together, a pivot rivet on the end of each lever and extending inwardly and each having a jaw swivelly mounted thereon to rotate on the axis of the rivet, each jaw being concave on its interior surface, and the jaws adapted to engage and smooth an exterior conical or cylindrical surface.

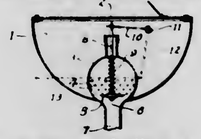
2,003,630
PIPE CUTTER
William F. Errig, Philadelphia, and George M. Pfundt, Churchville, Pa., assignors to Peco Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 4, 1934, Serial No. 728,976
2 Claims. (Cl. 81—187)



1. A pipe cutter comprising a main section and end sections, the end sections being disposed at angles greater than a right angle with respect to the main section, one of said end sections having a flange extending laterally thereof and

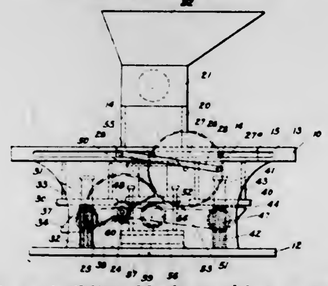
an opening therein, a cutting blade carried by the flange and extending through the opening with its cutting edge overhanging the main section, and means for securing the other end section to a support.

2,003,631
SAND BRAKING DEVICE, PARTICULARLY ADAPTED FOR USE ON AUTOMOBILES
Max Friedrich, Chicago, Ill.
Application March 30, 1933, Serial No. 663,585
1 Claim. (Cl. 291—36)



A sanding device including a supply reservoir; a bulbular sand trap within said reservoir, an outlet spout connected with said trap, a downwardly closing spring controlled valve arranged within said trap for normally closing said outlet; said trap having only its lower half formed with perforations to limit the amount of sand entering the outlet spout, but at the same time, permitting enough sand to enter the trap to assist in closing the valve and foot operated mechanism connected with said valve for opening said valve at predetermined intervals.

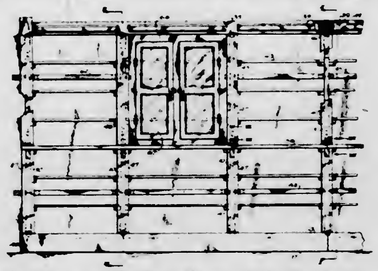
2,003,632
BUILDING BLOCK MACHINE
Louis Gelbman, Yonkers, N. Y.
Application December 13, 1928, Serial No. 325,673
17 Claims. (Cl. 25—41)



15. In a building block machine, a mold, a continuous vibrator movably mounted for engaging against said mold to pack material into the mold, means for holding said vibrator in a position contacting with said mold and in another position out of contact, and vibration insulation material insulating the vibrations from said vibrator reaching the mold in the latter mentioned position of the vibrator.

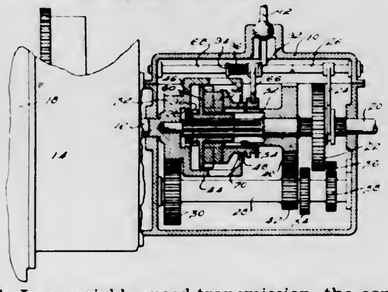
2,003,633
KNOCKDOWN WALL FIXTURE
Marriott T. Johnston, Chicago, Ill., assignor to Walgreen Co., Chicago, Ill., a corporation of Illinois
Application May 5, 1932, Serial No. 609,532
9 Claims. (Cl. 211—148)

1. In a sectional wall fixture, the combination with vertical support members, top and bottom members detachably applied to the extremities of said vertical members, sustaining means for shelf members on said vertical support members, horizontal shelf members removably supported by said sustaining means between said vertical members, the end vertical support members being attached to said top and bottom members so that the vertical median line of the former are



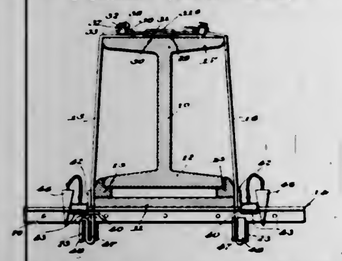
in alignment with the edges of the latter to enable the association of wall fixture sections without vertical member duplication, and inter-engaging means detachably connecting said vertical support members with said top and bottom members to retain the assembly thereof as a rigid unit.

2,003,634
AUTOMATIC TRANSMISSION
Rex E. Keller, Beverly Hills, Calif.
Application February 26, 1934, Serial No. 713,028
9 Claims. (Cl. 74—336)



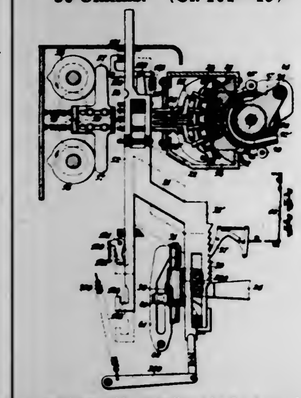
1. In a variable speed transmission, the combination of two clutch elements driven from a common source and adapted to be rotated at different rates with a driven shaft adapted to be connected to either of said clutch elements, a clutch core member connected for rotation with said driven shaft, each of said clutch elements being provided with a slotted opening, a centrifugally operable bolt carried by said clutch core member and normally engageable with the slotted opening in the slower rotating of said clutch elements for connecting said driven shaft to the same to be driven thereby, said centrifugally operable bolt being movable subsequent to the attainment of a predetermined speed of rotation by said clutch core to extend into said slotted opening provided in the faster rotating of said clutch element and being provided with means for preventing the movement of said bolt into the slotted opening in the faster rotating of said clutch elements until the rotative speeds of said last mentioned clutch element and said clutch core are substantially synchronous, said centrifugally operable bolt being movable out of engagement with the said slotted opening in the slower rotating of said clutch elements upon moving in to the slotted opening in the faster rotating of said clutch elements.

2,003,635
BEAM HANGER
Charles M. Markham, Detroit, Mich.
Application June 23, 1932, Serial No. 618,976
1 Claim. (Cl. 25—131.5)



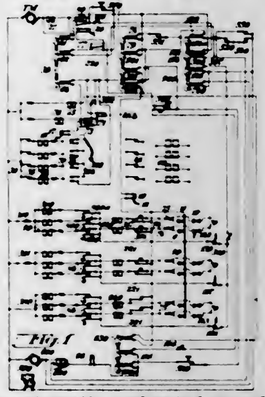
In a beam hanger for concrete forms, a form supporting cross member, strips for suspending said cross member from a beam, seat members carried by the lower ends of said strips and upon which said cross member is adapted to rest, said seat members each comprising a one piece laminated sheet metal member, said strips having the lower ends thereof looped under an intermediate lamination and confined by adjacent laminations of said members, said strips extending over said beam from opposite sides thereof, and means for connecting the ends of said strips together.

2,003,636
PRINTING AND PUNCHING RECORD CONTROLLED MACHINE
Michael Maul, Berlin-Johannisthal, Germany
Application June 11, 1931, Serial No. 543,599
In Germany June 14, 1930
30 Claims. (Cl. 101—19)



1. In an automatic perforated record card controlled punching and printing tabulating machine, analyzing means for said record cards, means for automatically feeding said record cards one by one past said analyzing means, means for automatically feeding a continuous record sheet step by step in accordance with the passage of the subsequent record cards past said analyzing means, punching means for perforating said record sheet, printing means for printing upon said record sheet, both said punching and printing means being under the common control of said analyzing means, means for causing said punching and printing means to subsequently perforate and simultaneously print upon said record sheet in accordance with the perforations on said record cards, an automatic group control mechanism responsive to changes in the perforations of record columns of subsequent cards controlling commonly said punching and printing means, and means under the control of said group control mechanism for rendering the punching means inactive after the passage of the first card of each group.

2,003,637
RECORD CONTROLLED PUNCHING MACHINE
Michael Maul, Berlin-Johannisthal, Germany
Original application June 11, 1931, Serial No. 543,599. Divided and this application December 27, 1932, Serial No. 649,000. In Germany June 14, 1930
24 Claims. (Cl. 164—115)



1. In an automatic perforated record card controlled machine, analyzing means for said record cards, means for automatically feeding said record cards one by one past said analyzing means, punching means under the control of said analyzing means, an automatic group control mechanism responsive to changes in the perforations of record columns controlling said punching means, and means under the control of said group control mechanism for modifying the operation of the machine upon a change in the perforations of the card columns controlling said punching means.

2,003,638
CARTRIDGE THERMOSTAT
Paul A. Nothstine, Dayton, Ohio
Application August 18, 1928, Serial No. 300,560
11 Claims. (Cl. 200—122)



1. In an automatic flasher switch, a unitary device for insertion into and removal from an electrical circuit without disturbance of the electrical connections thereof comprising a vessel, metallic terminal caps on the vessel for contact engagement with terminals of an electrical circuit, a thermostatic bar mounted within the vessel, said bar being permanently electrically connected with one of said terminal caps, a contact intermittently engaged by the bar and electrically connected with the other of said terminal caps, said bar being caused to intermittently make and break connection between said terminal caps by fluctuations of temperature.

2,003,639
PRINTING PRESS
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application February 9, 1931, Serial No. 514,376
Renewed April 19, 1934
4 Claims. (Cl. 270—5)



1. In a printing press, a plurality of perfecting press units each adapted to print a web, means for assembling the webs, a multiple impression unit adapted to make a plurality of impressions on a face of one of the webs, reversing means whereby the multiple impressions may be made on either face of the latter web as desired, and means for introducing the latter web at any desired position in the assembly.

2,003,640
RECOVERY OF NAPHTHENIC ACIDS
Julius A. Wunsch, New York, N. Y.
No Drawing. Application February 25, 1932, Serial No. 595,237
3 Claims. (Cl. 260—108)

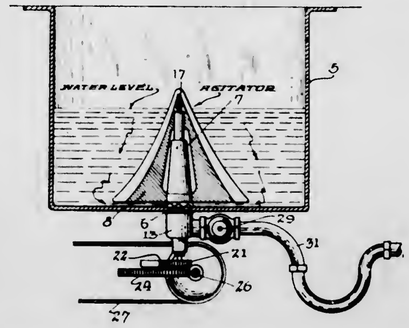
1. The method of recovering alkali metal naphthenates from mineral oil sludge which consists in dispersing the sludge in an aqueous medium, thinning the dispersed sludge, de-emulsifying the thinned sludge with a water soluble inorganic compound while maintaining the thinned sludge at a temperature substantially between 90° and 100° C. to effect substantially complete separation of the naphthenates and removing the mineral oil layer that is formed after de-emulsification.

2,003,641
PRINTING OF TEXTILE FABRICS WITH VAT DYESTUFFS
Hermann Berthold, Leverkusen-on-the-Rhine, Carl Krauss, Frankfort-on-the-Main-Fechenheim, and Alfred Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1930, Serial No. 457,522. In Germany June 4, 1929
5 Claims. (Cl. 8—6)

1. Process of preparing a water-insoluble leuco compound of a vat dyestuff which leuco compound is stable to air, which comprises reducing a halogenated-1.2-naphthoxythiophene - halogenated-2.2'-indolindigo with a reducing agent customarily employed in vat dyeing and effective with weak alkali, in the presence of water, ammonia, and a water-soluble alcohol.

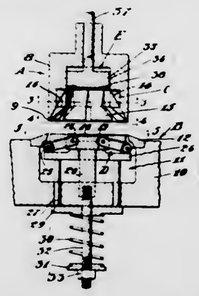
2,003,642
WASHING MACHINE
Carl F. Brunn, Brisbane, Calif.
Application August 21, 1933, Serial No. 686,162
1 Claim. (Cl. 259—101)

In a device of the character described, the combination with a tub having a fitting extending through the bottom thereof, said fitting having a frusto-conical upper end extending into the tub a sufficient distance to form a bearing, an agitator rotatably positioned on said fitting, a shaft extending through said fitting and connected to said agitator; a second fitting secured to said first mentioned fitting and contacting the bottom of said tub at a point below the tub and in axial



alignment with said first mentioned fitting, said second fitting having a tubular shaft enclosing portion extending into said first mentioned fitting, passages formed in said first mentioned fitting and said second mentioned fitting at a point outside the margin of said tubular member, whereby fluid may be drawn from the tub without engagement with said shaft.

2,003,643
BOTTLE CAP FORMER
George A. Buttress, Los Angeles, Calif., assignor to Lonroy Corporation, Los Angeles, Calif., a corporation of California
Application February 2, 1934, Serial No. 709,478
3 Claims. (Cl. 93—60)

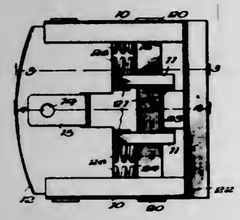


1. In a punching mechanism for forming paper caps for bottles, a circular die, a punch cooperable with said die to punch a circular blank, a head arranged centrally of said die, a series of vertically swinging arms pivotally supported on said head and projecting radially therefrom, yieldable means for normally maintaining said arms in an uppermost position, crimping elements carried on the upper edges of said arms, and means on said punch member for bending the marginal portion of the blank over said crimping elements to form radially extending pleats on the marginal portion of said blank and also to form said marginal portion at an angle relative to the central portion of the blank.

2,003,644
BIOPHYSICAL PROCESS FOR PRESERVING AND CONSERVING FERMENTABLE LIQUIDS
Percy Charles Clifford and Joaquin Crespo y Garcia, Mexico, D. F., Mexico
No Drawing. Application October 29, 1932, Serial No. 640,325. In Mexico November 3, 1931
3 Claims. (Cl. 99—15)

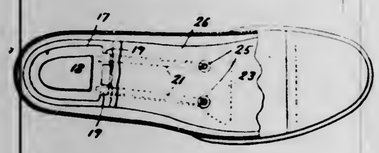
1. A bio-physical process for conserving or preserving fermentable liquids, which consists in subjecting the same to varying temperatures, raising and lowering alternatively high and low temperatures in ascending and descending scales, in one continuous operation and terminating such variations, with a fixed high or low temperature maintained for a determined period of time according to the kind of liquid being treated by the process.

2,003,645
MINE CAR BUMPER
William T. Dalton, Ansted, W. Va.
Application October 17, 1934, Serial No. 748,750
9 Claims. (Cl. 293—55)



1. A combined bumper and draft rigging for mine cars and the like comprising fixed side sills, intermediate sills movable longitudinally of the side sills, a bumper carried by the intermediate sills, a pair of cross members each extending transversely of all said sills, said cross members being free to move longitudinally of the side sills and the intermediate sills being movable relatively to the cross members, and means for yieldingly urging said cross members away from each other.

2,003,646
FOOT AERATING DEVICE
Michele De Biasio, Wilkes-Barre, Pa.
Application August 23, 1934, Serial No. 741,155
1 Claim. (Cl. 36—3)



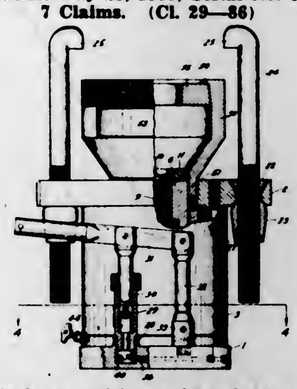
In a structure of the class described, a longitudinally arched plate, the longitudinal edges thereof being bent inwardly to define longitudinally extending tubular sheaves, a pair of air circulating tubes mounted in said sheaves, and a hollow block-like compressible rubber bulb having attaching nipples with which the adjacent ends of said tubes are connected.

2,003,647
ELECTRIC MOTOR
Torbjörn Viktor Dillström and Per Anton Åstradsson, Stockholm, and Fredrik Dahlgren, Djursholm, near Stockholm, Sweden.
Application October 26, 1931, Serial No. 571,226
In Sweden June 4, 1930
17 Claims. (Cl. 172—126)



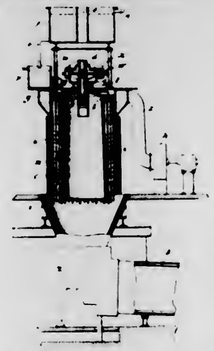
17. In an electric induction motor, a primary winding, means for exciting said winding uninterruptedly in operation by commercial alternating current, an induction armature movable to and fro and short-circuited in operation, and means for reversing the direction of motion of said armature automatically in the end positions of its to and fro motion.

2,003,648
COMBINED JACK AND WHEEL AND GEAR PULLER
Fred L. Frye and John K. Frye, New Boston, Ill., assignors of one-half to Harry Englehart, Davenport, Iowa
Application May 25, 1933, Serial No. 672,780
7 Claims. (Cl. 29—86)



1. A jack comprising a base having an upstanding tubular member provided adjacent its upper end with a liquid seal ring, a piston surrounding said tubular member and having a liquid seal in its lower end, said piston being slidable longitudinally of said tubular member, a second tubular member surrounding said piston and cooperating therewith in substantially liquid-tight relation, said second mentioned tubular member being attached to the base in liquid-tight relation, a third tubular member surrounding the first and second tubular members and having liquid-tight connection with said base, there being liquid chambers between said tubular members, a head spaced from said base and connected to said second and third tubular members in liquid-tight relation, said head having an opening therethrough for the passage of said piston, a liquid seal in connection with said opening and surrounding said piston to prevent leakage of liquid around said piston, the second mentioned tubular member having an opening therethrough adjacent said head to connect the liquid chambers for flow of liquid between them, and means for forcing liquid from the outer liquid chamber to the inner liquid chamber below the piston to cause movement thereof, the opening in the tubular member being free from connection with both liquid chambers.

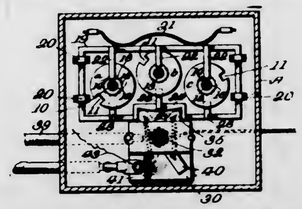
2,003,649
HEAT EXCHANGE APPARATUS
Alexander Hasselbach, Dessau, Germany
Application April 12, 1933, Serial No. 665,809
In Germany April 18, 1932
3 Claims. (Cl. 222—7)



1. In apparatus for drying sludge, the combination with a vertical annular chamber having a gas inlet in the lower portion thereof through which hot gases are introduced and a gas outlet in the upper portion thereof, of a plurality of relatively movable chains supported in the chamber and depending freely therein, means for depositing sludge on said chains, means for agitating said chains to dislodge the sludge therefrom when dried, and means for directing and confining the hot gases in an upward path in the direction of the chains through the whole cross-sectional area of the annular chamber.

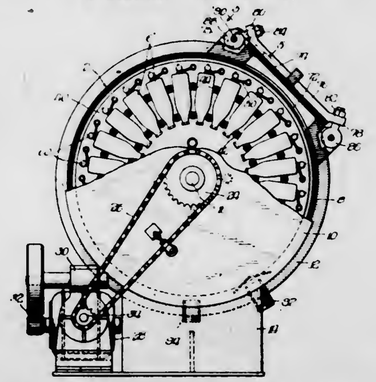
2,003,650
COMBINATION LOCK WITH ELECTRICAL SWITCH CONTROL
George T. Hosking, Somerville, Mass., assignor of one-fourth to Thomas G. Phillips, Somerville, Mass., and one-fourth to Gomer R. Lewis, Waterbury, Conn.
Application April 18, 1933, Serial No. 666,752
5 Claims. (Cl. 70—53)

1. A lock of the character described comprising a plurality of relatively spaced tumbler disks each having a peripheral opening therein, a plurality of axially and rotatably adjustable shafts, one for each tumbler disk, each shaft being extended loosely through its tumbler disk in such manner as to retain the disk in position, a control disk fixed to each shaft at a position to overhang the tumbler disk of said shaft, the control disk and the adjacent tumbler disk of each shaft having complemental interlocking means so constructed and arranged that the disks may be engaged and disengaged by axial movements imparted to the shaft, a slide bar having lugs complemental to the peripheral recesses of said tumbler disks, a spring yieldably holding said



slide bar in such position that said lugs and said disks are normally disengaged, and means constructed and arranged to impart slidable movement to said slide bar against the tension of said spring, said slide bar also having means constructed and arranged to overlie said control disks in such manner as to prevent axial movement of the shafts while said lugs are disengaged from said recesses.

2,003,651
STERILIZING APPARATUS
Karl W. Karnopp, Winnetka, Ill.
Application October 31, 1932, Serial No. 640,407
2 Claims. (Cl. 99—18)

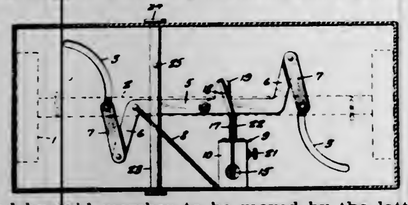


1. A receptacle holding device for a sterilizer, comprising rotatable supporting means, oppositely disposed frame members mounted thereon, an inner and outer row of spaced members extending between said frame members, the members of said rows being substantially in radial alignment, and receptacle retaining members releasably secured to a frame member for preventing radial displacement of said receptacles.

2,003,652
DOOR OPERATOR
Albert J. Kinsler and Joseph Kinsler, Pittsburgh, Pa.
Application August 16, 1933, Serial No. 685,462
1 Claim. (Cl. 268—70)

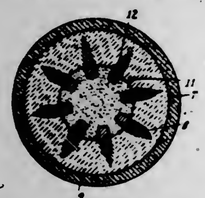
A double door operating device comprising a main lever pivotally mounted intermediate its ends and having the ends thereof angularly disposed and bifurcated and extending in opposite

directions to each other, links pivotally connected to the bifurcated ends of the levers and to swinging doors, spring means urging the lever in one direction for closing the doors, a rotatable member traversing the lever, and a pin car-



ried by said member to be moved by the latter to engage the lever at one of its angularly related ends to hold said lever against pivotal movement by the influence of said spring means for retaining the doors in an open position.

2,003,653
ELECTRIC FURNACE OPERATION
Paul Louis Joseph Miguet and Marcel Paul Perron, St. Julien de Maurienne, France
Continuation of application Serial No. 665,787, April 12, 1933. This application July 16, 1934, Serial No. 735,492. In France April 30, 1932
1 Claim. (Cl. 13—34)



The improvement in the operation of electric furnaces wherein the materials are charged in alternate vertical zones comprising in alternation a zone of a conductive mixture of all of the reducing material and only a part of the material to be reduced, and a zone comprising the remainder of the material to be reduced in the form of lenticular masses regularly spaced through the mass of the charge which comprises supplying current to the charge through electrodes of which the periphery is alternately composed of prebaked and unbaked segments, the unbaked segments being disposed opposite the portions of the charge free from lenticular masses and the prebaked segments being disposed opposite the lenticular masses.

2,003,654
SANITARY PAD AND BELT
Rebecca V. Poison, Kansas City, Mo.
Application March 3, 1933, Serial No. 659,511
1 Claim. (Cl. 128—289)

A sanitary pad and belt assembly comprising, in combination, a gauze belt to encircle the waist of the wearer; a flat tubular case of absorbent fabric having one end thereof stitched to said belt at a point substantially one-quarter the length of the said belt from one end thereof and in fully extended flat condition with the belt extending transversely across the tubular case; a loop formed at the other end of said flat tubular case by rebending a length thereof and stitching said end to the case along a line spaced inwardly from the end; a semi-rigid stiffening member between the turned back end and the case having the stitches passing therethrough, said stiffening member being greater in thickness than the said belt and extending the full width of said flat tubular case to preclude lateral gathering thereof at the said loop; and a pair of parallel spaced-apart



slits formed through that portion of the case forming the outer wall of the said loop and adapted to receive the belt when the assembly is worn whereby an inner smooth wall is against the wearer and accidental slipping longitudinally along the belt is precluded.

2,003,655
COMPOSITION OF MATTER
Ernest W. Reid, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 23, 1931, Serial No. 564,708
3 Claims. (Cl. 134—79)

2. The method of producing a lacquer composition highly resistant to deterioration upon prolonged standing, which method comprises preparing a mixture consisting of ethylene dichloride and isopropyl alcohol, and dissolving cellulose acetate therein.

2,003,656
CEMENT PRODUCT AND METHOD OF MAKING THE SAME
Howard R. Starke, Riverside, Calif., assignor to Riverside Cement Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application January 4, 1933, Serial No. 650,165
8 Claims. (Cl. 106—25)

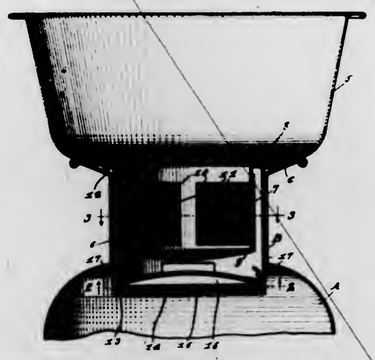
1. A cement product comprising a finely ground mixture containing Portland cement and also containing inert mineral material other than Portland cement and a very small proportion of oleaginous material, said inert mineral material and oleaginous material being interground with the Portland cement.

2,003,657
CAP FOR DRINKING GLASSES
Roy Irvin Stubblefield, Bloomington, Tex.
Application April 27, 1934, Serial No. 722,769
3 Claims. (Cl. 65—13)



2. A resilient cap for a drinking vessel adapted to cover the entire top of the vessel and having an annular rim completely encircling the top of the vessel and having a slit adjacent but spaced inwardly from its edge, said slit being normally closed and defining a lip yieldable to pressure from a drinker's lip to permit escape of the contents of the vessel.

2,003,658
STRAINER
Lawrence J. Thomas, Mount Angel, Oreg.
Application August 7, 1933, Serial No. 684,053
1 Claim. (Cl. 210—159)



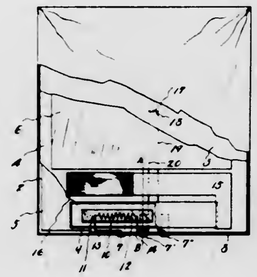
A strainer of the character described comprising a funnel-shaped body having a contracted neck provided with an open bottom, an inturned flange formed from said neck and concentric of its open bottom, filtering mediums resting upon said flange and superimposed one upon the other, a bowed member straddling the filtering mediums and having springy end portions frictionally engaging the internal surface of said neck, a removable cup-shaped strainer fitting said neck and of a diameter considerably less than the latter, the said body having an annular seat at the juncture of the neck therewith, and an outturned annular flange on said strainer and fitting said seat to have the upper end of the strainer flush with the inner surface of the said body, the strainer having spaced wire mesh screens fitted therewith.

2,003,659
HAT HOLDER
John C. Van Aken, Ridgway, Pa.
Application July 3, 1934, Serial No. 733,679
2 Claims. (Cl. 211—32)



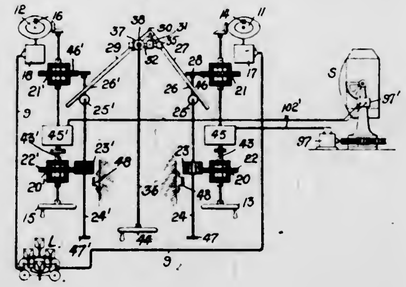
1. A holder of the character described comprising a forked frame having a hinge leaf extension provided with pintle sleeves, an attaching plate having pintle sleeves interfitted with the pintle sleeves on the extension, pintle members fitted within said pintle sleeves, a rod interfitting the pintle members, coiled springs having their outer ends attached to the pintle sleeves on the plate and their inner ends attached to one pintle sleeve on the extension, and cushioning buttons at the extremities of said forked frame.

2,003,660
SHEET FLASHER FOR TAKING PHOTOGRAPHS
Yohei Yamaguchi, Toshima-Ku, Tokyo, and Haruo Nakazawa, Kawanaka-Mura, Nishi-Kasugai-Gun, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan
Application April 25, 1933, Serial No. 667,892
In Japan March 17, 1932
4 Claims. (Cl. 102—21)



1. A sheet flasher for taking photographs, comprising a closed envelope, one of the two sides of which is a transparent yieldable member, the other side being a non-transparent sheet, means for producing oxygen gas contained in the envelope, a combustible metal member in the envelope and means for igniting the metal member in the presence of the oxygen gas produced in the envelope.

2,003,661
SEARCHLIGHT DIRECTOR
Preston R. Bassett, Rockville Centre, and Frank R. House, Baldwin Harbor, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 16, 1932, Serial No. 611,448
20 Claims. (Cl. 240—1.2)

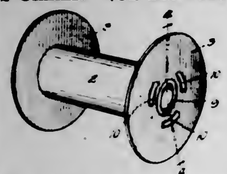


1. In a preliminary positioning system for searchlights, means for approximately locating a target by non-optical means, remote control means for directing the searchlight therefrom, and means for introducing at will within said directing means an additional to and fro motion to cause said searchlight to scan a predetermined area around said location until the target is picked up.

2,003,662
LIQUID MEDIUM FOR HEAT AND PRESSURE TRANSFER
Henry L. Cox, South Charleston, W. Va., and Leo J. Clapsadle, Buffalo, N. Y., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 16, 1930, Serial No. 482,370
3 Claims. (Cl. 252—5)

1. A substantially anhydrous liquid medium consisting essentially of ethylene glycol and diethylene glycol in the proportions of from about 40% to about 70% of diethylene glycol.

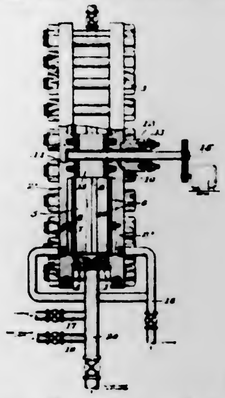
2,003,663
SPOOL
Elmer G. Ellstrom and William P. Hicks, Webster Groves, Mo., assignors to Sefton National Fibre Can Co., Maplewood, Mo., a corporation of Delaware
Application July 4, 1931, Serial No. 548,720
2 Claims. (Cl. 242—119)



1. A spool having only, in combination, an all paper stock spool hub having its ends provided with a plurality of cutaway portions to form three triangularly disposed arcuately shaped projections beyond the ends of the hub, an all paper stock tubular core longitudinally disposed within the hub and of a length equal in length to the hub and its projections, a pair of all paper stock spool flanges, said flanges each having three triangularly disposed arcuately shaped slotted openings to receive the hub projections which project beyond the outer faces of the spool flanges, said flanges each having a central opening to receive the ends of the tubular core and which ends project beyond the outer faces of the spool flanges the same distance as the hub projections, and said hub projections and the projecting ends of the tubular core adapted to be turned outwardly to form flanges engaging the outer faces of the spool flanges for locking the spool flanges on the hub projections and on the ends of the tubular core.

2,003,664
FILTRATION OF WAX FROM OIL
Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine
Application January 11, 1932, Serial No. 585,844
2 Claims. (Cl. 196—19)

1. In the method of removing solid paraffin from hydrocarbon oil by filtration under pressure at low temperature, the steps comprising mixing the oil with acetone and benzol in proportions sufficient to exert a selective action as between oil and wax at temperatures of the order of 0° F., chilling the mixture to solidify the wax constituents, introducing the mixture of oil and solvent containing solid hydrocarbons to a closed zone of filtration, subjecting the mixture to moderate stirring within said zone sufficient to substantially prevent gravity settling of solids from the filtering solution, removing the mother liquor of liquid hydrocarbons and solvent as a filtrate and forming a filter cake of solid hydrocarbons, stopping the flow of cold mixture to the filtration zone when a cake of desired thickness is formed, introducing fresh acetone and benzol mixture as a washing liquid to the zone of filtration to displace the remaining mother liquor and to wash the cake, removing the wash solution, thereafter filling said zone of filtration with acetone and benzol mixture, subjecting the solvent to relatively more rapid and violent stirring to thereby dislodge the filter cake and form with the solvent a slurry, and withdrawing the slurry from said zone of filtration.



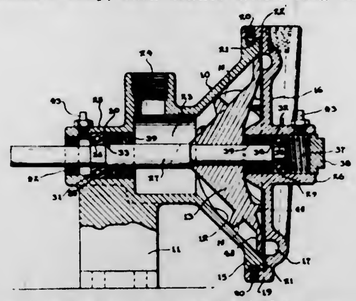
2,003,665
PRESSER-FOOT FOR SEWING MACHINES
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 16, 1934, Serial No. 706,807
12 Claims. (Cl. 112—151)



1. The combination with stitch-forming mechanism including a reciprocatory needle, of a presser-foot comprising a shank provided with an aperture extending from front to back for guiding a cord from a point in rear of the needle to the needle, a sole-plate formed with a needle-opening carried by said shank, and a shirring foot carried by said sole-plate, whereby the work may be shirred and corded concomitantly.

2,003,666
PUMP
Charles H. Moneypenny, Detroit, Mich.
Application May 5, 1932, Serial No. 609,462
3 Claims. (Cl. 103—89)

1. A pump impeller comprising a conical body portion, substantially spiral blades formed with said body portion, each of said blades comprising an arcuate portion beginning adjacent the apex of said body and extending in an arcuate path around one-half the circumference of said body portion to the base thereof, said arcuate portion of each of said blades passing through a point one-half of the circumferential distance between the terminals thereof and one-half the height of the conical body, said blades when laid in flat

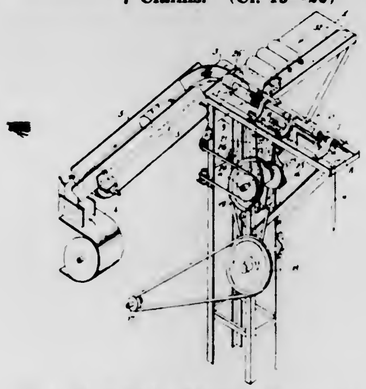


pattern forming an arc one-half the circumference of a true circle.

2,003,667
DEWAXING HYDROCARBON OIL
Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1933, Serial No. 696,535
7 Claims. (Cl. 196—19)

1. The method of dewaxing wax-bearing mineral oil comprising mixing the oil with a solvent liquid selected from the group consisting of the cyclic ketones containing from four to about seven carbon atoms, in such proportion that at temperatures of around 0° F., the liquid constituents of the oil are substantially completely soluble, and the solid constituents are substantially insoluble in the mixture, chilling the mixture to a temperature at which the wax is precipitated, removing the thus precipitated wax, and recovering the solvent from the resulting dewaxed oil.

2,003,668
APPARATUS FOR CLEANING BOTTLES
Paul S. Pittenger, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application March 16, 1931, Serial No. 522,927
7 Claims. (Cl. 15—20)



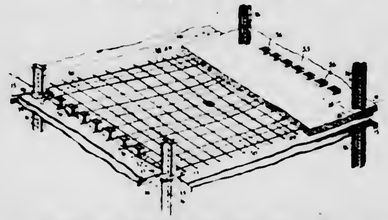
1. In a bottle-treating machine, an ejector-head adapted to receive the mouth of a bottle, an air tube, an operating lever connected with the air tube and adapted to move it in and out of the bottle, an operating lever connected with the ejector-head and adapted to move it in a horizontal position and to eject the bottle from the machine, a cam shaft, and cams on the shaft for actuating the operating levers.

2,003,669
DOOR CLOSER
Robert S. Potter, Greenwich, Conn., assignor to The Yale & Towne Mfg. Co., Stamford, Conn., a corporation of Connecticut
Application February 4, 1932, Serial No. 590,879
4 Claims. (Cl. 16—51)



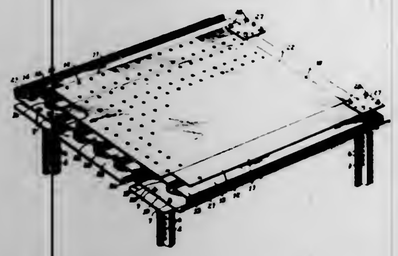
2. A door closer having upper and lower chambers separated by a plate, a shaft traversing said chambers and having a bearing in each of them, a pair of pinions on said shaft, one carried in each of said chambers, a pair of oppositely spring pressed racks cooperable with opposite sides of said upper chamber pinion, and a rack carrying a check mechanism cooperable with said lower chamber pinion.

2,003,670
BOOK STACK
Robert C. Walker, Scarsdale, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application April 5, 1933, Serial No. 664,575
15 Claims. (Cl. 72—1)



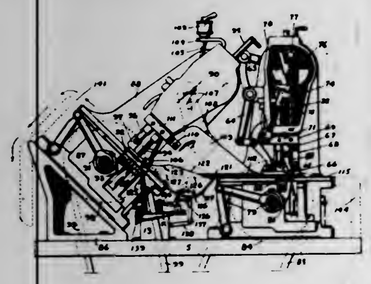
1. In a library stack construction, the combination of a plurality of foundation plates formed with positioning lugs, said plates being mounted in co-planar relation and spaced predetermined distances apart both longitudinally and transversely in rows to fix the spacing of stack columns, a plurality of stack columns of substantially uniform dimension, each having a top plate on one end and a bottom plate at the other end, each top plate being provided with a plurality of positioning lugs corresponding to the positioning lugs on a foundation plate, each base plate having openings to receive said lugs, said lugs cooperating to interlock each lower stack column with one of said foundation plates, and each stack column above the lower columns with the top plates of an adjacent stack column extending between adjacent floors, gauge bars connecting the top plates of adjacent stack columns in both directions in said longitudinally and transversely arranged rows of columns at each floor level and retaining said columns in predetermined spaced relation in the stack, independent reinforcing webs extending longitudinally and transversely between said columns in superposed relation to each other and supported on said gauge bars, and concrete floors embedding said webs and gauge bars reinforced thereby, and extending between columns in alignment with said top plates.

2,003,671
BOOK STACK CONSTRUCTION
Robert C. Walker, Scarsdale, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application April 5, 1933, Serial No. 664,576
11 Claims. (Cl. 72—1)



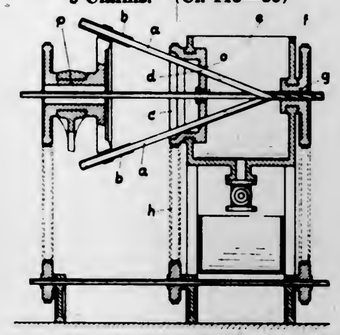
1. A library stack, comprising a plurality of vertically spaced floors, each floor having a plurality of metal floor sections formed on the marginal portions for interfitting interlocking cooperation with adjacent marginal portions of adjacent floor sections, a plurality of stack column members extending between and supporting said floors and arranged in rows longitudinally and transversely, said stack column members being in vertically aligned relation, load carrying means on the floors extending between the ends of aligned column members on opposite sides thereof, and foundation plates mounted in horizontal coplanar and predetermined spaced relation, said plates receiving and supporting the lower ends of the lowermost column members and providing a base for supporting the library stack and predetermining stack column position.

2,003,672
SEWING MACHINE FOR STITCHING MULTIPLE SEAMS
John P. Weis, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a corporation of Delaware
Application January 5, 1933, Serial No. 650,248
36 Claims. (Cl. 112—2)



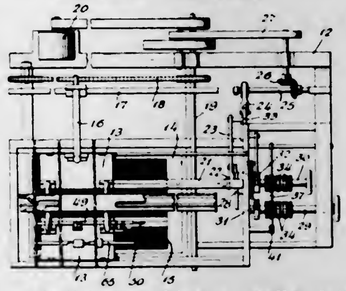
1. In a machine for sewing multiple seams, the combination of means for feeding and stitching superposed plies of material with a line of stitches, means for then separating the plies and reversing one of them, means for then feeding the spread-apart plies at an angle to the first direction of feed, and means for stitching the same margins with parallel rows of stitches.

2,003,673
MACHINE FOR MANUFACTURING MOISTUREPROOF CABLE COVERINGS
Georg Zapf, Cologne, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Original application March 25, 1931, Serial No. 525,297. Divided and this application January 16, 1933, Serial No. 652,088. In Germany April 15, 1930
5 Claims. (Cl. 113—35)



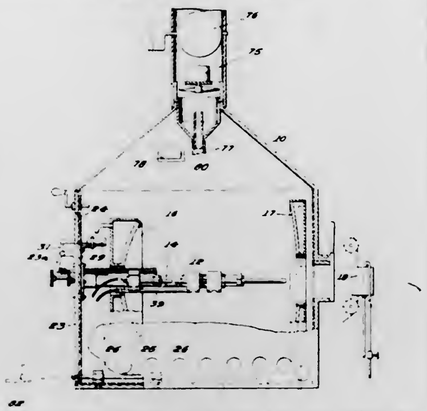
1. A machine for manufacturing a cable covering, which surrounds the core of an electric cable so as to protect it from moisture, comprising a revolving frame carrying several reels adapted to receive flat bands, means for folding the bands to an acute angle and a single container in which the twisting of the said folded bands around the core of the cable takes place.

2,003,674
KNITTING MACHINE
Michael Zimic, Forest Hills West, N. Y.
Application September 25, 1933, Serial No. 690,818
5 Claims. (Cl. 66—63)



1. In a knitting machine, a needle plate for receiving needle jacks having long and short butts, a carriage movable along said needle plate, a lock mechanism on said carriage having means to direct said jacks along a certain course as said carriage is moved, a lock element adjustable to a plurality of positions relative to said course, an operating mechanism for said element including a bar slidably mounted on said carriage and operatively connected to said lock element, a trip device for said bar having a series of positions each corresponding to one of the positions of said lock element and in certain of which the same is directly contacted by said bar to slide the latter relative to said carriage, and coordinated abutments linked to said bar and contacting said trip device in one of its positions to produce a different sliding movement of said bar.

2,003,675
HIGH INTENSITY MULTIPLE AUTOMATIC ARC LAMP
Frederick A. Berg, Chicago, Ill.
Application February 3, 1930, Serial No. 425,440
17 Claims. (Cl. 176—51)



1. A multiple high intensity arc including an elliptical reflecting focusing mirror, the arcs being positioned at the focal points of the mirror and mounted on a support projecting through an opening in the center of the mirror, said support comprising a tube and carbon supporting and feed means mounted in conjunction with the tube, the negative carbon feed positioned outside the tube and the positive carbon feed drive extending inside the tube to the outer end thereof.

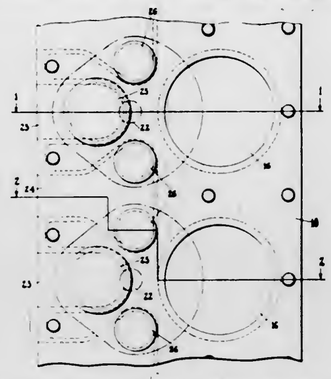
2,003,676
CABLE CONNECTER
William A. Bonnell, New York, N. Y.
Application January 27, 1931, Serial No. 511,515
3 Claims. (Cl. 247—25)



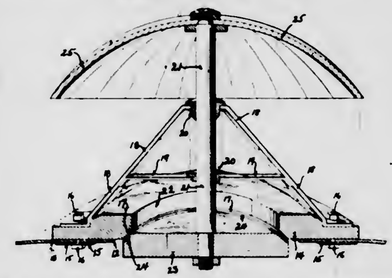
1. A cable connecter comprising a hollow body having opposite ends and a clamp member fulcrumed to said body, said clamp member having oppositely directed ends, one of said ends being angularly disposed to provide a jaw extending over an end of the hollow body, the other end of said clamp member being angularly directed for fulcrum engagement with the edge of an outlet box opening to secure the hollow body therein.

2,003,677
INTERNAL COMBUSTION ENGINE
Harold D. Church, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1931, Serial No. 515,910
2 Claims. (Cl. 123—191)

1. In an internal combustion engine of the L-head type, the combination of a cylinder, a piston in said cylinder, an inlet conduit leading into said engine and communicating with the interior of said engine through an inlet port opening, a pair of exhaust conduits leading into said engine each communicating with the interior of said engine through an exhaust port opening, the aforesaid inlet port opening and exhaust port openings being closely aggrouped about said cylinder at one side thereof in the form of a triangle with two of said port openings disposed adjacent the cylinder, the other of said port openings being located so as to extend between the port openings adjacent the cylinder, a compact combustion chamber encompassing the aforesaid port openings in close relationship thereto and communicating with said cylinder, ignition means associated with said combustion chamber, poppet valves for controlling the aforesaid port openings, and means for operating said valves.

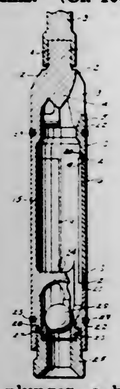


2,003,678
VACUUM RELIEF VALVE
Jared F. Cilley, Wadhams, N. Y.
Application October 30, 1931, Serial No. 572,051
1 Claim. (Cl. 137—69)



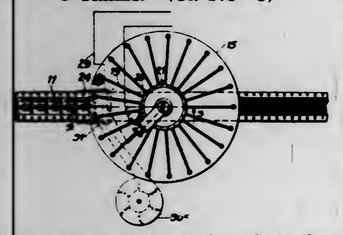
A vacuum relief valve adapted to relieve vacuum within a penstock having an orifice which is controlled by said valve, an external saddle member riding on said penstock over the orifice, a valve seat on the inner side of said saddle member, a valve member for engaging said valve seat, a valve stem for carrying said valve member, a plurality of strut members, bearings carried by said strut members for guiding said valve stem, a reinforcing ring and means for securing said ring and the saddle member to the penstock on opposite sides thereof and the strut members to the saddle member, and an umbrella-like member secured to the free end of said valve stem, said member having its concave surface facing the penstock.

2,003,679
FLEXIBLE PUMP PLUNGER
Charles S. Crickmer, Dallas, Tex., and Harvey R. Standlee, Tulsa, Okla., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application November 30, 1931, Serial No. 577,944
9 Claims. (Cl. 103—225)



1. In a pump plunger, a hollow body having longitudinal openings and longitudinal expansible panels between said openings and co-extensive therewith, and co-acting expansible panels secured at each end in said openings, the panels having overlapping edges in contact forming liquid-tight joints.

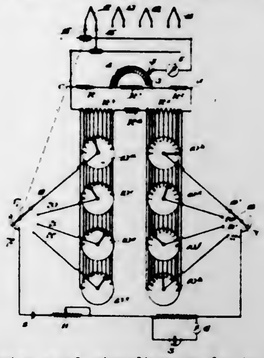
2,003,680
TELEVISION RECEIVING AND PROJECTING MEANS AND METHOD
Lee de Forest, Hollywood, Calif., assignor to American Television Laboratories, Inc., a corporation of Delaware
Application September 22, 1931, Serial No. 564,331
6 Claims. (Cl. 178—5)



3. In an apparatus of the class described, means for etching a normally transparent film comprising a source of high frequency current having modulations corresponding to the etchings to be produced on said film, a rotatable capillary electrode carrier, said electrode terminating above the lower end of said capillary, means for applying said modulated currents to said coating and said electrode, and means for rotating said carrier and for moving said film in timed relation thereto.

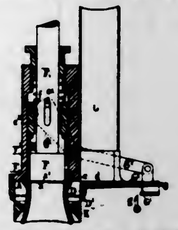
2,003,681
MEASURING APPARATUS
Edgar D. Doyle, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1930, Serial No. 423,923
17 Claims. (Cl. 73—32)

8. A pyrometer system comprising a self-balancing calibrated potentiometer, a plurality of thermo-couples, motive means for the self-balancing mechanism of said potentiometer, means actuated by said motive means selectively to include said thermo-couples in circuit with said



potentiometer and simultaneously to vary the calibration of said potentiometer proportionally to the ratio of the potentials of said thermo-couples for the same temperature.

2,003,682
CAPPING OF BOTTLES AND AN APPARATUS THEREFOR
Arthur Guy Enock, Wembley Park, England, assignor to Auto Dairy Pioneers Limited, London, England
Application October 14, 1931, Serial No. 568,837
In Great Britain November 4, 1930
4 Claims. (Cl. 226—80)



1. Apparatus for capping bottles comprising rollers to feed forward a strip of flexible capping material, dies to puncture or partially sever the material into cap pieces, apertured guide plates to grip the strip of material, a reciprocating die to hold the material upon the bottle lip and a plunger to force the cap piece in a well-like depression into the bottle mouth and means to raise the bottles into position to receive the caps.

2,003,683
CHILD'S GARMENT
David S. Foodem, New York, N. Y.
Application June 20, 1933, Serial No. 676,607
2 Claims. (Cl. 2—227)

1. A child's unitary garment consisting of a waist portion and leg portions, the waist portion being shaped to conform to the corresponding front and back portions of the body of the child, the back of the waist portion having a slit extending substantially centrally from the top edge of the waist portion to the crotch and along the same substantially to the front face of the waist portion to provide equal rear flaps when the slit is open, means for releasably closing said slit,

and the waist portion having elastic means extending along said top edge, whereby to pull the



flaps frontward on opening said means, to afford full exposure of the adjacent part of the child's body.

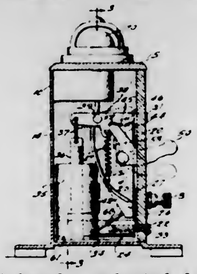
2,003,684
INCENSE
Emile Frantz, San Francisco, Calif.
No Drawing. Application January 27, 1934, Serial No. 708,697
8 Claims. (Cl. 167—94)

3. An incense consisting of a solid piece of slowly combustible material consisting of the ground pods and caps of eucalyptus trees molded to form.

2,003,685
ALUMINUM BRASS ALLOY
John R. Freeman, Jr., Cheshire, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application October 30, 1934, Serial No. 750,675
8 Claims. (Cl. 75—1)

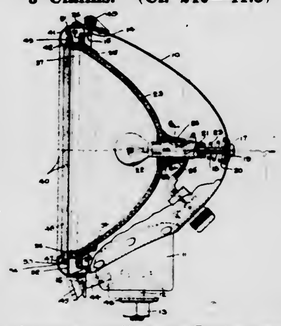
1. A brass alloy containing from about 70% to 85% copper, 0.5% to 6.0% aluminum, 0.005% to 0.5% arsenic, and the remainder zinc.

2,003,686
CIRCUIT BREAKER
Charles V. Glaimo, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 26, 1931, Serial No. 525,363
4 Claims. (Cl. 200—106)



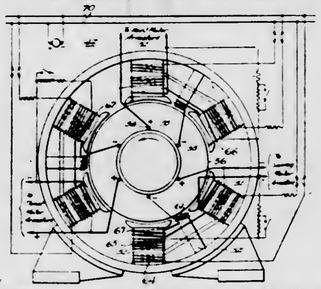
1. A circuit breaker adapted for low voltage circuits comprising an insulating plate, a conducting frame secured to one face of the plate, a contact secured adjacent the frame, a solenoid coil supported from the frame and connected at one end to the frame, an armature core movably carried in the coil, a switching member pivotally secured to the frame and having a free end engageable with the contact to complete a circuit from the contact through the switching member, frame and coil, a manually operable lever pivotally carried by the frame for actuating the switching member, a latching lever connected to the armature and cooperable with the switching members to hold it in closed position, and a spring between the switching member and the latching lever, the spring holding the latching lever in position to hold the switching member in closed position and pulling the switching member away from the contact.

2,003,687
HEADLIGHT
Herbert J. Graham, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 25, 1931, Serial No. 583,157
3 Claims. (Cl. 240—41.5)



1. In a lamp, a unitary reflector assembly including a glass reflector and a mounting therefor, said mounting comprising a pair of ring members having radially extending flanges secured together in flatwise relation, said members being provided with relatively divergent portions to provide an annular seat within which the peripheral edge of the reflector is received, one of said divergent portions being provided with a flange extending axially in advance of the reflector for supporting a cushioning gasket, and a frontal closure for the lamp having a lens-equipped frame adapted to embrace said mounting with the lens thereof in abutting relation with respect to said gasket.

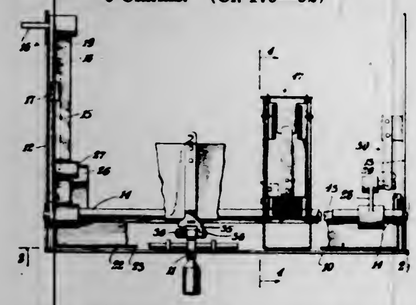
2,003,688
POWER-SUPPLY SYSTEM FOR ELECTRIC SHOVELS AND THE LIKE
Clarence B. Hathaway, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application June 16, 1930, Serial No. 461,333
20 Claims. (Cl. 172—239)



1. In a machine having a hoist motion and a swing motion, a direct-current electric motor for each of these motions, in combination with a prime-mover and a multi-circuit multi-polar direct-current generator mechanically connected

together and mounted upon the swinging part of said machine, said generator having a multiple-wound armature without cross-connections, and having a plurality of pairs of main field poles, and having a plurality of circuits taken off from said armature, means for independently varying the direction and the magnitude of the excitation of the poles corresponding to at least some of said circuits, and means for constantly connecting the armature of at least one of said motors across at least one of said circuits, characterized by the fact that the armature winding is chorded to a pitch which is at least one full slot different from full pitch.

2,003,689
AUTOMATIC SIGNAL LOCK AND RELEASE FOR SWITCHBOARDS
Henry Koch, Jamaica, N. Y., assignor to Dictograph Products Company Inc., New York, N. Y., a corporation of Delaware
Application August 11, 1932, Serial No. 628,291
6 Claims. (Cl. 179—92)



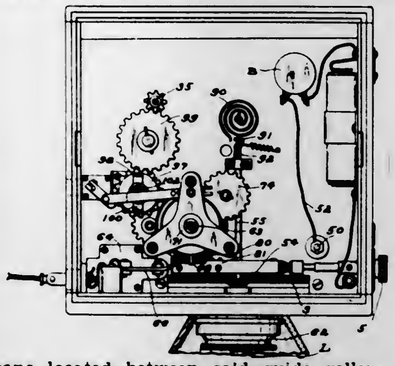
1. In a telephone device, the combination with an incoming circuit having a magnetic coil connected therein when the receiver is in position on the receiver support, and a magnetic coil armature, of a visual signal adapted to be moved to a display position by said armature when said magnetic coil is energized, a biased fastening device to maintain said signal in a display position operable only when the receiver is in position on the receiver support, and means to return said fastening device to and hold it in an inoperable position when the receiver is removed from its support.

2,003,690
TOBACCO PRODUCT
Lucy O. Lewton, Portchester, N. Y.
No Drawing. Application March 28, 1933, Serial No. 663,173
8 Claims. (Cl. 131—31)

2. A new article of manufacture comprising a smoking tobacco having uniformly incorporated therewith an oxidizing agent of the mixed ferrous-, ferric-oxide type sufficient to and capable of yielding substantially all of its oxygen to afford more complete combustion of aldehyde, acrolein and other products of incomplete combustion and of forming a metallic element capable of fixing alkaloid bases of the pyridine type formed during the smoking.

2,003,691
MEANS FOR PHOTOGRAPHIC COPYING
Carl E. Lundberg, Seattle, Wash.
Application November 17, 1930, Serial No. 496,196
5 Claims. (Cl. 95—34)

1. In a photographic copying device employing a movable sensitized film, the combination of a case having a pair of separated chambers, a film feeding reel in one chamber and a take up roll in the other chamber, means for operating the take up roll, spaced guide rollers for the film,



means located between said guide rollers for varying the length of film to be exposed, and a spring pressed roller co-acting with each guide roller for retaining the film on said rollers.

2,003,692
DENTAL APPLIANCE
James E. Meadows, San Francisco, Calif.
Application April 16, 1934, Serial No. 720,700
2 Claims. (Cl. 32—19)



1. A dental appliance comprising a pair of arms pivotally connected at one end, each of said arms being provided with a pivotal joint at a point intermediate its ends the pivotal joints being equi-distant from the pivot connecting the ends of the arms whereby each of said arms comprises an inner section pivotally connected at an end to an end of the inner section of the opposite arm and an outer section pivotally connected to the free end of each inner section respectively, a pair of mouth trays on the free outer ends of the outer sections of the arms, means whereby the arms are controlled for simultaneous pivotal movement comprising a pair of links pivotally connected at one end and each link pivotally connected at its opposite end to one of the outer sections of the arms respectively, and a member provided with elongated slots in longitudinal alignment, said slots arranged and adapted to slidably receive the pivot connecting the ends of the inner sections of the arms and also the pivot connecting the ends of the links for slidable movement of both pivots longitudinally of the slots.

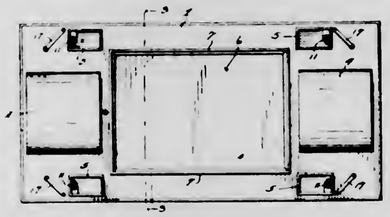
2,003,693
TYPOGRAPHICAL SLUG
Walter W. Morey, Wilmette, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill., a corporation of Delaware
Application June 20, 1931, Serial No. 545,774
4 Claims. (Cl. 101—374)

3. In the typographical slug-casting art, a slug adapted to be associated with a pre-set slug, said first named slug comprising a portion integral thereto, the conjunction of said portion and said first named slug being of reduced dimension whereby when said first named slug is assembled



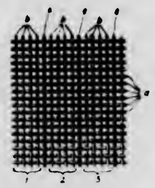
in printing relation with said pre-set slug said portion is severed by the cooperation of the adjacent edge of said pre-set slug with said portion.

2,003,694
SELF-DUMPING SCOW
John Kimball Munson, Olympia, Wash.
Application August 15, 1933, Serial No. 685,215
3 Claims. (Cl. 114—38)



1. A self-dumping scow having a top deck and a bottom, an inner deck within the scow extending from one end to the other and spaced from the bottom of the scow to position said lower deck slightly above the no-load water line of the scow, an upstanding enclosure carried by the top deck to provide a top cargo space, air tanks mounted upon the top deck fore and aft of the enclosure, panels depending from the top deck and spaced from the side walls of the scow to provide pockets to catch water as the scow rolls over to an inverted position, said panels terminating at a point substantially midway between the top deck and the inner deck, and flood lines mounted upon the inner deck at opposite sides of the scow and adjacent to the opposite ends thereof, said flood lines having their induction ends above the water line when the scow is substantially free of load, said flood lines having swinging sections within the scow adjustable from a substantially horizontal position to a substantially vertical position and means for swinging said sections, said air tanks being aligned lengthwise of the scow and positioned substantially at the transverse center thereof.

2,003,695
WOVEN WIRE FABRIC
Joseph O'Neill, Port Chester, N. Y.
Application August 6, 1932, Serial No. 627,785
7 Claims. (Cl. 139—425)

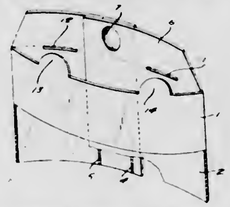


1. Paper-making and paper pulp treating woven wire fabric having warp wires of an alloy including copper, manganese and silicon.

2,003,696
UTILIZATION OF COTTON PLANT CELLULOSE
Gideon Howard Palmer, East Orange, N. J.
No Drawing. Original application May 27, 1933, Serial No. 673,309. Divided and this application March 26, 1934, Serial No. 717,433
7 Claims. (Cl. 260—100)

1. A process for the manufacture of viscose from alpha cellulose obtained from purified cotton plant (from which the cotton has been removed), comprising immersing the cellulose in an alkaline solution of about 18.4 per cent sodium hydroxide at about 17.5° for less than 1.5 hours, removing excess alkali solution until the alkali cellulose weighs about 2.85 times the weight of the original cellulose taken, shredding to a predetermined particle size, at about 17°, xanthating in a rotating container with carbon bisulfide, dissolving the xanthated cellulose in sodium hydroxide solution until said solution has a cellulosic content of about 6%–8% and alkalinity of about 6.5%, then ripening at about 19° until the desired degree has been obtained.

2,003,697
PAPER BAG CONSTRUCTION
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application August 12, 1933, Serial No. 684,775
4 Claims. (Cl. 229—54)



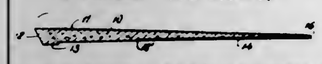
1. A paper bag having a front wall, a tab formed as a prolongation thereof, a rear wall having overlapped plies forming a wide seam, paste lines near the edges of the seam and a slit in the rear wall through which said tab may be passed to close the mouth of the bag, said slit being between the paste lines.

2,003,698
METHOD OF AND APPARATUS FOR SEPARATING SHEETS FROM STACKS THEREOF
Joseph P. Remington, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1932, Serial No. 594,194
24 Claims. (Cl. 271—25)



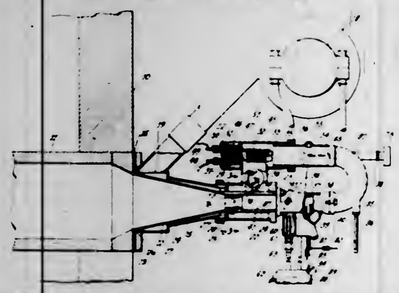
1. A method of separating one sheet at a time from a stack of limp sheets, which comprises reducing the adhesion between the top sheet and its neighboring sheet beginning adjacent an end of the top sheet and progressing in zones toward the other end of said top sheet, and adjacent said other end picking up and removing the top sheet from the stack, without substantial disturbance of said neighboring sheet.

2,003,699
ROOFING PRODUCT
Thomas Robinson, Goldenbridge, N. Y., assignor to Lancaster Asphalt, Inc., New York, N. Y., a corporation of Delaware
Application September 12, 1930, Serial No. 481,412
2 Claims. (Cl. 108—8)



1. A roofing element which comprises a plate-like body of hardened plastic material, said body having its sides and butt edge undercut, a stiffening rib formed in the body of said plastic material extending transversely of the body along the butt edge and on one surface of the body only and a reinforcing web of fibrous material on the said surface extending from side to side and from the front edge to slightly beyond the central portion of said surface, said web being permanently united to the said body.

2,003,700
OIL BURNER
Jerome J. Sloyan, Red Bank, N. J.
Application December 13, 1930, Serial No. 502,055
4 Claims. (Cl. 158—76)

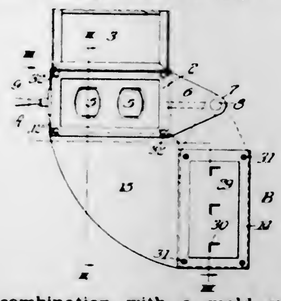


1. In a device for burning fuel, a mixing chamber for air and said fuel, a combustion chamber for burning a mixture of said air and fuel, an air passageway in heat exchange relationship with said combustion chamber, a Venturi metering and mixing device for said fuel and air arranged in direct communication with said passageway so that the air flowing through said passageway and subject to the heat of said combustion chamber is the only air available and the only air used for operating, and carrying the resulting air and fuel mixture from, the metering and mixing device, a second venturi adjacent said combustion chamber and provided with associated ignition means, said last named venturi being adapted to prevent the passage of a flame therethrough, said venturis being substantially spaced from each other and said mixing chamber being arranged therebetween.

2,003,701
OIL WELL DRILLING MUD
Thane K. Stinson, East St. Louis, Ill., assignor to Geo. S. Mepham Corporation, East St. Louis, Ill., a corporation of Delaware
No Drawing. Application February 19, 1935, Serial No. 7,176
6 Claims. (Cl. 255—1)

1. A compound for use in a drilling mud for oil and gas wells consisting of 90% to 98% of bentonite in combination with 2% to 10% of a flaky, cellular material, such as iron oxide.

2,003,702
CONCRETE BLOCK MAKING APPARATUS
Francis J. Straub, New Kensington, Pa.
Application September 5, 1933, Serial No. 688,113
5 Claims. (Cl. 25—41)

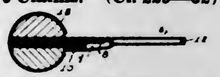


2. In combination with a mold supporting trackway and a horizontally supported mold box movable thereover, a depressible platform providing a support for a pallet flush with the trackway, reciprocable ejecting mechanism provided with a pressing plate and thrust rods normally elevated to admit of mold box placement thereunder and upon the pallet, means for lowering the ejecting mechanism to bring the plate into contact with the mold contents and the thrust rods into contact with the pallet, and means opposing downward pressure on the platform adapted to raise it to normal position after ejection of the mold contents and removal of the mold.

2,003,703
BENZYL PIPERIDINE-1-CARBOTHIONOLATE AND PROCESS OF PREPARING THE SAME
Douglas Frank Twiss, Sutton Coldfield, and Frederick Arthur Jones, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
No Drawing. Application February 17, 1931, Serial No. 516,510. In Great Britain February 22, 1930
2 Claims. (Cl. 260—43)

1. Benzyl piperidine-1-carbothionolate.

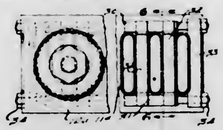
2,003,704
MOTHPROOF BAG
Joseph William Wensell, El Monte, Calif.
Application January 17, 1934, Serial No. 706,905
10 Claims. (Cl. 229—62)



1. As an article of manufacture a bag having an open edge, half-round wooden strips oppositely positioned externally of said bag adjacent to and co-extensive of the open edge; said bag formed with a flap pocket underlying said strips, a resilient flap to said bag co-extensive of the open edge and disposed to be folded over the open edge of said bag and inserted in said pocket, and slotted tubes fitting slidably over said strips to clamp opposed strips together.

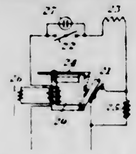
2,003,705
HEAT EXCHANGER SECTION
James Whiteley, Detroit, Mich.
Application April 25, 1934, Serial No. 722,402
1 Claim. (Cl. 257—230)

A heater section for use in boilers, fuel economizers and the like comprising a pair of headers, a series of tubes opening at opposite ends to the respective headers, a series of plates separating the tubes and lying in contact with the side walls thereof and in spaced relation longitudinally of the tubes between the headers, and



means for applying pressure to the series of plates and interposed tubes whereby the plates through contact with the side walls of the tube under pressure prevent deformation of the tubes through internal pressure.

2,003,706
ELECTRIC SIGNAL AND CONTROL DEVICE
Charles B. Bartley, Pittsburgh, Pa.
Application February 26, 1931, Serial No. 518,387
2 Claims. (Cl. 175—294)



1. A device for protecting a circuit from excessive overload comprising a magnetic core having a movable armature adapted to close the core, a primary exciter winding on said core adapted to be connected in series with the load on said circuit, said movable portion normally shunting a circuit adapted to be connected in series with the primary and load on movement of said portion, and a secondary winding on said core connected to a resistor of such value as to cause the primary winding to maintain sufficient excitation of said core to hold said movable portion attracted after it is once actuated by the building up of flux in the core due to increased current through said load.

2,003,707
HOSIERY FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application February 28, 1933, Serial No. 658,960
4 Claims. (Cl. 223—18.3)



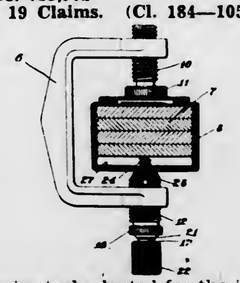
2. A flexible celluloid hosiery form closed at the foot, said form being made from a tube and having unitary leg and foot portions, a single seam, where the wall of the tube is joined, at the sole of the foot portion, and a thimble projecting from the upper end and of smaller diameter than the form proper, by means of which the form may be supported.

2,003,708
TOOL FOR RESERVICING SPRINGS EQUIPPED WITH SPRING-COVERS
Warren F. Eisenhauer, Cambridge, Mass., assignor to Anderson Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application June 20, 1934, Serial No. 731,556
11 Claims. (Cl. 184—105)



1. A service tool, for re-servicing springs equipped with a spring-cover having a liner, comprising a body, an injection head extending from one end of said body providing a helical formation adapted to enter a hole formed in the cover permitting engagement of the liner and functioning to thread itself through the liner upon rotating the tool, a socket at the other end of the body adapted to retain a grease gun fitting, and said tool having a continuous grease duct from said socket through said injection head.

2,003,709
TOOL FOR RESERVICING SPRINGS EQUIPPED WITH SPRING-COVERS
Warren F. Eisenhauer, Cambridge, and Warren T. Ferguson, Waban, Mass., assignors to Anderson Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Continuation of application Serial No. 685,566, August 17, 1933. This application July 6, 1934, Serial No. 733,972
19 Claims. (Cl. 184—105)



1. A service tool adapted for the injection of a spring action stabilizing compound upon the leaves of a multiple leaf spring equipped with a spring-cover having an inner liner, comprising a sleeve, a hollow plunger held rotatably within said sleeve forming a compound-serving duct, and a head on said plunger characterized by a liner-piercing device for entering through the spring-cover and making a hole in the liner.

2,003,710
METAL BODY RESISTANT TO FLUCTUATING STRESSES
Herbert W. Graham and Samuel L. Case, Pittsburgh, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1933, Serial No. 663,155
5 Claims. (Cl. 285—146)

1. As a new manufacture, a drill pipe made of substantially non-aging steel, the drill pipe being

in the form of a hollow tube having a thickened end portion, which thickened end portion is

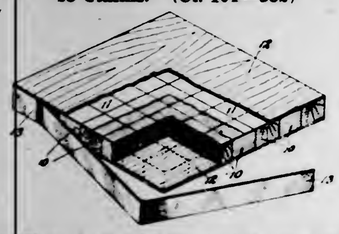


threaded, the threaded portion at least being cold worked.

2,003,711
METHOD OF TREATING LEAD SULPHIDE MINERAL
Fred E. Gregory, Galena, Kans., and Raymond L. Hallows, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application May 6, 1933, Serial No. 669,798
6 Claims. (Cl. 23—134)

1. The herein described method of removing iron and iron compounds, other than iron sulphides, from the surface and interstices of lead sulphide mineral, which consists in treating lead sulphide mineral by means of an acid selected from the group consisting of sulphuric acid, hydrochloric acid or nitric acid.

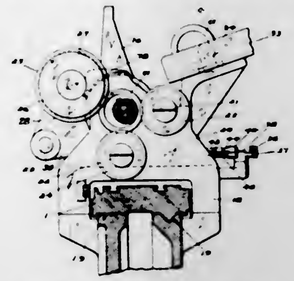
2,003,712
PRINTING PLATE BASE
Horace W. Hacker, La Grange, Ill.
Application June 21, 1934, Serial No. 731,737
18 Claims. (Cl. 101—382)



1. Lumber from which printing plate bases are to be cut, said lumber comprising a plurality of wood elements cemented together to form a slab, each of said elements having all its faces hermetically sealed.

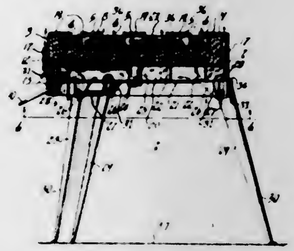
2,003,713
GRINDING MACHINE
Carle J. Highberg, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application March 31, 1928, Serial No. 266,287
26 Claims. (Cl. 51—48)

6. In a machine of the class described, work-holding and loading mechanism comprising a pair of rotatable rolls mounted on stationary axes, a third rotatable roll, a magazine adapted



to hold a plurality of workpieces, and means for moving said third roll to and from said magazine to guide a workpiece into operating position.

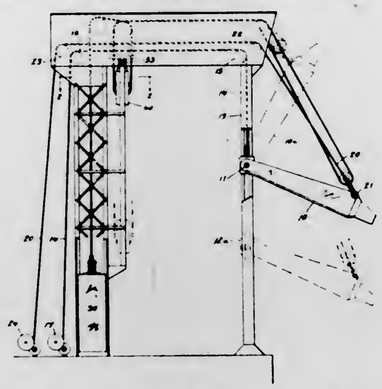
2,003,714
PORTABLE ELECTRIC HEATER
Gustave A. Johnson, Newark, N. J., assignor to Electrical Patent Holding Corporation, New York, N. Y., a corporation of New York
Application April 20, 1933, Serial No. 666,949
2 Claims. (Cl. 219—37)



2. In a portable electric heater of the character described having a heater unit, a casing for said heater unit, said casing being open at its top and bottom and having its side walls spaced outwardly from said heater unit, a bottom plate member fixed upon said heater unit in spaced relation with respect to the bottom of said heater unit, said bottom plate member substantially closing the bottom of said casing and having depending ears thereon, folding legs having their upper ends connected for pivotal and limited sliding movement upon said ears, said legs being arranged to be turned either radially inwardly into folded position upon said bottom plate member or outwardly for supporting said casing, said legs having slots thereon for receiving portions of said casing when said legs are in their out-turned positions to thereby lock said legs in supporting relation to said casing.

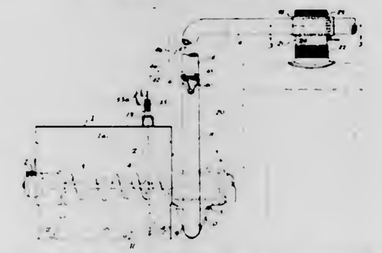
2,003,715
SYSTEM AND APPARATUS FOR REEVING COUNTERWEIGHT CABLES
Robert W. Kaltenbach, Cleveland Heights, Ohio
Application February 8, 1934, Serial No. 710,275
5 Claims. (Cl. 193—24)

1. In combination, a frame, a chute swivelly mounted thereon, two counterweights for the chute, a single cable connecting the chute and counterweights across the frame, the cable having its ends fixed and reeved into three loops, one of the loops supporting the chute, and the



other loops supporting the respective counterweights.

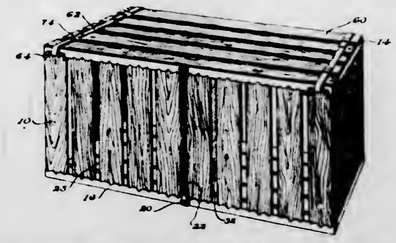
2,003,716
APPARATUS FOR CONVEYING AND CONDITIONING PULVERULENT MATERIAL
Edward J. Lauterbur and Frank X. Lauterbur, Sidney, Ohio, assignors to The Peerless Bread Machine Company, Sidney, Ohio, a corporation of Ohio
Application April 6, 1931, Serial No. 527,893
3 Claims. (Cl. 302—17)



1. In apparatus of the character described, a receptacle, supply means for pulverulent material, supply means for warm air, supply means for cold air, a blower receiving air from either one of said air supply means, and a conduit leading from said blower past said material supply means to said receptacle, and having an inlet from said material supply means and means causing air current from the blower to aspirate material from said supply means into said conduit, a thermostatic device near the path of travel of said material from said material supply means to said receptacle, and means whereby said thermostatic device varies the proportions of warm air and cold air supplied to said blower.

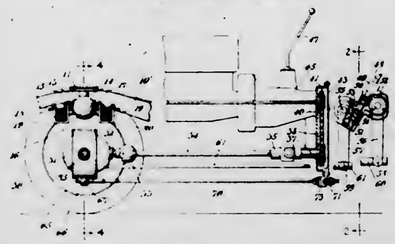
2,003,717
CRATE
George M. Leghorn, Winchester, Mass.
Application October 29, 1932, Serial No. 640,200
12 Claims. (Cl. 217—12)

1. A crate comprising side and end walls formed from a length of slatting which consists of parallel slats held in assembled relationship by one or more metal bands resting flatly upon the faces of the slats and locked thereto, and having flanged portions which stiffen and strengthen the bands when bent into predetermined form to prevent distortion of the walls of the crate, and having preformed portions



which cause bending of the bands to produce corners in predetermined regions at the juncture of the walls in a manner to provide a complete stiffened and reinforced wall when the length of slatting is bent into a four-walled closure.

2,003,718
FRONT WHEEL DRIVE
William McCarthy and George Wolff, Clifton, N. J.
Application May 2, 1934, Serial No. 723,500
3 Claims. (Cl. 180—42)

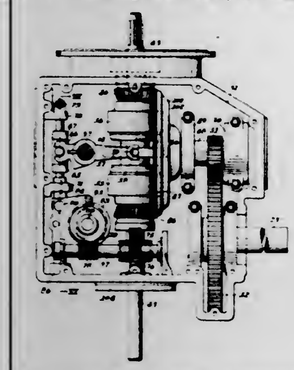


1. In a front drive for motor driven dirigible vehicles, an axle casing having road wheels secured at its ends, said casing enclosing wheel driving shafts, a differential casing integrally formed at the center of said casing and having drive elements therein, means for transmitting power from the vehicle motor to said differential mechanism, a pair of spaced cambered springs supported on blocks on said axle casing, a platform connecting said springs at their centers, said platform supporting a ball and socket, means carried by the ball and socket to support the forward end of the vehicle chassis, said support permitting universal movement between the chassis and the axle, and a stay rod having divergent arms slidably connected with the opposite sides of the vehicle chassis and connected at its other end to the axle by a universal joint.

2,003,719
AUTOMATIC REVERSING MECHANISM
Harold E. McCrery, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application March 23, 1931, Serial No. 524,506
2 Claims. (Cl. 74—324)

1. A reversing mechanism, comprising a driving shaft, a driven shaft, a ring gear secured to the driven shaft, two beveled gears rotatable on the driving shaft, said beveled gears meshing with the ring gear at opposite sides thereof, clutches for causing either one of said beveled gears to

rotate with the driving shaft, a pivoted clutch shift lever, a cam, gearing connected to the driving shaft for rotating the cam, a reciprocating



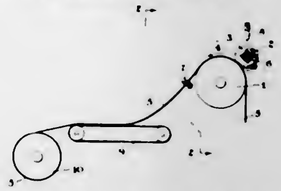
follower, a reciprocating yoke connected to one end of the shift lever, and a spring-pressed pin connecting said yoke and follower.

2,003,720
CLOSURE FOR VACUUM CLEANER BAGS
Jessie Walton Meek, Deer Park, Wash., assignor of one-half to Lena H. Walton, Deer Park, Wash.
Application February 27, 1933, Serial No. 658,873
1 Claim. (Cl. 150—3)



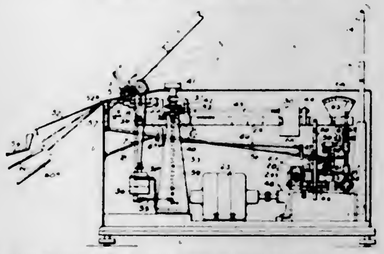
A vacuum cleaner bag having its lower end formed with a cleaner-engaging portion at one side of the bag, the upper end of the bag being open for the full width thereof and the bag being formed with a longitudinally extending slit extending from the open upper end of the bag through the entire length of the bag at the opposite side thereof from the cleaner-engaging portion, a removable clamp extending the entire width of the upper end of the bag for clamping the front and rear walls of the bag together and holding the upper end of the bag closed, closure means for the open side of the bag including actuating means movable downwardly away from the open upper end of the bag to open the bag at its side whereby the bag may be spread to a flattened condition for substantially its entire length and the inner surface of the bag thoroughly cleaned, and a sealing flap secured longitudinally of the bag against the inner face thereof and spanning the side slit when the side slit is closed.

2,003,721
MANUFACTURE OF THREADS OR STRIPS OF RUBBER OR THE LIKE
Ugo Pestalozza, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy
Application August 4, 1932, Serial No. 627,532
In Great Britain August 4, 1931
12 Claims. (Cl. 18—54)



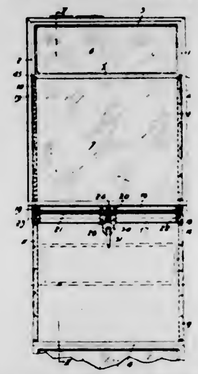
1. A process for the manufacture of elastic rubber threads or strips which comprises simultaneously cutting a plurality of threads or strips from a parent sheet of coherent pre-coagulated dispersion-rubber uniformly incorporating in its mass a large proportion of water, the freshly cut threads or strips being so supported in contact with one another side by side during their relative movement away from the cutting means as to be caused lightly by the adherence of their cut surfaces temporarily to re-unite into a unitary sheet for subsequent handling and treatment, and the freshly cut surfaces of the sheet being wetted with a liquid adapted to reduce the mutual adherence of the said surfaces.

2,003,722
MACHINE FOR AUTOMATICALLY SORTING PLATES OR OTHER ARTICLES ACCORDING TO WEIGHT
John Oliver Powell, Gorseinon, Swansea, South Wales
Application June 16, 1933, Serial No. 676,024
In Great Britain June 23, 1932
7 Claims. (Cl. 209—121)



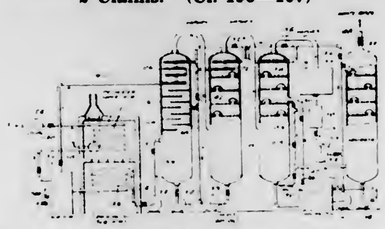
1. In apparatus for automatically sorting articles by weight, weighing means and a sorting device operated from the weighing means, means for selectively varying the predetermined correct weight of the articles to be sorted to which the apparatus will respond to sort those articles of approximately correct weight from the others and means for adjusting the percentage weight limit, said means for selectively varying the predetermined correct weight of the article to be sorted comprising a pair of spaced abutments, an arm pivotally depending from a part of the weighing apparatus which is moved to an extent proportional to the weight of the article being sorted, a blade carried by said arm and located opposite the space between said abutments, a shaft automatically set into rotation when an article is delivered to the apparatus for weighing, means with said shaft to move said arm towards the said abutments, the said blade being adapted to engage and displace one of said abutments if the article being weighed is above predetermined correct weight, and the other abutment if the article is below correct weight, and a deflecting device adjusted to various positions by the movement of said abutments to effect sorting of the articles.

2,003,723
WINDOW
Herman Gustaf Victor Rydahl, Viggbyholm, Sweden
Application January 22, 1934, Serial No. 707,764
In Sweden December 5, 1933
1 Claim. (Cl. 189—64)



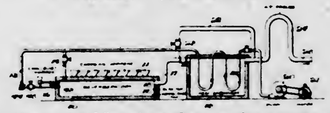
A window comprising a window frame built of channel iron, a pair of Z-bars secured with one set of end flanges to each vertical frame member with the middle flanges in alignment with each other and spaced from the channel iron and with the free end flanges spaced from each other in the median plane of the channel iron, a pair of racks guided in the spaces between the Z bars and the channel irons, a cross bar connecting the lower ends of the racks to form a sash frame, and a glass pane supported on said cross bar and guided in the spaces between the free end flanges of the Z bars.

2,003,724
APPARATUS FOR THE TREATMENT OF HYDROCARBON OILS
Willis F. Sims and Venus U. Cloer, Wichita Falls, Tex., assignors to Panhandle Refining Company, Wichita Falls, Tex., a corporation of Texas
Application March 4, 1931, Serial No. 520,074
2 Claims. (Cl. 196—107)



1. Apparatus for the treatment of hydrocarbon oils comprising in combination an initial heater adapted to retain pressure, a feed pump connected to the inlet of said heater and adapted to positively produce pressure therein sufficient to store up heat energy by substantially raising the boiling points of the oils, an expansion chamber or flashpot, a connecting pipe extending from the outlet of said initial heater to said flashpot and a valve in said pipe adapted to release the initially heated oils from said heater into said expansion chamber or flashpot, a still having an open connection to said flashpot adapted to receive the oil vapors therefrom, and means to heat the oils to cracking temperature in the vapor phase in said still, cooling and separating means connected through a suitable pipe line to the outlet of said cracking still to receive the cracked vapors therefrom, and a pump connected in said pipe line and adapted to positively create and maintain a constant vacuum or subatmospheric pressure on the oil vapors in said cracking still and through its open connection with the flashpot on the content of said flashpot.

2,003,725
PROTECTION OF METALLIC CONDUITS EXPOSED TO HIGH TEMPERATURES
Lewis B. Skinner, Denver, Colo.
Original application January 28, 1930, Serial No. 424,109, now Patent No. 1,959,086, dated May 15, 1934. Divided and this application February 27, 1934, Serial No. 713,224
6 Claims. (Cl. 23—262)



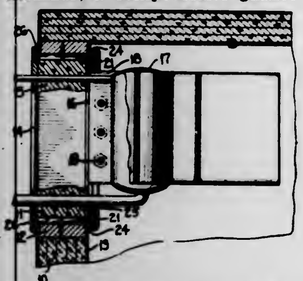
1. In the art of heat exchange by regeneration, the method which comprises preliminarily passing combustion gases carrying phosphorus pentoxide and flue dust from a phosphate treating furnace into contact with the outer surfaces of metal regenerator pipes, while controlling the heat in such manner as to prevent substantial destructive action on said metal pipes, until an adherent protective coating formed of phosphorus pentoxide and flue dust is deposited thereon, and then operating the furnace in such manner that the gases passing in contact with the coated pipes are at a temperature sufficiently higher to be destructive to unprotected metal pipes, and passing air for combustion through said coated pipes, the conditions of operation during and after the formation of said coating being such as to prevent said coating from building up to a thickness beyond that permissible for effective transfer of heat from the exterior to the interior of said pipes.

2. The combination, with a furnace, of a heat regenerator comprising a chamber into which gases are discharged from said furnace, and a metal conduit disposed in said chamber and arranged to conduct air for combustion through said chamber for supply to said furnace, said conduit having its outer surface protected by an adherent coating formed from phosphorus pentoxide and flue dust.

2,003,726
REFRIGERATOR SEALING STRIP
Robert S. Taylor, Evansville, Ind., assignor to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application November 14, 1930, Serial No. 495,553
4 Claims. (Cl. 20—35)

1. In a refrigerator cabinet including a wall having an aperture therein and a removable clo-

sure member within said aperture, a seal for the clearance space between the wall and said closure member and comprising a strip resiliently mounted around the edge of said aperture and overlapping both the wall around said aperture and said closure member, a compressible gasket between



said strip and the portion of the wall around said aperture overlapped by said strip, and a second compressible gasket between said strip and the edge of said closure member overlapped by said strip, said second gasket being secured to said strip.

2,003,727
MOUNTING FRAME FOR DENTAL ARTICULATORS
Benjamin F. Toffiemire, Berkeley, Calif.
Application March 6, 1934, Serial No. 714,303
6 Claims. (Cl. 32—32)

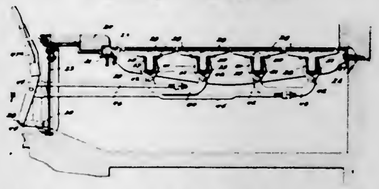
1. The combination with a dental articulator having an incisal guide pin with a groove therein indicating the occlusal plane, of a mounting plate, an occlusal plane indicator supporting the plate, said indicator being slidably mounted on the guide pin, securing means carried by the indicator for entering the groove for holding the indicator in the desired position, and adjustable supporting means for holding the plate in the desired position.

2,003,728
ROOFING MATERIAL
Hermann von Forster, Niederursel, near Frankfort-on-the-Main, Germany, and Samuel de Lange, Hilversum, Netherlands, assignors, by mesne assignments, to Gulf Research & Development Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 19, 1928, Serial No. 286,704
In Germany June 23, 1927
4 Claims. (Cl. 108—6)



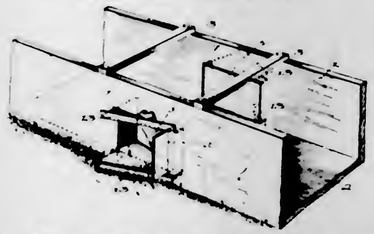
1. An object the surface of which carries a covering of corrosion proof metal in the form of a sheet of foil thickness and of sufficient mechanical strength to be handled without a supporting backing and to withstand the mechanical stresses to which it is subjected in normal use but of less thickness and mechanical strength than is required of sheet metal roofing applied without adhesive attachment to the under-structure, said covering being secured directly to said surface by means of an adhesive material, the metal covering having such inherent flexibility and the adhesive having such inherent plasticity as to be capable of relative movement under differential thermal expansion and contraction without separation from the surface or from the metal covering.

2,003,729
DUMPING GRATE
Charles A. Warg, Scranton, Pa., assignor to McClave-Brooks Company, Scranton, Pa., a corporation of Pennsylvania
Application March 13, 1928, Serial No. 261,361
11 Claims. (Cl. 308—24)



1. In a dumping grate, a frame including side bars formed with a plurality of spaced upwardly opening recesses, a removable bearing seated in each of said recesses and adapted to receive a grate bar journal, said side bars being formed with a pair of oppositely inclined slots at the sides of each recess, and a pair of cap plugs mounted in said slots adapted to hold the grate bar journal and also engaging the bearing and locking it in position.

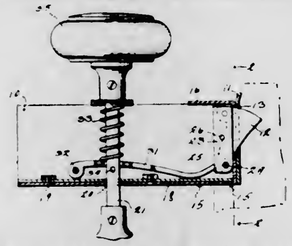
2,003,730
FLUME
Harry W. Baldwin, Hamakuapoko, Territory of Hawaii
Application November 13, 1934, Serial No. 752,878
10 Claims. (Cl. 61—14)



1. A flume having a side wall with an opening therein and a rotatable gate for closing said opening, said gate being rigidly provided adjacent one edge thereof with portions respectively overlapping opposite sides of said wall affording means pivotally associating the gate with the wall.

2,003,731
DOORLATCH
Rangvald C. Beito, Terrace, Minn.
Application November 24, 1934, Serial No. 754,677
3 Claims. (Cl. 292—221)

2. A door latch, comprising a housing, a bolt in the housing, a pair of links pivotally secured at one end to said bolt, a shaft extending transversely of the housing and pivotally engaging the other ends of the links, a laterally extending pin secured to one of said links and extending outwardly through a side of the housing, said housing being provided with an elongated opening in the side thereof through which the pin projects, a spring disposed about said shaft and having one end thereof engaged with the pin to urge



said bolt and links to locked position, a lever having one end thereof pivotally secured in the housing and the other or free end thereof engaging against the free end of the bolt and adapted to normally hold said free end of the bolt against inward swinging movement, and yieldable operating means slidable transversely of the housing and engaging the lever to rock the lever into released position.

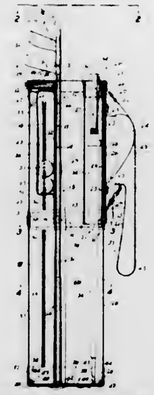
2,003,732
COUPLING FOR CANVAS TUBING
Frank M. Bins, Butte, Mont.
Application January 30, 1935, Serial No. 4,180
3 Claims. (Cl. 285—71)



1. A coupling, comprising an annular member formed of sheet metal and provided with interior circumferential parallel grooves of substantial V-shape cross-section; expansive spring rings having overlapping ends and of normally larger diameter than the internal diameter of the annulus; each ring being adapted to be engaged with a cuff formed at the end of a flexible tube section; the spring rings in the cuffs of adjacent tube sections being respectively wedged in the grooves in the annulus, whereby rings of various diameters will automatically contact with both walls of the grooves.

2,003,733
GOLF BAG
George E. Bishop, Cleveland Heights, Ohio
Application March 7, 1931, Serial No. 520,816
5 Claims. (Cl. 150—1.5)

1. A golf bag comprising a skeleton rigid frame for the upper part of the bag, said frame having an open-ended compartment of D cross-section, and a closed-end compartment of D cross-section, fabric material covering the sides of the frame and extending downwardly below the latter and having a closed bottom, and fabric partitions within the fabric material forming a plurality of compartments, a part of the skeleton frame consisting of a web member defining the two D-



sections, said web member being disposed adjacently beneath a part of one of said fabric partitions and forming a support for horizontally aligned clubs.

2,003,734
PROCESS OF TREATING CAUSTIC SODA SOLUTIONS
Harold Marland Broadhurst, Mossley Hill, Liverpool, England, assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application February 8, 1933, Serial No. 655,859. In Great Britain February 10, 1932
3 Claims. (Cl. 23—184)

1. The process of treating concentrated aqueous caustic soda solutions for the removal of sulphate therefrom, which comprises passing the solution through a filter-bed comprising a salt of carbonic acid to cause a reaction between the sulphate of the solution and the carbonate, and the formation of an insoluble salt containing said radicals whereby a clear solution of caustic soda of reduced sulphate content is obtained.

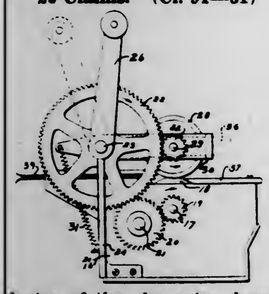
2,003,735
DISPLAY WINDOW
Gerald Brown, Barnes, London, and Edward Pollard, London, England
Application March 29, 1934, Serial No. 718,013
In Great Britain December 11, 1933
4 Claims. (Cl. 88—74)



1. In a display window, the combination of a light-absorbing surface disposed out of the direct line of vision of an observer, a curved transparent pane bearing such angular relation to said light

absorbing surface as to take the field of reflected view away from ordinary outside objects to said light absorbing surface, and side panels of an image reflecting nature disposed at the sides of the pane and bearing such angular relation to said pane and said light absorbing surface that light reflected from said pane onto said panels will be reflected onto said light absorbing surface.

2,003,736
MOISTENER
Thomas I. Brown, Los Angeles, Calif., assignor to William J. Pearson, Los Angeles, Calif.
Application October 23, 1931, Serial No. 570,626
20 Claims. (Cl. 91—51)



17. A device of the character described, comprising a moistening roller, a pressure roller, means for supporting said pressure roller, and means for rocking said supporting means toward said moistening roller to bring said pressure roller and said moistening roller into contact, and thereafter operative to produce rotation of said pressure roller.

2,003,737
WEIGHING SCALE
Homer Butler, Bronaugh, Mo.
Application August 10, 1933, Serial No. 684,598
4 Claims. (Cl. 265—68)



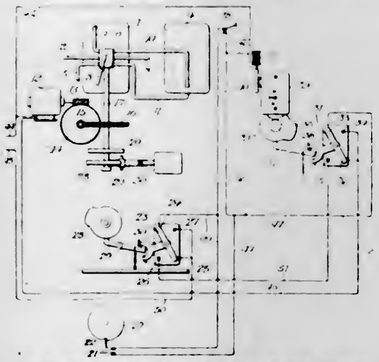
2. A device of the character described, comprising a housing having an aperture in a side wall thereof, a shaft extending through said housing and mounted for free rotation, a dial at one side of the housing, an indicator hand carried by said shaft at one end and overlying the dial, a drum having said shaft extending through the center thereof and secured to the shaft for rotation therewith, said drum having a flange concentric with the shaft in the edge of which ratchet teeth are formed, a ratchet formed upon the back of the drum concentric with the shaft, a pawl oscillatably mounted on the housing and engaging said last ratchet to permit rotation of the drum and shaft in one direction only, an elongated lever mounted at one end upon the shaft for oscillation independently of the same, said lever extending laterally through the wall aperture of the casing and terminating at its other end in a hook, means on the shaft for preventing the lever from moving longitudinally of the shaft, and resilient means engaging the lever and normally tending to swing the same upwardly, said lever when moved downwardly against said resilient means engaging a tooth of the drum flange to rotate the drum and shaft, said lever being of a flexible character to permit of its passage over the ratchet teeth of said drum when the same is swung upwardly by the said resilient means.

2,003,738
FABRICATED STRUCTURE AND ELEMENTS THEREOF
Frank Poole Cartwright, Chevy Chase, Md.
Application September 5, 1933, Serial No. 688,223
17 Claims. (Cl. 20—99)



1. A tower of polygonal cross-section having face sections each comprising a pair of legs joined by web pieces, and spacer pieces between the adjacent legs of adjacent face portions to which said adjacent legs are secured.

2,003,739
WATER SOFTENING APPARATUS
Thomas B. Clark, Rockford, Ill., assignor, by mesne assignments, to The Permutit Company, (1934), Wilmington, Del., a corporation of Delaware
Application October 15, 1930, Serial No. 488,722
5 Claims. (Cl. 161—7)



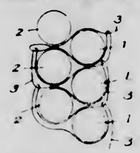
1. In a regenerative base exchange water softening apparatus including a softening chamber, a source of brine, the necessary connecting conduits for carrying out the several regenerative operations and return to softening with valve means controlling said conduits and a valve operating shaft adapted in being turned through a single complete revolution to shift said valve means to the several positions for said regenerative operations and return to softening, improved automatic means for timing said valve shifts which comprises an electric motor for turning said shaft, an electric circuit for said motor, a starting switch in said circuit adapted to start the motor to shift the valve means from softening to the first regenerative position, a time clock, two doubleway spring switches connected in series in said circuit, means actuated by the valve operating shaft whereby one of said switches is moved to break the motor circuit after two succeeding valve shifts, means actuated by the time clock whereby the other of said doubleway switches is moved to reestablish the motor circuit at predetermined times so as to start the motor shifting the valve means to a succeeding regenerative position and to the softening position, and circuit closing and breaking means actuated by the valve operating shaft at the beginning and end of each single complete revolution thereof.

2,003,740
NECKTIE HOLDER
Herman Cohn, Baltimore, Md.
Application July 14, 1934, Serial No. 735,255
5 Claims. (Cl. 24—49)



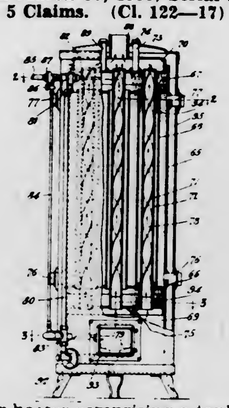
2. Necktie holder comprising a rigid looped member defining within its bounds a tie-receiving space, and having its front and back portions separated a distance greater than the thickness of the tie which it is designed to receive so that the tie when within said looped member is unrestricted thicknesswise by said looped member, leaving the latter free to tilt, means for attaching said looped member to a shirt, and connecting means between said attaching means and looped member comprising a flexible element secured at its ends to said looped member at spaced points, and slidably connected to said attaching means for holding said looped member unstably balanced.

2,003,741
PRODUCTION OF LAUNDRY PADS
James Harold Daughdrill, Lagrange, Ga., assignor to Calloway Mills, Lagrange, Ga.
Application April 1, 1933, Serial No. 664,035
5 Claims. (Cl. 66—192)



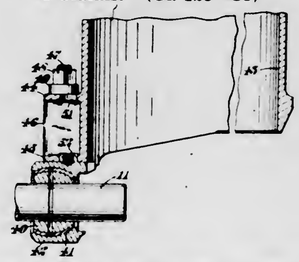
1. The method of forming a composite laundry pad, which consists in first assembling separate layers of rovings in staggered relation so that the rovings of one layer are so positioned with respect to the rovings of the other layer that a line joining the centers of any two opposite rovings makes an angle of approximately thirty degrees with the horizontal, and in knitting the rovings and layers to each other resulting in the staggered layers as first made being held in close contact and maintained in this relation throughout the use of the pad whereby openings will not form between the rovings of one layer and the rovings of the other layer.

2,003,742
APPARATUS FOR UTILIZING HEAT TRANSFERRING MEDIUM
Phillip H. Elliott, Charleston, W. Va., assignor to Chemical Manufacturing Company, Point Pleasant, W. Va., a corporation of West Virginia
Application March 30, 1933, Serial No. 663,664
5 Claims. (Cl. 122—17)



1. A water heater comprising a tank, partitions therein providing chambers in heat transmitting relation to the water in said tank, means providing an intermediate chamber within said tank communicating with said first named chambers, heating means at the bottom of the tank, and a flue extending from said heating means through said tank and through said first named chambers, said chambers adapted to contain a liquid for transferring heat from said heating means and flue to the water.

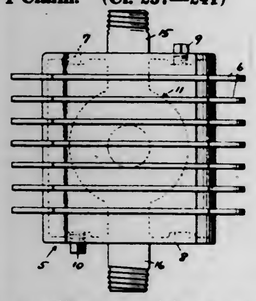
2,003,743
SLEEVE-VALVE MECHANISM FOR INTERNAL COMBUSTION ENGINES
Alfred Hubert Roy Fedden, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application February 21, 1934, Serial No. 712,418
In Great Britain March 18, 1933
4 Claims. (Cl. 123—81)



1. Sleeve driving mechanism comprising, in combination, an unsplit ring, studs screw threaded into the ring and passing through ribs or

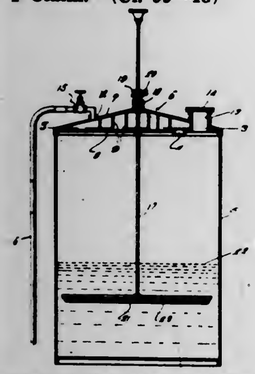
flanges on the sleeve to receive beyond the said ribs nuts which are accessible from the cylinder head end of the sleeve, and a spherical coupling member engaging a spherical bearing surface within the ring and having a central bearing to receive the eccentric driving element slidably and rotatably within it.

2,003,744
OIL COOLER
James Flockhart, Newark, N. J.
Application January 31, 1935, Serial No. 4,391
1 Claim. (Cl. 257—241)



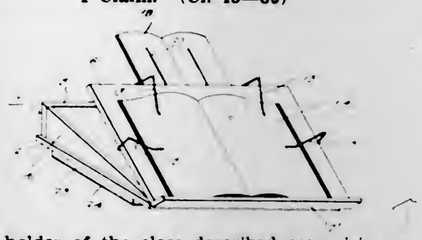
A one-piece casting comprising a substantially rectangular casing having external fins provided at one end with an oil inlet and at a diagonally opposite end with an oil outlet, said casing being further provided with priming means and drain means, an annular coil located centrally in the casing and having diametrically opposed connections with the end walls of the casing, said connections extending to the exterior to facilitate connection of a water supply pipe thereto.

2,003,745
GAS GENERATOR FOR FUMIGATION PURPOSE
Ted Forsberg, San Leandro, Calif.
Application August 21, 1933, Serial No. 686,142
Renewed March 20, 1935
1 Claim. (Cl. 99—18)



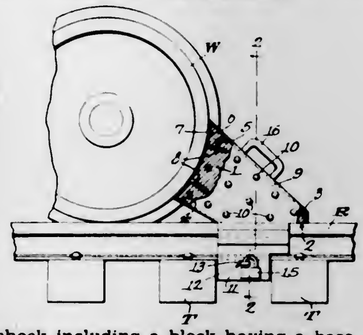
In a generator of the class described, a tank adapted to contain a liquid chemical, a cover for the tank having means for connecting a conduit hose thereto, a rod slidable axially through said cover, and a pan on the inner end of the rod adapted to contain a dry chemical, said cover provided with a gas chamber and a gas inlet for establishing communication between said chamber and the interior of said tank, and partitions arranged in said gas chamber between said gas inlet and the hose connection and providing a tortuous gas passage for the conducting of gas through said chamber.

2,003,746
BOOK, CHART, AND REFERENCE HOLDER
Florence E. Headington, Iowa City, Iowa
Application June 1, 1934, Serial No. 728,604
1 Claim. (Cl. 45—80)



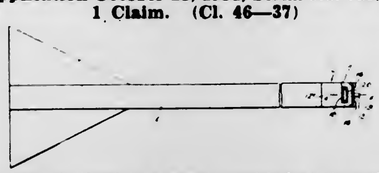
A holder of the class described comprising a supporting structure, a platform hingedly mounted for swinging adjustment on the supporting structure, means for supporting the platform in adjusted position, and means for supporting a reference book in open position on the free end of the platform, the last-named means including guides mounted beneath the platform, and a holder mounted in the guides, said holder being formed from a single piece of resilient material including a substantially U-shaped supporting portion, the legs of said supporting portion being bent upon themselves in a manner to provide resilient retaining fingers, said fingers substantially paralleling the legs of said supporting portion and being slidably engaged in the guides.

2,003,747
CHOCK
Loring B. Hester, Tallahassee, Fla., assignor of one-third to William T. Dowden, Tallahassee, Fla.
Application August 15, 1934, Serial No. 740,017
1 Claim. (Cl. 104—258)



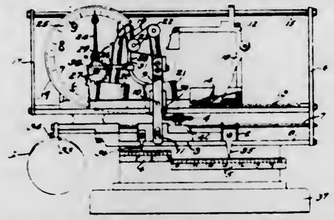
A chock including a block having a base, upwardly and forwardly inclined top and bottom faces and a concave end face, an arcuate wear plate secured to the concave face for contact with the tread of a wheel, a metal sheathing upon the side, top and bottom faces of the block, wings integral with the sheathing for straddling a rail and extending between supporting ties, and means detachably engaging the wings below the level of a rail for detachably securing the chock to a rail.

2,003,748
TOY
William Ellsworth Hopkins, Pittsburgh, Pa.
Application October 13, 1934, Serial No. 748,255
1 Claim. (Cl. 46—37)



A dart including a stem provided at its tail end with a vane and at its head end with an apertured hollow head forming a chamber, an anvil secured directly to said head end and extending into the chamber, a gravitating hammer operating within the chamber and having a stem operating through an opening in an end wall of the chamber to provide a striking point, said head being provided in one side thereof with a slot for the introduction of a percussion cap into the chamber between the anvil and the hammer head, and means on opposed walls laterally of the chamber for retaining a percussion cap in flat contact with the anvil.

2,003,749
FRUIT TESTING DEVICE
Ausker E. Hughes, Orlando, Fla., dedicated to the free use of the Public
Application December 28, 1932, Serial No. 649,186
5 Claims. (Cl. 265—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A testing machine for applying external pressure to a specimen of fruit, for accurately measuring the pressure applied and for accurately measuring the circumference of the fruit, which comprises a base, a rigid outer frame supported by said base, and having a lug at one end, a carrier-pulley secured to the lug, a flexible metal band having one end fastened to the outer frame near the lug, the band extending thence to form a contractible circular loop, a curved guard at the top of the loop to serve as a guide for the band and aid in distributing compressive force applied to the fruit, the band passing over the carrier-pulley and extending horizontally along the outer frame, a sliding adjustment block provided with a pointer mounted on said outer frame and to which is attached the other end of said flexible band, a sliding clamp block having a pointer and mounted on the outer frame between the loop and the sliding adjustment block, and through which said band passes, a movable inner-frame supported by the outer frame, a lever-arm pivoted on the inner-frame, a pin and slot pivot connecting the lever arm at its lower end to the sliding clamp block, two flexible metal bands attached to the upper end of said lever-arm, two weighted lever-arms hung pendulum-wise from the inner-frame and having drums at their upper ends, the flexible metal bands arranged to function as wrapping-connectors to the drums, pivot-shafts concentric with the drums supporting the weighted arms, the arrangement being such that tension on the band wrapping-connectors will tend to rotate the drums and cause the weighted arms to diverge arc-wise, a shaft connected crank and pinion-gear mounted on the inner-frame, and forming parts of a rack-and-pinion system for applying force tending to move the said inner-frame with respect to the fixed outer frame in a direction tending to exert tension on the band wrapping-connectors and on the contractible flexible band, a curved cam-lever affixed to one of the aforementioned weighted lever-arms, a second rack-and-pinion system in which the rack is movable and a cam follower attached to this movable rack associated with the said curved cam-lever, a graduated dial having an indicator hand, mounted on the inner frame and pinion means connecting the indicator hand and the movable rack, this said rack-and-pinion system actuating and controlling the rotation of the indicator-hand associated with the graduated dial, these several members being supported on the movable inner-frame and so arranged that any motion of divergence from the vertical, of the aforesaid weighted lever-arm, is translated into rotary motion of the indicator-hand, the movable rack-member being provided with notches for indicating by their position relative to a fixed index point on the inner frame the number of revolutions described by the indicator-hand, an idle pulley for guiding the band wrapping connectors and guides, guide rods and slideways associated with said sliding members, substantially as described.

2,003,750
CORD ELASTIC SUSPENDER END ASSEMBLAGE
Lyndon W. Joyce, Greensboro, N. C., assignor to Southern Webbing Mills, Inc., Greensboro, N. C., a corporation of North Carolina
Application March 27, 1934, Serial No. 717,661
5 Claims. (Cl. 241—25)

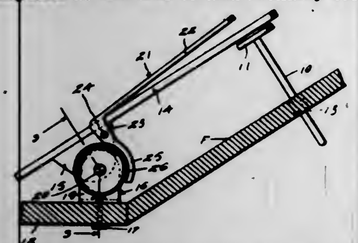


1. Suspender end assembly comprising a piece of fabric folded to form a stirrup, spaced perforations through the bottom of said stirrup, eyelets lining said perforations, and a button loop including a cord elastic portion, said portion passing through said eyelets in interlinked relation to said stirrup, and means for keeping said interlinked portion out of direct contact with the fabric of said stirrup.

2,003,751
FOOT ACCELERATOR PEDAL
William L. Kramer, Houston, Tex.
Application July 26, 1934, Serial No. 737,119
4 Claims. (Cl. 74—513)

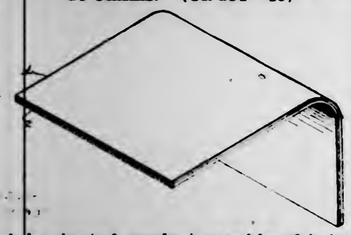
1. In combination, an accelerator pedal, means for rockably mounting said pedal on a vehicle

floor, a fixed braking member carried by said mounting means, and a releasable braking member disposed at one side of and rockably secured



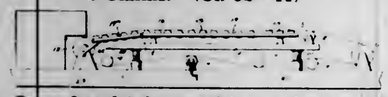
to said pedal for engagement with said fixed braking member to releasably hold the pedal in a selected depressed position.

2,003,752
BENDABLE LAMINATED PRODUCT
Gustave E. Landt, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application October 15, 1932, Serial No. 638,026
16 Claims. (Cl. 154—43)



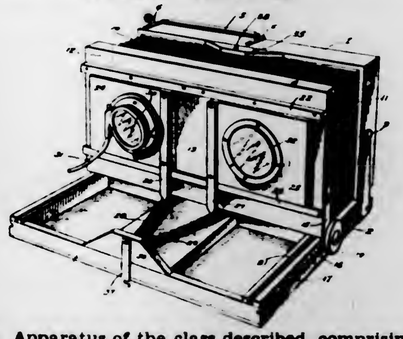
1. A laminated product capable of being bent without delamination of the layers or cracking of the surface, comprising fibrous sheet material impregnated with a thermo-plastic resin securely united to a metal sheet of substantial thickness and rigidity.

2,003,753
VERTICALLY ADJUSTABLE TABLES FOR FOURDRINIER MACHINES
Lawrence L. Lapeyrouse, Mobile, Ala.
Application June 10, 1932, Serial No. 616,528
2 Claims. (Cl. 92—44)



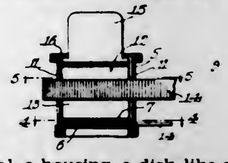
1. In a fourdrinier machine, a breast roll, a couch roll, a wire extending from the breast roll and couch roll, a sieve table, the sieve table being formed in two sections, the forward section adjacent the breast roll being shorter than the rear section and being pivoted to the rear section at a point between the suction boxes and the breast roll and having table rolls, means for vertically adjusting the forward end of the rear section to thus adjust the inclination of the forward section of the sieve table, and independent means for vertically adjusting the rear end of the rear section of the sieve table relative to the forward end thereof, the rear section carrying suction boxes at its rear portion, and wire supporting rollers from the suction boxes to the point of connection with the forward section.

2,003,754
PHOTOGRAPHIC APPARATUS
Carl Miller, Philadelphia, Pa.
Application October 16, 1934, Serial No. 748,515
8 Claims. (Cl. 95—44)



1. Apparatus of the class described, comprising a base, front and rear members carried by said base, said front member being movable forwardly and backwardly and having a wall with spaced openings therein, bellows means connecting said members, transverse guide means carried by said wall, a pair of lens plates adjacent said openings slidably carried by said guide means free of attachment to each other or to other parts of the apparatus, whereby said plates are free to move transversely as independent elements, and means for simultaneously moving said front member as a unit and said plates individually.

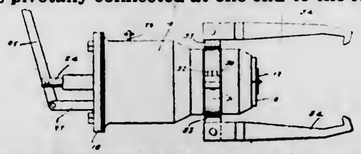
2,003,755
SEAL
Lou Quin Moore, Pueblo, Colo., assignor, by direct and mesne assignments, to The Moore Seal Co., Inc., Pueblo, Colo.
Application January 30, 1934, Serial No. 709,042
4 Claims. (Cl. 292—307)



4. In a seal, a housing, a disk-like clutch member fitted within the bottom of the housing, said housing having slots in opposite sides thereof, a shackle having one of its ends secured between the bottom of the housing and the disk-like clutch, a rotary shackle locking member mounted within the housing, one end of said shackle adapted to extend through the slots of the housing and through the rotary shackle locking member, said rotary shackle locking member adapted to be rotated bending the shackle within the housing, and securing the free end of the shackle.

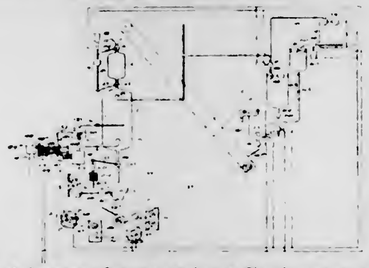
2,003,756
HYDRAULIC PULLER
Howard K. Nagel, Seymour, Wis.
Application May 28, 1934, Serial No. 728,018
3 Claims. (Cl. 29—36)

1. A puller for gears, pulleys and analogous wheels comprising a cylinder, a ram mounted for reciprocation within the cylinder, pump means provided in one end of the cylinder for forcing the fluid through the cylinder behind the ram to cause relative movement of the ram and cylinder; said cylinder being provided with an external groove, a ring engaging in the groove, arm members pivotally connected at one end to the ring at



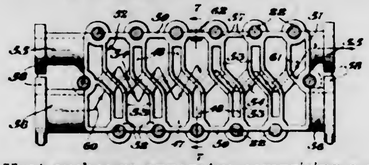
diametrically opposite sides thereof, a ring connecting the free ends of the arm members, and a pair of cooperating jaw members pivotally connected at one end with the last named ring.

2,003,757
CONTINUOUS AUTOMATIC WATER SOFTENING
Eric Pick, New York, N. Y., assignor to The Permutit Company, (1934), Wilmington, Del., a corporation of Delaware
Application January 3, 1931, Serial No. 506,473
15 Claims. (Cl. 210—24)



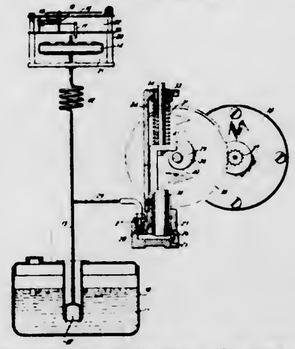
1. A base exchange water softening apparatus comprising means for transferring portions of the base exchange material from a water softening chamber for regeneration elsewhere, means measuring the quantity of said portions of base exchange material transferred, and means for initiating said portional transfers actuated by flow of the water passing through the water softening chamber.

2,003,758
HEAT EXCHANGER
Eric Pick, New York, N. Y., assignor to The Permutit Company, (1934), Wilmington, Del., a corporation of Delaware
Application September 21, 1934, Serial No. 744,972
14 Claims. (Cl. 257—245)



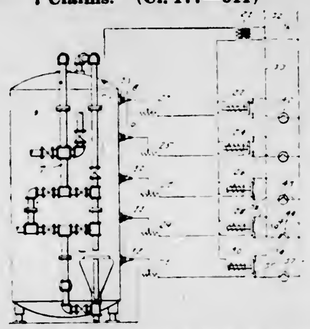
1. Heat exchange apparatus comprising a plurality of open grooved channeled members assembled into a unit, the unitary assemblage having therein two separate, tortuous, immediately adjacent fluid passageways running from one end of the unit to the other, the open channels of each member forming parts of both passageways in the unitary assemblage, the unit having conduit connections for each passageway and means for holding the members together.

2,003,759
LIQUID LEVEL INDICATOR
Wladimir A. Reichel, Philadelphia, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 5, 1931, Serial No. 579,283
18 Claims. (Cl. 73—54)



1. In apparatus for indicating the quantity or level of a liquid, comprising a receptacle containing the liquid to be measured, an indicator including a pressure responsive actuator therefor; a closed pressure system including a hydrostatic cell immersed in the liquid to the maximum depth to be indicated and connected to the pressure responsive actuator, whereby fluid pressure entrapped in the system is effective for producing an indication of the level of the liquid; and means for replenishing the fluid pressure in said closed pressure system; the combination with said pressure replenishing means, of time-controlled means for operating the latter at predetermined timed intervals so that continuous accurate indications of the quantity of liquid in the receptacle are obtained.

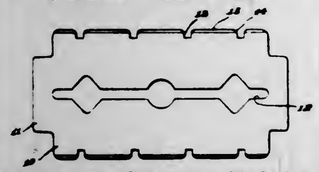
2,003,760
INDICATOR FOR ZEOLITE SOFTENERS
Orland R. Sweeney, Ames, Iowa, and Thomas B. Clark, Rockford, Ill., assignors, by mesne assignments, to The Permutit Company, (1934), Wilmington, Del., a corporation of Delaware
Application March 3, 1930, Serial No. 432,632
7 Claims. (Cl. 177—311)



1. A water softener comprising a chamber, a hard water inlet, a soft water outlet, a bed of base exchange material within said chamber positioned intermediate said inlet and said outlet, and electrical means also intermediate said inlet and said outlet and responsive to a change in hardness of

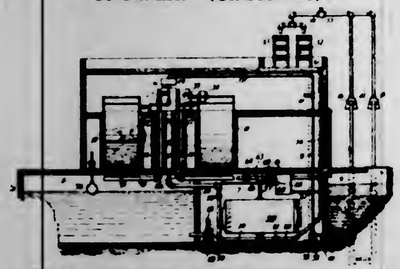
water for detecting and indicating the progressive exhaustion of said bed of base exchange material.

2,003,761
SAFETY BLADE
Nicholas Testi, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application August 28, 1934, Serial No. 741,754
4 Claims. (Cl. 30—12)



1. An improved safety razor blade having an edge supporting portion which is divided by a series of uniform notches into sections each longer than the width of the notches and sharpened to a cutting edge, the cutting edge being terminated adjacent to each notch by an unsharpened curve of substantially the same radius as the length of the bevel.

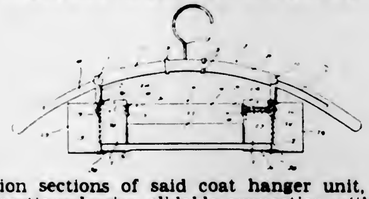
2,003,762
WATER TREATING APPARATUS
Edward T. Turner, Dayton, Ohio, assignor to The Permutit Company, (1934), Wilmington, Del., a corporation of Delaware
Application October 9, 1931, Serial No. 567,913
30 Claims. (Cl. 210—24)



1. In an apparatus of the character described, a container for water softening material having an outlet above the level of said material, a receptacle arranged alongside of said container, a partition dividing said receptacle into a delivery reservoir and a supply reservoir and having an opening to connect said reservoirs one with the other above the level of the outlet for said container, means for supplying water to said delivery reservoir, and means for so connecting said supply reservoir with said container that the water will be maintained normally at substantially the same level in said supply reservoir and said container.

2,003,763
GARMENT HANGER
Bartlett F. Vavruska, Prairie du Chien, Wis.
Application October 29, 1934, Serial No. 750,573
6 Claims. (Cl. 223—64)

1. In a structural assemblage of the class described, in combination, a longitudinally bowed coat hanger comprising a pair of sections disposed in slidable overlapping relationship, a clip pivotally connected with one of said strips, a suspension hook swivelly connected with said clip, a trousers supporting and clamping unit, rod connections between said unit and the com-



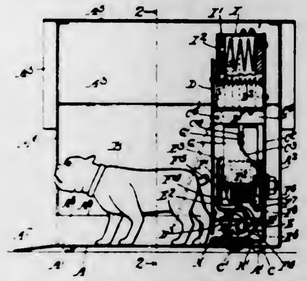
panion sections of said coat hanger unit, said connections having slidable connection with the hanger sections.

2,003,764
PISTON AND RING
Carl B. Welch, Attapulgus, Ga.
Application September 29, 1933, Serial No. 691,549
7 Claims. (Cl. 309—42)



1. A piston having parallel grooves formed in the periphery thereof and a helical groove extending from the lowermost of said grooves downwardly, compression rings positioned in said parallel grooves, and a helical ring positioned in said helical groove under axial compression against the lowermost compression ring.

2,003,765
SOUND ACTUATED DEVICE
Henry R. Widen, Chicago, Ill., assignor of one-half to Charles E. Botenstein, Chicago, Ill.
Application August 31, 1932, Serial No. 631,114
7 Claims. (Cl. 46—40)

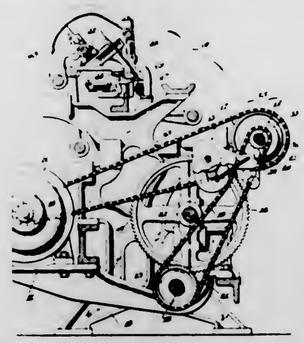


1. In combination, an impeller movably mounted and means adapted to move it, when free to do so, means for holding the impeller against movement and for releasing it, and a sound producing device operatively associated with the impeller and adapted to be mechanically actuated by the said impeller to produce a sound.

2,003,766
SAFETY DEVICE FOR STRAIGHT KNITTING MACHINES
Melchior Zwicky, Berkshire Heights, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application April 7, 1933, Serial No. 664,866
2 Claims. (Cl. 66—82)

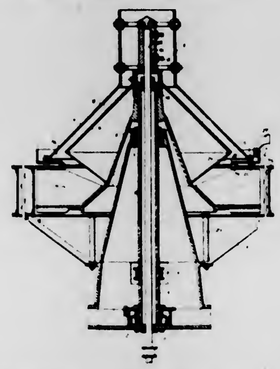
2. A knitting machine comprising knitting mechanism, a motor, a sprocket wheel fixed to the motor shaft, a hand-wheel shaft, a sprocket

wheel on the hand-wheel shaft, a chain operatively connecting said sprocket wheels, a second sprocket wheel on the handwheel shaft fixed thereto, a drive shaft, a cam shaft, means providing a reduced-gear-ratio connection from the drive shaft to the cam shaft, a sprocket wheel fixed to the drive shaft, a chain operatively connecting the drive-shaft sprocket wheel to said fixed hand-wheel sprocket wheel, and a reverse-turning friction-slip connector between said first



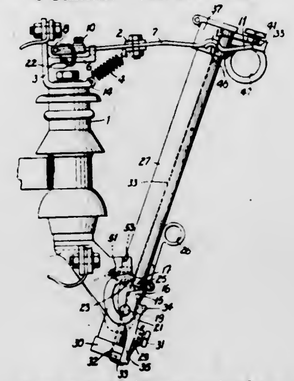
hand-wheel shaft sprocket wheel and the hand-wheel shaft normally providing a positive connection between the motor and the drive shaft but responsive to greater driving force by the motor than normally required by the mechanism to cause damped relative slip between elements of the connector in one direction and responsive to excessive opposition by the mechanism to retardation by a reduction of the driving force of the motor to cause damped relative slip between said elements in the opposite direction.

2,003,767
CENTRIFUGAL CONCENTRATOR
Curtis C. Baldwin and Verne S. Miller, Ottawa, Kans.
Application July 29, 1933, Serial No. 682,759½
6 Claims. (Cl. 233—7)



1. In a device of the class described, a pair of independently rotated cones in spaced relation forming a passageway, means for delivering material into the passageway, a concentrate chamber carried by one of the cones, a stationary refuse chamber below the concentrate chamber, a fan therein rotating with the other cone, the refuse chamber having communication with the passageway and a hollow offtake member having its inlet in the concentrate chamber.

2,003,768
FUSE SWITCH
Lester Pierce Boll, University City, and Theodore Birkenmaier, St. Louis, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 3, 1934, Serial No. 713,860
6 Claims. (Cl. 200—116)

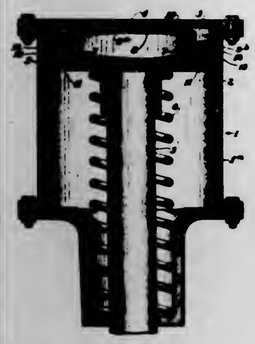


6. In a fuse switch, line terminals, a cartridge having terminal engaging elements, one of said terminal engaging elements comprising a member hinged to the cartridge, gudgeons on said last-named member, bearings on one of said line terminals adapted to receive said gudgeons, a fuse link associated with said hinged member and the cartridge adapted in unblown condition to hold said cartridge and said hinged member in a predetermined position but to release them for collapse when the link blows, said cartridge being rotatable at said gudgeons after collapse, camming means on the bearing, gudgeons on the cartridge adapted to frictionally engage said camming means, and stops adapted to positively limit the degree of rotation of the cartridge after said frictional engagement, said camming means being adapted to effect lifting of the cartridge so as to lift said gudgeons from their seats in the bearings, said bearings being so formed that said hinged element is, in the ultimate disconnected position of the cartridge forced to its initial position with respect to the cartridge, whereby said gudgeons and the cartridge may be readily removed from their operative positions, and said gudgeons on the hinged member and their respective bearings being oppositely located and of different sizes whereby proper cartridge application is determined.

2,003,769
PACKING FOR PISTONS
George Christenson, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 4, 1932, Serial No. 609,156
6 Claims. (Cl. 60—62.6)

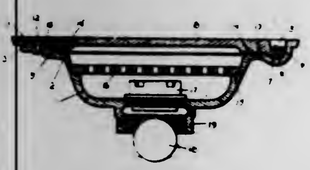
1. In the combination of a cylinder provided with a head, a piston movable therein, and piston-packing means, the improvement including piston-packing means comprising a cup-shaped, shape-retaining member, disposed between the piston and the head of the cylinder and provided

with an outwardly extending flange, and an independent annular packing element supported



by the said flange in packing contact with the wall of the cylinder.

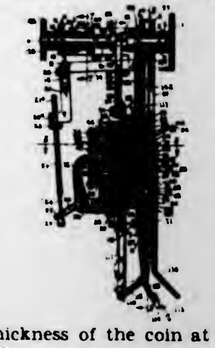
2,003,770
FLOOR DRAIN
Louis Goodhart, St. Louis, Mo.
Application March 24, 1934, Serial No. 717,193
1 Claim. (Cl. 182—31)



A floor drain, comprising a basin provided with an outlet and having an annular seat at its upper edge, a cover hingedly and removably connected at one side of said seat and adapted for support thereon, a catch pivoted at the opposite side of said seat having an inclined face engageable with an oppositely inclined edge of said cover, and a sealing element interposed between said cover and seat, and compressible by the wedge engagement of said catch and cover.

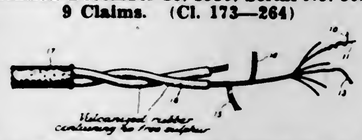
2,003,771
COIN TESTING DEVICE
Emil Graf, Jamaica, N. Y., assignor of one-half to Harry E. Rubens, New York, N. Y.
Application November 22, 1933, Serial No. 699,159
5 Claims. (Cl. 194—97)

1. In a coin testing device; means for receiving a coin to be tested comprising a pair of pins arranged to position said coin in a predetermined position; a third pin; means for moving said third pin towards said coin, said three pins locating three points defining the diameter of the class of coins to be tested; selecting mechanism operative in the event that the circumferential edge of said coin includes said three points for arranging to selectively accept said coin, said third pin having a notched end for defining the third position of the circumferential edge of the predetermined coin having a predetermined diameter and also de-



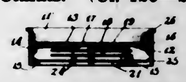
fining the thickness of the coin at the circumferential edge.

2,003,772
INSULATED CONDUCTOR
Alvin N. Gray, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1930, Serial No. 502,667
9 Claims. (Cl. 173—264)



8. An electrical conductor comprising a conducting core and a layer of vulcanized insulation thereupon, free from uncombined sulphur, said insulation containing before vulcanization free sulphur, a sulphur containing accelerant and a non-sulphur containing accelerant.

2,003,773
BURNER GUARD FOR COOKING UTENSILS
Herman Gross, New York, N. Y.
Application July 19, 1933, Serial No. 681,074
6 Claims. (Cl. 126—215)

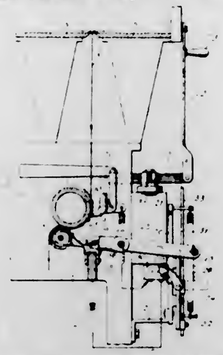


6. A burner guard for cooking utensils, comprising an annular wall portion for surrounding a bottom wall of a cooking utensil, lugs attached upon the inner side of said annular wall, a perforated disc with edge cutouts engageable over said lugs and turnable to maintain its position, and several perforated baffle discs adjustably mounted upon said bottom disc.

2,003,774
STOP MOTION FOR KNITTING MACHINES
Andrew Gruna, Union City, and Ferdinand Radhuber, North Bergen, N. J., assignors to Michael Zimic, Forest Hills West, N. Y.
Application December 13, 1934, Serial No. 757,252
4 Claims. (Cl. 66—166)

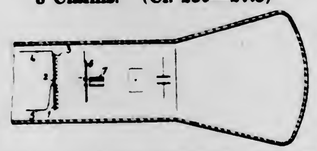
1. In a stop motion for a knitting machine, the combination with rollers between which a knitted fabric is drawn, means for stopping said machine, and a circuit for said means; of a control device including a pivoted circuit-closing element having direct contact with the surface of one of said rollers, said element being movable

about its pivot, in one direction by a movement of one of said rollers away from the other and



in a different direction by engagement of said fabric therewith, to close said circuit.

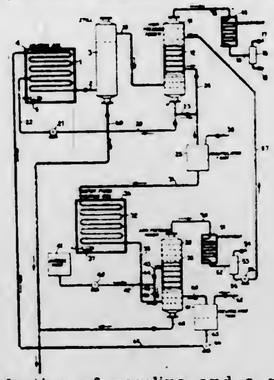
2,003,775
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application May 13, 1933, Serial No. 670,819
In Germany May 14, 1932
8 Claims. (Cl. 250—27.5)



1. A Braun tube for television purposes comprising a hot cathode, an anode, means to control, means to deflect the cathode ray and a fluorescent screen, means for concentrating the cathode ray, said means comprising an electrode consisting of semi-conductive material, being arranged between said cathode and said anode.

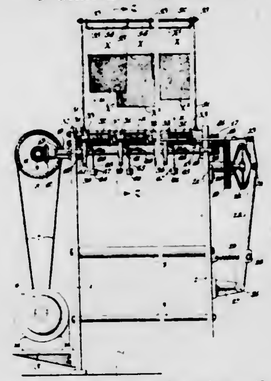
2,003,776
TREATMENT OF HYDROCARBON OILS
William M. Stratford, New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 12, 1931, Serial No. 515,189
12 Claims. (Cl. 196—60)

1. The process of treating hydrocarbon oils that comprises subjecting hydrocarbon oil in a first cracking zone to a substantially liquid phase cracking temperature to effect conversion of the high boiling hydrocarbon oils into lower boiling hydrocarbon oils, vaporizing the lower boiling hydrocarbons of the cracked products, withdrawing the unvaporized oil from the system, fractionating the evolved vapors in a first fractionating zone to form a gasoline-like vapor fraction, a lighter reflux condensate and a heavier reflux condensate, returning the heavier condensate to said liquid phase cracking operation, subjecting said lighter condensate to a vapor phase cracking temperature in a second cracking zone, contacting relatively heavy fresh charging stock with the resulting vapors from the vapor phase cracking operation to thereby vaporize a portion of the fresh charging stock, withdrawing the unvaporized portion of the charging stock from the system, dephlegmating the combined vapors from the vapor phase cracking operation and the vapors from the fresh charging stock in a second fractionating zone to produce a vapor fraction suitable for



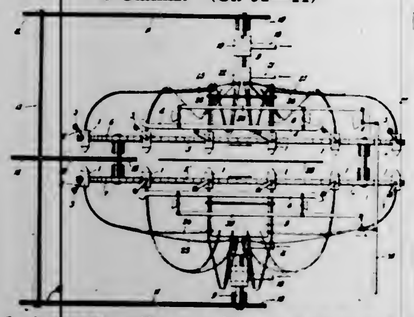
the production of gasoline and a reflux condensate suitable as a clean cracking stock and charging said clean cracking stock to the liquid phase cracking operation.

2,003,777
MACHINE FOR RECLAIMING YARN FROM KNITTED FABRIC
Hans Westkott, West Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania
Application January 11, 1933, Serial No. 651,114
9 Claims. (Cl. 28—17)



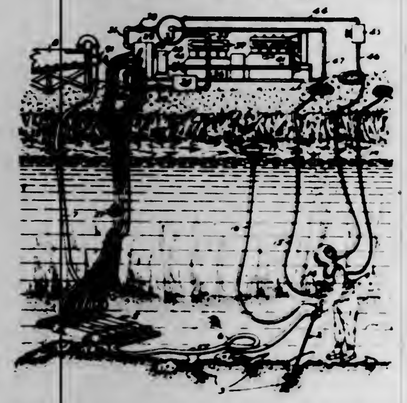
8. A machine for reclaiming thread from knitted fabric comprising a spool, a flange on one end of said spool, a friction wheel on said spool adjacent said flange, a constantly rotating friction wheel, a trunnion on said spool adjacent the friction wheel thereon, a bearing for said trunnion normally supporting said end of said spool with said friction wheels in operative driving engagement to wind said thread on said spool, a support for said trunnion adjacent said bearing, a lever controlled by that portion of said thread under tension, a shoe on said lever arranged to have rolling contact with said flange to shift said trunnion from said bearing to said support to effect and maintain disengagement of said wheels when the thread becomes excessively taut, and an abutment for arresting the rolling action of the flange on the shoe and preventing reverse rotation of said spool.

2,003,778
SPRAY COATING MACHINE
Charles C. Willis, Bound Brook, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application November 10, 1932, Serial No. 641,973
6 Claims. (Cl. 91—44)



1. A spray coating machine, comprising a rotatable spray tank, a plurality of nozzles, connections from said tank to each of said nozzles, means for rotating said tank, means for motivating said nozzles in a predetermined closed path, said path being in straight lines over the material being coated and in curved lines beyond the material to form said closed path, said rotating means and motivating means synchronized to complete one revolution of the tank and one circuit of the closed path by a nozzle contemporaneously.

2,003,779
MINING SYSTEM AND APPARATUS
Guy A. Wedd, Oakland, Calif., assignor of one-half to John R. Pusey, Oakland, Calif.
Application March 7, 1933, Serial No. 659,934
8 Claims. (Cl. 262—2)



1. In apparatus for subaqueous dredging, a suction nozzle for underwater manipulation by a diver for application to submerged material to be removed, a sluice box, a combined suction and lift pump comprising a submerged and cylindric working chamber disposed in axially prone position and having inlet and discharge connections with said nozzle and sluice box respectively, one-way valves operative in said connections and for the chamber, a flexible hose providing an air duct connecting with said chamber, and means operative through said hose duct to alternately create suction intake and pressure discharge conditions in said hose and chamber, said chamber disposed substantially at the level of said nozzle whereby substantially the full intake suction for the chamber is operative at said nozzle.

2,003,780
SEISMIC SURVEYING
William T. Born, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application November 24, 1933, Serial No. 699,483
7 Claims. (Cl. 181—0.5)



2. The method of seismic surveying which comprises detonating a charge of explosive at a point near the earth's surface, receiving waves thus formed at a point near the shot point, impressing received waves on a recorder and rendering the recorder inoperative until after the direct waves have passed beyond the receiving point.

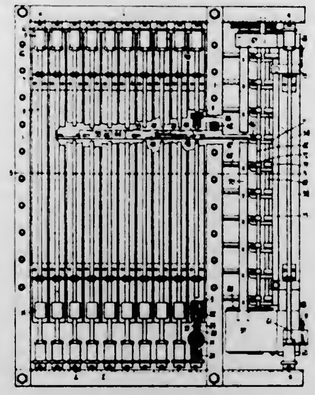
2,003,781
PENDANT FOR WATCHES AND THE LIKE
Louis L. Burghoff, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application January 30, 1934, Serial No. 708,937
5 Claims. (Cl. 58—95)



2. The combination with a case-member having a head-receiving passage of non-circular form opening therethrough; of a pendant-head substantially corresponding in cross-sectional form to the non-circular form of the said head-receiving passage in the said case-member and installed therein so as to project beyond the outer surface of the said case-member and having preformed laterally-offsetting abutment-means engageable with the inner surface of the said case-member to stop the outward movement of the pendant-head through the said head-receiving passage.

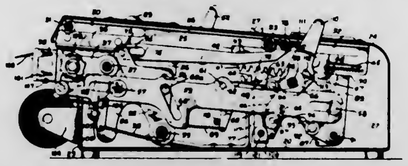
2,003,782
ELECTRIC SWITCHING MECHANISM
David Adam Christian, London, England, assignor to Siemens Brothers & Company Limited, London, England
Application March 31, 1933, Serial No. 663,692
In Great Britain March 31, 1932
11 Claims. (Cl. 179—18)

1. In a selective switch mechanism a plurality of inlets and a plurality of outlets, a plurality of sets of contact members for each inlet, a set of conductors for each outlet associated with contact members of a plurality of inlets, means for first selecting the conductors of an outlet, mechanical means common to said outlets, operating means individual to the conductors of each



inlet, said common means operated to control a set of members associated with a particular inlet to establish a connection between the members and the conductors of the previously selected outlet.

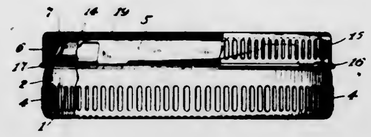
2,003,783
ACCOUNTING MACHINE
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 22, 1933, Serial No. 699,129
3 Claims. (Cl. 235—58)



1. In an accounting machine, in combination, an accumulator, a pivoted frame carrying said accumulator, a pivoted cam member, a latch lever having a shoulder which normally holds said cam member in position whereby the latter is normally effective to shift said frame, a total control device for shifting said frame and adapted to be latched in operated position by said latch lever, and means whereby said total control lever causes the latch lever to release the pivoted cam member for a movement which renders it ineffective to shift said frame.

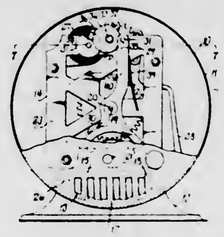
2,003,784
METAL CONTAINER
Charles Hammer, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application July 23, 1930, Serial No. 469,944
8 Claims. (Cl. 220—40)

1. As an article of manufacture, a one-piece container stamped from sheet metal comprising the combination of a bottom, an annular side wall extending upwardly therefrom, an annular zone of said side wall being offset inwardly to reduce the diameter thereof and to increase the flexibility of the sealing zone in a vertical direction, the portion of the side wall above said inwardly set zone being turned outwardly and downwardly to form a rounded seal-



ing zone and an outwardly flared depending flange lying within the boundary of the normal portion of the side wall, said flange having closure engaging means to engage and hold a closure on the container with the cover portion thereof against said sealing zone.

2,003,785
MODULATED ALARM CLOCK
Dudley S. Ingraham, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application April 18, 1934, Serial No. 721,145
12 Claims. (Cl. 58—16)



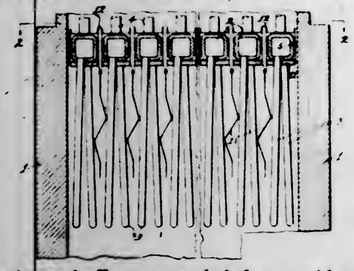
1. An alarm clock including: a casing; an alarm-sounding member in the casing; the casing having a sound-opening for transmitting sound from the alarm-sounding member; and movable means mounted to move in a plane substantially parallel to the plane of the sound-opening for a closing or opening said sound-opening.

3. An alarm clock including: a casing; an alarm-sounding member in the casing; the casing having a sound-opening for transmitting sound from the alarm-sounding member; movable means for closing or opening said sound-opening; and a sound-damping member actuated to engage said sounding-member when said movable means is moved to close said sound-opening.

2,003,786
MERCURY BOILER HEADERS WITH CASINGS
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application April 1, 1929, Serial No. 351,474
Renewed May 25, 1933
7 Claims. (Cl. 122—318)

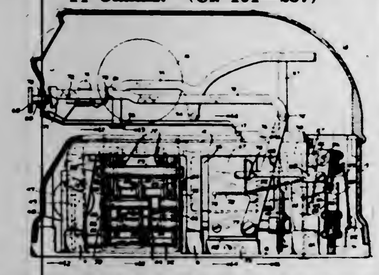
1. In a boiler for high boiling point fluids, a plurality of headers arranged side by side and having tubes depending therefrom, casings

around each header, spacers between the casings,



and zigzag baffles suspended from said spacers between groups of said tubes.

2,003,787
TIME STAMP
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 28, 1933, Serial No. 695,647
14 Claims. (Cl. 101—287)



8. In a time stamp, an impression element, a light spring, means adapted to be operated by the light spring for operating the impression taking element, releasable means for restraining the spring against operation including a partially bent toggle and a latch holding the toggle in partially bent position, a low power solenoid for operating said latch to release the toggle, a relatively higher power solenoid for restoring the impression element against the tension of said spring, and means connected to the toggle for preventing a second operation of the first named solenoid before the second named solenoid has fully restored the impression element.

2,003,788
ELECTRICAL CONNECTION
Walter McGinnis, Eagle Rock, and Zebulon Wirt, Los Angeles, Calif.
Application July 21, 1932, Serial No. 623,734
1 Claim. (Cl. 173—259)

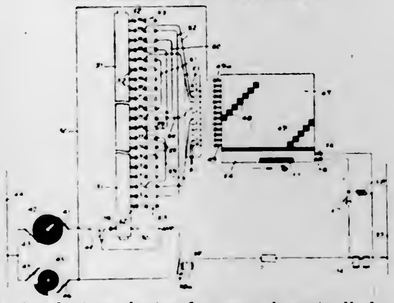


A battery connection, comprising a body portion having a cable connection, a battery terminal clamping member on said body portion, a hook-like keeper member on said body portion, a second and separate clamping member having a flange for engaging said keeper member, and a clamping rod having oppositely threaded ends engaging complementary female threads in the clamping member on said body portion and in said separate clamping member respectively, said rod being provided with intermediate means for permitting rotation of said lug, and said second clamping member being rotatable about said rod into position in engagement with said keeper.

2,003,789
COMPOSITION AND METHOD OF PREPARING SAME
Robert L. Falls, Charlotte, N. C., assignor of five per cent to J. F. Kelley, Rock Hill, S. C.
No Drawing. Application August 27, 1932, Serial No. 630,698
3 Claims. (Cl. 106—33)

1. That method of preparing a composition for use in the manufacture of containers and other articles which comprises taking a quantity of paraffin wax, heating the paraffin wax to its boiling point, adding caustic potash in solution to the boiling paraffin wax, allowing the mixture to cool and separating the wax from the dissolved caustic potash and heating the treated paraffin wax and bringing it to its boiling point again, adding thereto a quantity of pine rosin, then adding to the mixture a small quantity of grain alcohol.

2,003,790
SORTING MACHINE
Paul Rieger, Frankfort - on - the - Main - Hochst, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 19, 1933, Serial No. 685,813
In Germany February 20, 1933
11 Claims. (Cl. 209—110)



1. A selecting device for record controlled machines, comprising a plurality of record analyzing devices each adapted to sense data designations in a single column of the control records, a single rotary control device having a single series of differently timed control elements corresponding to the index-point positions of a single column of the control record, and means for connecting any number of said analyzing devices to one of said elements.

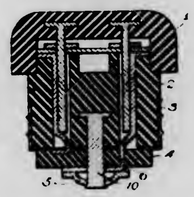
2,003,791
ROTARY DISK BIT
James W. Sperry, South Pasadena, Calif.
Application August 19, 1929, Serial No. 386,847
9 Claims. (Cl. 255—71)

1. A rotary disk bit of the character described, including: a body having a central, intermediate,

and outer legs projecting downwardly therefrom, said legs being of relatively thin, flat form and having the opposing faces thereof parallel so as to provide inner and outer cutter receiving spaces between the flat faces of said legs; right-hand and left-hand pairs of supporting pins, each of said pairs of supporting pins projecting through one of said outer legs, the adjacent intermediate leg, and making threaded engagement with said central leg; inner and outer bearing members supported respectively in said inner and outer spaces by said left-hand and right-hand pairs of pins, said outer bearing members being eccentric to said inner bearing members; and inner and outer cutter disks supported respectively on said inner and outer bearing members.

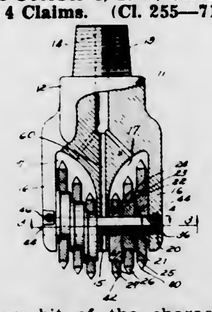


2,003,792
PLUG FUSE WITH A REPLACEABLE FUSE LINK
Joel Rosenbaum, West Orange, N. J.
Application March 13, 1934, Serial No. 715,261
3 Claims. (Cl. 200—130)



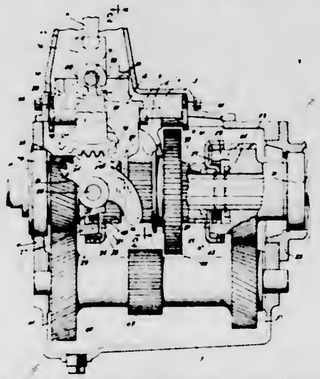
1. A plug fuse with a replaceable fuse link, comprising, in combination, a shell of insulating material and a fuse link, the body of said shell having parallel spaced wells, of a depth equal to that of said body, springs in said wells, said springs extending the full length of said wells, and bent over top of said body to provide a contact seat for said fuse link, a fusing depression in said body, said fusing depression allowing sufficient space for the link to fuse readily and completely, a top for said shell, said top fitted snugly over said body, parallel spaced prongs attached to said top, adapted to be inserted in said wells in said body, stays placed on said prongs so as to press said fuse link against the said contact seats provided by said springs, said fuse link having a pair of spaced slots therein, adapted to allow said prongs to slip thru said slots and hold said link against said spring contact seat.

2,003,793
ROTARY ROCK DISK BIT
James W. Sperry, South Pasadena, Calif.
Application October 4, 1929, Serial No. 397,238
4 Claims. (Cl. 255—71)



1. A rotary bit of the character described, including: a bit body adapted for attachment to a string of drill pipe, said bit body having a downwardly extending center leg and diametrally opposing side legs; a bar extending laterally through said legs, said bar being non-rotatable in said legs; means for locking said bar in such laterally extending position; bearing members supported on said bar in the spaces between said center and said side legs, said bearing members being non-rotatable on said bar and having openings to receive said bar so placed that said bearing members will be progressively downwardly offset from the outer bearing members toward the inner bearing members; and cutter disks supported on said bearing members.

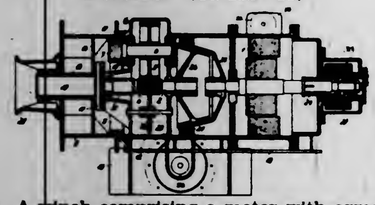
2,003,794
GEAR SHIFT MECHANISM
Thomas C. Van Degrift, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 20, 1932, Serial No. 587,643
9 Claims. (Cl. 74—339)



8. In a change speed transmission having as constituent parts thereof a shifting element and a member shiftable to effect a predetermined driving ratio, connecting mechanism whereby said element may move said member, said connecting mechanism including means having a cam operable upon said member whereby said element moves said member through the instrumentality of said connecting mechanism with a

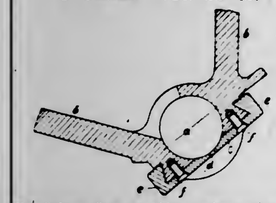
relatively high mechanical advantage during a first part of its movement and with a lesser mechanical advantage during the remainder of its movement.

2,003,795
CLUTCH AND BRAKE MECHANISM FOR WINCHES
Paul Wilsing, Duisburg, Germany, assignor to Demag Aktiengesellschaft, Duisburg, Germany
Application July 14, 1930, Serial No. 467,814
In Germany July 19, 1929
5 Claims. (Cl. 192—18)



1. A winch comprising a motor with armature shaft that is axially movable and a transmission gear, a coupling between said motor and said gearing and a brake with which said coupling co-operates so that the brake is not released till the coupling transmits the full turning moment, and a stationary electromagnetic coil disposed axially with respect to the motor shaft and adapted to control in common the operation of the brake and coupling by axial movement of the armature shaft.

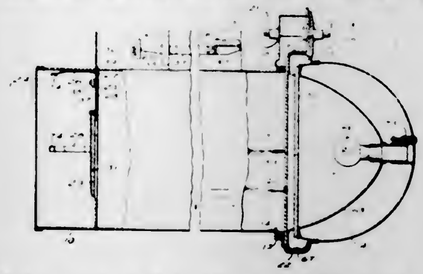
2,003,796
MELTING POT, PARTICULARLY FOR STEREOTYPE CASTING MACHINES
Robert Zahner, Bern, Switzerland
Application April 10, 1933, Serial No. 665,264
In Germany April 14, 1932
1 Claim. (Cl. 22—2)



In a machine for casting stereotype plates or the like, a melting pot having an outlet opening, a valve for controlling the flow of molten metal through said opening, a steel plate applied to the outside of said opening, exterior bearing surfaces provided on each side of said opening, corresponding bearing flanges provided on the longitudinal edges of said plate and arranged to embrace said exterior bearing surfaces, so that said plate may be readily shrunk to said melting pot to thereby avoid fracture of the edges of said opening.

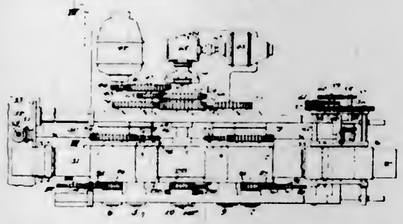
2,003,797
HEADLAMP TESTING DEVICE
Samuel F. Arbuckle, Highland Park, Mich., assignor, by mesne assignments, to Guide Lamp Corporation, Anderson, Ind., a corporation of Delaware
Application October 23, 1929, Serial No. 401,949
Renewed April 20, 1934
14 Claims. (Cl. 88—14)

1. A device for testing a headlamp having a reflector and a light source mounted therein including, in combination, a supporting member, a plate mounted in one end of said member, a screen in said member axially spaced from said plate, means for securing said plate and screen in predetermined relation with respect to said reflector, said plate having an aperture therein through which a pattern of light may be projected from said re-



flector upon said screen, and calibrations on said screen for determining the relative location of said light source with respect to said reflector by the location of said light pattern on said screen, said screen being shiftable in the plane thereof whereby to enable the location of said light pattern to be corrected with respect to said calibrations.

2,003,798
OFFSET PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 7, 1934, Serial No. 729,365
36 Claims. (Cl. 101—177)

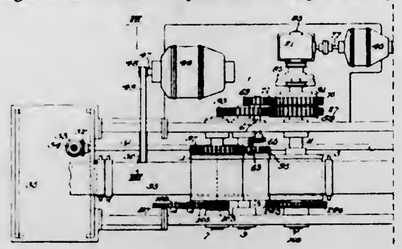


1. In a multi color offset printing press, a printing unit comprising a common impression cylinder and pairs of design and transfer cylinders interconnected therewith, their drive, means for separating and means for operatively disconnecting the transfer cylinders from the impression cylinder, and means for driving the design and transfer cylinders independently of the impression cylinder and independently of each other.

2,003,799
OFFSET PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 20, 1934, Serial No. 731,439
36 Claims. (Cl. 101—220)

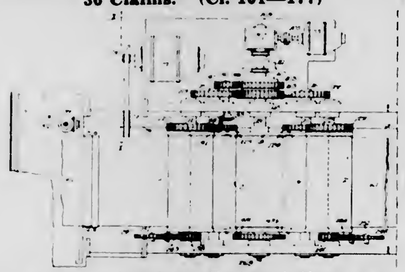
1. In an offset printing press, a plurality of printing units, each comprising an impression cylinder and a pair of design and transfer cylinders interconnected therewith, their drive, means for separating and means for operatively disconnecting the transfer cylinders from their

impression cylinders, and means for driving the design and transfer cylinders independently of



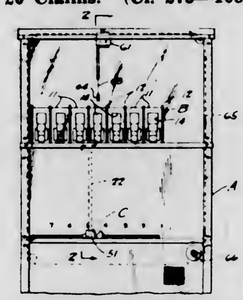
their impression cylinders and independently of each other.

2,003,800
OFFSET PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application August 1, 1934, Serial No. 737,892
36 Claims. (Cl. 101—177)



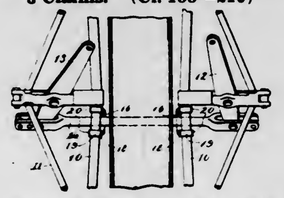
1. In a multicolor offset printing press, a plurality of printing units, each comprising a common impression cylinder and pairs of design and transfer cylinders interconnected therewith, their drive, means for separating and means for operatively disconnecting the transfer cylinders from their impression cylinders, and means for driving the design and transfer cylinders independently of their impression cylinders and independently of each other.

2,003,801
GAME DEVICE
George C. Boyer, Los Angeles, Calif.
Application November 14, 1933, Serial No. 697,937
20 Claims. (Cl. 273—108)



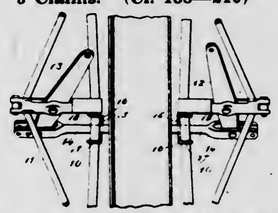
20. A game device comprising a traveling member provided with means to discharge articles carried thereby, means to constrain said traveling member to a definite path of travel, means for causing said traveling member to move along said path of travel, a trip member carried by the traveling member and moving therewith, a target adapted to be selectively positioned in the path of travel of the trip member, and whereby the trip member will be actuated to discharge articles from the traveling member when the trip member encounters the target.

2,003,802
SAFETY SUPPORT FOR BRAKE RODS
Seth A. Crone, East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application August 1, 1934, Serial No. 737,880
3 Claims. (Cl. 188—210)



1. In a safety support for brake rods, the combination of a brake-beam channel member, and a stirrup formed of a metallic bar, having at its upper ends outwardly bent arms, each arm having an inwardly directed hook for engagement over and under the upper flange of the channel member.

2,003,803
SAFETY SUPPORT FOR BRAKE RODS
Seth A. Crone, East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application August 1, 1934, Serial No. 737,881
3 Claims. (Cl. 188—210)

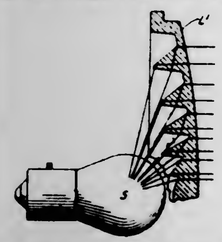


1. In a safety support for brake rods, the combination of a brake-beam channel member, and a bottom rod supporting member having a hook shaped member formed with two connected substantially parallel legs for engaging over the channel member, one leg being free, and the free leg extending downwardly past the two flanges of the channel and forcibly deflected between the flanges whereby to force it against the flanges and rigidly secure it to the channel member.

2,003,804
LENS
Robert N. Falge, Birmingham, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 21, 1932, Serial No. 623,693
6 Claims. (Cl. 240—8.3)

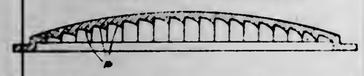
1. A signal lamp comprising a housing, a source of light in the housing, a lens over the housing

comprising a plurality of lenticular rings provided with back reflecting configurations lying in the space between adjacent rings and being shielded by the rings from direct rays from the



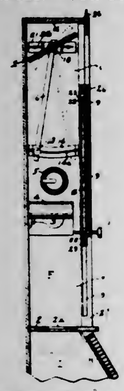
source, the lenticular rings distributing light from the source in the form of a signal beam, while the configurations return a signal beam when illuminated from an outside source.

2,003,805
HEADLAMP
Robert N. Falge, Anderson, Ind., and Charles E. Godley, Ypsilanti, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 26, 1933, Serial No. 667,958
3 Claims. (Cl. 240—41.4)



3. In a headlamp, light distributing means including a plurality of transversely extending superimposed zones extending from one side to the other thereof, one of said zones being provided with asymmetrical flutes for spreading light to one side of the road only, the light deflecting action at one margin of each of the flutes increasing as the center line of the lamp is approached.

2,003,806
OPTICAL APPLIANCE
Orval W. Lee, Spokane, Wash.
Application June 19, 1933, Serial No. 676,454
17 Claims. (Cl. 88—20)



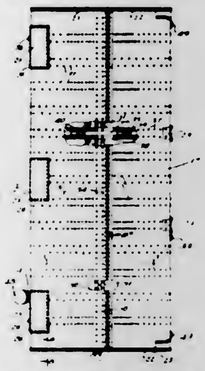
17. In an optical appliance, a cabinet having therein a fixed horizontal test-object holder and means for illuminating the test-object holder, a vertically spaced reflecting mirror above said holder, said mirror having a horizontal supporting axis and means for adjusting the mirror on its axis, said cabinet having a front opening, a vertically movable panel supported in the walls of a portion of the opening, an observation mirror supported on the panel, and a laterally spaced test-object holder having a horizontal supporting axis and means for adjustment on said axis.

2,003,807
ILLUMINATION OF INSTRUMENT DIALS
John H. Little, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 29, 1934, Serial No. 708,750
3 Claims. (Cl. 240—8.16)



1. The combination of an instrument dial having oppositely inclined edges bearing indicia and a light source at one side of the dial substantially in line with one of said side portions and arranged so that corresponding portions on opposite sides of the dial receive substantially equal amounts of illumination.

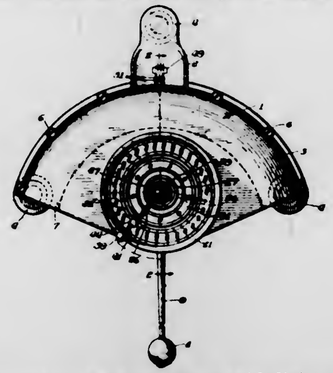
2,003,808
LIQUID TANK
Joseph J. Mascuch, Newark, N. J.
Application June 5, 1933, Serial No. 674,284
7 Claims. (Cl. 220—71)



1. A liquid tank formed of thin gauge metal, tubular re-inforcing ribs secured to the inner face of the tank, floating connecting members disposed in the tubular ribs and stay rods having their ends connected to the floating means.

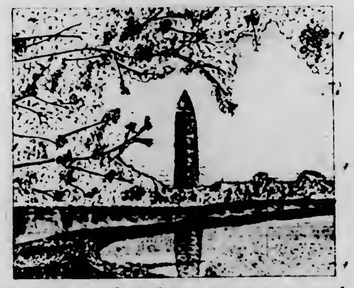
2,003,809
GOLF GAME
David Powell, Chicago, Ill.
Application March 25, 1933, Serial No. 662,649
17 Claims. (Cl. 273—35)

1. A simulated golf game comprising a base, an arm pivotally carried by said base, a ball supported by said arm in position to be struck by a golf club, an indicator actuated by said arm, said indicator being adjustable relatively to said arm, an adjustable dial associated with said indicator, said dial being graduated to indicate relative distances, an additional indicating device with reference to which said dial is adapted to be adjusted, and means arranged to give a signal when



said indicator advances upon said dial to a position determined by said additional device.

2,003,810
PROCESS OF EMBROIDERING FABRICS
August Ruesch, New York, N. Y.
Application April 7, 1934, Serial No. 719,476
1 Claim. (Cl. 2—278)



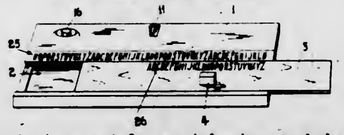
The process of making an ornamental fabric which consists of uniting a canvas sheet to the back side of a velour sheet by cement and pressure to cause substantial coalescence, stitching the main features of the design with differently colored silk yarns in conformity with a predetermined design, extending the stitches to unequal distances outwardly beyond the velour and closely against the backing sheet whereby a raised perspective effect is obtained, and manually applying color pigments to selected portions of the velour facing.

2,003,811
HAIR WAVING DEVICE
Ernest L. Smith, San Francisco, Calif.
Application June 22, 1933, Serial No. 677,046
19 Claims. (Cl. 132—36)



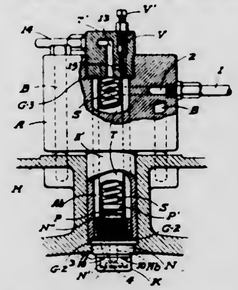
1. In a hair waving apparatus, a curling member upon which a strand of hair is wound in spiral form, another member extending along said curling member and rotatable about said curling member, and a flexible element interposed between said members and engaged by said other member to bear against hair wound on said curling member and pull said wound hair about said curling member to tighten said wound hair upon rotation of said other member.

2,003,812
INSTRUMENT FOR ENCIPHERING AND DECIPHERING
Norman Alexander Smith, Adelaide, Australia
Application January 5, 1934, Serial No. 705,374
In Australia January 28, 1933
6 Claims. (Cl. 35—3)



1. An instrument for enciphering and deciphering comprising, a base member having the letters of the alphabet displayed along its face, a slide member slidably supported in the base member and having the letters of the alphabet displayed along its face adjacent the letters upon the base member, a rotatable member carried upon a pin on the base member, and having the letters of the alphabet upon it, and gearing connecting the rotatable member to the slide member.

2,003,813
ATOMIZER
John Leonard Taylor, Kenosha, Wis.
Application March 24, 1930, Serial No. 438,391
13 Claims. (Cl. 299—107.6)



1. In an atomizer the combination of a body portion provided with a fluid supply passage, a cylinder bore in said body portion, a piston valve reciprocatively supported in said bore, a plurality of fluid discharge passages so located as to be covered by said piston valve in one position thereof, and uncovered by reciprocations of said valve to communicate with said fluid supply passage, a plurality of fluid discharge orifices in said body portion at least a part of said orifices being spaced axially of said piston valve from the points at which said passages communicate with said bore, and directed in paths transverse to said discharge passages with which said passages communicate, a valve seat in said body portion, and a portion on said piston valve formed to cooperate with said seat, a spring arranged to yieldingly maintain said portion seated on said seat, a duct leading from said supply passage to said bore at a point at one side of said seat beyond an end of said piston valve in position to subject said end to fluid pressure in opposition to said spring, said discharge passages opening out of said bore on the other side of said seat, said passages being spaced from

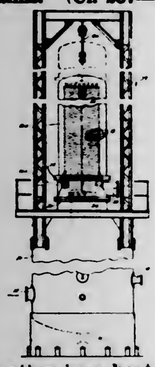
each other where they leave said bore in such a manner as to be uncovered successively upon movement of said piston valve under the influence of fluid pressure from said duct acting upon said end of said piston valve in opposition to said spring.

2,003,814
OIL ENGINE ATOMIZER
John Leonard Taylor, Milwaukee, Wis.
Application November 9, 1931, Serial No. 573,925
10 Claims. (Cl. 299—107.5)



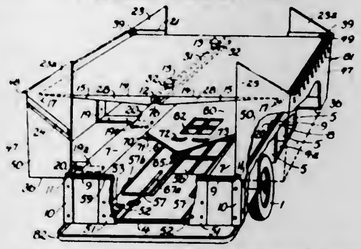
1. In an atomizer for an oil engine the combination of a body member having an extension terminating in a substantially cylindrical spraying head projecting into an engine combustion chamber, said body member having a bore therein extending into said extension and spraying head, a fluid supply passage leading into said bore, a piston valve slidable in said bore and having a passage therethrough freely communicating through said bore with said fluid supply passage, and a plurality of spraying orifices in the cylindrical walls of said spraying head intersecting said bore in position to be covered and uncovered by said valve, upon sliding movement thereof, said orifices being supplied with fluid, when uncovered, through said fluid supply passage, said bore, and said passage in said piston valve, whereby full fluid pressure is made available directly at said orifices immediately upon opening thereof and until the instant of closing thereof.

2,003,815
COMBINED SEPARATOR AND HEAT EXCHANGER
George A. Worn, Montclair, N. J., assignor to The Lummus Company, New York, N. Y.
Application April 27, 1933, Serial No. 668,144
2 Claims. (Cl. 257—223)



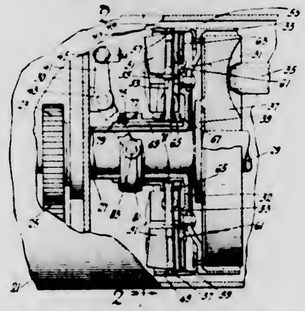
1. The combination in a heat exchanger of a base ring having a wide central opening and a side opening, a casing on said ring, a tube bundle supported from said ring and extending into said casing, connections whereby one fluid may pass through said bundle and baffling means whereby another fluid passing through the central aperture in said ring may pass over said bundle and out through said side opening.

2,003,816
CAMP TRAILER
Rufus S. Allen and Ben Oakes, Detroit, Mich.
Application July 17, 1934, Serial No. 735,570
7 Claims. (Cl. 296—23)



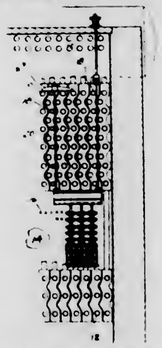
1. In a camp trailer of the character described, boxlike folding housings with air spaced walls for the circulation of air into an air conductor extending to each corner of said housings, said housings forming a portion of the upper side walls, ends, and gables, supported and swinging on a rabbeted friction water tight bearing extending from end to end of said trailer and said housings, pivot bolts to keep said friction joint in alignment, combination wall braces and stop arms to limit swinging movement, said housings adapted to swing to an open position or to a closed position, an upturned edge on top of one housing and an inverted trough or groove on the other housing, said inverted trough or groove adapted to close over said upturned edge, a set of slidable roof roller hangers attached to inside of each housing corner, a set of spring roof rollers, double canvas air spaced ventilating roof members, a hollow ridge pole with inlet venting openings and hooded venting outlet openings on its top, said ridge pole has an inverted groove extending full length along its bottom, flanges extending along the bottom of said ridge pole at each side of said inverted groove, said hollow ridge pole having closed ends, means for attaching top canvas to top of ridge pole and lower canvas to flanges on ridge pole and the canvas on the spring rollers, a combination platform and tail gate with a rabbeted shelf along its outer top edge, a door frame rigidly attached at right angles to said platform, an entrance door and window hinged within said frame, auxiliary end closures hinged to outer side of said door frame, said door frame extending up to form a portion of the gable, a frame with slidable guide pin attached to topmost portion of door frame, said sliding guide pin contacting the inverted groove on said hollow ridge pole, means for shifting the ridge pole above top of gables or below top of gables, a combination front end unit comprising a window frame, a window, and auxiliary front end door closure, a slidable guide pin attached to top of said window frame and adapted to contact the groove in the ridge pole and raise and lower the front end of roof unit, said window frame resting and swinging on a rabbeted shelf across the top of box of trailer, pivot alignment bolts at each end thereof, said window frames adapted to swing from a vertical position to a horizontal central position over the floor, said front end unit when in a horizontal position supporting the ridge pole in a position for the closing of boxlike roof housings, means for locking said front end unit in a horizontal position and means for locking ridge pole on said window frame substantially as described.

2,003,817
DISK SPRING GOVERNOR
John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 21, 1934, Serial No. 712,308
11 Claims. (Cl. 264—15)



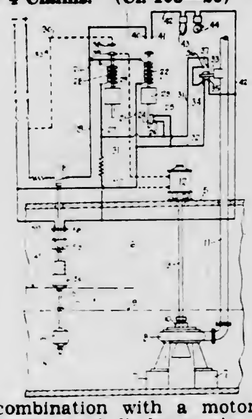
1. In a governor, a resilient annulus, flyweights operatively connected to the inner periphery of said annulus and mounted to move under the influence of centrifugal force and thereby to move said inner periphery, means to restrain the outer periphery of said annulus from movement to an extent commensurate with the movement imparted to the inner periphery by said flyweights.

2,003,818
SUPERHEATER BOILER
Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Application March 7, 1932, Serial No. 597,177
6 Claims. (Cl. 122—478)



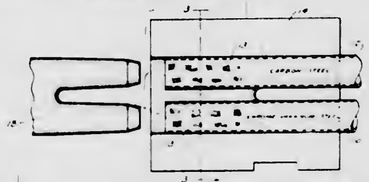
1. A boiler having a generating bank of tubes of the straight horizontally inclined type and in which the majority of the tubes are of uniform size and staggered in the vertical direction to such an extent as to eliminate, so far as the majority of the tubes are concerned, vertical lanes of sufficient width to accommodate supporting members, but having certain tubes of smaller size than the majority, said smaller tubes having an arrangement relatively to the remainder of the tubes of the bank such as to provide narrow vertical lanes through the bank adapted to receive supporting members.

2,003,819
SAFETY DEVICE FOR CENTRIFUGAL PUMPS
Ira Archer, Brooklyn, N. Y.
Application April 22, 1933, Serial No. 667,426
4 Claims. (Cl. 103—26)



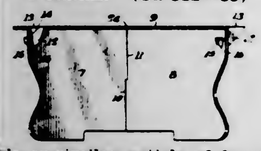
1. The combination with a motor operated centrifugal pump and discharge pipe for maintaining water in a chamber at a minimum level, of a circuit for said motor, a float and float rod in the chamber operable by a rise of water to close a self-opening float switch, a control circuit for said motor circuit including said self-opening float switch and a motor circuit maintaining member, a time relay for breaking the control circuit at a predetermined time, a switch operable by the water pressure in the discharge pipe for completing said control circuit before the same is broken by said relay, and an auxiliary float and float operated means for completing said control circuit upon an abnormal rise of water in the chamber.

2,003,820
METHOD OF MAKING WELDED ARTICLE
Thomas F. Birmingham, Hammond, Ind., assignor to The Superheater Company, New York, N. Y.
Application January 2, 1932, Serial No. 584,499
2 Claims. (Cl. 29—157.6)



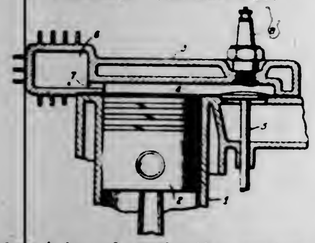
1. The method of forming articles having portions of chrome-vanadium steel united directly to portions of carbon steel which comprises covering with a flux of the type which is non-fluid at ordinary atmospheric temperatures the sections of chrome-vanadium and carbon steels to be welded, cutting said sections while at welding temperature and quickly pressing together fresh surfaces of carbon steel and of chrome-vanadium steel so provided to weld them together.

2,003,821
TABLE OR SIMILAR ARTICLE OF FURNITURE
Valerie F. Blake, New York, N. Y.
Application December 8, 1933, Serial No. 701,429
4 Claims. (Cl. 311—35)



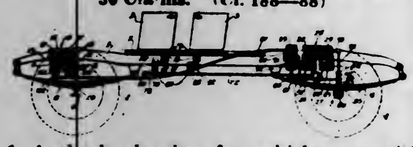
2. A table or similar article of furniture, comprising a top member and angularly related base members supporting the same, said top member having hinges over said base members providing lug portions at the edge of the top member foldable downwardly over the base members and said lug portions and base members having companion hook elements including undercut shoulders interlocking to secure the parts in the flexure of said lugs on the hinge lines aforesaid.

2,003,822
MEANS FOR AVOIDING THE DELETERIOUS EFFECT OF DETONATION IN INTERNAL COMBUSTION ENGINES
Oswald C. Brewster, Kansas City, Mo., assignor to Brewster Development Corporation, New York, N. Y., a corporation of Delaware
Application September 21, 1931, Serial No. 563,972
3 Claims. (Cl. 123—191)



1. In an internal combustion engine, a cylinder head adapted to form a compression space with the piston, ignition means located in said compression space, a chamber communicating with said compression space through an orifice of reduced diameter, adapted to receive a portion of the fuel, said chamber being positioned at a point substantially most remote from the ignition means whereby the fuel contained therein will be ignited subsequent to the burning of the fuel in said compression space, whereby detonation will be substantially segregated in said chamber, and the shock of detonation on said piston will be reduced by said orifice.

2,003,823
SHOCK ABSORBER
Herbert E. Bucklen, Elkhart, Ind., and Joseph N. Mahoney, Brooklyn, N. Y.
Application December 12, 1930, Serial No. 501,806
30 Claims. (Cl. 188—88)



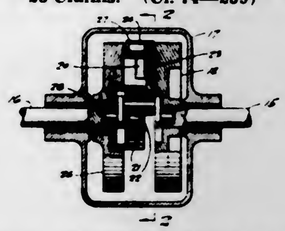
1. A shock absorber for vehicles comprising means having a part carried by said vehicle and establishing a variable resistance to relative motion between the vehicle body and the axle, and means disposed forward of the first mentioned means for controlling said resistance in accordance with the dynamic load, said last mentioned means including a movable member responsive to vertical vibration of a portion of the vehicle body in advance of said first mentioned means.

2,003,824
PLAQUE
John V. Cavalero, Bloomfield, N. J.
Application May 31, 1934, Serial No. 728,232
2 Claims. (Cl. 40—152.1)



1. In a plaque, a backing on the face thereof having a display secured thereto, an easel frame, a rear pad and a metal body between said backing and said rear pad and a transparent cover having its edges and the edges of said backing turned over and around the turned over edges of said metal body and clamped thereunder and between said easel frame whereby said metal body is completely obscured and covered on both the front and rear face of said plaque.

2,003,825
TORQUE TRANSMISSION DEVICE
Robert V. Derrah, Beverly Hills, Calif.
Application May 13, 1933, Serial No. 670,830
23 Claims. (Cl. 74—259)

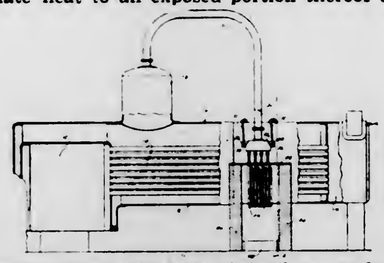


1. A torque transmission device comprising a driven rotor; a planet gear meshed with said driven rotor and constrained to revolve about the axis of said driven rotor; a revolving driving member coaxial with said driven rotor; a floating rotor coaxial with said driven rotor; a crank and connecting link securing said planet gear and said floating rotor, a link connecting said crank and driving member; said crank and link vibrating said floating rotor and shifting the position of the force reactions of said floating rotor on said planet gear in such manner as to react on said driven rotor with a tendency to unidirectional rotation of the latter.

2,003,826
OIL FIELD SUPERHEATER
Frederic I. Epley, North Pelham, N. Y., assignor to The Superheater Company, New York, N. Y.
Application September 11, 1933, Serial No. 688,903
3 Claims. (Cl. 122—485)

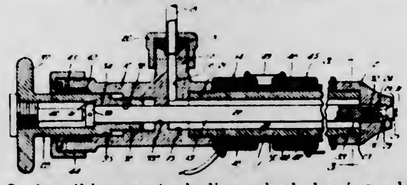
1. The combination with a boiler having an internal fire box and a cylindrical external shell

portion of a group of superheater units supported beneath said shell portion in positon to readily radiate heat to an exposed portion thereof and



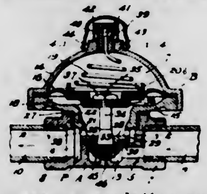
extending from side to side thereof, means forming with the under surface of said shell a furnace chamber enclosing said units, and firing means for said chamber.

2,003,827
OIL BURNER
William M. Esterling, Long Beach, Calif., assignor, by direct and mesne assignments, of fifteen per cent to Henry Walters, fifteen per cent to Mary P. Walters, five per cent to Charles Kling and/or Ida M. Kling, eighteen per cent to Bessie M. Cone, two per cent to Z. B. West and Franklin G. West, known as West & West, and twenty per cent to Ruben F. Wussow, Santa Ana, Calif.
Application August 7, 1931, Serial No. 555,672
3 Claims. (Cl. 299—131)



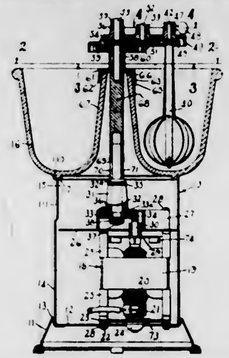
2. An oil burner including a body having a longitudinal passage, an oil inlet communicating with said passage, a stem shiftably guided in said passage, a valve head threadedly connected with the stem for cooperating with said passage, rotatable means for longitudinally shifting the stem and controlling the discharge from said passage, and a swivel connection between the stem and said means allowing relative rotation.

2,003,828
PRESSURE REGULATING AND FILTERING DEVICE FOR FLUIDS
Victor Ey, New York, N. Y.
Application October 17, 1934, Serial No. 748,602
4 Claims. (Cl. 50—23)



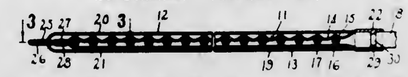
1. A fluid pressure regulating and filtering device including a base member adapted to join the sections of a fluid pipe line to form a continuation of said line, said base section having inlet and outlet ports and a recess opening through one side thereof and communicating with the outlet port, and a filter well communicating respectively with the recess and the inlet port; a pressure regulator unit detachably associated with the base member and including a casing adapted to close and seal the recess, said casing having a valve controlled apertured wall covering the filter well and a filter element adapted to be introduced into the well through the recess and adapted to surround the aperture of the wall and retained in place therein by said wall.

2,003,829
MIXING APPARATUS
Alfred C. Gilbert, North Haven, and Arthur A. Arnold, New Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 28, 1931, Serial No. 577,754
12 Claims. (Cl. 259—102)



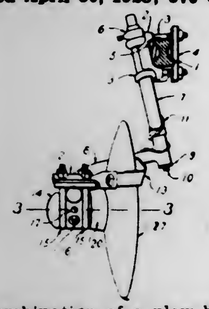
1. In a material treating machine, a vertically disposed electric motor structure, relatively flat horizontal plates mounted one on either end of said motor structure and supported thereby, a casing connected to and extending upwardly from one of said plates and beyond the other plate, said casing and plates substantially enclosing said motor structure, the upper plate being slightly spaced from the inner walls of the casing to permit the passage of air therebetween, a bowl on the upper end of said casing, a material treating element within said bowl, and means connected to said motor structure and extending upwardly through said bowl for driving said element.

2,003,830
HEATING PAD
Alfred C. Gilbert, North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 28, 1931, Serial No. 577,755
29 Claims. (Cl. 219—46)



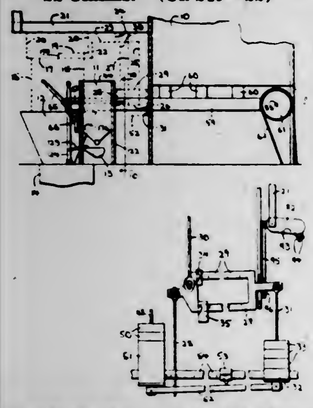
1. In a heating pad, a sealed envelope of plastic material, a flat relatively thin resistance heating element mounted loosely in the envelope, and means for attaching one of the edge portions of the heating element to the envelope comprising means attached to the heating element and embedded in the material forming the envelope and at one end thereof.

2,003,831
SELF-ALIGNING DISK JOINTER
Archie H. Glaves, Toledo, Ohio, assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America
Application January 24, 1935, Serial No. 3,337
2 Claims. (Cl. 97—217)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



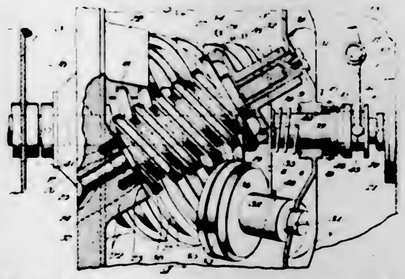
1. The combination of a plow beam, a jointer shank having an intermediate portion normally disposed horizontally and having vertical terminal portions, the rear terminal portion extending upwardly and the front terminal portion extending downwardly, means for adjustably, securely affixing the rear terminal portion to the side of the plow beam, a swivel arm normally disposed horizontally and fitted upon the front depending terminal of the jointer shank, a plate rigidly attached to the free end of the swivel arm, a hub detachably secured to said plate, an axle retained by said hub, and a concaved disk rigidly mounted on the axle, and so positioned that its cutting edge is angularly offset from the front terminal portion of said shank.

2,003,832
WEIGHING AND MIXING MECHANISM
Douglas C. Jeffrey and Henry J. Wolfe, Akron, N. Y., assignors to Universal Gypsum & Lime Co., Chicago, Ill., a corporation of Delaware
Application December 21, 1932, Serial No. 648,180
22 Claims. (Cl. 249—22)



1. In a mechanism of the type described, the combination of two containers, means for supporting said containers and connecting them together adapted to cause said containers to have vertical movement with respect to each other when the ratio of the weight of the materials in one container to the weight of the materials in the other container passes a predetermined critical value, feeding means for each of said containers adapted upon operation to deliver materials to said container, means actuated by a downward movement of one of said containers for automatically stopping the operation of the feeding means for said container when the weight of the materials in said container reaches a predetermined maximum, and means adapted upon a relative vertical movement of said containers for automatically stopping the operation of the feeding means for the other container when the ratio of the weights of the materials in the respective containers reaches said predetermined critical value.

2,003,833
FREE WHEELING CLUTCH
Delbert L. Lotts, Chicago, Ill., assignor, by direct and mesne assignments, to General Research Corporation, Chicago, Ill., a corporation
Application October 19, 1931, Serial No. 569,620
24 Claims. (Cl. 192—48)



24. In a free wheeling clutch, a driving shaft, a driven shaft, a worm associated with said driven shaft, a worm associated with the driving shaft and meshing with the first mentioned worm, and means to selectively cause said worms to lock relatively to each other or idly rotate, the inclination and hand of the teeth of said two worms being the same.

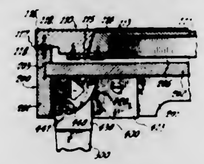
2,003,834
GAME TABLE
John Kearsley Mitchell, Villanova, Pa.
Application May 18, 1933, Serial No. 671,609
9 Claims. (Cl. 311—106)



1. A table top of the type described comprising a frame-work, a flat central member hinged to said framework, and an outer frame hinged directly to the frame-work and adapted when lowered to fit closely around the central member so as to stretch and hold in place a fabric cover spread over the central member.

2,003,835
FOLDING LEG CONSTRUCTION
John Kearsley Mitchell, Bryn Mawr, Pa.
Application May 28, 1934, Serial No. 727,870
11 Claims. (Cl. 311—99)

3. A hinge construction for folding table legs comprising an angular corner member having a base plate and depending side wall plates forming a trihedral angle, a socket member comprising spaced cam plates disposed in said trihedral angle and secured to said corner member, a plu-



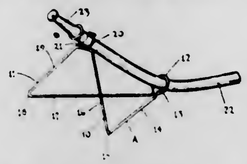
rality of external and internal cam surfacings formed on the cam plates adapted to receive and seat guide and locking pins of an associated table leg.

2,003,836
FOLDING LEG CONSTRUCTION AND LOCKING MEANS THEREFOR
John Kearsley Mitchell, Bryn Mawr, Pa.
Application May 28, 1934, Serial No. 727,871
6 Claims. (Cl. 311—82)



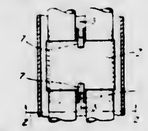
6. A locking mechanism for folding table legs, comprising separate spring-urged means for separately moving the legs into operative position, means on the legs for releasably engaging and holding each other in a mutually interlocked train, and separate spring locked means on at least one of the leg members for retaining the train of leg members in folded, inoperative position.

2,003,837
NOZZLE HOLDER
Joseph A. Skoglund, St. Paul, Minn.
Application September 24, 1932, Serial No. 634,681
2 Claims. (Cl. 248—83)



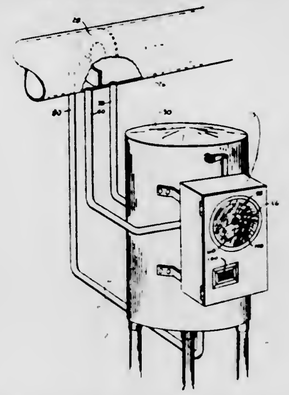
2. A nozzle holder comprising a stand constructed solely of a single length of wire bent intermediately thereof to form an upstanding eye for the reception thereinto of a portion of a hose, said wire being further bent to provide base portions diverging forwardly from said eye and legs converging upwardly from said base portions, said wire being still further bent to provide opposed jaws at the free extremities of the legs, the legs being adapted to be crossed at their upper ends to flex the wire throughout said legs, base portions and eye for receiving and yieldingly gripping said hose at another portion thereof, the flexing of said eye including the springing of opposite portions thereof out of the plane normally occupied thereby.

2,003,838
SUPERHEATER SUPPORT
Bert Smith, Teaneck, N. J., assignor to The Superheater Company, New York, N. Y.
Application March 1, 1933, Serial No. 659,026
2 Claims. (Cl. 248—68)



1. A support for two parallel superheater pipes arranged in a horizontal plane in a flue, comprising two sheet-metal parts which together encircle each of the two pipes contacting with each pipe along its entire circumference, one of the parts extending around the upper portion of the pipes and entering into the space between the two pipes substantially to said horizontal plane, the other of the two parts extending around the lower portion of the pipes and entering into the space between them to contact the first part, means to secure the contacting portions together comprising two tongues unitary with one of the parts and bent around edges of the other part, the two parts being further secured together at two other points adjacent respectively to the lower outer quarters of the pipes, the lower of said parts having its ends extended and bent to form rests to engage the flue.

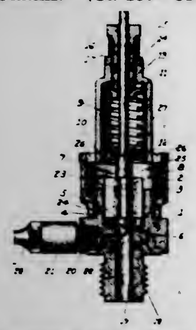
2,003,839
APPARATUS FOR METERING THROUGH THE MEDIUM OF THE VERSED SINE
Ed S. Smith, Jr., Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application August 6, 1930, Serial No. 473,391
19 Claims. (Cl. 73—167)



1. In a meter for continuously indicating the product of the square roots of several quantities, pivoted members, means to move each of said pivoted members through angles the versed sines of which are proportional respectively to said quantities whereby the angular position of said pivoted members may indicate substantially the square roots of said respective quantities, means coacting with said pivoted members to modify the movement of each of the respective pivoted members to cause them to follow the true substantially square root relation of said quantities, multiplying means actuated by said pivoted

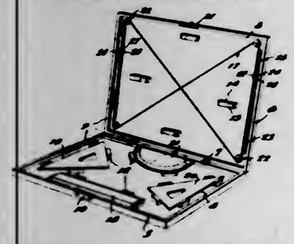
members to automatically multiply the square roots of said respective quantities and indicating means actuated by said multiplying means.

2,003,840
LUBRICANT SEALED SEAT
Alfred K. Sorensen, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 29, 1932, Serial No. 601,815
2 Claims. (Cl. 137—53)



1. In a valve comprising a casing, an inlet passage in said casing, a valve seat at the upper end of said passage, a substantially lateral port extending through the wall of the said casing and opening into the said passage in proximity to the said valve seat, a valve closure member to normally engage said seat, a seal in said passage at the juncture of the said closure member and the wall of the said passage, means positioned exteriorly of the said casing for conducting a sealing medium through said port and into the said passage, the said sealing medium being forced into contact with the said closure member and the wall of the said passage to form the said seal by the pressure of a fluid in said inlet passage.

2,003,841
DRAWING BOARD
Rasmus L. Sorensen, Cincinnati, Ohio
Application August 13, 1931, Serial No. 556,840
Renewed December 1, 1934
1 Claim. (Cl. 33—80)

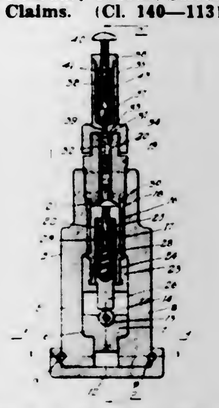


In a device of the class described, superimposed slabs hinged together, a straight edge element disposed across the outer face of one of said slabs, the inner face of said slab having a recess therein, an endless cable contained in said recess, pulleys in the recess mounting said cable, said cable disposed on said pulleys with portions of the length thereof movable in the same direction and respectively disposed adjacent and along the side edges of said slab on which the straight edge element is mounted, and attaching devices extending through slots adjacent the side edge of said slab securing the ends of said straight edge element respectively to said portions of the cable, said second slab forming with the first slab, a housing whereby the cable and pulleys are enclosed between the slabs, the straight edge element being maintained by said cable to move in parallelism to itself.

2,003,842
PROCESS FOR THE MANUFACTURE OF 2'-NITRO-2-CARBOXY-DIPHENYLAMINE
Louis Spiegler, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1933, Serial No. 699,406
6 Claims. (Cl. 260—109)

1. In the preparation of 2'-nitro-2-carboxy-diphenylamine wherein anthranilic acid is reacted with an alkali-metal carbonate in the presence of o-nitro-chlorobenzene and heated in the presence of a catalyst at temperatures of from 185–205° C., the step which comprises using a sufficient excess of o-nitro-chlorobenzene in the mass during the final stage of the reaction to maintain the mass in a fluid condition.

2,003,843
POWER PRESS
Robert Temple, Jr., Denver, Colo., assignor to Robert Temple, Inc., Denver, Colo., a corporation of Colorado
Application February 8, 1932, Serial No. 591,540
31 Claims. (Cl. 140—113)

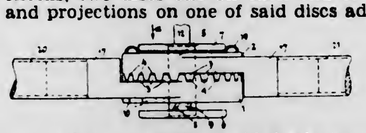


1. In a press of the character described, a frame having a cylinder, an anvil on the frame, a hammer piston in the cylinder to act upon work on the anvil, and a pressure member on the piston, adapted to subject the said work to pressure during action of the hammer to prevent the displacement of the work by said action.

2,003,844
FOLDABLE STRETCHER
Fritz Tintner, Vienna, Austria
Application August 14, 1933, Serial No. 685,071
In Austria August 26, 1932
2 Claims. (Cl. 287—14)

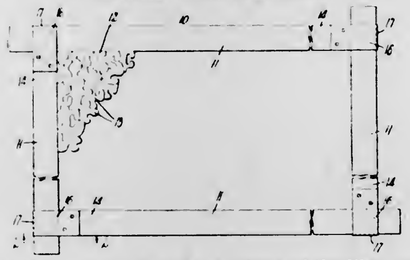
1. A hinge joint especially for foldable stretchers, comprising in combination two cheeks, radial teeth arranged in a circle on the adjacent sides of said cheeks, one of said cheeks provided with

recesses on its outer side, a bolt loosely connecting said cheeks, two discs one on each end of said bolt, and projections on one of said discs adapt-



ed to normally press together said cheeks to maintain said teeth in engagement and to enter the recesses in said cheeks to allow said cheeks to move apart and disengage said teeth.

2,003,845
ADJUSTABLE FRAME FOR JIG-SAW PUZZLES
William H. Whitcomb, Newtonville, Mass.
Application March 9, 1933, Serial No. 660,078
7 Claims. (Cl. 273—157)



1. A frame for jig-saw puzzles and the like comprising, in combination, a plurality of side members in one piece and of uniform thickness, and a pair of guide members mounted at an end of each side member and adapted to yieldingly grip the opposite faces of another side member and position said side members perpendicular one to another.

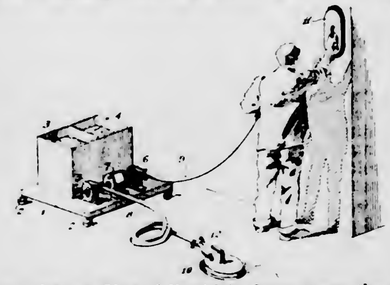
2,003,846
METHOD OF FORMING SPECTACLE FRAMES
Arthur J. Wolff, Hartford, Conn.
Application March 17, 1933, Serial No. 661,219
4 Claims. (Cl. 88—43)



3. The process for constructing spectacle frames that consists in obtaining a cast of the nose while in repose and undistorted, placing a band of disintegrating material of the same shape as the bridge of the spectacle frame on said cast, forming a mold over said cast and band, then removing the band, then filling the space occupied by the band with material to produce a bridge, and then securing said bridge thus produced to the spectacle frame.

2,003,847
WASHING DEVICE AND METHOD
Charles S. Woods, Shaker Heights, Ohio
Application September 21, 1932, Serial No. 634,217
3 Claims. (Cl. 15—269)

1. The method of removing dirt from a surface which comprises first applying cleaning liquid to the surface at a uniform rate that permits only a film of liquid to form on said surface, simultaneously scrubbing the dirt and film, then permitting the cleaning liquid to partially evaporate, and thereafter applying a rinsing liquid to the surface at such a rate that it co-mingles with the remaining cleaning liquid and permits no



more than a film of liquid to form upon the surface, and simultaneously with the application of said rinsing liquid wiping from the surface some of the co-mingled cleaning liquid and the dirt.

2,003,848
FLEXIBLE COUPLING
John R. Grundy, Philadelphia, Pa., assignor to Charles Bond Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1928, Serial No. 260,052
6 Claims. (Cl. 64—96)



1. The combination in a coupling for connecting substantially aligned shafts, of a pair of coupling members each adapted to be secured to one of said shafts, each of said coupling members having projecting lugs intermeshing with the lugs on the other coupling member, the adjacent lugs on opposite coupling members being provided with flat surfaces lying parallel to a plane midway between them containing the axis of one of said shafts, and a resilient power transmitting member mounted between said coupling members and having radiating arms of resilient material contacting with adjacent flat faces of two of said lugs carried by opposite coupling members.

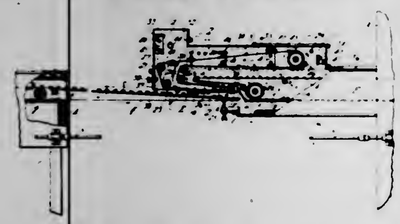
2,003,849
COLORED GRANULE
William H. Alton, New York, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 14, 1932, Serial No. 633,078
6 Claims. (Cl. 91—70)

3. In a method of coating granules of inert material with a solution of a salt capable of reacting to form an insoluble silicate and thereafter treating the granules thus coated with a solution of a reagent capable of reacting with the salt of said first solution to precipitate an insoluble silicate coating on the granule, and which contains added coloring matter; the step of washing the granules after the precipitation thereon of the insoluble silicate coating to remove soluble salts to an extent such that the granules when exposed to the weather will not effloresce.

2,003,850
COLORED GRANULE AND METHOD OF MAKING SAME
William H. Alton, New York, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1933, Serial No. 700,759
6 Claims. (Cl. 91—70)

1. The method of making colored granules which comprises coating granules with a solution of sodium silicate carrying coloring material, treating the coated granules with a precipitating salt solution to convert the soluble silicate into an insoluble silicate, washing the granules to remove water-soluble salts and calcining the resulting granules at a temperature sufficiently high to cause a reaction to take place between the silicate coating and the material of the granule so that a permanently colored coating is obtained.

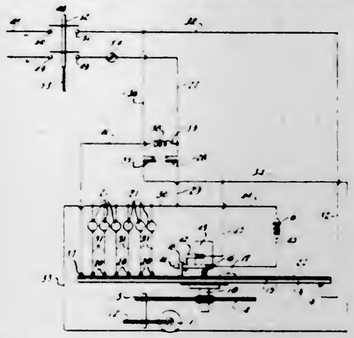
2,003,851
CONFECTION COATING MACHINE
Alonzo Linton Bausman, Springfield, Mass.
Application October 23, 1933, Serial No. 694,783
12 Claims. (Cl. 91—3)



1. In apparatus for the manufacture of coated confections, a pair of conveyers presenting upper stretches travelling in the same direction with the delivery end of one adjacent but above the receiving end of the other, an intermediate conveyer having a portion of its travel in the space between said ends and presenting in such portion of its travel upper and lower stretches which underlie and overlie respectively and move in the same respective directions as the lower stretch of the first conveyer and the upper stretch of the second conveyer, said conveyers carrying coated confections while their coatings are still workable and arranged for the transfer of confections from the lower stretch of the upper conveyer to the upper stretch of the underlying intermediate conveyer and from the lower stretch of the intermediate conveyer to the upper stretch of the lower conveyer, said intermediate conveyer having another portion of its travel wholly outside and remote from said space, and means for cleaning said intermediate conveyer in the last named portion of its travel.

2,003,852
SAFETY DEVICE FOR AUTOMATIC CONTROLS
William P. Beattie, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application December 29, 1931, Serial No. 583,698
5 Claims. (Cl. 200—46)

1. Automatic control apparatus of the class described and having a contactor-carrying base with a set of contactors yieldably mounted thereon, contactor means, means associating said contactor means and base to provide relative opening and closing movement therebetween, said contactors being arranged to yieldably contact said contactor means when the latter and said base are in closed relation, a program member having insulating parts and perforate parts, means for removably mounting said program member in overlying relation with said contactor means, means for driving said program member



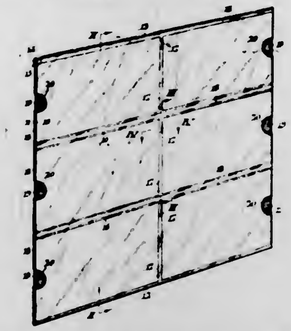
by way of said mounting means to cause its said parts movement in paths to control contact between said contactors and their said contact means, and means for controlling energization of said driving means dependent upon the said mounting of said program member between said base and said contactor means when the latter are in closed relation.

2,003,853
SPARE WHEEL CARRIER
Fred C. Burnett and Guy S. Adams, Jackson, Mich., assignors to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application September 18, 1933, Serial No. 689,800
10 Claims. (Cl. 224—29)



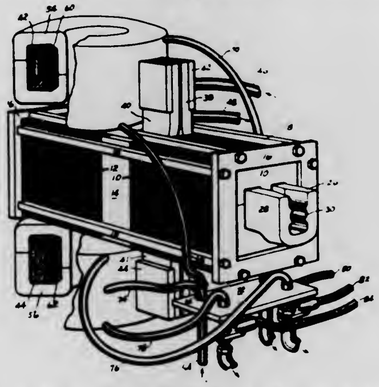
1. In a spare wheel carrier, the combination of a bracket, a ledge of hook-shaped cross section supported by said bracket on which the hub flange of the wheel is arranged to suspend the wheel therefrom, a fulcrum mounted on said bracket below said ledge and engageable with the rear face of said hub, and securing means located below said fulcrum and in substantially vertical alignment with said ledge, engageable with said hub and acting to rock the wheel upon said fulcrum to urge said hub into rigid engagement with said ledge.

2,003,854
DATA SHEET HOLDER
George D. Cox, Philadelphia, Pa., assignor to Williams and Marcus Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 19, 1933, Serial No. 666,804
5 Claims. (Cl. 129—16.7)



3. A data sheet or letter holder for filing cabinets, having the form of a flat rectangular envelope comprising a quadrangular sheet of stiff, transparent, tear-resistant material like cellulose acetate folded upon itself with the side edges of the folds coincident and the end edges joined to each other; and coincident internesting spot indentations formed from the opposite faces of the holder and connecting said faces at intervals to set apart pockets individually accessible for insertion or removal of the letters or data sheets through the open side edges of said holder.

2,003,855
ELECTRIC HEATER
Gustav Fredrickson, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 11, 1931, Serial No. 550,137
16 Claims. (Cl. 219—13)



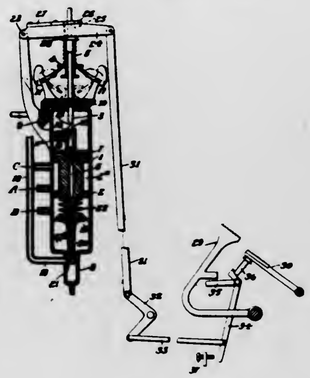
1. In an induction heater, a pair of straight side walls spaced apart to embrace and guide a piece of work therebetween and forming a portion of an induction loop, a core surrounding the side walls and the work-piece, and means for supplying alternating current to the induction loop to heat the piece and cause it to advance between the side walls; substantially as described.

2,003,856
BOX COVER ATTACHING CLIP
Conrad Gimbel, North Bend, Wash.
Application February 1, 1932, Serial No. 590,141
1 Claim. (Cl. 292—288)



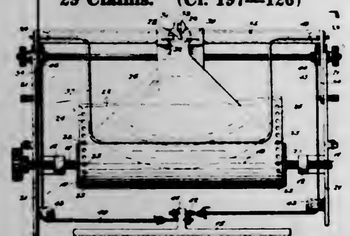
A cover attaching clip for an egg case, or the like, having a cleat attached to a wall of the case along an edge and a cover applied to the case with an end portion overlapping the cleat; said clip comprising a flat strip of resilient metal having a body portion with inwardly turned upper and lower end portions adapted, when the clip is functionally applied across the cleat, to overlie the end of the cover and to underlie the cleat, respectively, the lower end portion having a length equal to the thickness of the cleat and formed with an end hook to be embedded in the cleat, the upper end portions being formed at an acute angle with the body portion and said body portion being of a length equal to the width of the cleat plus the thickness of the cover so that application of the clip to the case will cause the upper end portion to be brought substantially to a right angle thereto, thus placing the clip under tension whereby the said end portions are caused to tightly grip against the cleat and cover.

2,003,857
CENTRIFUGALLY CONTROLLED VALVE
Jesse W. Hale, Newton Center, Mass.
Original application August 7, 1933, Serial No. 683,918. Divided and this application December 9, 1933, Serial No. 701,720
8 Claims. (Cl. 137—140)



8. A valve comprising a casing, a fluid inlet and fluid outlets above and below said inlet, a piston in said casing adapted to connect said inlet with one of said outlets, means responsive to engine speed in control of said piston, a member adapted to depress said means, detents to prevent premature movement of said piston, means in connection with one of said outlets to counteract the pressure of said compressible member, and a lock to prevent upward movement of said rod regardless of engine speed.

2,003,858
TYPEWRITING MACHINE
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 16, 1931, Serial No. 530,517
Renewed August 15, 1934
29 Claims. (Cl. 197—126)



23. A carbon holder for typewriting machines comprising a segment having at its periphery and extending therebeyond an arcuate strip of transfer material approximately equal in length to the line of writing of a platen and worksheets with which it is to be used.

2,003,859
PREPARATION OF QUINIZARINE
Henry E. Lee, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1934, Serial No. 708,251
5 Claims. (Cl. 260—58)

3. In the preparation of quinizarine wherein phthalic anhydride and para-chloro-phenol are condensed in concentrated sulfuric acid in the presence of boric acid, the step which comprises diluting the condensation mass with sufficient water to bring the sulfuric acid concentration to 55 to 70%, based on the initial charge of sulfuric acid used.

2,003,860
BITUMINOUS EMULSION
Kenneth E. McConnaughay, Indianapolis, Ind., assignor to Pre Cote Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application March 9, 1931, Serial No. 521,390
1 Claim. (Cl. 134—1)

The process of making a bituminous emulsion containing bitumen of two different degrees of hardness, which comprises suspending the harder bitumen in powdered form in a water solution of an alkali, melting the softer bitumen, adding saponifiable material to the softer bitumen, and then thoroughly mixing the melted softer bitumen and the saponifiable material with the alkaline solution in which the harder bitumen has been suspended.

2,003,861
PAVING MATERIAL AND PROCESS OF PREPARING IT
Kenneth E. McConnaughay, Indianapolis, Ind., assignor to Pre Cote Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application January 5, 1933, Serial No. 650,266
7 Claims. (Cl. 106—31)

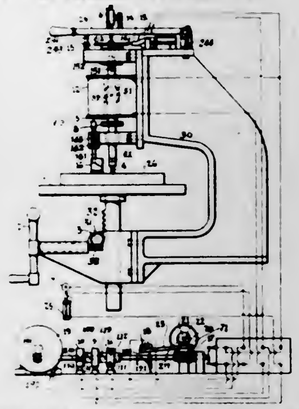
1. The process of producing a paving composition consisting of a mixture of aggregate and a bituminous binder, which comprises impregnating the surface of the aggregate particles with a liquid mixture of an oil miscible with said binder, a tar distillate, an emulsifying agent, and an inert thinner, and subsequently mixing the aggregate so treated with a bituminous binder, the amount of said liquid mixture applied to the aggregate being insufficient in quantity to leave on the surface of the aggregate any excess of said oil, said tar distillate, or said emulsifying agent.

2,003,862
MEAT PACKAGE
Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 21, 1933, Serial No. 676,837
1 Claim. (Cl. 206—46)



A sliced bacon package comprising a flat, central stiffening member, a plurality of overlapped slices of bacon folded about said stiffening member and a sheet of wrapping material holding the bacon in position on said stiffening member.

2,003,863
APPARATUS FOR DETERMINING TOUGHNESS OR RESISTANCE TO BREAKAGE OF ABRASIVE BODIES BY IMPACT
Romie Lee Melton and John Fitzpatrick, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application October 9, 1929, Serial No. 398,468
10 Claims. (Cl. 265—13)



4. Apparatus for determining the characteristics of abrasive or similar bodies, comprising in combination a table for supporting a body under test, a penetrating tool adapted to produce successive impacts on said abrasive article by falling from a predetermined height above said body, electromagnetic means for raising said tool to its original position after each fall and there releasing it, additional electromagnetic means for rotating the tool to a different angular position between each fall, means for controlling said electromagnetic means, comprising a rotary switch in circuit with each of said electromagnetic means, a shaft supporting said rotary switches, an electric motor for driving said shaft, a worm on said shaft, a worm gear in engagement with said worm, a cam driven by said worm gear, a switch in circuit with said electric motor and operated by said cam to stop said motor after a predetermined number of impacts of said tool and means for measuring the penetration of said tool into said abrasive article.

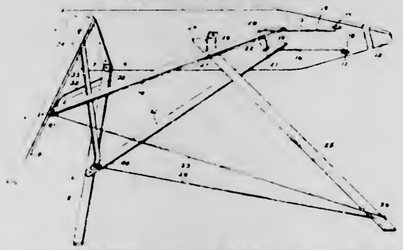
2,003,864
METHOD OF PERMANENT MOLD MANUFACTURE
Leo F. Nock, Elyria, Ohio
No Drawing. Application April 17, 1930, Serial No. 445,087
6 Claims. (Cl. 22—190)

1. The process of producing permanent molds comprising sucessively forming, in suitable material, complementary mold patterns, forming plastic mold elements from each pattern, pouring molten metal of low melting point and negligible coefficient of thermo-expansion into the mold elements, and applying to the resultant articles of low melting point metal, a plastic material comprising a high percentage of a heat resistant fibrous material, such as asbestos, to form molds, and then casting complementary non-ferrous metallic permanent mold elements, by pouring molten non-ferrous metal into molds so produced.

2,003,865
COMPOSITION FOR USE IN SOLDERING CHAIN LINKS
John E. Pilling, Providence, R. I.
No Drawing. Application July 29, 1932, Serial No. 626,222
2 Claims. (Cl. 148—24)

1. A composition of matter for use in the preparation of chains for soldering consisting of one part of powdered tin, two parts of powdered copper and three parts of borax.

2,003,866
IRONING BOARD
Jesse W. Richardson, Cincinnati, Ohio, assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio, a corporation of Ohio
Application August 26, 1932, Serial No. 630,561
7 Claims. (Cl. 68—10)



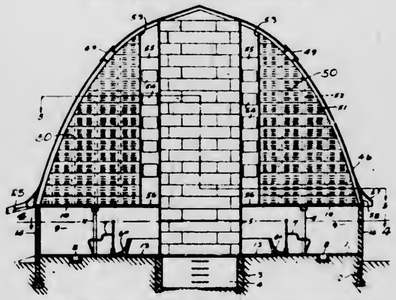
1. In a folding ironing table, a board, a pair of legs mounted on said board for swinging together and apart and toward and from the board, a pair of braces pivotally mounted at one of their ends intermediate the ends of said legs, a pair of links pivotally mounted intermediate the ends of said braces and on the bottom of said board so that the legs are limited to substantially the vertical position, or to a position flat against the bottom of said board, and a pair of cross braces pivotally mounted at one of their ends upon said legs and at their other ends upon said first braces at points intermediate the pivot points of the first braces with the legs and with said links.

2,003,867
METHOD OF MAKING CRYSTALLINE ALUMINA AND A COMPOSITION OF MATTER CONTAINING THE SAME
Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application September 22, 1933, Serial No. 690,589
25 Claims. (Cl. 23—142)

6. The process of removing traces of partially or difficultly reducible metal oxide impurities from a melt of alumina formed by the reduction of bauxite with carbonaceous reducing agents comprising the steps of incorporating in the furnace charge an easily reducible metal sulfide and an alkaline metal oxide and adjusting the sulfur content of the mixture so that after fusion and cooling the metal oxide impurities will be separated into a water-soluble or hydrolyzable matrix, the sulfide sulfur content of which is not over 2% by weight of the total melt.

25. As an article of manufacture, a solidified ingot containing upwards of 85% of pure crystalline alumina as discrete crystals in commercial grain sizes loosely cemented with a disintegratable matrix containing the sulfide of an alkaline metal associated with compounds of titanium and zirconium and in which the matrix contains from 25 to 40% by weight of aluminum sulfide, 25 to 70% of alkaline metal sulfide and zero to 35% of stable sulfides, and the total sulfide sulfur content is not over 3% by weight of the whole ingot.

2,003,868
BARN
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application March 16, 1933, Serial No. 661,031
4 Claims. (Cl. 119—16)



1. A hay enclosure having continuous inner and outer walls, means for dividing the enclosure into a plurality of vertical compartments, some of which are relatively wide for containing hay, and others are relatively narrow for forming air passageways, the latter being formed of vertically positioned foraminous walls for permitting the passage of air from one compartment of the hay enclosure to another.

2,003,869

APPARATUS FOR THE STERILIZATION AND STERILE FILLING OF VESSELS AND THE LIKE IN ONE CONTINUOUS WORKING PROCESS

Friedrich Stegemann, Bad Kreuznach, Germany, assignor to Seitz-Werke G. m. b. H., Kreuznach, Germany, a firm

Application July 3, 1933, Serial No. 678,944
In Germany July 14, 1932
17 Claims. (Cl. 226—110)



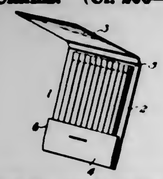
1. In an apparatus for the sterilization and the sterile filling of vessels and the like in one continuous procedure, in combination, a reciprocable filling member comprising a valve body and a hollow valve stem, said valve stem being also adapted to lead a sterilization agent and subsequently a scavenging agent into the vessels to be filled, and a device adapted to be set by the filling member during its downward stroke and to release the valve at a predetermined moment.

2,003,870

MATCH BOOK

Joseph F. St. John, Chicago, Ill.

Application January 26, 1934, Serial No. 708,467
2 Claims. (Cl. 206—29)



1. A safety match folder comprising a card of matches and a cover encompassing said card, said cover being folded to provide a back and overlapping front flaps, the lower front flap and said back embracing the lower edge of said card in fixed relation, the fold line portion between said back and said lower front flap being slit inwardly from the side edges thereof, the inner opposite portions bounding the said slit being surfaced with match-igniting material.

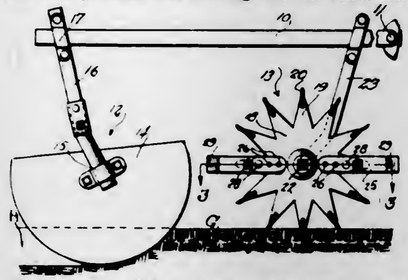
2,003,871

EARTH WORKING IMPLEMENT

Joseph Svatos, Yankton, S. Dak., assignor of one-fourth to Joseph Svatos, Jr., Yankton, S. Dak.

Application February 7, 1935, Serial No. 5,490
2 Claims. (Cl. 97—55)

1. In an earth working implement, the combination with a pivotally mounted beam, of a trenching shovel carried by the rear end of the beam, and a ground engaging member on the beam forwardly of the shovel and constructed and arranged to effect intermittent pivotal movement of the beam and elevation of the shovel above the ground line during the forward travel



of the implement for digging trenches in spaced relation, the ground engaging member comprising a star wheel and shoes carried by at least two points of the star wheel and projecting outwardly of the periphery thereof for effecting the pivotal movement of the beam.

2,003,872

SAFETY RAZOR

Arthur W. Thistlethwaite, Atchison, Kans.

Application February 9, 1933, Serial No. 655,968
3 Claims. (Cl. 30—12)



1. A safety razor including a guard, a coacting face plate for clamping a razor blade against the guard and provided with a depending threaded stud, the lower end of which is convex, a tubular handle threaded on said stud, a finger piece having a threaded socket opening through one end thereof, a longitudinally adjustable locking rod disposed within the handle and having its upper end provided with a concave seat for engagement with the convex seat of the stud and its lower end threaded in the socket in the finger piece and normally spaced from the end of said socket, said finger piece being adjustable longitudinally of the rod for varying the effective length of said rod when the parts are assembled and being formed with a shoulder for engaging the end of the handle and limiting movement of the finger piece and rod into the handle, and a nut threaded on the rod within the handle and engaging the adjacent end of the finger piece for holding the rod in different positions of longitudinal adjustment.

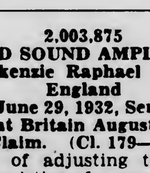
2,003,873

BOTTLE CLOSURE

Rudolph Weisbach, Los Angeles, Calif.

Application February 28, 1934, Serial No. 713,362
2 Claims. (Cl. 215—21)

1. A bottle closure comprising a tubular body open at its bottom and closed at its top, discharge openings being formed through walls of the body adjacent the closed top of the body, walls of the body being internally thickened below the discharge openings and at the upper end of the thickened portion being formed with an internal downwardly tapered conical portion constituting a valve seat, an inverted frusto conical valve in said body normally resting upon said valve seat and having a boss projecting upwardly at its center to engage the closed top of the



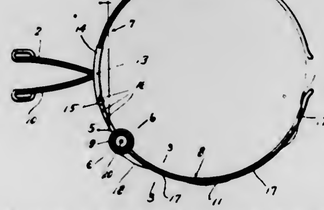
body and limit upward movement of the valve, said valve having depending guide wings disposed in intersecting relation to each other radially of the valve and slidably extending through the bore of the thickened portion to guide movement of the valve onto and off said seat and permit flow of liquid through the body about the valve to the discharge openings when the valve is off the valve seat.

2,003,874

CORN SHOCK HOLDING AND BINDING DEVICE

Ernest L. Bailey, Boscawen, N. H.

Refiled for abandoned application Serial No. 530,396, April 15, 1931. This application October 3, 1934, Serial No. 746,732
1 Claim. (Cl. 100—31)



In a hand grain shock binding and stalk retaining implement comprising a clamp including a pair of companion jaws, said jaws being of general semi-circular configuration and pivotally connected at one end, actuating handles formed integral with the pivoted ends of said jaw, a latch pivotally carried by one of the jaws adjacent the pivotal connection of the jaws and latch engaging means carried by the other jaw adjacent the pivotal connection.

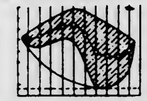
2,003,875

ADJUSTED SOUND AMPLIFICATION

Charles Mackenzie Raphael Balbi, London, England

Application June 29, 1932, Serial No. 620,019
In Great Britain August 18, 1931
1 Claim. (Cl. 179—107)

The method of adjusting the intensity-frequency characteristics of a sound delivered to a sound observing organ which comprises determining the maximum and minimum values respectively of sound intensity which said organ is capable of usefully observing for different values of sound frequency, determining for each of said frequencies the mean useful value of sound intensity as the mean of the maximum and minimum useful values for said frequency, and amplifying said sound intensity non-uniformly with



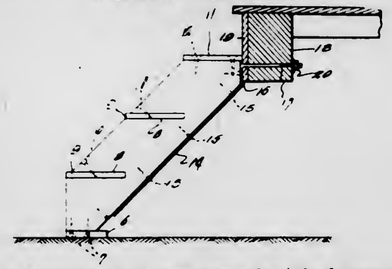
frequency in such a manner that sound of a given frequency is amplified by an amplification factor proportional to said mean useful value of sound intensity as determined for said organ for said frequency.

2,003,876

STAIRWAY

John Birtcher, Memphis, Tenn.

Application November 21, 1934, Serial No. 754,142
2 Claims. (Cl. 20—10)



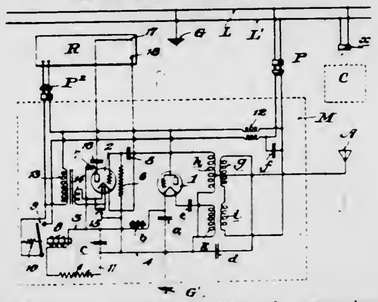
1. A stairway of the class described comprising a pair of stringers having slots, treads having end portions in the slots, an upper tread on the upper edges of the stringers, struts having bodies secured under the rear or bottom edges of the stringers and at their upper ends merging into upwardly disposed extensions which in turn merge into rearwardly directed bolts adapted to extend through openings in a beam or the like.

2,003,877

REMOTE CONTROL SYSTEM FOR RADIO BROADCAST RECEIVERS

Albert S. Blatterman, Asbury Park, N. J.

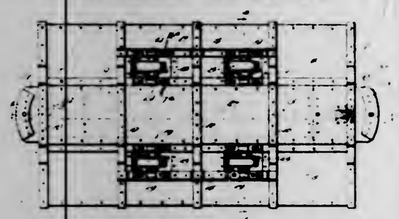
Application August 15, 1930, Serial No. 475,524
Renewed November 16, 1934
13 Claims. (Cl. 250—20)



1. The method of controlling the energization and operation of a radio receiver over power lines with which said receiver is connected which consists in generating at a point on the power lines remote from said receiver high frequency oscillating currents, of a predetermined fixed frequency and also other relatively different varia-

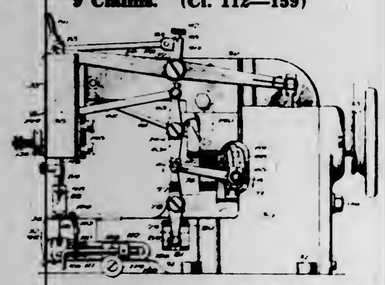
ble frequencies, and then transmitting the said fixed and variable frequencies over the power lines to the said receiver for the purpose of turning the said receiver off or on and tuning and regulating the signals received on the said receiver.

2,003,878
MINE CAR
Clarence P. Daniel, Bristol, Va.
Application August 27, 1931, Serial No. 559,785
10 Claims. (Cl. 105—364)



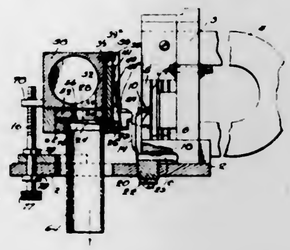
1. In a mine car, a body having a bottom provided with a longitudinally extending trough and side sections at opposite sides thereof, a draw bar extending longitudinally in said trough, a bumper at each end of said body extending into the body above the bottom thereof and overlapped by an end of said draw bar, a coupler engaging element carried by the bumper and overlapping end of the draw bar at the front end of said car, a draw head at the rear of said car resting upon the bumper and secured to the rear end of said draw bar, the last mentioned end of said draw bar being bent upwardly within the draw head to form an abutment, a shock absorber slidably mounted in said draw head and yieldably held against outward sliding movement in normal contacting engagement with said abutment, and coupler engaging means carried by the shock absorber.

2,003,879
SEWING MACHINE
Thomas H. De Spain, Paducah, Ky., assignor, by mesne assignments, to David & Lewis, New York, N. Y., a partnership composed of Herman David and Samuel Lewis
Application September 11, 1933, Serial No. 689,033
9 Claims. (Cl. 112—159)



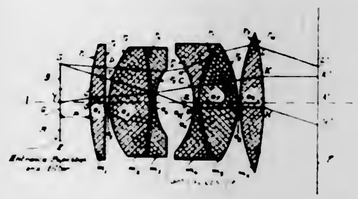
1. In a sewing machine, the combination of a support on which work is fed, a sewing needle, a presser foot having a slot thereon, means for projecting and retracting said needle through said slot and work, means for advancing the work each time the needle is retracted, said slot extending diagonally of the line of movement of work fed along said support, and means for reciprocating said needle longitudinally of said slot.

2,003,880
PNEUMATIC SOUND REPRODUCER AND PROJECTOR
William C. Eaves and Charles F. Dilks, Long Island City, N. Y., assignors to Hoovenaire Corporation, New York, N. Y., a corporation of New York
Application October 23, 1930, Serial No. 490,748
34 Claims. (Cl. 179—113)



1. In a pneumatic loud speaker, in combination, a pivoted valve, an actuating armature, and a connecting link operatively connecting said valve and armature, said link serving to transmit tension to pull the valve open, but flexing slightly under compression.

2,003,881
AUTO-COLLIMATED OBJECTIVE FOR COLOR PHOTOGRAPHY
Georges Grosset, Montreuil Sous Bois, Victor Hudeley, Clichy, and Jean Lagrave, Paris, France
Application August 14, 1933, Serial No. 685,132
In Luxemburg August 16, 1932
1 Claim. (Cl. 88—57)



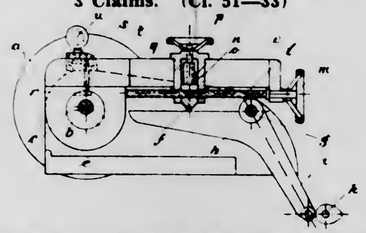
An objective lens system comprising six lens elements, m_1, m_2, m_3, m_4, m_5, m_6, arranged in order, the element m_1 being the entrance element, said lens elements having respective thicknesses in given units of substantially the values for m_1, 8; m_2, 21; m_3, 2.5; m_4, 2.5; m_5, 20; m_6, 12; said lens elements having respective refractive indices of substantially the values for m_1, m_2, m_5, m_6, of 1.60754; for m_3 of 1.60357; for m_4 of 1.58103; said lens element m_2 being spaced from said lens element m_1 by an axial space of substantially 2 of said given units, said lens element m_4 being spaced from said lens element m_3 by an axial space of sustantially 20 of said given units, said lens element m_6 being spaced from said lens element m_5 by an axial space of 1 of said given units; the entrance and exit radii of curvature of each of said lens elements having substantially the respective values in said given units, for m_1, +115 and + infinity; m_2, +45 and −150; m_3, −150 and +30; m_4, −39 and +53.2; m_5, +53.2 and +55; m_6, +90 and −150.

2,003,882
LOOPER MECHANISM FOR SEWING MACHINES
Horace F. Gruman, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Original application January 31, 1931, Serial No. 512,661. Divided and this application September 19, 1931, Serial No. 563,841
5 Claims. (Cl. 112—200)



1. In a sewing machine, the combination with an oscillatory shaft; of a 4-motion looper; and means for operating said looper comprising a looper carrier supported for oscillation about an axis disposed at right angles to the longitudinal axis of the shaft, a looper holder mounted in the carrier for bodily movements therewith and for radial reciprocatory movements relative thereto, driving connections between the shaft and the carrier for imparting loop-taking and loop-shedding movements to the looper, and means separate from the shaft for imparting needle-avoiding movements to the looper.

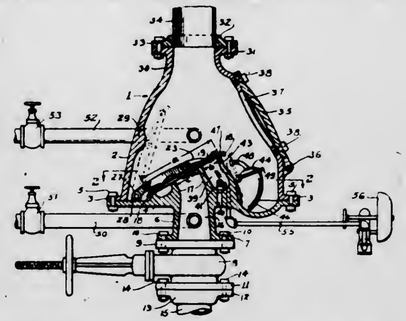
2,003,883
DEVICE FOR SPHERICAL GRINDING ON CIRCULAR GRINDING MACHINES
Julius Grundstein, Frankfort-on-the-Main, Germany, assignor to Gesellschaft des ächten Naxos-Schmirgels Naxos-Union Schmirgel-Dampfwerk Frankfurt a. m. Julius Pfungst, Frankfort-on-the-Main, Germany, a corporation of Germany
Application January 20, 1934, Serial No. 707,562
In Germany January 20, 1933
3 Claims. (Cl. 51—33)



1. In a device for spherical grinding on circular grinding machines, a drive lever, a reciprocatory lever, a grinding disk eccentrically journalled in said reciprocatory lever, the reciprocatory lever carrying an edge resting on the drive lever, and means for adjusting said edge longitudinally and transversely relative to the reciprocatory lever.

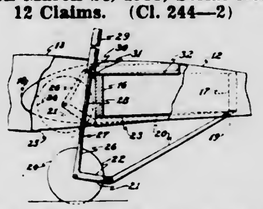
2,003,884
CONTROL VALVE FOR AUTOMATIC SPRINKLER SYSTEMS
Marion Eugene Halford, Greensboro, N. C.
Application February 2, 1933, Serial No. 654,956
2 Claims. (Cl. 169—17)

1. A combined wet-dry pipe sprinkler system control valve comprising a casing having supply and distributor conduits extending therefrom, the supply conduit extending within the casing as an annular flange, a second annular flange surrounding and spaced from the first and forming therewith an annular chamber, said flanges having coplanar upper edges, a flapper valve pivoted in such a manner as to gravitate to seat on both of said flanges, conduits affording communication between said annular chamber and the interior of the casing and between said chamber and the exterior of the casing and valves controlling said conduits, said valves arranged to interact so that when the one controlling the former conduit is closed it will hold the one controlling the latter conduit open and conversely the valve in the conduit to the exterior will be



closed when the valve to the conduit to the interior is open, whereby said annular chamber communicates selectively with the interior or exterior of the casing and the pressure therein is atmospheric or that of the interior of the casing as said valves are set, means for engaging the flapper valve with the first mentioned of said conduit valves to hold same seated as long as the flapper valve is seated and means for opening said conduit valve when the flapper valve is open.

2,003,885
RETRACTABLE LANDING GEAR
Harold D. Hoekstra, Kenmore, N. Y.
Application March 24, 1933, Serial No. 662,418
12 Claims. (Cl. 244—2)

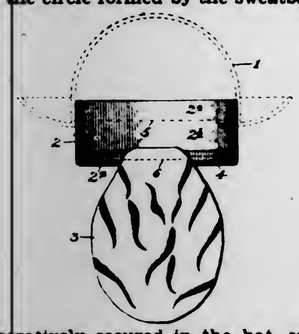


1. In aircraft including a wing having front and rear transverse spars, a member hinged to said rear spar, adapted when retracted to extend forwardly adjacent the lower wing surface, and having a forward portion curved upwardly around the front spar so that its forward end terminates substantially within the confines of the leading edge portion of said wing, a wheel pivoted to the forward end of said hinged member, and means for swinging said hinged member and said wheel from a retracted position adjacent to and within said wing to an extended position therebeneath, said means comprising a strut hinged to said member and pivotally connected with said forward spar for movement with respect thereto.

2,003,886
COMBINED SWEATBAND AND REMOVABLE LINING
Louis Hoffeld, New York, N. Y.
Application July 9, 1934, Serial No. 734,389
6 Claims. (Cl. 2—190)

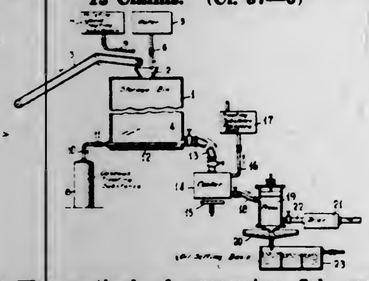
1. A device of the character described, comprising a sweatband arranged to be secured in a

hat; and a circular lining shaped to conform to the interior of the hat, and having a circumference of a length approximating the circumference of the circle formed by the sweatband when



it is operatively secured in the hat, said lining having a segment only of its circumference attached to the side of the sweatband, whereby to adapt said lining to swing on said segment, hinge fashion, into and out of the hat crown.

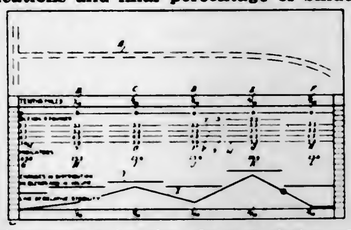
2,003,887
PRODUCTION OF FERTILIZER
Lawrence T. Hopkinson, Washington, D. C.
Application November 30, 1934, Serial No. 755,486
13 Claims. (Cl. 87—6)



3. The method of processing fish material which comprises accumulating the material in a storage vessel, treating the material in said vessel with formaldehyde, transferring the treated material to a second vessel, driving off the formaldehyde by heating the material in the second vessel, and while the material is still warm applying more heat to digest the residue, and thereafter processing the residue to separate its solid and liquid constituents.

2,003,888
METHOD OF CONSTRUCTING ASPHALT PAVEMENT WITH NATURAL AGGREGATES
Charles C. Jamieson, Jacksonville, Fla.
Application October 28, 1930, Serial No. 491,801
4 Claims. (Cl. 94—23)

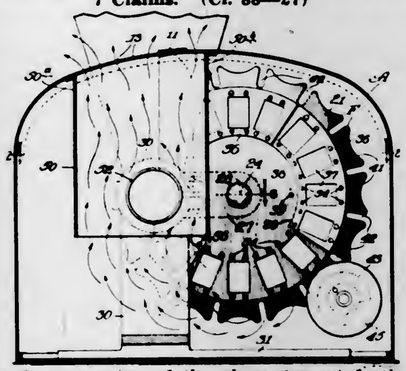
1. A method of constructing a pavement comprising finely breaking up the natural aggregates composing a roadbed intimately mixing therewith by mechanical agitation blends of a binder and a flux oil in a plurality of applications, each successive application having an increasingly higher percentage of binder, making a sufficient number of applications to incorporate a total amount of binder with the aggregate to stabilize the aggregate without flooding, the proportion of binder in the blends, quantity of blends, number of applications and final percentage of binder, being determined by the characteristics of each aggregate.



2,003,889
METHOD OF MAKING DEOXIDIZED COPPER AND COPPER ALLOYS
Herbert C. Jennison, Bridgeport, and Richard B. Montgomery, Seymour, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application October 20, 1933, Serial No. 694,522
50 Claims. (Cl. 75—62)

1. A method of making copper alloys comprising melting copper under reducing conditions, exposing the melted copper to air to permit escape of gases and to partially oxidize the copper but to an oxygen content less than 0.090 percent, adding non-carbonaceous deoxidizer which does not form a reaction product which is gaseous at room temperature upon combining with the oxygen of the copper and sufficient in amount to deoxidize the copper, and then adding one or more alloying elements.

2,003,890
PROJECTION UNIT
Frank N. Jones, Chicago, Ill.
Application September 16, 1932, Serial No. 633,530
7 Claims. (Cl. 88—27)



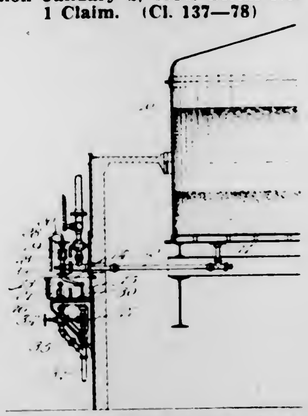
1. In apparatus of the character set forth, a casing hinged together on one side, a projection lamp therein, complementary housing members carried by the hinged casing members and forming, when brought together, a housing extending about said lamp, perforations in the top of said casing communicating with said housing, means for concentrating the rays of light from said projection lamp, means for intermittently bringing picture films into alignment with said rays, an image screen, means for directing the rays from said films upon said screen, an intake opening, and fan means for circulating air from said intake through the housing about said lamp.

2,003,891
DENTAL PLATE
Eugen Kaczmarek, Berlin-Hermsdorf, Germany
Application January 9, 1933, Serial No. 650,903
In Germany January 9, 1932
4 Claims. (Cl. 32—3)



1. A suction valve for dentures comprising a valve base having openings therein, a valve plate arranged below said valve base and having openings therein adapted to register with the openings in said base, spring means arranged to urge said plate against said base and a resilient body interposed between said plate and base and adapted to be first gripped between the same and subsequently the registering portions of said body being extruded into the openings in said base by the pressure below said plate.

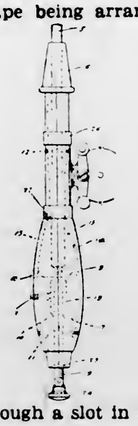
2,003,892
EXAMINATION AND CONTROL DEVICE FOR WORT HANDLING EQUIPMENT
Andreas R. Keller, Lombard, Ill.
Application January 2, 1934, Serial No. 705,023
1 Claim. (Cl. 137—78)



In brewing apparatus of the character described; a tub; a grant having two compartments, one of said compartments having a return to said tub, and the other of said compartments being adapted to discharge into a brew kettle; a wort pipe leading from said tub and adapted to discharge into said grant; an observation glass in said wort pipe whereby the liquid in said pipe may be visually examined to determine whether it should be discharged into said brew kettle; a swivel coupling near the end of said wort pipe; and handle means whereby the outlet of said pipe may be manually directed to discharge into either of said compartments.

2,003,893
FISHING ROD
Lester K. La Pan, Glens Falls, N. Y.
Application September 27, 1934, Serial No. 745,783
5 Claims. (Cl. 43—23)

1. A hand grip for fishing rods comprising an elongated hollow bulbous-shaped member provided on its interior with opposed projections fashioned to provide supporting and retaining means, a measuring reel casing supported in said retaining means and including a measuring tape, said measuring tape being arranged for access



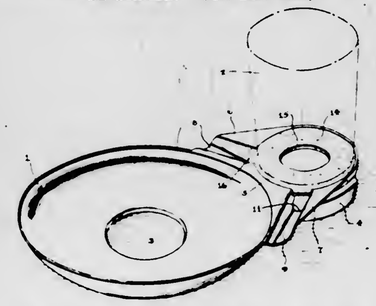
and operation through a slot in one end of said member.

2,003,894
KEYBOARD
Hans Luedtke, Berlin-Tempelhof, Germany
Application June 8, 1933, Serial No. 674,957
In Germany June 8, 1932
11 Claims. (Cl. 84—423)



1. A keyboard comprising keys with substantially uniformly shaped hexagonal key heads in honeycomb-like formation arranged in a single general plane adjacent each other and in close relation, thereby forming a continuous field, adapted to be extended after desire in all directions and to be subdivided in any desired manner, the surface of each key head being inclined towards its edges so as to secure a smooth passage from each key head to the surrounding ones.

2,003,895
SERVING UTENSIL
William S. Martin, Rochester, N. Y.
Application July 16, 1934, Serial No. 735,498
21 Claims. (Cl. 131—51)



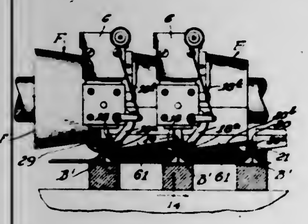
1. A device of the character described comprising a food, liquid or beverage vessel supporting portion and an ash receiver connected thereto, and a member extending across the upper portion of the ash receiver and removably mounted on the upper portion of the ash receiver for the support of the liquid or beverage vessel.

2,003,896
HORN MOUNT
Edward W. Menger, San Antonio, Tex.
Application June 12, 1934, Serial No. 730,367
3 Claims. (Cl. 35—20)



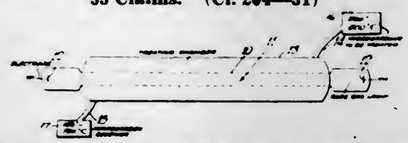
1. A horn mount comprising a body portion having sides and a centrally disposed embossed portion, said embossed portion having recesses with outwardly flaring edges for receiving the horns, and means for securing the skull portion connecting the horns to said embossed portion.

2,003,897
UPHOLSTERY MACHINE
Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Oakland, Calif., a corporation of Delaware
Application February 19, 1930, Serial No. 429,708
15 Claims. (Cl. 112—2)



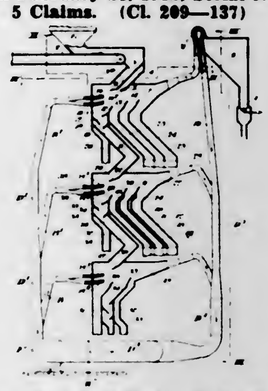
8. In a machine of the character set forth: means for advancing fabrics and forming seam-portions and intervening pleat-fullnesses, means for advancing batts intermediate the fabrics, sewing mechanism for uniting the fabrics, each sewing mechanism comprising a sewing-needle working through the fabrics; looper-bars having looper-needles disposed between the fabrics and coacting with said sewing-needles; a shaft extending transversely to the paths through which the fabrics are advanced; a second shaft parallel to the first-mentioned shaft; an eccentric on said second shaft for oscillating the first mentioned shaft, means actuated by the first-mentioned shaft for reciprocating said looper-bars; means actuated by the second shaft for swinging said looper-bars to raise and lower said looper-needles, and means for rotating said second shaft.

2,003,898
TREATMENT OF HYDROCARBONS
Waldemar O. Mitscherling, Bridgeport, Conn., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn., a corporation of Connecticut
Application April 28, 1931, Serial No. 533,406
35 Claims. (Cl. 204—31)



1. A process of degrading a hydrocarbon which comprises exposing said hydrocarbon to the action of radiations from a rare gas lamp until it is degraded.

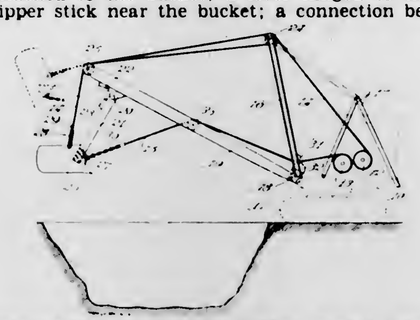
2,003,899
CLEANING AND SIZING OF COAL
Arthur F. Nesbit, Wilkinsburg, Pa.
Application February 23, 1932, Serial No. 594,641
5 Claims. (Cl. 209—137)



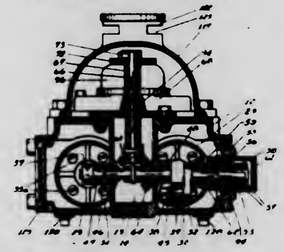
1. In a cleaning and sizing apparatus for lump and granular material, an enclosed inclined conveying chute for conveying the material to be sized and cleaned, upper and lower material conveying walls in said chute, said upper wall being composed, at least in part, of a screen through which the fine material and dust passes onto said lower material conveying wall, angularly adjustable deflector plates at the discharge ends of said conveying walls in the path of travel of the material under treatment and adapted to arrest the flow of the material and to cause said material to discharge from said chute into space with substantially no initial downward velocity, and means for producing a plurality of relatively high velocity air jets directed upwardly and forwardly into the material as it is discharged from said chute and below the deflector plates, said air jets being adapted to separate the fines and dust from the heavier material delivered by said chute.

2,003,900
EXCAVATING APPARATUS
John W. Page, Chicago, Ill.
Application April 7, 1934, Serial No. 719,549
3 Claims. (Cl. 214—138)

1. Excavating apparatus of the character described, including: a boom; a dipper stick with one end hinged to the boom at a point removed from the end of the boom; a bucket hinged to the free end of the dipper stick; a loading line attached to the bucket; a lever hinged to the dipper stick near the bucket; a connection between said lever and the bucket; and a boom line extending over the end of the boom with its outer end attached to said lever.



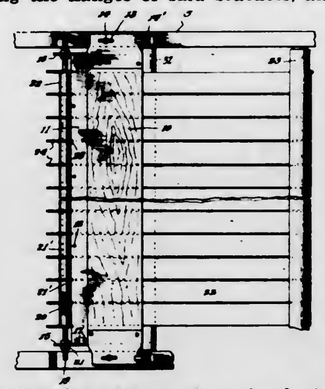
2,003,901
PISTON METER
Walter H. Parker and Nelson J. Seibert, Pittsburgh, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1931, Serial No. 538,545
4 Claims. (Cl. 73—30)



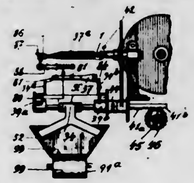
4. A fluid meter comprising a casing having a plurality of cylinders therein, one face of said casing being plane and having openings therethrough communicating with opposite ends of said cylinders; a piston in each cylinder; a crank shaft; a piston rod and crank arm connecting each piston to said crank shaft; a valve seat member having ports therein; a hollow bearing member threadedly engaging said casing and having a shoulder thereon engaging said valve seat member, said valve seat member having a bearing therein and a rotatable valve drive shaft journaled in said bearing and driven from said crank shaft; a valve member rotatably journaled on said hollow bearing member, and means for driving said valve member from said valve drive shaft.

2,003,902
FEED BOARD ATTACHMENT FOR FLAT WORK IRONING MACHINES
Albert J. Randlett, Richmond, Va.
Application June 4, 1934, Serial No. 729,004
5 Claims. (Cl. 68—9)

1. In a feeding apparatus for an ironing machine, a feed board, an elongated supporting means disposed substantially parallel to the front edge of the feed board in spaced relation thereto, ribbons trained about the board and supporting means, brackets securing opposite ends of the supporting means to the feed board and having attaching flanges overlapping the feed board and secured against the upper face thereof, a sheathing strip engaged about the forward edge portion of said feed board and overlying the flanges of said brackets, and ribbon guiding fingers secured to the feed board and projecting forwardly therefrom between the ribbons and engaging the supporting means to brace the same.



2,003,903
COP WINDING MACHINE
Wilhelm Reiners and Gustav Kahlisch, Munich-Gladbach, Germany, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany, a corporation of Germany
Original application June 21, 1932, Serial No. 618,554. Divided and this application February 10, 1934, Serial No. 710,735. In Germany June 29, 1931
5 Claims. (Cl. 242—35.5)

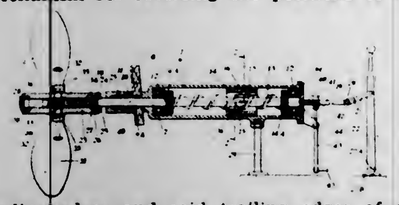


1. In a cop winding machine, a plurality of juxtaposed stub winding spindles and opposed yielding pegs in alignment with said spindles for supporting cop tubes between said spindles and pegs; a cop handling unit adjacent said spindles and pegs having thereon longitudinal bars and support-means between said bars for a plurality of juxtaposed empty cop tubes, said cop handling unit being normally disposed in a plane displaced from the plane of said spindles and pegs; means for actuating said unit transversely of the spindle axes to bring said unit into position preparatory to releasing the pegs from the cops and stripping the cops from the spindles, and means for actuating said unit in a direction parallel to the peg and spindle axes to effect said stripping and releasing operations.

2,003,904
PROPULSION OF BOATS
William Riseam, Hull, England, assignor of one-half to John Herbert Haiste, Hull, England
Application November 19, 1934, Serial No. 753,754
In Great Britain February 9, 1934
3 Claims. (Cl. 115—24)

1. Means for the propulsion of a boat, comprising a propeller shaft, a propeller including blades mounted pivotally in relation to said pro-

peller shaft, each of said blades having a leading edge and also a trailing edge, means to rotate said propeller shaft through an angle of at least 360° in opposite directions alternately, and mechanism for reversing the positions of said



leading edges and said trailing edges of said blades for the purpose of propelling said boat astern, the thrust on said blades being constantly effective during both directions of angular movement of said propeller shaft and both when said boat is being propelled ahead and astern.

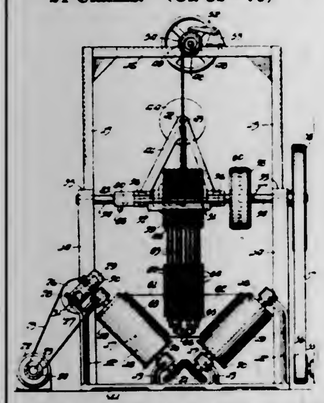
2,003,905

GLASS GRINDING MACHINE

Michael R. Schottland and Robert A. Fontaine, Martinsville, Va.

Application September 13, 1932, Serial No. 632,974

24 Claims. (Cl. 51—76)



17. A glass grinding machine comprising conveyor means, a carrier resting thereon, a movably mounted frame above the conveyor means, a series of rotary grinding disks mounted in said frame, means on said carrier for supporting a plurality of glass panes in upright position to have their edges engageable by said grinding disks, said conveyor means cooperating with the sides of the carrier for gravitationally centering the latter with respect to the grinding disks.

2,003,906

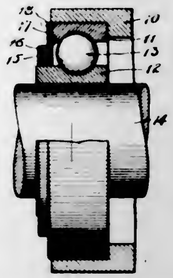
BEARING AND METHOD OF FORMING SAME

Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application December 4, 1930, Serial No. 499,927

6 Claims. (Cl. 29—148.4)

5. The method of applying a bearing seal to a bearing ring, which comprises first forming a bearing ring with a relatively thin portion at one end, then hardening said ring and thin portion, then softening said thin portion to render it bendable while leaving said ring hard, then positioning a seal member adjacent to said thin portion, and finally bending said thin portion over



said seal member to hold it against the end of said ring.

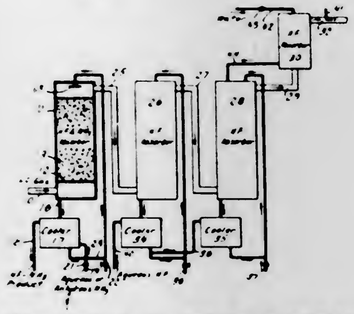
2,003,907

MANUFACTURE OF ACID COMPOSITIONS

John V. Shinn, Flushing, and Tom Cummings, Brooklyn, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York

Application September 20, 1933, Serial No. 690,226

15 Claims. (Cl. 23—5)



15. The method of making a substantially anhydrous hydrofluoric acid-ammonia composition which comprises contacting substantially anhydrous hydrofluoric acid with a substantially anhydrous liquid containing hydrofluoric acid-ammonia composition liquid at normal temperatures.

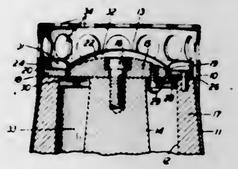
2,003,908

ACOUSTIC DEVICE

Lee T. Smith, Madison, N. J., and Albert L. Thuras, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 25, 1934, Serial No. 722,266

7 Claims. (Cl. 181—32)



1. An acoustic device comprising a diaphragm of polymerized styrol.

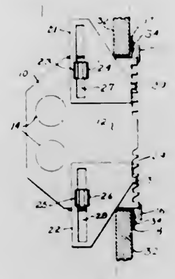
2,003,909

ELECTRICAL OUTLET RECEPTACLE

John Frank Stark, Rushville, Ind., assignor of one-fourth to Dwight G. Van Osdol, one-fourth to George J. Griesser, and one-fourth to Michael Katsaros

Application June 14, 1933, Serial No. 675,715

9 Claims. (Cl. 247—21)



1. An outlet box having side walls and ends, means on the box ends for bearing against the outer side of a wall, slides carried on the box sides having wall contacting portions oblique to each other and to the adjacent side of the wall, and means for interengaging and retaining the slides with and on the box sides whereby the slides may be passed through and held behind the wall to cause the wall to be compressively engaged between the oblique portions of the slides and said bearing means, said interengaging means comprising bendable members carried by one of the members to be joined and bent over holding formations of the other of the members to be joined and said box sides having a series of serrations each having a sloping side to contact a bendable member when the member is bent against a serration.

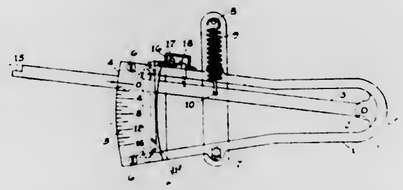
2,003,910

TENSION TESTING DEVICE FOR SPRING CONTACTS

James E. Stephenson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 8, 1930, Serial No. 500,803

7 Claims. (Cl. 265—18)



7. In a gauge for testing contact pressures, in combination, a handle, an arm pivoted to the handle, a graduated scale over which the arm can move, means biasing the arm toward one end of the scale, slidably adjustable stop screws projecting into the path of movement of the arm for restricting movement of the arm to any predetermined portion of the scale, an indicating lamp, and an energizing circuit for the lamp which is closed upon the arm contacting with either one of the two adjustable stops.

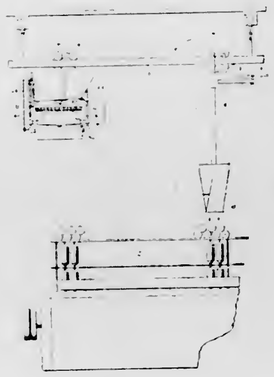
2,003,911

METHOD OF AND APPARATUS FOR OPERATING IN A SPINNING OR OTHER ROOM

William B. Walker, Roxboro, N. C.

Application February 23, 1933, Serial No. 657,971

7 Claims. (Cl. 261—1)



1. The method of conditioning air in a spinning or other work room which comprises creating a downwardly directed current of air, traversing the current of air about the room, and traversing a humidifying device in substantially the same path about the room at the rear of said current of air.

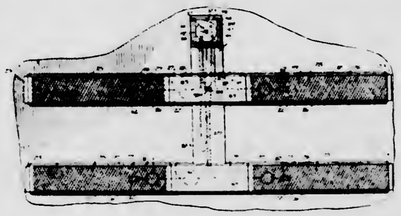
2,003,912

WHEEL TESTING APPARATUS

Ira A. Weaver, Albert R. Squyer, and Earl K. Hall, Springfield, Ill., assignors to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois

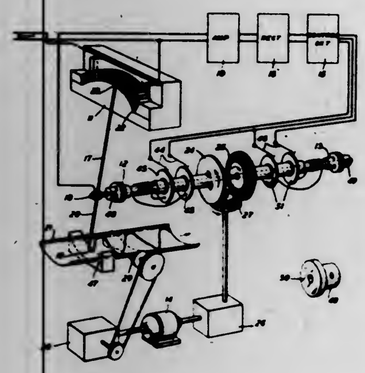
Application September 12, 1929, Serial No. 392,102

18 Claims. (Cl. 73—51)



3. In a vehicle-wheel brake-tester, the combination of a plurality of movable members adapted to be contacted simultaneously each by the corresponding wheel of a vehicle and to be moved thereby in either of opposite directions due to the application of the brakes to the wheels, means to resist such movements of said members in both directions, a gauge-glass for each of said movable members positioned relatively to one another in the same relation as said movable members to one another, and means actuated by the movements of said members to force liquid into said gauge-glasses proportional to the movements of the corresponding members.

2,003,913
POSITION CONTROLLING DEVICE
Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1933, Serial No. 700,548
7 Claims. (Cl. 179—175.3)



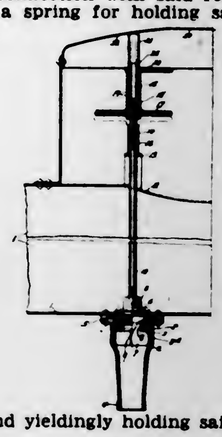
7. In a volume level recorder comprising a pair of oppositely rotating electromagnets, a control circuit for the electromagnets adapted to prevent overshooting of the recorder, said circuit comprising a variable impedance, a resistance in shunt to the impedance, a plurality of variable electromotive forces in series with the impedance and two shunt branches connected to different electromotive forces, each shunt branch comprising a field coil for one of the electromagnets and a unidirectional current passing element, said unidirectional current passing elements being opposed to one another, the difference between the electromotive forces constituting a zone within which the impedance may vary without affecting the recorder.

2,003,914
PROPELLANT EXPLOSIVE
Edward Whitworth, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 15, 1933, Serial No. 671,279. In Great Britain May 18, 1932
8 Claims. (Cl. 52—22)

1. The process of manufacturing gelatinized propellant explosives containing nitrocellulose and a liquid nitric ester of a polyhydric aliphatic alcohol, which comprises gelatinizing the nitrocellulose with the nitric ester and a mixture of diethyl diphenyl urea and dimethyl diphenyl urea.

2,003,915
ADAPTER VALVE FOR TANK OUTLETS
Victor Willoughby, Ridgewood, N. J., and William L. Lapworth, Wantagh, N. Y., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 22, 1931, Serial No. 552,377
13 Claims. (Cl. 137—21)

1. A car tank discharged valve mechanism comprising a valve seat and valve, a reciprocable valve operating rod, means for rotating said rod including a handle having a slidable but non-rotatable connection with said rod, and means including a spring for holding said handle in



position and yieldingly holding said valve to its seat.

2,003,916
RAILWAY CAR
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application October 15, 1932, Serial No. 637,862
16 Claims. (Cl. 62—91.5)



1. In a railway car, a body, a roof, a plurality of longitudinally spaced refrigerating units secured to the roof each including closed containers adapted to hold a refrigerant and an air chilling chamber extending from said to side of the car, and air entrance ducts connecting successive air chilling chambers.

2,003,917
HANDLE GRIP
James G. Bowden, Millbury, Mass., assignor to The Felters Company, Boston, Mass., a corporation of Massachusetts
Application January 24, 1933, Serial No. 653,286
3 Claims. (Cl. 273—75)



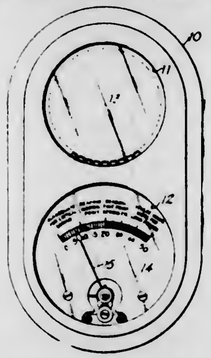
1. A handle grip comprising a flexible strip of wool felt, the fibers of which are elastically bonded permanently together with a rubbery material, the proportion of said material being so limited that a substantial portion of the felty feel and fibrous characteristics of the felt are retained.

2,003,918
HOSE COUPLING
Wallace E. Brown, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 13, 1933, Serial No. 693,467
3 Claims. (Cl. 285—71)



1. A detachable coupling comprising a resilient discontinuous ring, a strengthening bead on one edge thereof, a projection in one end being slidingly engaged in an elongated aperture in the other, and a strengthening and guide wire slidingly connecting the strengthening bead at the ends thereof.

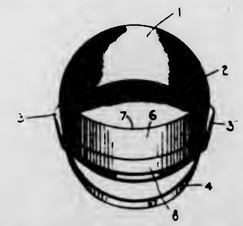
2,003,919
METER
Earl L. Canfield, Hillside, N. J.
Application September 16, 1933, Serial No. 689,705
1 Claim. (Cl. 88—23)



A portable light meter having an opaque casing provided with two apertures in its front face, a scale visible through one aperture, the scale reading in foot candles and having alongside the foot candle indications the character of the task which the human eye should be called upon to perform when the light intensity equals the reading in foot candles adjacent the particular indication, a pointer movable over the scale, and a light cell behind the other aperture for actuating the pointer, the scale and light cell being in substantially the plane of the front face of the light meter whereby the intensity of light in a plane of reference may be determined.

2,003,920
BATHING CAP
Winnie Carter, Wallington, England, assignor of one-half to George Spencer Moulton & Company, Limited, London, England
Application July 19, 1934, Serial No. 735,952
In Great Britain September 25, 1933
2 Claims. (Cl. 2—68)

1. The combination with an india-rubber bathing cap having ear cavities, of an annular band of thin sheet india-rubber having apertures for the wearer's ears coincident with said cavities, the band being positioned in the bathing cap near the lower marginal edge thereof

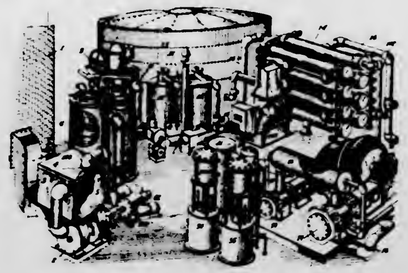


and having its upper edge secured to the interior surface of the cap while its lower edge is free to fit the head of the wearer during use, thereby preventing access of water to the hair.

2,003,921
PROCESS FOR WATERPROOFING OR FILLING CAVITIES IN THE GROUND OR IN STRUCTURES
Louis Chevrillon, Paris, France, assignor to The Francois Cementation Company Limited, London, England
No Drawing. Application January 6, 1934, Serial No. 705,640. In France June 2, 1933
3 Claims. (Cl. 61—36)

1. A process for waterproofing and filling cavities in ground and in structures, which comprises simultaneously and separately injecting into the cavity to be filled a dispersion of binding material and a fine aqueous suspension of bitumen bearing material of such poor stability as to be broken up upon contact with said binding material, whereby the solid phase of the suspension is embedded by the binding substance at the outlet of the injecting means and immediately provides a coherent solid mass.

2,003,922
PRODUCTION OF CARBON-DIOXIDE FROM FLUE GASES
Roger J. Claret, New York, N. Y., assignor to Natural By-Products Corporation, New York, N. Y., a corporation of New York
Application January 26, 1933, Serial No. 653,722
17 Claims. (Cl. 62—121)



1. Process for production of solid carbon dioxide that consists in subjecting carbon dioxide gas to high compression without liquefaction of the gas, then passing the gas into a receiving tank, then causing the gas from the receiving tank to be released in an expansion chamber in small quantities in rapid succession for alternate periods of time to form snow in the chamber.

2,003,923
SCREEN PLATE SUPPORT
George Claussen, Longview, Wash.
Application November 1, 1934, Serial No. 750,975
6 Claims. (Cl. 92—30)



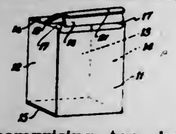
1. A screen plate support comprising a bar, a saddle adapted to hold the edges of the screens extending lengthwise of the bar and engaging the upper edge thereof, spaced yokes engaging the lower edge of the bar and means for securing the yokes to the saddle.

2,003,924
DRILL STEEL RETAINER
John C. Curtis, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application July 13, 1932, Serial No. 622,222
7 Claims. (Cl. 121—32)



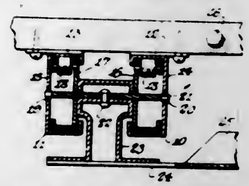
1. A tool retainer comprising a housing formed with a bore adapted to slidably receive the shank of a cutting tool, a collar formed integral on said shank, a counterbore within said housing within which said collar is free to slide, a single opening leading from one side of said housing into said counterbore, a shaft within said housing diametrically opposed to said opening, a yoke retainer pivotally mounted upon said shaft formed with a closed end portion movable through said opening into or out of engageable position with said collar, and a handle integral with said retainer by which said closed end portion may be moved into or out of engagement with said collar, said handle and retainer falling short of the outer ends of said housing irrespective of the position of said portion with respect to said collar.

2,003,925
CONTAINER
Adrian O. Daller, Dennis Port, Mass., assignor to Daller Carton Co., Inc., New York, N. Y., a corporation of New York
Application December 5, 1933, Serial No. 700,954
7 Claims. (Cl. 229—51)



1. A carton comprising top, bottom, front, back and end walls, a portion of one of said walls having unsecured overlying layers, at least one of said layers being severable from the remainder of said wall along a weakened line, and a second wall comprising intersecured extensions from said layers, said second wall being movable with said portion of said first wall when said weakened line is broken, whereby that portion of said unsecured overlying layers which is set off by said weakened line is adapted to form a lifting tab.

2,003,926
TABLE WITH FOLDABLE LEAVES
William A. Duncan, Statesville, N. C.
Application March 24, 1933, Serial No. 662,590
5 Claims. (Cl. 311—73)



1. In an extension table, the combination of telescopic members consisting of a pair of outer hollow bars rectangular in cross section and having a longitudinal slot along the inner side thereof, a pair of inner hollow bars rectangular in cross section and having a longitudinal slot along the outer side thereof, said inner bars being telescopically mounted in the outer bars, the outer bars having a series of spaced apertures in their vertical webs, and a gear meshing in the apertures of said webs whereby movement of one of said telescopic members will cause a corresponding reverse movement of the other telescopic member.

2,003,927
HATCH COVER OPERATING MEANS
Francis A. Ecoff, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 25, 1931, Serial No. 518,126
15 Claims. (Cl. 268—9)



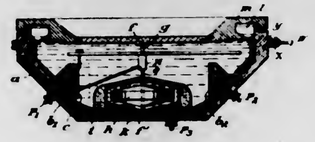
1. The combination with a hingedly mounted closure element of a lever pivotally mounted adjacent one end thereof and adjacent a free edge of said element for swinging movement about an axis parallel to said free edge, said lever having a bottom wall provided with a slot at the pivot end of said lever, said bottom wall at the said pivot end being formed into a camming surface which merges into a shoulder, the camming surface being adapted to engage a closure part when the lever is swung in one direction whereby to force the closure element to fully closed position and the said shoulder being adapted to limit the movement of said lever in said direction, the before mentioned slot defining a cross-bar at the pivot end of said lever adapted to engage the before mentioned closure part to lift said closure when the lever is swung in the opposite direction.

2,003,928
STRIPPING AND DISCHARGING DYED TEXTILES
John Gwynant Evans and Leslie Gordon Lawrie, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Westminster, England
No Drawing. Application March 16, 1933, Serial No. 661,180. In Great Britain March 19, 1932
16 Claims. (Cl. 8—2)

1. A process for stripping textile materials dyed with azoic colours which comprises treating them with a chemically reducing liquor con-

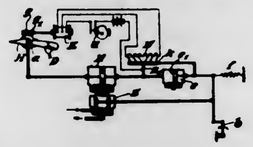
taining a substance selected from the group consisting of amines and amine salts having an aliphatic radical which contains not less than ten carbon atoms.

2,003,929
FLUID COMPASS
Eduard Fischel, Berlin-Charlottenburg, and Gerhard Rieper, Berlin-Mariendorf, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 7, 1933, Serial No. 688,537
In Germany September 24, 1932
5 Claims. (Cl. 33—204)



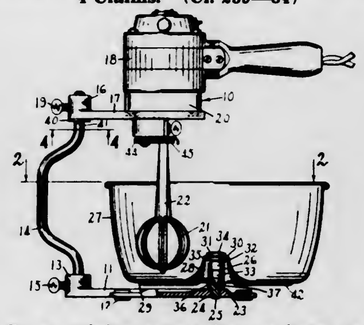
1. In a fluid compass for use in air or water craft the combination of at least one counter-electrode at the inner surface of the compass casing, a vertical axle pivoted at both ends in bearings and adapted to carry for co-action with said counter-electrode at least one electrode and the magnet system, a metallic float member secured to the lower end of said axle and being electrically connected to said electrode, a casing substantially enclosing said member, said casing being made of insulating material and provided with an opening for the axle, a metallic layer on the inside of said casing, an additional electrode placed inside of the casing adjacent to said floating member and being electrically connected to said layer, and circuit connections between said additional electrode and said counter-electrode for operating an indicating or a steering device.

2,003,930
AUTOMATIC RUDDER CONTROL DEVICE
Eduard Fischel, Berlin-Charlottenburg, Germany, assignor to Siemens-Apparate und Maschinen G. m. b. H., Berlin, Germany, a corporation of Germany
Application May 3, 1934, Serial No. 723,659
In Germany May 11, 1933
10 Claims. (Cl. 244—29)



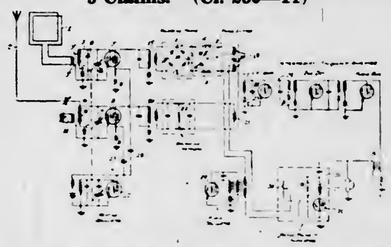
1. In an automatic rudder control device for dirigible craft in combination, a main control plane, a servo-motor for adjusting the same, control apparatus, means operable by said apparatus for controlling said servo-motor, an auxiliary control plane, a second servo-motor for adjusting said auxiliary control plane and means operatively connected to said means regulating said main control plane for controlling said second servo-motor in dependence upon the adjusting movement of the main control plane.

2,003,931
MIXING APPARATUS
Alfred C. Gilbert, North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application October 9, 1933, Serial No. 692,745
4 Claims. (Cl. 259—84)



1. In a mixing apparatus, a base, a bowl mounted on said base for free rotation thereon, a stirring device comprising a pair of oppositely rotatable elements, means to support said stirring device, and means to adjust said supporting means in a horizontal plane to dispose said stirring device with one of the elements thereof closer to the wall of said bowl than the other element to cause rotation of said bowl in one direction during the beating operation, and to adjust said supporting means to dispose the other element in like position in respect to the bowl wall to cause rotation of the bowl in the other direction.

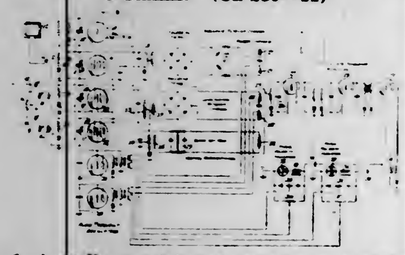
2,003,932
RADIO DIRECTION FINDER
John W. Greig, Detroit, Mich.
Application December 27, 1932, Serial No. 648,912
5 Claims. (Cl. 250—11)



2. A radio receiving apparatus for indicating the vertical plane in which radio frequency signals arrive with respect to an antenna system; consisting of a loop, a vertical antenna, a loop tuning means, a vertical antenna tuning means, a first modulator having an input circuit connected to said loop tuning means, a second modulator having an input circuit connected to said antenna tuning means, a radio frequency oscillator electrically coupled to both of said modulators to deliver a frequency which beats with the incoming signal frequency to form an intermediate frequency, two separate intermediate frequency channels connected to the output circuits of the said two modulators, a reversing means in one of said channels, a phase shifting means in the other of said channels, an audio frequency oscillator connected to operate said reversing means, an intermediate frequency amplifier having an input circuit con-

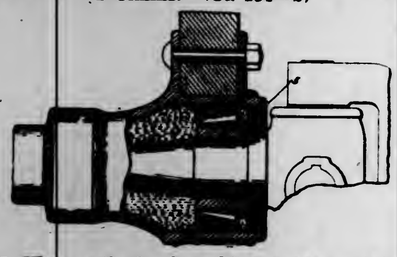
nected to the outputs of both of said intermediate frequency channels, a detector, and means connected to said detector and to said audio oscillator for indicating the relative phase polarity of the audio output of the detector as compared with the phase of said audio oscillator.

2,003,933
THREE DIMENSION RADIO DIRECTION FINDER
John W. Greig, Detroit, Mich.
Application December 27, 1932, Serial No. 648,913
8 Claims. (Cl. 250—11)



1. A radio receiving apparatus comprising a plurality of input channels, a reversing means in all but one of said channels with each reversing means effectively interchanging the poling of input and output leads of said reversing means at an audio frequency rate which is different for each of the said reversing means, and means for combining the outputs of the reversing means with the output of the channel which has no reversing means, means for correcting the phase of the currents in said channels to produce effective modulation at the fundamental audio frequencies employed in operating the reversing means, a common amplifier and detector supplied by the said combined channel outputs, a plurality of phase polarity indicators connected in the output of the radio receiver, and means for supplying each of said phase polarity indicators with a separate audio frequency, each separate audio frequency being synchronous with one of the audio frequency rates at which the said reversing means are operated.

2,003,934
GREASE RETAINING WASHER FOR BEARINGS
Lawrence H. Hansel, Brookline, Mass., assignor to The Felters Company, Boston, Mass., a corporation of Massachusetts
Application January 30, 1933, Serial No. 654,179
2 Claims. (Cl. 154—2)



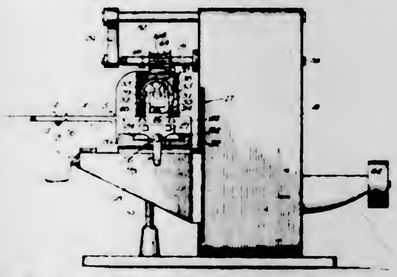
2. The method of making grease retaining washers which comprises combining and bonding two layers of felt by heavily base coating a surface of at least one of the layers with a cement made of chloroprene, placing the two sheets together in face to face contact with the chloroprene coat therebetween, pressing the layers together, heating the laminated sheet thus formed for a sufficient period of time and at a suitable temperature to polymerize the chloroprene and render the same relatively impervious to oil.

2,003,935
MANUFACTURE OF UPHOLSTERY PADDING
Joseph Arthur Howard, Streatham Hill, London, England
Application July 10, 1934, Serial No. 734,519
In Great Britain December 6, 1933
3 Claims. (Cl. 91—68)



1. A method of producing a web of upholstery fibres held together in a loosely associated condition by rubber deposited from rubber latex, consisting in introducing said fibres into the top of a downwardly extending confined space, wetting with latex the web of said fibres on issue from the bottom of said confined space, drying said latex-wetted web, immersing said dried web in latex, squeezing said web after said immersion, and drying said latex-wetted web after said squeezing.

2,003,936
MILLING MACHINE
Wasyl Hucal, Chicago, Ill.
Application January 2, 1934, Serial No. 704,987
11 Claims. (Cl. 90—20)

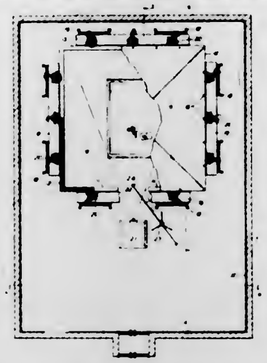


1. In a machine of the character set forth, the combination of means for rotatably supporting a blank, means for cutting the blank, said first-named means being movable lengthwise relative to said second-named means, and means for moving said first-named means lengthwise and simultaneously rotating the blank comprising a fixed pivot mounted on a stationary part of the machine and a lever operatively engaging said first-named means making a sliding connection with said pivot.

2,003,937
SOUND PICTURE SET
Franklin L. Hunt, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1933, Serial No. 702,448
5 Claims. (Cl. 181—30)

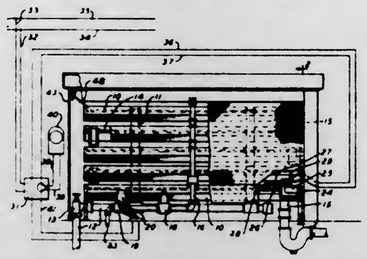
1. The combination of a studio having highly damped walls and a substantially enclosed sound

picture set disposed therein, the walls of said



set having a substantially lower sound absorption coefficient than the walls of the studio.

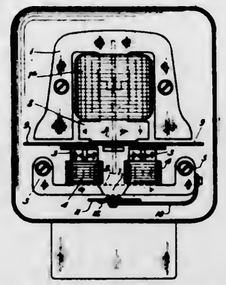
2,003,938
HUMIDIFYING APPARATUS
Harry L. Husson, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1934, Serial No. 713,115
4 Claims. (Cl. 257—182)



2. An air heating and humidifying apparatus comprising a plurality of relatively vertically arranged elements each having internal chambers to receive a heating fluid and having an open external trough to receive water, means to admit a heating medium to the internal chambers, means to supply water to one of the troughs including a valve, means to lead the water in cascade through the troughs, a float in one of the troughs, a mercury switch connected to the float to be operated thereby, a solenoid in circuit with the switch to operate the water supply valve, and a circuit making and breaking humidostat connected in series with the switch and the solenoid.

2,003,939
ELECTRICITY METER
Joseph Indergand, Baar, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland
Application March 16, 1934, Serial No. 715,799
In Switzerland March 18, 1933
5 Claims. (Cl. 171—264)

1. A Ferraris meter including in combination voltage and current magnets and a metering disc to be rotated thereby, the current magnets being provided with an air gap, and temperature controlled means for varying the magnetic reluctance of the air gap comprising a plate of magnetic material positioned adjacent to said



gap and temperature control means for moving said plate.

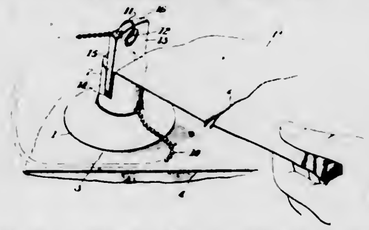
2,003,940
HIGH SPEED BOTTLE MAKING PROCESS
Henry W. Ingle, Windsor, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
No Drawing. Application January 22, 1932, Serial No. 588,237
7 Claims. (Cl. 49—80)

1. The process of making glass ware in molds which comprises subjecting molten glass to contact with mold surfaces for periods of time of less length than a period of contact which would result in ware which would deform when finally removed from the mold contact, and during the contact period provided extracting sufficient heat from the glass so that the articles when removed from contact with said mold surfaces are self-sustaining.

2,003,941
PROCESS FOR THE PRODUCTION OF PHENOL
Leopold Kahl, Charlottenburg-Berlin, Germany, assignor to Rütgerswerke-Aktiengesellschaft, Berlin, Germany
No Drawing. Application May 3, 1934, Serial No. 723,694. In Germany May 10, 1933
12 Claims. (Cl. 260—154)

1. A process for the production of phenol (C_6H_5OH) from homologous phenols and hydrogen characterized by the feature that the reaction mixture is suddenly raised by hot gaseous contact to the temperature favorable for the formation of phenol and is rapidly cooled down after a short reaction period.

2,003,942
FABRIC-GRIPPER
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 28, 1933, Serial No. 682,624
14 Claims. (Cl. 223—54)



14. A fabric-gripper comprising a resilient suction cup, a post rising from said cup, and

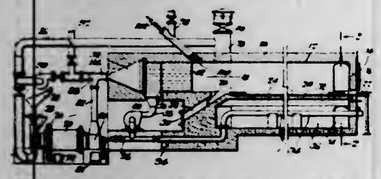
means on said post for releasably gripping a fabric and supporting such fabric at an elevation above the base of said post greater than the lateral distance from the axis of said post to the point at which the fabric is gripped, whereby the post is freely tiltable resiliently by a pull on the gripped fabric.

2,003,943

HEATING PROCESS AND APPARATUS

Albert L. Klees, New York, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

Application April 8, 1933, Serial No. 665,053
20 Claims. (Cl. 263—15)



1. The method of operating furnaces, which comprises pulverizing a solid fuel while so passing a hot and substantially inert gas therethrough as to suspend in said gas fuel particles of a desired fineness, continuously advancing the resultant suspension at an elevated temperature toward a highly heated combustion zone of said furnace, and continuously and concurrently conducting the said hot fuel suspension and a heated combustion-supporting gas into said highly heated combustion zone in parallel superposed streams at regulated approximately equal velocities adapted to maintain in substantial degree a parallel flow of the said contacting streams within the combustion zone.

17. An open-hearth furnace comprising in combination a hearth, regenerative chambers respectively adjacent each of two opposite ends thereof, burner means including a casing having therein a plurality of spaced parallel fuel ducts respectively mounted in each of the said ends of the furnace at opposite sides of the hearth, the said burner means being of approximately the same width as the hearth, means connected with each regenerator adapted to flow air at a regulated rate to the corresponding casing and to distribute it between the spaced fuel ducts therein, gas outlets within the furnace adjacent the hearth and connecting the latter with corresponding regenerators, the respective burners being in regulated communication with a corresponding regenerator, at least one gas-swept solid fuel pulverizer connected with the respective burners and having an inlet and outlet end, means for feeding solid fuel at a regulated rate to the pulverizer, a flue gas conduit connecting the respective regenerators with the pulverizer, means for inducing a regulated flow of flue gases selectively from either regenerator through the pulverizer and to the corresponding burner, and means for the regulated flow of flue gases from a regenerator directly to one of the burners and bypassing the said pulverizer.

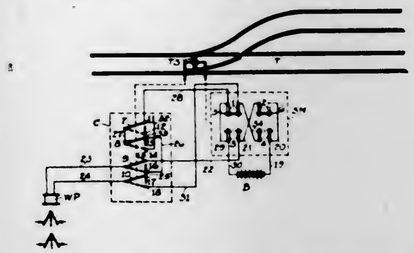
2,003,944

INDICATING MEANS FOR SWITCH MACHINES

Andrew Langdon, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 30, 1930, Serial No. 492,282
3 Claims. (Cl. 246—253)

1. In combination, a track switch, a switch machine arranged to power operate said track switch, pole changer contacts included in said switch machine and operated in accordance with the locked position thereof, a switch circuit controller directly operated in accordance with the position of said track switch, a local source of energy at said track switch, a three position polarized relay, a control circuit including said switch machine pole changer contacts and said



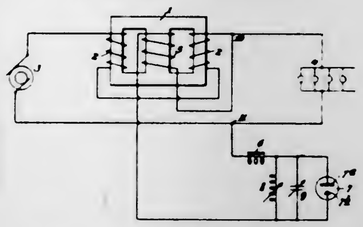
switch circuit controller for distinctively operating said relay in accordance with the extreme position of said switch and the locked position of said switch machine, and means for shunting said relay when said switch circuit controller is not in either extreme position and also when said extreme position does not correspond to the position of said switch machine pole changer contacts.

2,003,945

ELECTRIC CONTROLLING APPARATUS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application September 5, 1931, Serial No. 561,396
12 Claims. (Cl. 171—119)



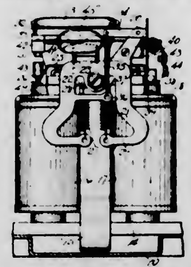
11. The combination of an alternating current supply circuit, an alternating current consumption circuit, a reactor for adjusting over a wide range the voltage supplied to said consumption circuit, said reactor having a winding connected in series between the supply circuit and said consumption circuit and having a second winding for varying the reactance, an auxiliary controlling device connected to said alternating current consumption circuit and subjected to change of voltage thereof and receiving energy therefrom for supplying direct current to said second winding, and means for adjusting over a wide range the direct current output from said controlling device to said second winding independently of change of voltage of said consumption circuit for changing the voltage of said consumption circuit over a wide range, the connections of said controlling device to said consumption circuit and to said second winding being related to cause said reactor to further amplify any change of voltage of said consumption circuit.

2,003,946

TELEPHONE TOLL APPARATUS

George A. Long and William W. Long, Hartford, Conn., assignors to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut

Application June 1, 1934, Serial No. 728,532
15 Claims. (Cl. 194—16)



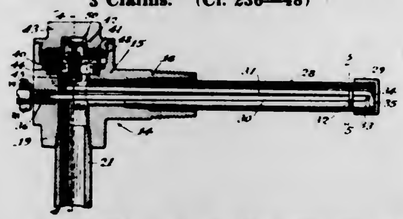
1. Toll collecting mechanism for a set of telephone instruments, said set including a polarized relay, an electric circuit for energizing said relay, a liquid switch for controlling said circuit, mechanism for operating said switch to circuit closing position and for releasing it for movement from said position, and electrical means for retaining said switch in its circuit closing position after said operating mechanism is returned to its normal position of rest.

2,003,947

SNAP ACTION THERMOSTAT

Edwin W. McKinley, Los Angeles, Calif.

Application June 7, 1933, Serial No. 674,679
3 Claims. (Cl. 236—48)



1. A thermostat of the class described comprising a hollow gas body having a valve seat therein, a valve arranged to engage the seat, a stem secured to said valve, a member slidably mounted in said stem and normally seated therein with a portion of it projecting therebelow, a spring under compression disposed in said stem and urging said member seated, a tubular heat responsive element closed at its outer end secured to and communicating with the interior of the body at a point below the valve, valve actuating means including a bell crank lever disposed within said heat responsive element with the short arm engaging the closed end of the same and its long arm projecting into the body and extending underneath said valve stem, and means associated with said valve for regulating the movement of the member in its stem after it has been engaged by the long arm of said lever for the purpose set forth.

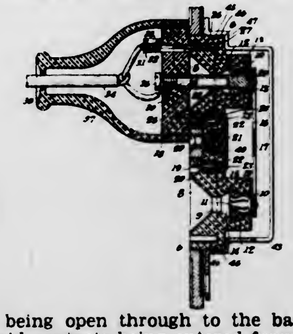
2,003,948

ATTACHMENT PLUG AND RECEPTACLE

Wilbur K. Mess, Newark, N. J.

Application March 12, 1934, Serial No. 715,046
3 Claims. (Cl. 173—330)

1. An electric receptacle base having a flush face with a generally conical prong guiding recess therein, a guide passage extending back from said recess, a larger chamber at the back of said guide passage and an annular groove in the flush face portion surrounding the conical recess, and contacts located respectively in said chamber and annular groove, said chamber and annular



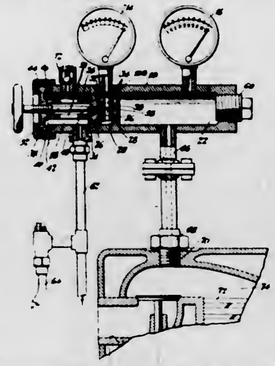
groove being open through to the back of the base, said contacts being entered from the back of the base into said chamber and groove respectively, said chamber and groove having shoulders and said contacts having resilient locking portions engaging over said shoulders.

2,003,949

GAS ENGINE LEAKAGE TESTER

John D. Morgan, South Orange, N. J., and Percy B. Levitt, Jackson Heights, N. Y., assignors to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application December 16, 1932, Serial No. 647,550
2 Claims. (Cl. 137—75)



1. Flow restricting apparatus adapted for leakage testing, comprising a manifold, an apertured lateral partition dividing said manifold into inlet and outlet chambers, the aperture in said partition having its edges beveled to form a frustoconical seat, a centrally apertured plug adapted for insertion in one end of said manifold and having its periphery contoured and dimensioned to seat in and close said partition aperture, the aperture in said plug forming a connecting passage between said inlet and outlet chambers, an annular groove formed in the said end of the manifold, a gasket adapted for mounting in said groove, a centrally apertured cap for said plug having a knife edge rim adapted to form a closure seal between the plug and the gasket, a screw cap for the said manifold end adapted for forcing said plug into tight sealing relation with the

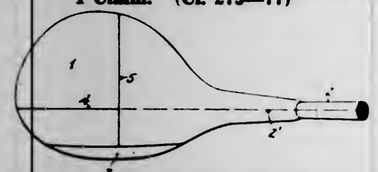
seat formed by the said partition aperture and with the gasket, a needle valve closure for the plug aperture having a stem threadably journalled in the aperture of the plug cap, and a flow restriction orifice mounted in the passage formed by the central aperture of the plug.

2,003,950
FINGER RING, BRACELET, AND THE LIKE
Josef Pejchar, Cicero, N. Y.
Application May 18, 1934, Serial No. 726,270
8 Claims. (Cl. 63—27)



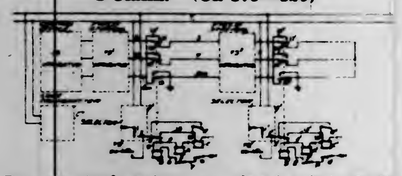
1. An article of the character described, comprising a setting member having a plurality of holding prongs extending on the same side of said member, an ornamental object set between said prongs and held by them, and a body member having spaced ends connected with two opposite holding prongs of said setting member.

2,003,951
GOLF CLUB
Thomas Pepin, New York, N. Y.
Application April 24, 1934, Serial No. 722,089
1 Claim. (Cl. 273—77)



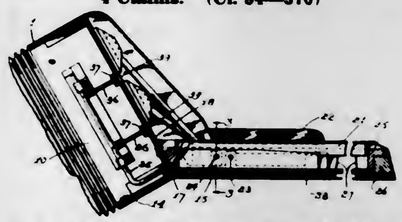
A golf club comprising a shaft and a head, having its sole convexly curved to provide a transversely extending sole line, a line formed on said head, which line lies in a plane which contains the shaft axis and which is perpendicular to the transverse sole line of the club head, said second mentioned line being located to the rear of the striking face and spaced substantially therefrom.

2,003,952
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 31, 1932, Serial No. 602,231
1 Claim. (Cl. 175—320)



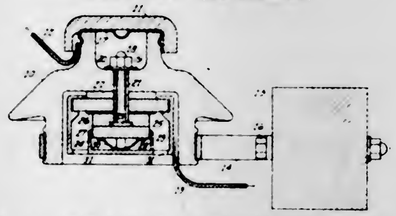
In a control system; a relay bank including a first relay, a second relay and a third relay; a control contact; a pick-up circuit for said first relay including said control contact and a back contact of said second relay; a stick circuit for said first relay including the winding of said second relay, a front contact of said first relay and a back contact of said third relay; means including the pick-up circuit for said first relay for shunting the winding of said second relay; a pick-up circuit for said third relay including said control contact and a front contact of said second relay; and a stick circuit for said third relay including said control contact and a front contact of said third relay, said stick circuit for said first relay energizing said second relay only when said first relay is energized and said third relay is de-energized.

2,003,953
PIANO ACCORDION
Finau Platanesi, Chicago, Ill.
Application December 20, 1933, Serial No. 703,187
4 Claims. (Cl. 84—376)



1. A piano accordion comprising a reed chest and a key manual support, the back wall of said support being joined integrally to the back wall of the reed chest at an obtuse angle, and the outer ported wall of the reed chest intersecting its back wall substantially at the line of such junction.

2,003,954
OVER VOLTAGE PROTECTIVE DEVICE
Ralph R. Pittman, Pine Bluff, Ark.
Application September 15, 1933, Serial No. 689,632
11 Claims. (Cl. 175—30)

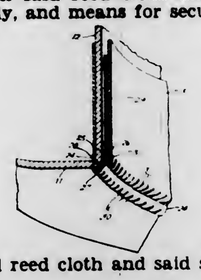


1. An over-voltage protective device comprising, in combination, a housing of insulating material, a metallic chamber supported within said housing, a pair of coaxial disks of insulating material resiliently supported within said metallic chamber, spaced electrodes forming a radial spark path between the adjacent faces of said disks, and means resiliently biasing said disks one toward the other.

2,003,955
HAT CONSTRUCTION
Ralph K. Reynolds, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut
Application August 13, 1931, Serial No. 556,726
8 Claims. (Cl. 2—184)

1. In hat construction, in combination, means forming a hat body, a folded strip of reed cloth extending about the interior of said hat body and substantially near the base thereof, a piece of waterproof silk partially enfolded by said reed cloth and extending about said hat body, stitches

securing both said reed cloth and said silk to said hat body, and means for securing a sweat-



band to said reed cloth and said silk above said stitches.

2,003,956
TEMPERATURE CONTROLLING DEVICE
Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1933, Serial No. 663,766
12 Claims. (Cl. 49—81)



1. A temperature controlling device comprising a vitreous vessel having a capillary bore and a reservoir at one end thereof, a terminal extending into said reservoir, a body of expansible conducting material in said reservoir, and a metallic contact having a perforated portion eccentric with respect to said bore sealed through the wall of said vessel, the perforated edge of said contact extending into said capillary bore to the extent of at least a 90 degree arc.

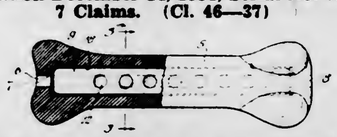
6. The method of sealing a metallic contact in a capillary vitreous vessel which comprises, separating said vessel transversely in the vicinity of said capillary, piercing a contact to provide an aperture substantially corresponding to the diameter of said capillary, assembling the separated portions of the vessel with the apertured contact therebetween on a guide member, sealing said contact in said separated portions, and removing said guide member.

2,003,957
JINGLE BALL
Moses B. Salisbury, Chicago, Ill.
Application November 9, 1934, Serial No. 752,236
3 Claims. (Cl. 46—46)



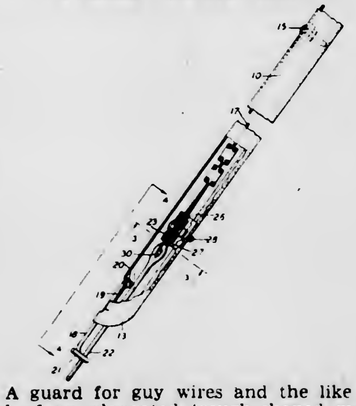
1. A sound producing ball comprising a hollow body portion of semihard rubber, the interior surface of which is irregularly formed, a sound producing device within the ball actuated by movement of the device over the irregular surface, said ball having a sound emitting opening through the wall thereof, the wall of the ball being sufficiently thick to prevent pressure on the ball at any particular spot from inverting the curvature of the wall.

2,003,958
IMITATION BONE AND THE LIKE
Moses B. Salisbury, Chicago, Ill.
Application December 14, 1934, Serial No. 757,481
7 Claims. (Cl. 46—37)



1. A sound producing toy of the character described comprising an elongated rubber body having an opening therein from end to end, an elongated spring strip within said body having indentations formed therein adapted to be snapped back and forth by flexing the wall of said body to produce sound, said body having a pair of opposed grooves in the interior thereof in which the edges of said strip are seated.

2,003,959
GUY SHIELD
Everett St. John, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1931, Serial No. 565,063
6 Claims. (Cl. 189—31.5)



2. A guard for guy wires and the like composed of an elongated trough-shaped member having its edges turned inwardly to form interior grooves, and means mounted in said grooves for securing said guard against rotation.

2,003,960
PRINTING
Ronald Tonkin and James Stevenson Wilson, Earl's Road, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 8, 1932, Serial No. 616,098. In Great Britain June 16, 1931
20 Claims. (Cl. 8—6)

1. Vat dye pastes comprising a water-insoluble vat dye and a quaternary base compound of the general formula

$$X-\underset{R_4}{\overset{R_1}{N}}-\underset{R_3}{\overset{R_2}{}}$$

where R_1, R_2, R_3 and R_4 are the same or different

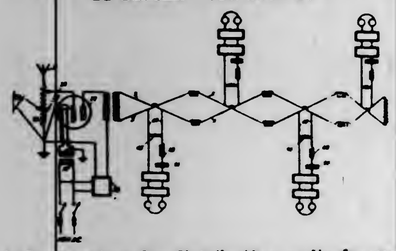
alkyl or aralkyl groups, one at least of which is an alkyl group containing a hydroxy group, and where X represents —OH or an acid residue.

2,003,961
INNER SOLE AND LIKE PRODUCT
Morgan J. Vittengl, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 5, 1932, Serial No. 620,966
2 Claims. (Cl. 36—43)



1. A shoe sole having closely spaced lines impressed therein and running transversely of the sole and impressed lines running in the heel to toe direction of the sole, said last mentioned lines being further spaced than said first mentioned lines.

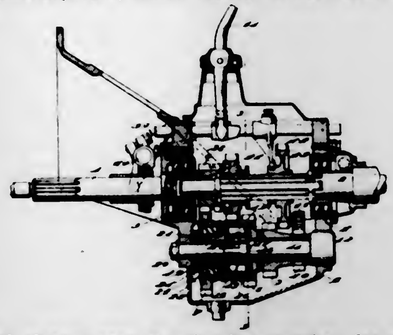
2,003,962
RADIO FREQUENCY DISTRIBUTION SYSTEM
Julius Weinberger, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1929, Serial No. 350,869
14 Claims. (Cl. 250—9)



1. In a system for distributing radio frequency energy, an antenna for collecting radio frequency energy, means at the antenna for amplifying the energy so collected, means comprising a two wire loaded transmission line for transferring aperiodically the amplified energy to isolated points, and means at each one of said isolated points for feeding the transferred energy into a translating device.

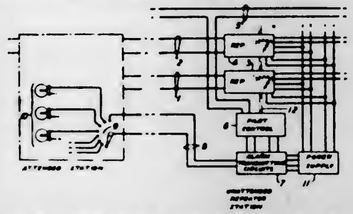
2,003,963
TRANSMISSION
Oscar E. Banker, Philadelphia, Pa., assignor to Continental Illinois Bank and Trust Company, Chicago, Ill., a corporation, as trustee
Application March 21, 1930, Serial No. 437,717
3 Claims. (Cl. 192—4)

1. In a vehicle transmission for operatively connecting a driving and a driven member, a driving and driven gears, a stationary countershaft, a cluster gear on said shaft, driven by said driving member and selectively cooperating with said driven gears to provide a determined gear ratio, a stationary cam, clutch rollers between said cam



and cluster gear, a releasing member for said clutch rollers, a shaft having an arm provided with a ball and socket connection with said releasing member and a clutch throw-off mechanism operatively connected with said last-named shaft to actuate it.

2,003,964
REPEATERED LINE SYSTEM
Harold S. Black, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1932, Serial No. 631,159
4 Claims. (Cl. 179—170)



3. In a repeatered line system, an attended repeater station and an unattended repeater station on the same line, a repeater requiring power located at the unattended station, a local source of power supply for said repeater, a local stand-by source of power also at said repeater, a signal at said attended repeater station, means operating in response to failure in said local source of power for substituting said stand-by source of power to energize said repeater and means controlled by said last mentioned means for actuating said signal at said attended repeater station.

2,003,965
METHOD FOR PRODUCTION OF PURE WHITE SUGAR
Ignaz Bloch, Dessau, Germany
No Drawing. Application May 14, 1931, Serial No. 537,493. In Germany January 22, 1931
9 Claims. (Cl. 127—64)

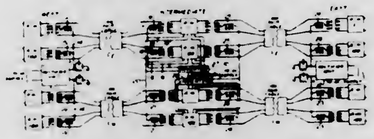
1. In a process of producing sugar from a mass containing sugar crystals and syrup, the step of adding glycol to the mass, agitating the mass and separating the sugar formed by the admixture of glycol from the syrup containing the glycol.

2,003,966
ELECTRICAL CONNECTER AND FIXTURE SUPPORT
Henry D'Olier, Jr., Bridgeport, Conn.
Application May 5, 1927, Serial No. 189,058
6 Claims. (Cl. 173—344)



1. A connecter-socket comprising in a unitary structure a connecter-member with means which can be connected permanently to electrical conductors; and a socket member provided with means for plugging into said connecter member, said connecter-socket being further characterized by a cap and shell surrounding the connecter members with means for directly and mechanically supporting said unitary connecter-socket structure.

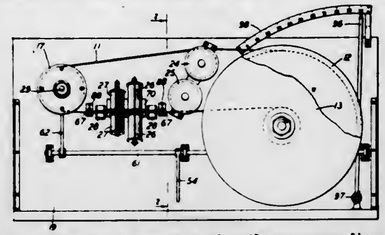
2,003,967
SIGNALING AND POWER SUPPLY SYSTEM
Charles W. Green, Millburn, and Harold S. Black, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1932, Serial No. 625,610
8 Claims. (Cl. 179—170)



3. In a telephone system, an east group of lines and a west group of lines extending between stations, space discharge repeaters at the east station for certain of said lines, each having a cathode adapted to be heated, a source of current at the west station, a circuit supplying current from said source to the space paths of said repeaters comprising said east lines in multiple as one side of the circuit and said west lines in multiple as the opposite side of the circuit and means at said west station controlled over said circuit and actuated in response to a change in load condition at said east station for supplying over said same circuit from said source of current at the west station current for heating the cathodes of said repeaters.

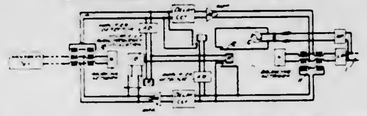
2,003,968
MAGNETIC TELEGRAPHONE SYSTEM
Clarence N. Hickman, Jackson Heights, and Edward C. Wente, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1931, Serial No. 530,168
13 Claims. (Cl. 179—100.2)

1. In a telegraphone, the combination with a translating device and a transversely magnetized tape of the order of one mil in thickness, of a magnet having poles terminating in directly opposed pole faces not more than two mils thick disposed on opposite sides of and in contact with



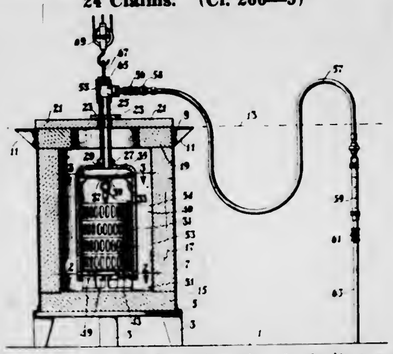
the member, and associated coils surrounding the magnets and connected to the translating device.

2,003,969
TELEPHONE TRANSMISSION SYSTEM
Oliver B. Jacobs, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 25, 1930, Serial No. 438,720
5 Claims. (Cl. 179—170)



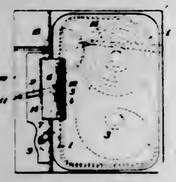
3. A two-way message transmission system comprising signaling means for informing the sender how long to wait before a reply can be expected to be received, said signaling means including instrumentalities for transmitting an audible tone toward the sender, said instrumentalities including a source of oscillations of audio frequency, and control means for causing the operation of said instrumentalities during the entire time the system is in the condition that a reply can not be received.

2,003,970
BELL RETORT FURNACE
Adolph W. Machlet, Elizabeth, N. J.
Application December 3, 1930, Serial No. 499,634
Renewed December 9, 1932
24 Claims. (Cl. 266—5)



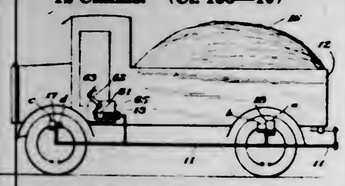
1. A furnace for heat treating including a hot chamber having heat insulating walls, a separate bell retort confined and supported therein for removal from the top thereof, and designed to contain work, said retort being provided at the bottom with an opening through which the work may be inserted or removed, while the retort is out of the furnace, a means at the opening, separable from the retort, designed to hold the work, and a vent for spent gases at the means.

2,003,971
MOTION-PICTURE CAMERA
Kurt Moersbach, Berlin-Lichterfelde, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application May 31, 1930, Serial No. 458,643
In Germany June 10, 1929
8 Claims. (Cl. 88—18.4)



3. In a motion picture camera including a spring motor, a single film feeding mechanism including an element driven by said motor and having a path of movement during part of which it is in feeding engagement with said film and moves the same, a member movable with said element, a device having a cam surface adjustable to and from an operative position, said cam surface when the device is in its operatitve position being disposed so as to be engaged by said member to move said member whereby said element is shifted out of feeding engagement with said film and said spring motor may run down fully, and means accessible exteriorly of the camera for shifting said device to and from its operative position at will.

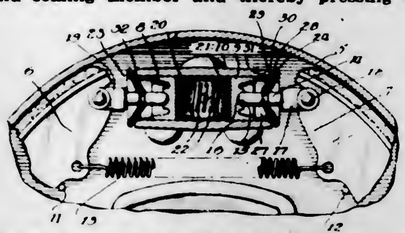
2,003,972
BRAKING SYSTEM
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif., a corporation of California
Application February 14, 1930, Serial No. 428,348
12 Claims. (Cl. 188—10)



1. In a braking system for a vehicle having front and rear wheels, a brake mechanism operable on a front wheel and a brake mechanism operable on a rear wheel, and means for expending energy to operate both of said mechanisms, said mechanisms including means for utilizing a greater proportion of the energy expended in the leading wheel of the vehicle in either direction of its motion.

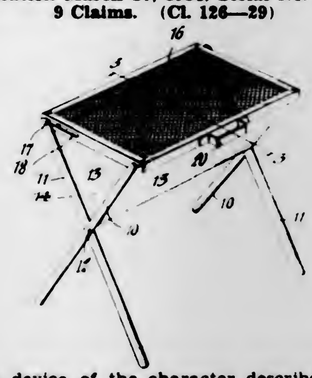
2,003,973
HYDRAULIC BRAKE
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application March 17, 1932, Serial No. 599,478
5 Claims. (Cl. 60—54.6)

1. In brake mechanism of the class described, the combination of a cylinder, a piston therein, a piston rod for actuating a brake shoe, said cylinder presenting an edge, a sealing member carried by said rod, said sealing member comprising a stiff resilient disk, and means provided by said rod for engaging the central portion of said sealing member and thereby pressing the



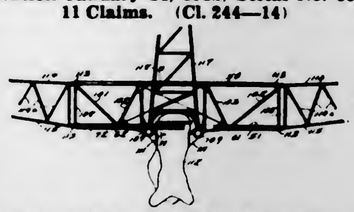
periphery thereof against said edge for all positions of said piston rod.

2,003,974
CAMP STOVE AND THE LIKE
Charles L. Pearson, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York
Application March 17, 1934, Serial No. 716,154
9 Claims. (Cl. 126—29)



1. A device of the character described, comprising a frame including, at each end thereof, a pair of legs pivoted intermediate their ends and opposing side walls connecting the upper portions of the legs, said side walls forming a trough-like fire-box in the unfolded position of the legs, and being in spaced parallel relation in the folded position of such legs, and a grill plate having a combined hinge and laterally shiftable connection at one side to the upper ends of the corresponding legs and engageable at its opposite side with the side wall connecting the companion legs in the unfolded position of the latter, said plate being movable to a position between and in adjoining parallel relation to said side walls in the folded position of the frame.

2,003,975
AMPHIBIAN AEROPLANE
Rufus R. Rand, Jr., Wayzata, Minn.
Application January 14, 1932, Serial No. 586,597
11 Claims. (Cl. 244—14)



4. An aeroplane structure having in combination, a central wing section, a main central

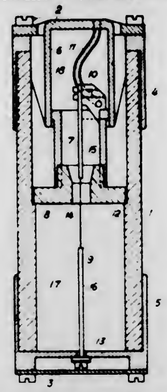
frame of truss construction and of substantially rectangular form within said section, separate side wing sections extending at each side of said frame having wing frames therein secured to said main frame, a hull independent of said main frame except that it is suspended therefrom, a motor suspended from said main frame independently of said hull and disposed principally within said hull, a propeller supported above said central wing section and means for driving said propeller from said motor.

2,003,976
FISHING BAIT DEVICE
Lambert L. Raymond, Minneapolis, Minn.
Application June 29, 1933, Serial No. 678,167
7 Claims. (Cl. 43—45)



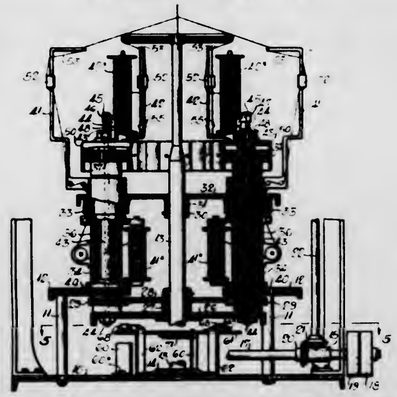
1. The combination with a fish bait in the form of a spoon of concavo-convex form having sides tapering toward one end, the same having an aperture at said end adapted to receive attaching means and having an aperture at its other end for receiving a hook attaching means, of a thin plate-like member of concavo-convex form adapted to fit on the convex side of said spoon and having its sides substantially coincident with the sides of said spoon, said member having elongated means at opposite sides adapted to wedge against the edges of said spoon and prevent sidewise movement of said member on said spoon, said member having its end portions cut away to clear said attaching means at both ends of said spoon.

2,003,977
FUSIBLE CUT-OUT
Daniel Rönnberg, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application June 21, 1933, Serial No. 676,793
In Sweden June 22, 1932
5 Claims. (Cl. 200—120)



1. A fusible cut-out comprising a double cylinder, differential surfaces within said cylinder, a differential piston engaging both said surfaces and dividing the space inside said cylinder into two compartments, a channel in said piston connecting said compartments, a fuse metal strip extending through said channel, an arc extinguishing medium in said cylinder a stream of which is forced through said channel by the motion of the piston.

2,003,978
STOP MOTION FOR BRAIDING MACHINES
John F. Schenck, Sr., Lawndale, and Paul S. Monty, Charlotte, N. C.; said Monty assignor to said Schenck
Application December 8, 1933, Serial No. 701,500
23 Claims. (Cl. 96—19)



1. In a braiding machine having a base and a rotating framework mounted thereon, a plurality of revolving fliers disposed around the periphery of the framework, at least some of the said fliers having a drop member associated therewith, means integral with said drop member and supported by said framework for normally holding said drop members in elevated position, a stop motion device located beneath said drop members, means carried by said fliers and held in elevated position by a strand and engaging said drop members upon the exhaustion of, or parting of a strand, to remove the drop member from its support and allow it to fall to engage and operate said stop motion device, said stop motion device comprising a plurality of fixed supports mounted on said base, a ring member slidably mounted on said fixed supports, an arm secured to said ring member, a plurality of brackets adjustably mounted on said ring member, a trip mechanism normally contacting said arm and secured to said base member, a second set of brackets fixedly secured to said base member and having pivoted means mounted therein normally engaging said adjustably mounted brackets, said pivoted means being engageable by said drop member when a strand parts to impart rotation to said arm and ring to operate said trip mechanism.

2,003,979
DRUM GAME
Danilo Škorić, New York, N. Y., assignor of one-half to Nikola Nirandyitch, New York, N. Y.
Application October 27, 1934, Serial No. 750,235
5 Claims. (Cl. 273—144)

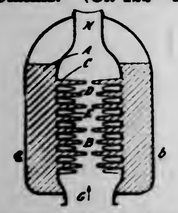
1. A drum game for mixing numbers, comprising a horizontal cylindrical container for holding numbered balls, a stand for stationarily support-

ing said container, a manually controlled discharge for the balls in said container, an axial shaft for said container manually rotative and longitudinally adjustable, a frame within said container and fixed on said shaft, and a stirring



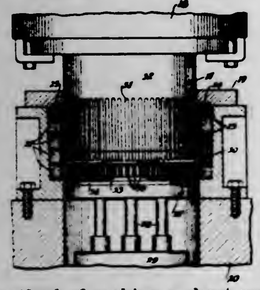
member for said balls fixed on said frame and coactable with the mouth of the ball discharge, said container being open at the top, and a rack for the discharged balls removably mounted over said opening.

2,003,980
STEAM BOILER AND WATER-HEATER
Edward Frank Spanner, Blackheath, London, England
Application June 11, 1934, Serial No. 729,939
In Great Britain June 20, 1933
10 Claims. (Cl. 122—173)



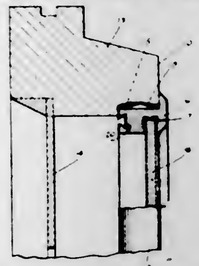
1. In a steam boiler having a tube plate forming a passage for hot gases; a shell enclosing said tube plate to form a water space; and a plurality of horizontal rows of slightly conical thimble tubes in said tube plate each of said thimble tubes communicating with said water space and extending radially into said passage: the arrangement of the thimble tubes so that slightly conical thimble tubes of different lengths and different sizes are interspaced in each horizontal row.

2,003,981
METHOD OF CORRUGATING SHEET METAL RECEPTACLES
Jacques Stanitz and George D. Boyer, Warren, Ohio, assignors to The Youngstown Pressed Steel Company, Warren, Ohio, a corporation of Ohio
Application July 24, 1933, Serial No. 681,833
5 Claims. (Cl. 153—70)



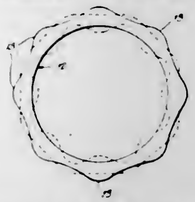
1. The method of making a sheet metal receptacle having grooved side walls, a bottom wall and a curved corner wall therebetween, which includes forming a receptacle blank with integral side and bottom walls and with a curved corner wall therebetween, and then forming spaced grooves in said side walls extending upwards from a portion of said curved corner wall by telescoping said formed receptacle blank upon a grooved male die having outer bounding surfaces conforming to the inner surfaces of said receptacle blank, and by then relatively telescoping said male die with said receptacle blank thereon in a female die having rolling die means corresponding in contour substantially to the contour of said male die grooves for forcing said receptacle blank into said female die to form grooves in said blank side walls progressively upwards from a portion of the curved corner wall thereof.

2,003,982
WINDOW CONSTRUCTION
Earl C. Swanson, Bayport, Minn., assignor to Andersen Frame Corporation, Bayport, Minn., a corporation of Wisconsin
Application October 17, 1932, Serial No. 638,094
12 Claims. (Cl. 20—56.5)



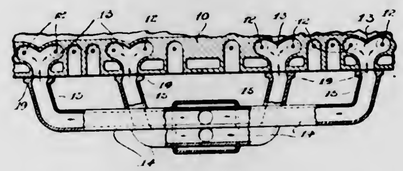
1. A window construction comprising a main glazed sash frame having inwardly facing edges spaced from the plane of the glass, an auxiliary glazed frame adapted to seat in said main sash frame, and means on said auxiliary frame for holding it securely in said main sash frame and for sealing the space between the main glass and the auxiliary glass.

2,003,983
WRENCH
Arthur F. Thener, St. Louis, Mo., assignor to Cupples Company, Manufacturers, St. Louis, Mo., a corporation of Missouri
Application September 28, 1932, Serial No. 635,134
4 Claims. (Cl. 81—3.1)



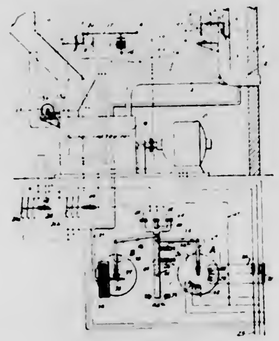
1. An adjustable wrench in the form of a ring made of elastic material having an inner face to engage the article to be turned and an outer face provided with abutments, said ring being reversible to transpose the locations of said inner and outer faces and at the same time reduce the internal diameter of the wrench, and said wrench being freely contractible when reversed, so as to force said abutments into gripping engagement with the article to be turned.

2,003,984
ENGINE
Harold H. Timian, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application April 16, 1931, Serial No. 530,507
21 Claims. (Cl. 123—52)



1. An intake manifold structure for an internal combustion engine and including a primary conducting portion, a manifold branch having an obtuse bend, and non-restricting means beyond the bend for correcting stratification of the fuel adjacent the manifold branch outlet.

2,003,985
FUEL CONTROL SYSTEM
Frank O. Wallene, Lakewood, Ohio
Application February 19, 1931, Serial No. 516,937
4 Claims. (Cl. 110—103)



1. In combination, a boiler furnace, fuel crushing and feeding means communicating therewith, fuel supply means for said fuel crushing and feeding means, air supply means for the furnace, means responsive to variations in a factor of boiler operation desirably maintained uniform for controlling said fuel supply means, and means responsive to the operating load of the fuel crushing means for controlling the air supply means.

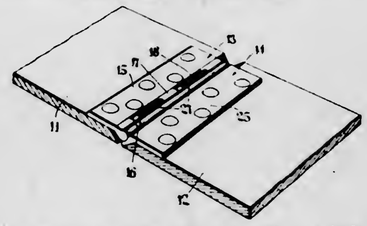
2,003,986
ADJUSTABLE PLANT STAND
Frank Witthuhn, Cleveland, Ohio
Application April 7, 1934, Serial No. 719,471
4 Claims. (Cl. 47—39)

1. A plant stand, comprising a standard having spaced legs mounted on the floor, vertically adjustable communicating tubes having the bottom tube releasably mounted on the standard, a flower pot holder releasably mounted on the top tube and communicating with the tubes, and a catch basin adapted to be slid between legs of the standard for receiving water draining from the flower pot holder through the tubes, the catch basin being of such size and contour that it may



be fitted within the flower pot holder when the standard is taken apart.

2,003,987
BELT FASTENER
Samuel Amantea, Niagara Falls, N. Y.
Application October 30, 1933, Serial No. 695,929
2 Claims. (Cl. 24—33)

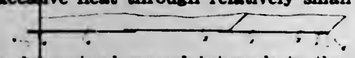


1. In a belt and fastener therefor, a belt having the ends thereof beveled to define a recess of substantially V-shape on the outer surface of the belt when the ends are brought into adjacency, a part secured to one end of the belt and having a body portion with a substantially flat lower surface seated upon the outer surface of the belt, and a hook portion integral with the body portion, said hook portion being disposed in the recess between the belt ends and having the mouth thereof opening upwardly, another part secured to the other end of the belt and having a body portion with a substantially flat lower surface seated upon the outer surface of the belt, and said other part having an integral cylindrical portion engaged by said hook portion with the longitudinal axis substantially coincident with the axis of curvature of the inner surface of the hook, and arm portions connecting the cylindrical portion to the body portion of said other part, said arm portions extending from the body portion in downwardly inclining relationship and the axis of the cylindrical portions being at least as low as the plane of the outer surface of the belt.

2,003,988
SHEET MATERIAL FOR CURING AND PROTECTING CONCRETE AND METHOD OF MAKING
Edward H. Angier, Framingham, Mass.
Application January 12, 1932, Serial No. 586,193
3 Claims. (Cl. 25—1)

2. The improved process of curing concrete which consists in laying the concrete, then apply-

ing to its upper surface a water-proof repellent material to normally protect the concrete from rapid escape of moisture, while permitting escape of excessive heat through relatively small holes



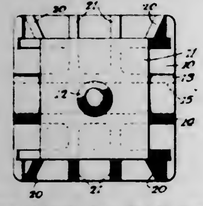
at predetermined spaced intervals in the cover, and the adding of additional water, if desired, through said holes without removing the cover to complete the curing of the concrete.

2,003,989

FOLLOWER BLOCK FOR DRAFT GEARS

Herbert E. Bartsch, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., Chicago, Ill., a corporation of Illinois

Application August 26, 1932, Serial No. 630,555
2 Claims. (Cl. 213—1)



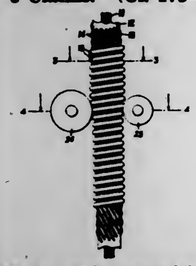
1. A follower block for draft gears comprising two end walls, a pair of straight transverse webs uniting the end walls and spaced to define a key-way, a pair of imperforate relatively spaced vertical webs extending from the first-named webs adjacent the center line of the block and uniting the end walls as solid columns, and an imperforate horizontal web extending laterally outward from the end of each vertical web and uniting the end walls, said webs forming sets on opposite sides of the key-way, the webs of each set being connected to form laterally open channels.

2,003,990

ELECTRIC CABLE

George Carlson, Bridgeport, and Homer G. Knoderer, Fairfield, Conn., assignors to General Electric Company, a corporation of New York

Application August 27, 1932, Serial No. 630,712
3 Claims. (Cl. 173—267)



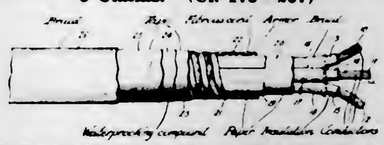
3. An electric cable comprising a conductor, a cover of insulating material for said conductor, a second conductor consisting of a plurality of separate strands wound spirally with a long pitch spiral about said first named conductor and spaced around the circumference of said covering; and a metal armor wound directly over and in contact with said strands, said armor being wound with a short pitch spiral with spaced convolutions.

2,003,991

WEATHERPROOF ARMORED CABLE

George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application April 1, 1933, Serial No. 663,971
3 Claims. (Cl. 173—267)



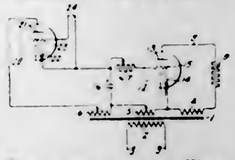
3. In an electric cable, a plurality of electric conductors, a covering of insulating material for each conductor, a spiral armor surrounding the conductors, a rubber filled tape on the armor, a layer of asphaltic compound covering the rubber filled tape, a second rubber filled tape located over said compound, and an overall braid impregnated with a flameproof saturant.

2,003,992

TIME DELAY CIRCUIT CONTROLLING APPARATUS

William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 8, 1934, Serial No. 729,634
5 Claims. (Cl. 250—27)



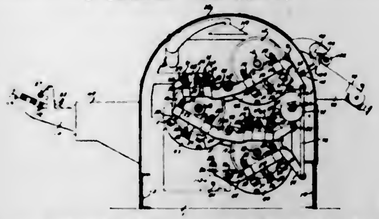
1. Time delay circuit controlling apparatus comprising an electric valve having an anode and cathode connected with said circuit and a control grid, a capacitor connected between the grid and the cathode, means for supplying a negative bias to said grid, means for giving the capacitor a charge opposing said negative bias, and means for retarding the discharge of the capacitor, said capacitor and retarding means being such that the negative grid bias is effectively opposed for the time of said delay.

2,003,993

DOUBLE SIDE IRONER

Forrest J. Couch, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application April 7, 1930, Serial No. 442,125
8 Claims. (Cl. 68—9)



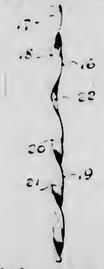
1. An ironing machine comprising, a frame, a pair of vertically spaced rotatable padded rolls, a rotatable padded roll spaced laterally and substantially equidistantly from said first named rolls and having a diameter greater than the spaces between said rolls, an ironing chest having an ironing face extending from one side and substantially the level of the horizontal axis of the upper roll, underneath the same and to a point adjacent the top side of the roll spaced laterally therefrom, an ironing chest having an ironing face engaging the top side of the laterally spaced roll, and a single supporting means for said two ironing members including a member pivotally mounted intermediate said ironing members with the ironing members so disposed thereon relative to the pivot thereof that the weight of one chest tends to counter-balance the weight of the other.

2,003,994

MARBLE-SAWING WIRE

Pierre de Vitry d'Avocourt, Basses-Pyrenees, France

Application June 26, 1934, Serial No. 732,482
In France May 15, 1933
5 Claims. (Cl. 125—12)



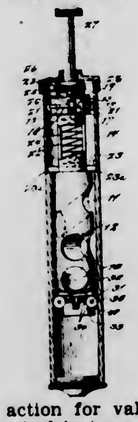
1. A saw wire of the character described comprising a uniform strip of hard steel having sections twisted to form opposed helical grooves for the accommodation of abrasive material, the helical grooves in adjacent sections being pitched in opposite directions.

2,003,995

GUIDING ACTION FOR VARIOUS VALVES AND SLIDES FOR MUSICAL, BRASS, AND OTHER INSTRUMENTS

Nathan Einhorn, Philadelphia, Pa.

Application October 9, 1934, Serial No. 747,634
8 Claims. (Cl. 84—392)



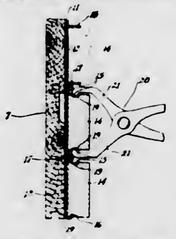
1. A guiding action for valves and slides of various brass musical instruments, comprising a movable element and a stationary element one within the other, and roller bearings and mounting means therefor, so constructed and arranged at opposite ends of one of the elements and cooperating between them to have surface engagement with one element only so as to hold the adjacent surfaces of said elements out of contact with less than standard clearance and entirely eliminating frictional engagement between said adjacent surfaces of the elements.

2,003,996

VENEER WALL CONSTRUCTION

Charles S. Finzer and Edward G. Finzer, Sugarcreek, Ohio, assignors to The Finzer Brothers Clay Company, Sugarcreek, Ohio, a corporation of Ohio

Application October 12, 1934, Serial No. 748,052
13 Claims. (Cl. 72—19)



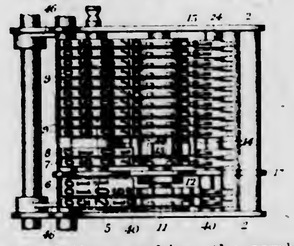
1. In veneer wall construction, a wall, spaced strips on the wall, means attaching the strips to the wall, each strip having longitudinally spaced pliable projections for securing adjacent veneering units, and a plurality of veneering units each having grooved opposite surfaces, the projections being rigidly engaged with the grooves for interlocking the veneering units in position on the wall.

2,003,997

CROSSFOOTER REGISTER

Harry A. Foothorap, Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application April 25, 1931, Serial No. 532,813
3 Claims. (Cl. 235—59)



3. In a calculating machine, the combination with a master actuator; of a totalizer for accumulating decimal and non-decimal items, the denominational wheels of which are arranged in sets, the wheels of one set being of different diameter from the wheels of another set, the master actuator and the totalizer being relatively shiftable laterally to effect the engagement of the master actuator and successive wheels of the totalizer; axial supports for the respective sets of totalizer wheels in end to end eccentric relation, and so arranged that the peripheries of the totalizer wheels of less diameter lie flush with the

peripheries of the totalizer wheels of larger diameter along a horizontal line defined by the points of engagement of the master actuator and all the totalizer wheels; a set of visible, denominational indicating wheels all of like diameter; a rectilinear axis on which all the indicating wheels are journaled; pinions fast with the respective indicating wheels, the pinions on the indicating wheels corresponding with the actuator-driven wheels of one set, varying in diameter from the pinions on the indicating wheels associated with the actuator-driven wheels of another set; similarly variant sets of transmission wheels intermediate and connecting the denominational pinions and their corresponding denominational totalizer wheels; and one of the sets of intermediate transmission wheels being eccentrically mounted relatively to another, corresponding with the eccentric mounting of the sets of totalizer wheels with which they respectively engage, the denominational indicating wheel pinions and their transmission gears being of diameters corresponding with the diameters of the denominational totalizer wheels with which they are respectively in train; carrying mechanisms for the respective totalizer wheels except that of lowest denominations, the carrying mechanisms being arranged in sets corresponding with the sets of denominational totalizer wheels; and separate axes for the respective sets of carrying mechanisms, the axes being arranged eccentrically relatively to each other.

2,003,998

LACE YOKE AND METHOD OF MAKING THE SAME

Solomon Goodman, Brooklyn, N. Y.
Application November 23, 1934, Serial No. 754,517
2 Claims. (Cl. 28—1)



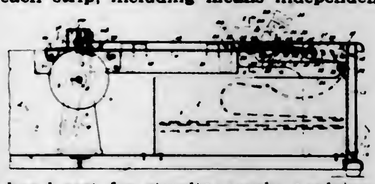
1. An article of manufacture comprising a strip of lace material having parallel side edges and provided with a series of repeat designs of predetermined configuration woven therein and defining garment trimming units, each of said units being severable from the strip and having a definite line of demarkation extending inwardly from one edge to define a cutting guide along which to sever a segment from the unit to produce a neck yoke, said segment and said neck yoke each embodying a complete design and constituting individual garment trimming elements.

2,003,999

AUTOGRAPHIC REGISTER

Louis F. Hagemann, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application October 17, 1925, Serial No. 62,974
Renewed May 29, 1931
13 Claims. (Cl. 271—2.1)

1. An autographic register, comprising, in combination, means for feeding a plurality of superposed record strips into inscription-receiving position with reference to a tablet, a hand rest and tensioning means for applying a separate tension on each strip, including means independent of

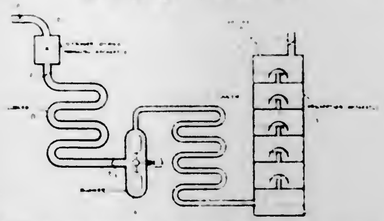


the hand rest for simultaneously applying and releasing the tension.

2,004,000

PROCESS AND APPARATUS FOR MANUFACTURE OF NITRIC ACID

Ingenuin Hechenbleikner, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation, a corporation of Delaware
Application May 8, 1928, Serial No. 276,031
18 Claims. (Cl. 23—162)



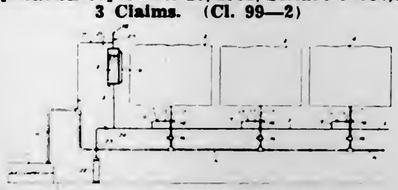
8. The process of manufacturing nitric acid which comprises producing oxides of nitrogen by oxidizing ammonia at a pressure not substantially above atmospheric, then absorbing said oxides in an absorbing liquid at a pressure substantially greater than atmospheric.

17. A nitric acid plant comprising an apparatus for producing oxides of nitrogen, an apparatus for absorbing said oxides of nitrogen, and a compressor apparatus interposed between said nitrogen oxide producing apparatus and said absorption apparatus and operating for withdrawing the nitrogen oxides from the first apparatus, for compressing the oxides of nitrogen, and for delivering said nitrogen oxides to said second apparatus under pressure.

2,004,001

APPARATUS FOR CONDITIONING GRAIN

Louis R. Henkle, Lawrenceburg, Ind., assignor to Pneumatic Process Corporation, St. Louis, Mo., a corporation of Indiana
Application September 10, 1931, Serial No. 562,055
3 Claims. (Cl. 99—2)

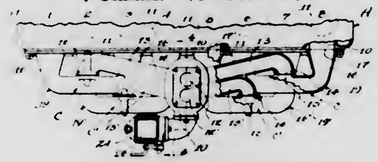


3. A grain bin provided with an air conductor at the bottom of the bin, means for forcing air under pressure through said conductor and upwardly through said grain bin, an atomizing injector in said air conductor, and another conductor through which a conditioning agent is transmitted to said atomizing injector, said air conductor being substantially vertical at said atomizing injector and provided with an indicating device below said injector to show the atomization of the conditioning agent in said air conductor.

2,004,002

ENGINE

Lewis P. Kalb, Grosse Pointe Village, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application April 13, 1932, Serial No. 605,017
7 Claims. (Cl. 123—52)

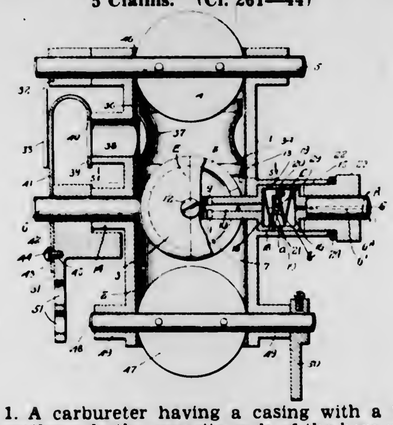


1. An intake manifold structure for an engine and including a lateral runner terminating in an outlet port opening laterally outwardly of said engine, and a port runner connecting said lateral runner outlet port with the engine.

2,004,003

CARBURETOR

Guy L. Kennedy, New York, N. Y., assignor to Ken-Crip Corporation, a corporation of New York
Application January 5, 1925, Serial No. 687
Renewed October 14, 1931
5 Claims. (Cl. 261—44)



1. A carbureter having a casing with a bore therethrough, the opposite ends of the bore serving as the main inlet and outlet of the casing, a hollow member open at both ends in the bore, said member presenting one end to said inlet and being secured around its periphery at said end to the inside of said bore, and being separated from the inside of said bore by a restricted space at its opposite end, which is the smaller, said member being contracted and imperforate between its ends, the casing having a port to admit air to said space adjacent the contracted part of said member, means for admitting hydrocarbon to said bore, a combined rotary valve and spray nozzle in said bore adjacent the end of said member secured to the inside thereof, and means connected to the rotary valve and nozzle to control said port.

2,004,004

WEATHERPROOF ARMORED CABLE

Homer G. Knoderer, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application April 1, 1933, Serial No. 663,974
Renewed February 8, 1935
4 Claims. (Cl. 173—266)



1. In an electric cable, an electric conductor, insulating material surrounding said conductor, a second conductor consisting of strands spirally wound about said conductor and insulation, a metallic armor wound around and in contact with said second conductor, a tape of fibrous material covering said armor, a weatherproofing compound covering said tape, and an overall braid of fibrous material impregnated with a flameproof material.

2,004,005

MOUNTING FOR RIMLESS SPECTACLES AND EYEGLASSES

Michael R. McDanal, Denver, Colo.
Application March 6, 1934, Serial No. 714,237
4 Claims. (Cl. 88—47)



1. A mounting for rimless spectacles and the like comprising, in combination, a lens, a front piece and a back piece adapted to engage respectively the front and rear faces of the lens, an aperture in the lens, an indentation in the rear face of the lens entirely within its periphery and entirely without said aperture, an indentation on the inner face of the back piece and a member positioned between the back piece and the lens and adapted to engage the indentations in the lens and back piece to prevent interrelative rotation of the back piece and the lens and means, operable through said aperture for drawing the front and back pieces toward each other whereby to interlock the elements of the combination.

2,004,006

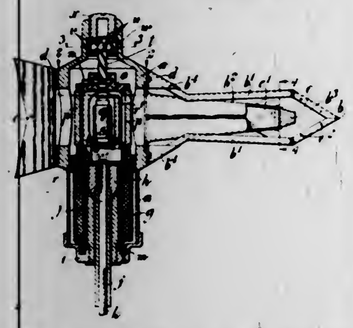
FASTENING DEVICE

Harry J. McKeon, Galesburg, Ill.
Application June 20, 1934, Serial No. 731,509
1 Claim. (Cl. 151—33)



A fastener of the class described, comprising a bolt and nut, said nut being provided in its marginal portions with a pair of opposed keeper notches for reception of an adapter, as well as in the adjacent rim portions with grooves intersecting said notches for receiving a second adapter, each adapter embodying fingers for reception in the notches and grooves.

2,004,007
DIRECTION INDICATOR
Robert Shaw Miller, Ashton-under-Lyne, England
Application August 3, 1934, Serial No. 738,331
In Great Britain July 8, 1933
8 Claims. (Cl. 177—329)
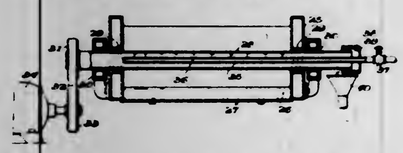


2. A direction indicator of the type described comprising a rotatable casing, a support for said casing, an indicator on said casing, electro-magnetic means adapted to move said casing axially and mechanical means removed and separate from said electro-magnetic means adapted to be operated by said casing during its axial movement to impart a rotary movement to said casing.

2,004,008
SAFETY RAZOR BLADE
Vincent Minnelli, Pittston, Pa.
Application July 31, 1934, Serial No. 737,845
4 Claims. (Cl. 30—12)



1. A blade of the class described having a notch in its upper edge engageable by feeding and retaining means of a razor construction, lugs extending from the blade at opposite ends thereof, the blade at its cutting edge having notches of less depth than the length of said lugs for the purpose specified.

2,004,009
METHOD OF AND APPARATUS FOR CONDITIONING CHOCOLATE OR THE LIKE
William A. Moir, New York, N. Y.
Application June 4, 1934, Serial No. 728,991
16 Claims. (Cl. 99—11)

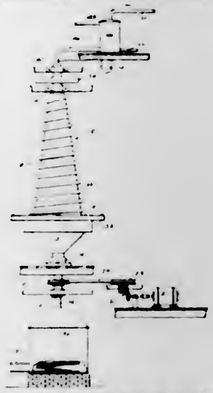


1. The method of treating a chocolate mass for providing a fine fat grain throughout substantially the entire mass, comprising rapidly rotating the mass and causing parts of the same to momentarily contact with a cooling medium.

2,004,010
PROCESS OF PRODUCING PENTAERYTHRITE
Erich Naujoks, Constance, Germany, assignor to Deutsche Gold & Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a company of Germany
No Drawing. Application August 29, 1932, Serial No. 630,944. In Great Britain June 21, 1932
16 Claims. (Cl. 260—156.5)

1. A process for the production of pentaerythrite, comprising condensing formaldehyde with acetaldehyde in aqueous solution in the presence of an alkaline condensing agent, and interrupting the condensation not later than at a point ranging from several hours to several days after the start of the process, at which there is a minimum amount of reducing substances, and before the amount of reducing substances begins increasing anew due to the reaction, this minimum being determined by titration with Fehling's solution.

2,004,011
CENTRIFUGAL COUNTER CURRENT CONTACT APPARATUS
Walter J. Podbielniak, Tulsa, Okla.
Application August 18, 1930, Serial No. 476,190
30 Claims. (Cl. 202—158)



1. Apparatus of the character described comprising, a rotatable fractionating tube, means for passing vapors through said tube, means for passing reflux liquid through said tube countercurrently to the vapors, and means for rotating said tube so as to exert centrifugal force on the fluid thereby and cause the liquid and vapors to flow in separate paths.

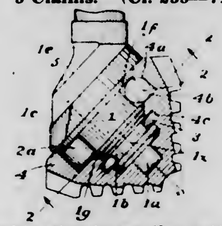
2,004,012
ROLLER CUTTER AND SPINDLE ASSEMBLY FOR EARTH BORING DRILLS
Clarence E. Reed, Wichita, Kans.
Application July 2, 1934, Serial No. 734,752
25 Claims. (Cl. 255—71)

1. A roller cutter assembly for earth boring drills comprising a frusto-conical cutter, having a comparatively large diameter bore open at its base, with adjoining bores of progressively smaller diameter, the smallest bore being within the apex portion of the cutter, a spindle having a raceway complementary to a raceway in the bore of the cutter of intermediate diameter, anti-friction bearings in said raceway for rotatively locking the cutter on the spindle, anti-friction bearings in the form of comparatively large diameter balls positioned in the largest bore at the base of the cutter to take end thrusts outwardly from the vertical axis of rotation of the drill, and a spindle support having a portion at and extending across the open end of the large bore of the cutter, said balls rolling upon raceway surfaces



in the cutter bore, on the spindle and on the said portion of the spindle support at the open end of the bore, the free end of the spindle having a reduced cylindrical extension fitting in the smallest bore of the cutter, substantially as described.

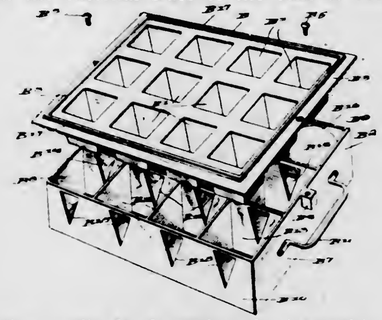
2,004,013
ANTIFRICTION BEARING ASSEMBLY FOR DRILLS
Clarence E. Reed, Wichita, Kans.
Application July 11, 1934, Serial No. 734,662
5 Claims. (Cl. 255—71)



1. In combination in a roller cutter and spindle assembly for earth boring drills a spindle formed of two sections, the main section of which has a raceway and the terminal section of which spindle has a raceway between itself and the main section, a roller cutter mounted on the spindle having a raceway engaged by anti-friction locking means which also engage the raceway between the sections, means for holding the sections of the spindle together, said roller cutter having a bore open at one side thereof, anti-friction balls and anti-friction rollers arranged in alternation in the said bore of the roller cutter, and a base plate confining the balls and rollers in said bore and adapted to take end thrusts from the balls, substantially as described.

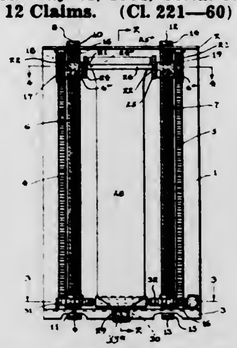
2,004,014
REFRIGERATING APPARATUS
Alfred F. Sanford, Knoxville, Tenn.
Application August 5, 1931, Serial No. 555,277
31 Claims. (Cl. 62—108.5)

1. An ice making receptacle for domestic refrigerators comprising a plurality of ice-containing cells arranged in rows extending longitudinally and transversely of the receptacle with a plurality of cells to each row and having walls spaced from the external sides of the cells to receive



heating media for loosening the ice within the cells, and means confining the action of the heating media to less than all of the cells.

2,004,015
DISPENSING DEVICE
William H. Scott, Rochester, N. Y.
Application May 21, 1934, Serial No. 726,852
12 Claims. (Cl. 221—60)

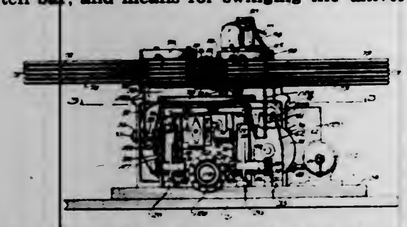


1. A dispensing device for collapsible containers comprising a support including a body portion having laterally directed horizontally disposed upper and lower end members and spaced longitudinally arranged series of corrugations forming a pair of longitudinal racks, spaced, longitudinally disposed feed screws journaled in said end members and arranged within said racks, transversely aligned bearing blocks having screw-threaded connection with said feed screws, transversely aligned shafts journaled in said bearing blocks and carried by the same, means connected with the inner ends of the shafts for engaging a collapsible container, gears carried by the outer ends of the shafts and meshing with the racks of the support for rotating the shafts to collapse the container, and means for rotating said feed screws to move said bearing blocks along the feed screws and simultaneously rotate said gears to rotate said shafts and collapse the container.

2,004,016
SELECTIVE PHONOGRAPHIC PLAYING MACHINE
Paul H. Smyth, Jr., Evanston, Ill.
Application October 8, 1931, Serial No. 568,610
Renewed November 24, 1933
44 Claims. (Cl. 274—10)

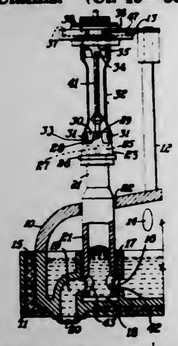
12. In phonographic mechanism of the class described, the combination of a set of ring shaped

record carriers normally standing in column relation, each provided with an extension, vertically extending pivoting means for the several extensions, a universal latch bar associated with the set of carriers and mounted to swing inwardly, a latching finger on each of the carrier extensions adapted when tripped to be engaged by the universal latch bar, selector means for tripping the latching finger of the selected carrier to position to be engaged by the universal latch bar, and means for swinging the universal



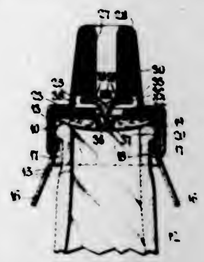
latch bar to carry with it the engaged record carrier, a restoring bar associated with the universal latch bar and mounted to swing therewith and adapted to engage a previously swung record and restore it to column position, a turntable and means for rotating the same, and means for raising and lowering the turntable through the planes occupied by the respective carrier rings when swung inwardly to engage and elevate a selected record and subsequently restore the same to its carrier ring, and means for playing the selected record when elevated.

2,004,017
GLASS FEEDING APPARATUS
David Stenhouse, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application August 5, 1932, Serial No. 627,559
16 Claims. (Cl. 49—55)



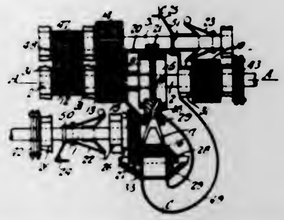
1. A glass feeding mechanism comprising in combination a glass container, an air-bell extending into the molten glass in said container, a member in said container surrounding the lower end of said air-bell and having a port and passageway opposite said port and leading to the bottom of said container, said bell having ports therein simultaneously registering with the port and passageway in said encircling member, means for rotatably adjusting said bell to change the position of the ports therein relative to the ports in said member, and means for creating alternate suction and pressure within said bell to draw glass through the intake port and expel it through said passageway.

2,004,018
BEVERAGE BOTTLE CAP
Luke J. Strauss, Buffalo, N. Y.
Application October 24, 1934, Serial No. 749,843
6 Claims. (Cl. 225—22)



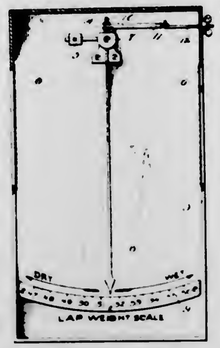
1. In a device for dispensing fluid contents from a sealed container having a cap sealed thereon, a chambered member having means for detachably securing it to the container cap, a tiltable member having a conduit for directing the flow of fluid from the container, said chambered member having an opening slidably and tiltably receiving the tiltable member, a valve portion provided on the tiltable member for normally closing said opening in the non-tilted position of the latter member, cap puncturing means supported by the tiltable member to pierce the container cap in response to pressure applied to the last mentioned member, and resilient means engaging said members and yieldably maintaining the tiltable member against tilting movement and against sliding movement in the opening of the chambered member.

2,004,019
POWER TRANSMISSION
Charles Condon Swetenham, Sherborne, England, assignor to himself, Clement Alfred Swetenham, and Leslie Mary Swetenham, all of Sherborne, Dorsetshire, England
Application July 5, 1932, Serial No. 620,911
In Great Britain July 14, 1931
6 Claims. (Cl. 60—54)



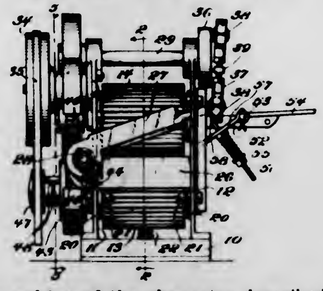
1. A variable speed power transmission gear, in which the energy transmitted is converted into hydraulic energy and then reconverted to mechanical energy, comprising a driving shaft, a pump with its impeller mounted thereon, a driven shaft, a plurality of impulse turbines, gearing between the impulse turbines and driven shaft differing in ratio as between one turbine and another, a driving shaft governor, a driven shaft governor, means for operatively connecting the pump discharge relatively to one or other turbine, and a controlling connection between said selection means and both governors.

2,004,020
COTTON-LAP WEIGHT INDICATOR
William Hosah Trogdon Worthville, N. C.
Application April 10, 1933, Serial No. 665,412
3 Claims. (Cl. 73—24)



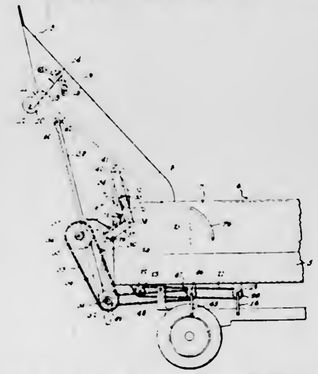
1. In a lap weight indicator, a lap weight scale, a pivoted pointer member adapted to work over said scale and having a threaded extension beyond its pivot, means tending to swing said pointer toward the wet end of the scale, a hygroscopic member and means whereby one end thereof is secured to the aforesaid extended end of the pointer member in a manner to be adjusted therealong to thus vary the movement of the pointer member for any given increase or decrease in length of the hygroscopic member, and means attached to the other end of said hygroscopic member for manually bodily adjusting it for the purpose set forth.

2,004,021
FEEDING MECHANISM FOR CUTTING MACHINES
Raymond M. Tucker, Sherman, Tex.
Application October 25, 1933, Serial No. 695,189
3 Claims. (Cl. 271—2.4)



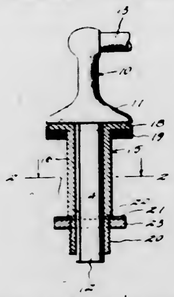
1. A machine of the character described comprising a frame, upper and lower feed rollers therein, fixed bearings for one of the rollers, displaceable bearings for the other roller, a tensioning yoke mounted on the frame and having connection with the displaceable bearings and adapted for swinging movement, means for tensioning the said yoke to urge one roller toward the other and maintain it under tension, means for limiting the swing of the yoke, a guide platform for strip material arranged to one side of the rollers and in a plane to have the strip material pass therebetween, a presser bar overhanging the platform, a tensioning arm swingingly supported and pivoted to said presser bar, means regulating the tension of the presser bar, a gear on an axle of one of the rollers, a gear on an axle of the other roller, one gear being loose and the other fixed, a pointer on the fixed gear, a two-part clutch for clamping and unclamping the loose gear, a measuring dial on the outermost part of said clutch and cooperating with the pointer, and a hand knob cooperating with the clutch for rendering the same ineffective for clamping and unclamping action.

2,004,022
TRUCK
John Twik, South Ozone Park, N. Y.
Application June 5, 1933, Serial No. 674,439
1 Claim. (Cl. 214—78)



In a truck, a body, a shovel adjacent one end of said body and having a scooping end and a delivery end, means pivotally connected to the shovel adjacent the delivery end of the latter for elevating and lowering that end and means pivotally connected to the shovel adjacent the scooping end for raising and lowering the latter end and for varying the shoveling angle and the delivery angle of the shovel.

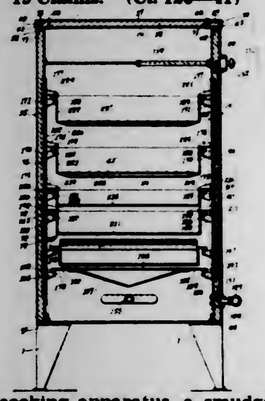
2,004,023
TOILET SEAT HINGE
John Uffen, Santa Paula, Calif.
Application March 17, 1934, Serial No. 716,185
3 Claims. (Cl. 4—240)



1. In a toilet seat hinge including a pintle for the hinge, a post for holding the pintle in upwardly spaced relation to the toilet bowl, a flange integral with the post, a stud integral with the post, said stud being substantially round in transverse section and having a flat face extending longitudinally thereof and means for removably mounting said stud in the toilet bowl, said mounting means comprising a substantially cylindrical socket member having a flat surface longitudinally thereof to slidably receive said stud and

holding said stud against turning, a flange integral with the upper end of said cylindrical socket member, a gasket interposed between said socket flange and the top of the bowl, a reduced threaded lower end portion formed on said socket member, a washer engaging against the shoulder formed between the reduced threaded portion of the socket member and the remaining portion of the socket member, and a nut threadedly engaging said threaded portion of the socket member for permanently securing said socket member in the bowl.

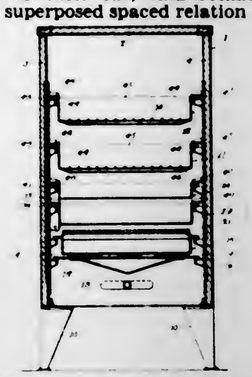
2,004,024
COOKING APPARATUS
George Van Veorst, Jr., Kansas City, Mo., assignor to Rutherford System Incorporated, Kansas City, Mo., a corporation of Missouri
Application June 15, 1933, Serial No. 676,004
19 Claims. (Cl. 126—41)



1. In a cooking apparatus, a smudge box element including an open top container and an insulated cover for the latter, said cover being formed with a section for extending into the container and a section arranged exteriorly of the container, said sections positioned relative to each other to provide an outlet at each end of the top of the container, and means secured to and encompassing the container for suspending it.

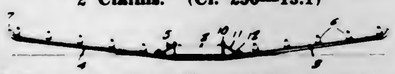
2,004,025
COMBINED TRACK-FORMING, SPACING, AND RETAINING STRUCTURE
George Van Veorst, Jr., Kansas City, Mo., assignor to Rutherford System, Incorporated, Kansas City, Mo., a corporation of Missouri
Original application June 15, 1933, Serial No. 676,004. Divided and this application December 9, 1933, Serial No. 701,693
4 Claims. (Cl. 312—150)

1. In a combined track forming, spacing and retaining structure for slidable objects, two opposed spaced parallel pairs of spaced vertical parallel bars, a suspension lug anchored at one end to and extending at right angles from one face of each of said bars, each lug being formed with a socket opening at its other end, the lugs of each pair of bars arranged in parallel relation, the lugs of one pair of bars being arranged in parallel relation with respect to the lugs of the other pair of bars, a track member positioned against the said other ends of the lugs of each pair of bars, and means extending through said members and into the sockets of said lugs for anchoring said members to the lugs in suspended position, said members being disposed in parallel spaced relation to provide a track for suspendingly supporting the object, a retainer lug anchored at one end to and extending at right angles from said face of each bar, said retainer lugs arranged in superposed spaced relation with respect



to said suspension lugs, and said retainer lugs being of greater length than suspension lugs and extending over and spaced from said members, each of said members including a pair of end portions disposed at right angles to the said oblong portion and arranged in parallel spaced relation, one of said end portions being of less width than the other.

2,004,026
GUARD
George Riley Wooten, Fredonia, Kans.
Application August 14, 1933, Serial No. 685,112
2 Claims. (Cl. 256—13.1)



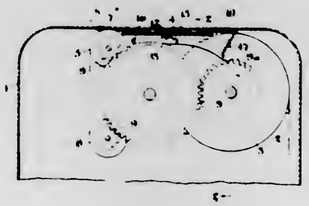
2. In combination with an abutment, upper and lower guard rails extending from the ends of the abutment and curving laterally away from the side of a road, posts for supporting the rails, and clamps detachably connecting the rails to the abutment.

2,004,027
CLOSURE FOR CONTAINERS
Donald E. Baxter, Los Angeles, Calif.
Application October 27, 1933, Serial No. 695,482
5 Claims. (Cl. 215—74)



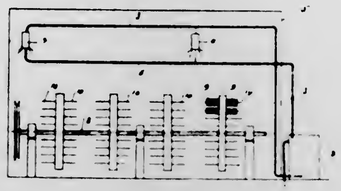
1. Closure means for the opening of a container including, a closure body closing the opening and having a discharge opening communicating with the interior of the container, a removable sealing member arranged on the outer end of the body and sealing the outer end of the discharge opening through the action of atmospheric pressure, a removable disc covering the sealing member, and means for clamping the disc against the sealing member.

2,004,028
MANIFOLD WRITING DEVICE
Horace Drummond Black, Uxbridge, and Christopher Frederick Webb, Eastcote, England, assignors to Bell Punch Company Limited, London, England
Application October 2, 1934, Serial No. 746,553
In Great Britain October 11, 1933
10 Claims. (Cl. 282—16)



1. In a manifold writing device comprising a casing and feed mechanism for feeding a plurality of forms and ejecting at least one form therefrom and an opening in said casing presenting an exposed portion of at least one of said forms, the provision of means responsive to pressure imparted through the forms and operable upon such response to render the feed mechanism for ejecting the forms inoperable.

2,004,029
IMPREGNATION OF TEXTILE MATERIALS BY LATEX
Jean Etienne Charles Bongrand, Paris, and Léon Sylvain Max Lejeune, Wasquehal, France
Application October 28, 1932, Serial No. 640,128
In France July 19, 1932
9 Claims. (Cl. 91—68)

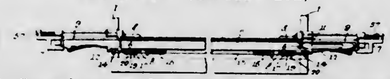


1. A process for facilitating the complete impregnation of textile material with rubber which comprises treating the said textile material wound in the form of bobbins with rubber latex and subsequently maintaining the textile material while still wet with the rubber latex in a humid atmosphere containing vapors of an anti-coagulating agent, the excess of latex being retained in contact with the said textile material by the slow rotation of said bobbins.

2,004,030
COLLOIDAL INORGANIC BONDING COMPOSITION
Willis A. Boughton, Cambridge, Mass., assignor to New England Mica Co., Waltham, Mass., a corporation of Massachusetts
No Drawing. Original application June 22, 1931, Serial No. 546,153. Divided and this application April 5, 1934, Serial No. 719,233
15 Claims. (Cl. 134—23.1)

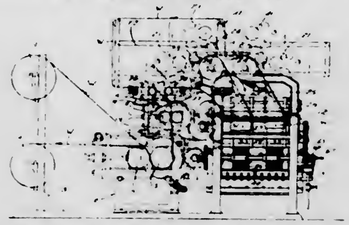
2. A bonding composition for discrete portions of solids, comprising a highly viscous colloidal inorganic substantially non-crystalline liquid adhesive mass, the bonding agent therein consisting of at least one compound selected from the group consisting of metaphosphoric acid radicle compounds, alkali metal monoborates, and beryllium sulphate, said composition containing from about thirty-five percent to about sixty percent of the said bonding agent, and controlled effective amounts of a blendable crystallization restraining agent, the balance of said composition being principally water colloidally associated with said bonding agent.

2,004,031
LOOM
Ellerslie Wallace Bullard, Anniston, Ala., assignor to Acme Weaving Mills, Inc., Anniston, Ala., a corporation of Alabama
Application June 26, 1933, Serial No. 677,712
5 Claims. (Cl. 139—171)



1. In a loom, a frame, a first shaft journaled in the side of the frame, a countershaft disposed parallel to the first shaft and journaled in the frame, cooperating interrupted gear wheels on the first shaft and on the countershaft, a vertically movable shuttle-box and means for mounting it on the frame, a raising and lowering rod for the shuttle-box, and mechanism for operating the rod, said mechanism comprising a lever fulcrumed on the frame, an eccentric on the first shaft and journaled in the lever, and a pitman connection between the lever and the rod.

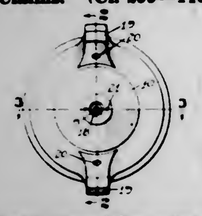
2,004,032
PAPER NAPKIN EMBOSSING, PRINTING, AND FOLDING MACHINE
John S. Burt, Highland Park, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application November 12, 1930, Serial No. 495,259
21 Claims. (Cl. 270—78)



1. In a folder, a rotating roll having pairs of circumferentially-spaced, longitudinally-extending gripping jaws normally in gripping relation to one another, a tucking blade associated with the roll and operating in timed relation thereto for tucking a web between the jaws to be held

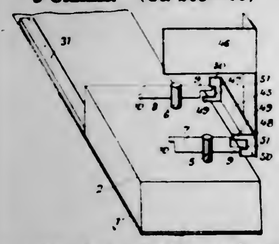
thereby during rotation of the roll, a longitudinally-extending cutting blade arranged between adjacent pairs of jaws and a stationary cutter blade associated with the roll for co-action with said cutter blade to sever the trailing portion of the web from that gripped in the jaws.

2,004,033
SPRAY HEAD
Gale H. Buzzard and Robert W. Tracy, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application January 16, 1932, Serial No. 586,984
11 Claims. (Cl. 299—140.1)



9. A spray head comprising means to discharge an air supported stream of coating liquid, means for discharging separate supplemental air jets acting on said stream to form the same, and means for discharging other supplemental air jets against opposite sides of the stream in a plane at right angles to the plane of said first jets to flatten the stream, said last mentioned supplemental air jets striking said stream after said first jets have acted upon the stream.

2,004,034
POISE DEVICE
Charles Cadiet, Paris, France, assignor to the firm Société Anonyme des Etablissements Charles Testut, Paris, France
Application June 8, 1934, Serial No. 729,709
In France June 2, 1933
5 Claims. (Cl. 265—70)



1. In a poise device having a beam and operated by electric circuits to bring the beam into its balanced position, means for opening and for closing said circuits comprising a release member operated by the unbalancing of the beam, cams for controlling said opening and closing means and means controlled by said release member for positioning said cams.

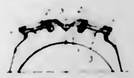
3. In a poise device having a beam and operated by electric circuits to bring the beam into its balanced position, two sets of contacts inserted in said circuits, means controlling said contacts comprising a shaft for each set of contacts, means for putting said shaft under rotative tension, a spindle, gearing connecting said shaft to said spindle for one way movement, cams fixedly mounted on each of said spindles, a vane mounted on each of said spindles to rotate therewith, and a cross-piece extending into the path of rotation of said vanes and movable with the beam to lock or to release said vanes.

2,004,035
CONVERTIBLE AND PORTABLE WARDROBE AND CLOTHES DRIER
Dorothy Beale Cleveland, Los Angeles, Calif.
Application July 24, 1933, Serial No. 681,949
2 Claims. (Cl. 312—5)



1. A collapsible, traveling wardrobe consisting of a clothes drier and a curtain, said clothes drier comprising two hinged frames and means for detachably holding the frames at right angles to each other whereby one frame may rest against and be supported on a wall and the other frame be held in horizontal position, said curtain comprising a single sheet having a centrally positioned flap at its top edge, and means for closing the two side edges to form a tube surrounding the horizontal frame of the clothes drier, said flap resting upon said horizontal frame and separable fasteners for securing together the sides of the flap and the sides of the curtains.

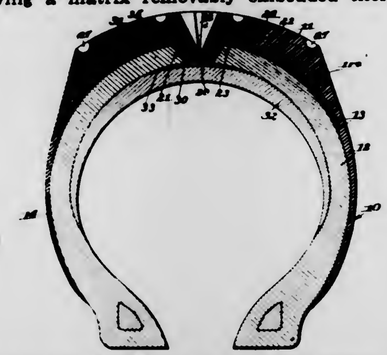
2,004,036
ANTISKIDDING TIRE
Ernst Coenning, Halensee, near Berlin, Germany
Application June 8, 1933, Serial No. 674,951
In Germany June 10, 1932
6 Claims. (Cl. 152—14)



1. Cover for wheel tires comprising spacedly disposed circumferential ribs on the tread surface thereof, and being provided with a plurality of outwardly flaring, projecting suction cups, said cups having a cavity in the form of a shallow, obtuse-angled cone, entering into the body of said ribs.

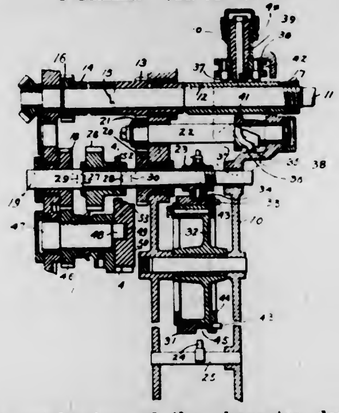
2,004,037
METHOD OF REPAIRING TIRE CASINGS
Walter H. Criswell, Seattle, Wash.
Application May 14, 1934, Serial No. 725,628
6 Claims. (Cl. 18—59)

5. The method of repairing tire casings which comprises removing a section of the casing embracing an injured portion to form a pocket having inclined walls and an intermediate horizontal wall, lining with a cushion gum the inner portion of the pocket to points outwardly of the pocket when the breaker strip is exposed in the pocket, applying a filler to the pocket, said filler having a matrix removably embedded therein,



vulcanizing the filler and removing the matrix to provide a cavity in said vulcanized filler.

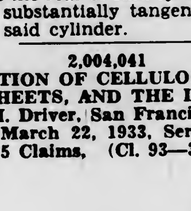
2,004,038
TIMING MECHANISM
Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.
Application August 26, 1930, Serial No. 477,881
3 Claims. (Cl. 74—323)



3. A mechanism of the character described comprising driving and driven members, a clutch having interlocking elements interposed between said members for clutching and declutching the same and means for aligning said members in clutching position when said members are declutched, the said means comprising jaw-engaging surfaces on one of said members, a block provided with jaws for engaging said surfaces, and means for reciprocating said block to cause said jaws to periodically engage said surfaces.

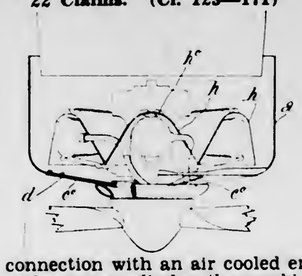
2,004,039
PILOT LIGHT
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application February 20, 1933, Serial No. 657,706
12 Claims. (Cl. 177—311)

1. Electric wiring apparatus including in combination, a face plate having an opening therein, a mounting strap behind said plate and supporting it, means supporting said strap across the front of an outlet box, an opening in said strap in register with the plate opening, a pilot lamp receptacle including an insulating body and a threaded metal thimble, said thimble fitting through both said openings and having a flange



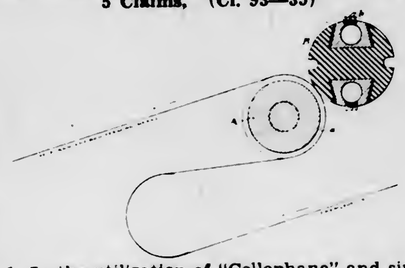
in back of the strap and engaging on the body, means securing the strap and body together to support the body, lamp contacts in said body, a lamp engaging said contacts and projecting beyond the front of said plate, and a lamp hood screwed over said thimble.

2,004,040
AIR COOLING SYSTEM FOR MOTORS
Jean Georges Dintilhac, Paris, France, assignor to Society "Yacco S. A. F.", Paris, France
Application January 5, 1933, Serial No. 650,357
In Belgium January 27, 1932
22 Claims. (Cl. 123—171)



5. In connection with an air cooled engine including at least one cylinder, the combination of a screen positioned in front of said cylinder to prevent cold air from impinging on at least the lower portion of the surface of the front part of the cylinder normally to said surface, said screen including means to deflect air flowing toward said cylinder into the spaces on either side of said cylinder, and deflecting walls extending on either side of and at the rear of said cylinder for directing said air substantially tangentially onto the rear part of said cylinder.

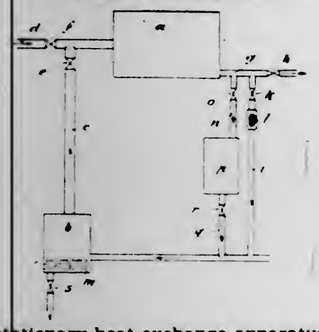
2,004,041
UTILIZATION OF CELLULOSIC FILMS, SHEETS, AND THE LIKE
John M. Driver, San Francisco, Calif.
Application March 22, 1933, Serial No. 662,178
5 Claims. (Cl. 93—35)



1. In the utilization of "Cellophane" and similar transparent cellulosic bodies in the manu-

facture of bags and similar containers, forming such material into tubing, and severing such tubing into bag blanks of predetermined length through the instrumentality of heat.

2,004,042
PROCESS OF CLEANING HEATING SURFACES
Otto Eberhardt, Karlsbad, Czechoslovakia, assignor to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle/Saale, Germany
Application October 6, 1931, Serial No. 567,324
In Germany November 11, 1929
1 Claim. (Cl. 87—5)



In stationary heat exchange apparatus the interior surfaces of which are normally subjected to a flow of heating steam containing oils passing therethrough, the process of removing the crust or scale formed by said heating steam on said surfaces comprising the steps of discontinuing the flow of oily steam through the apparatus, continuously heating a body of liquid organic dissolving medium for hydrocarbon crusts to drive off vapors therefrom, continuously circulating said vapors through the normal passage of flow of said heating steam in contact with the interior surfaces of said heat exchange apparatus, thereby condensing said vapors on said surfaces, continuously withdrawing from the apparatus the condensed dissolving medium together with the crust particles contained therein, continuously returning said contaminated dissolving medium to said liquid body of heated dissolving medium, revaporising said dissolving medium, continuing the flow of said dissolving medium through said apparatus until the condensed dissolving medium withdrawn from said apparatus contains no noticeable contamination, then withdrawing said clean condensed dissolving medium from said apparatus and collecting the same in a body distinct from said heated body until substantially all of the vaporized dissolving medium has been condensed in said apparatus and accumulated in said collecting body.

2,004,043
PRODUCING PATTERNS ON DARK COLORED SKINS OR LEATHERS
Hans Engels, Offenbach-on-the-Main, Germany, assignor to firm Oswald Eigner, Offenbach-on-the-Main, Germany
No Drawing. Application July 16, 1931, Serial No. 551,287. In Germany July 19, 1930
3 Claims. (Cl. 8—5)

1. The process for the production of markings on naturally dark and inexpensive colored skins and leathers consisting in applying to the skin steeped, limed, soaked and pickled in the usual manner a bleaching agent in the condition of a pulp, to localized areas, in an amount determined by the thickness and other conditions of the pigment, allowing said bleaching agent to act on the skins and leathers at the said localized areas, removing the bleaching agent from the said areas by rinsing, so as to produce the marking and superficial appearance of relatively expensive skins and leathers.

2,004,044
BRUSH AND COMB COMBINATION FOR PACKETS
Stella Meyers Fiegel, Marshall, Tex.
Application November 1, 1934, Serial No. 751,037
2 Claims. (Cl. 132—86)



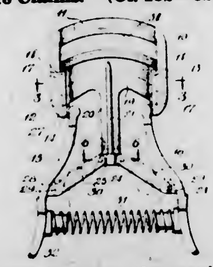
1. A brush arranged in pivoted relationship to a comb in such a manner that it may be easily removed from a packet cover, the brush comprising a bar member provided with bristles, the bar member being bent into the form of a U, thereby providing a slot for receiving the comb in folded relationship therein.

2,004,045
SLIVER ROLL FORMING MACHINE
Gordon Fraser, Norman Fraser, and John Fraser, Arbroath, Angus, Scotland
Application December 21, 1933, Serial No. 703,474
In Great Britain December 28, 1932
8 Claims. (Cl. 19—158)



1. A sliver roll-forming machine comprising a pair of spaced relatively fixed cheek plates mounted for joint pivotal movement on a horizontal axis, shoes carried by one of said cheek plates, pads of friction material attached to said shoes, a yoke interconnecting said shoes, a frictional pressure roller positioned between said cheek plates, a coaxial pair of arbor sections carried one by each cheek plate and retractable endwise to permit ejection of a completed roll from between said cheek plates, a fixed segment concentric with said axis, said segment member presenting opposed arcuate faces, and a lever pivotally connected to said yoke and manually operable to force said pads into frictional engagement with said segment.

2,004,046
EYELASH CURLER
Jacob L. Glaser and Samuel Segal, Brooklyn, N. Y.; said Segal assignor of one-fourth to C. M. Palmer, New York, N. Y.
Application February 4, 1933, Serial No. 655,264
18 Claims. (Cl. 132—32)



1. In an eyelash curler, the combination of, a frame having depending slotted sides, a clamping plate carrying a resilient striated element, said plate being interposed between said sides and having integral marginal portions thereof guided in the slots of said sides, a member extending from said plate and below said sides, arms pivoted to the latter, links pivoted to the member and arms, and means operative to hold said element away from a complementary clamping portion of said frame.

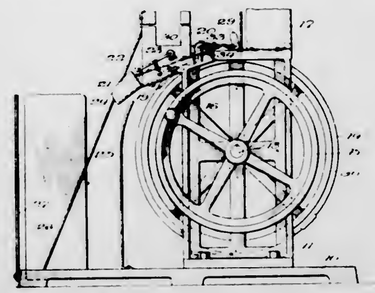
2,004,047
HARVESTING OF PEAT OR PEAT FORMING MATERIALS MORE ESPECIALLY IN CONNECTION WITH THE PRODUCTION OF PEAT POWDER
Thomas Gram, London, England, assignor to Techno-Chemical Laboratories, Limited, London, England
Application November 13, 1933, Serial No. 697,876
In Great Britain November 19, 1932
14 Claims. (Cl. 44—27)



1. In the large scale production of partly air-dried peat, loosening material from the surface of an extensive peat deposit and disintegrating it for air drying by operation upon predetermined elongated bays thereof, served by transport lines running between groups of such bays, concentrating the loosened and air dried material of each bay along the interior thereof, moving the concentrated material in turn out of one bay into another in the direction of one of such lines by substantially only lateral displacement and depositing the material in a similar concentrated form along such other bay.

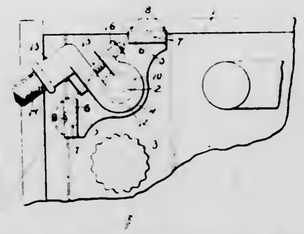
2,004,048
ENVELOPE-FILLING MACHINE
France E. Guedry, deceased, late of Fort Worth, Tex., by Edith Alderman Guedry, administratrix, Fort Worth, Tex., assignor to Edith Alderman Guedry, Fort Worth, Tex.
Application November 7, 1933, Serial No. 697,044
10 Claims. (Cl. 93—6)

1. An envelope-filling machine comprising a drum adapted to rotate about its axis, means for imparting a rotary motion to said drum, a magazine for pieces of printed matter to be inserted in envelopes, a magazine for envelopes, said magazine for envelopes having its muzzle so arranged with respect to said drum as to dispose the foremost envelope in a plane substantially tangent to the peripheral surface of said drum and open



toward said drum surface with one edge of said envelope engaging against said surface, and means upon the periphery of said drum for cyclically engaging a piece of printed matter, carrying said piece of printed matter tangentially with respect to said drum surface and inserting said piece of printed matter in said envelope.

2,004,049
MEANS FOR CONNECTING CABLES TO BATTERIES
Charles E. Hoover, Lancaster, Pa.
Application June 8, 1933, Serial No. 674,955
4 Claims. (Cl. 173—259)



1. A battery terminal connector comprising a base having an opening to fit over a battery-post and be secured thereto, a pair of lugs carried by and upstanding from the base and located at right angles to one another, said lugs having bolt holes, said lugs being spaced from said opening a distance sufficient to permit the placing of a clamp cable terminal over the base for register with the opening without contacting the lugs.

2,004,050
HYPODERMIC NEEDLE PACKAGE
Paul Clifford Kerk, Exton, Pa., assignor to J. Bishop & Company Platinum Works, Malvern, Pa., a corporation of Pennsylvania
Application July 26, 1934, Serial No. 736,973
4 Claims. (Cl. 206—43)

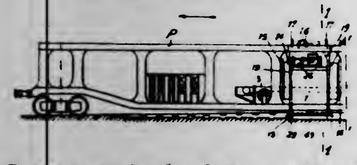
1. A hypodermic needle package comprising a pair of tubes each having its outer end closed, and a stopper engaging both of said tubes and

connecting adjacent ends thereof, said stopper having a relatively thin membrane confronting



the bore of each tube, which membrane is readily pierceable by an end of the needle.

2,004,051
APPARATUS FOR CONTINUOUSLY CLEANING RAILWAY BALLAST
Maurice Henri Lemaire, Paris, France
Application August 5, 1933, Serial No. 683,845
In France August 11, 1932
5 Claims. (Cl. 37—104)
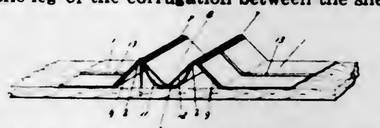


1. In an apparatus for cleaning railway ballast consisting of a beam moving along the track, track elevators carried by the said beam, endless excavators including chains and buckets surrounding the beam and the rails, improvements for increasing the output comprising track supports proper for guiding the excavator chains, implements integral with excavator buckets laterally thereof, a shield at the outlet of the excavation, the buckets each having an inclined bottom for deflecting during its discharge the ballast contained in the next bucket.

2,004,052
SHEET METAL ROOFING AND SIMILAR CONSTRUCTION
Howard J. Little, Fort Thomas, Ky., assignor to The Globe Iron Roofing & Corrugating Company, a corporation of Delaware
Application May 12, 1934, Serial No. 725,361
32 Claims. (Cl. 108—18)

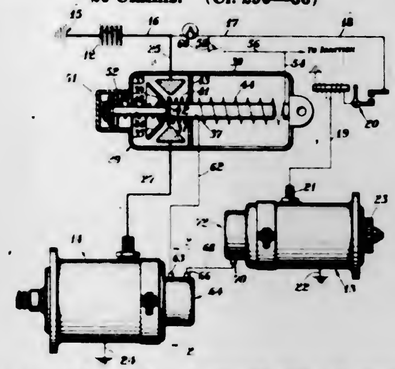
1. In a construction a pair of members one overlapping the other, each of said members provided with a plurality of parallel corrugations, the extreme sides of the corrugations on one member arranged so as to register with the extreme sides of the corrugations of the other member when the corrugations are overlapped, the adjacent sides of the valley between corrugations on the two members being non registering and the valley between corrugations of the overlapping member contacting with the bottom of the valley of the under member, all so arranged as to provide a plurality of enclosed passageways between the two members.

29. In a roofing sheet a body portion, a corrugated portion, a beading arranged transversely to the corrugated portion, extending entirely across the body portion and into the leg of the corrugation to provide an air space across the sheet and into the leg of the corrugation between the sheet



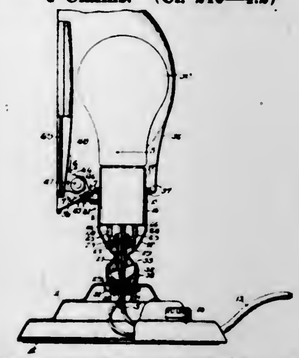
and the portion of the construction which it overlaps, thereby forming means for interrupting the forces of capillary attraction.

2,004,053
AUTOMATIC STARTING MECHANISM
Leslie K. Loehr and Wayne E. Burdick, Los Angeles, Calif., assignors to The Startomatic Corporation, Los Angeles, Calif., a corporation of Nevada
Application January 23, 1931, Serial No. 510,632
20 Claims. (Cl. 290—36)



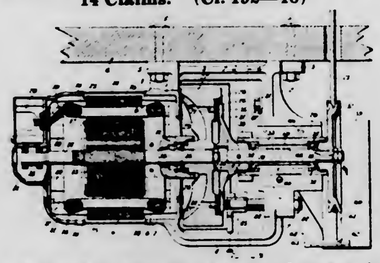
1. Automatic starting mechanism for internal combustion engines including a starting motor, a switch for controlling said motor, operating means for said switch, and manual means and mechanical means for jointly controlling said operating means, said mechanical means being responsive to the rotational speed of the starting motor.

2,004,054
ILLUMINATED MIRROR
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application July 9, 1934, Serial No. 734,275
6 Claims. (Cl. 240—4.2)



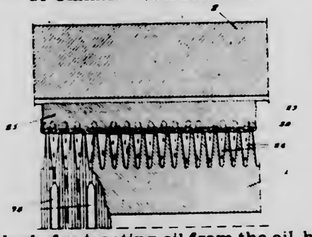
1. A lamp structure comprising a base, a bifurcated supporting member attached to and projecting upwardly from said base, a pivot member having a flat sided circular portion adapted to be disposed between the bifurcations of said supporting member and having an upwardly projecting threaded extension, a sleeve threaded on said supporting member for retaining the pivot member in position, yieldable means for retaining the pivot member in adjusted position, a housing carried by the pivot member, a lamp socket within the housing, and means connected to said socket and constructed to cooperate with said threaded extension for securing the housing to said pivot member.

2,004,055
UNITARY ELECTRIC MOTOR AND POWER TRANSMITTER
Wilbur J. Peets and Irving F. Webb, Elizabeth, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 14, 1933, Serial No. 702,288
14 Claims. (Cl. 192—18)



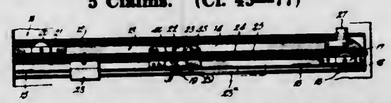
1. A unitary electric motor and power transmitter having a pair of cup-shaped motor end-bonnets, a motor shaft and a manually controlled stub-shaft, pulley, and bearing sleeve assembly in end-to-end coaxial relation and having friction clutch elements mounted on their adjacent ends, characterized by this, that one of the cup-shaped motor end-bonnets in which the motor shaft is journaled is constituted by one side member of a vertically rectangular main supporting frame casting having means at its upper end for attachment to the under side of a sewing machine table, the other side member of which frame casting carries the stub-shaft, pulley, and bearing sleeve assembly.

2,004,056
METHOD AND MACHINE FOR EXTRACTING OIL FROM THE PEELS OF CITRUS FRUIT
Wilbur A. Pipkin, Safety Harbor, Fla.
Application March 6, 1933, Serial No. 659,713
10 Claims. (Cl. 100—47)



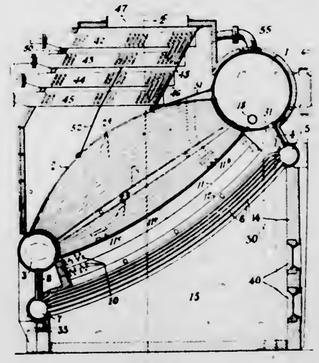
1. Method of extracting oil from the oil-bearing cells in citrus fruit peel, which comprises supporting the oil-bearing surface of the peel at a plurality of spaced areas so positioned as to support the surface sufficiently to permit substantially all the cells to be broken when pressure is applied to the peel while leaving the oil-bearing cells substantially unobstructed, applying pressure to the other surface of the peel while maintaining at least that portion of the peel to which pressure is being applied in a substantially unbroken state, thereby expressing oil from the peel, immediately removing the oil out of contact with the peel, and maintaining it out of such contact during the remainder of the expressing operation.

2,004,057
FILING DRAWER
Fred A. Schmits, Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application March 24, 1934, Serial No. 717,205
5 Claims. (Cl. 45—77)



3. In combination with a drawer and its casing including channel guide rails, a carriage having wheels mounting it on and between said guide rails, intermediate rollers in said carriage, said drawer mounted for rolling movement on said intermediate rollers and certain of the wheels of said carriage, said rollers having axially arranged retainers mounted in the carriage and anti-friction elements between said rollers and retainers for maintaining said rollers in definite relation to the carriage without interfering with free rotative movement thereof.

2,004,058
BOILER
Thomas B. Stillman, South Orange, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application August 19, 1932, Serial No. 629,463
7 Claims. (Cl. 122—265)



1. A water tube boiler comprising a combustion chamber, a horizontal steam and water drum of large diameter, a horizontal water drum spaced therefrom, an inclined bank of curved steam generating tubes connecting said drums, said tubes being curved in two directions, a second inclined bank of curved steam generating tubes in front of and spaced from said first bank, horizontal water drums connected to opposite ends of said second bank, a superheater posi-

tioned in the space between said tube banks, nipples connecting the drums at corresponding ends of said banks, and an economizer including return bend tubes extending transversely of and above said first bank, the tubes of said superheater being of less diameter and more closely spaced than the tubes of said second bank, and the tubes of said first bank being of less diameter and more closely spaced than the tubes of said superheater.

2,004,059

METHOD AND MATERIAL FOR REPAIRING SHOES

Roland R. Bollman, Mount Washington, and Conrad L. Ornes, Cincinnati, Ohio, assignors to The Perfect Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Original application September 29, 1931, Serial No. 565,922. Divided and this application January 10, 1933, Serial No. 651,062

1 Claim. (Cl. 134—17)

A liquid adhesive adapted to vulcanize and firmly and durably secure a plastic rubber composition containing sulfur to a leather-like surface, said adhesive, comprising, 6 pounds crepe rubber, 2.5 pounds rosin, and 1.5 pounds zinc dimethyl dithio carbamate, said components fluidified in 15 gallons of benzol.

2,004,060

RESIDENCE ELEVATOR

Alfred T. Brown, Cincinnati, Ohio, assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio, a corporation of Ohio

Application May 24, 1934, Serial No. 727,319

5 Claims. (Cl. 187—24)



1. In an elevator, a cab, an elevating screw for propelling the cab connected to the lower side of the platform of the cab, a revolving self-aligning ball bearing journalled nut for raising and lowering said screw and cab, and transmission means for revolving said nut in reverse directions.

2,004,061

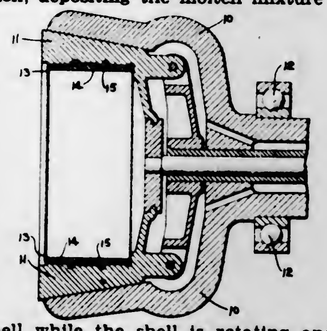
COMPOSITE BRAKE DRUM

Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich., a corporation of Michigan

Application November 13, 1933, Serial No. 697,817

4 Claims. (Cl. 22—203)

1. The method of producing a brake drum which consists in providing a shell, melting a quantity of cast iron in a cupola, transferring it to an electric furnace and then introducing between 3% and 10% of copper thereto, rotating the shell, depositing the molten mixture within



the shell while the shell is rotating and then cooling the mixture.

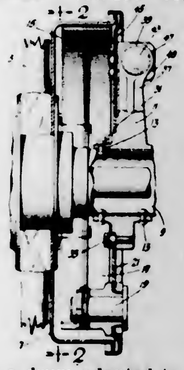
2,004,062

BRAKE

Theron P. Chase, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 23, 1933, Serial No. 703,759

3 Claims. (Cl. 188—78)



1. In a brake, a drum adapted to rotate, a coaxial cover plate for said drum, brake means carried by said cover plate and movable relatively thereto to frictionally engage and check rotation of said drum, a fixed bracket to receive the torque resulting from brake application, means to mount said cover plate for limited rotary movement relative to said bracket, and cushioning means to transmit torque from said cover plate to said bracket, together with a wheel carrying said drum, an axle member carrying said bracket, said bracket having a radial arm with a head, plates carried by said cover plate on each side of said head, and said cushioning means comprising a cushioning member between each plate and the adjacent side of said head.

2,004,063

OSCILLATABLE PIVOTALLY MOUNTED AXLE

Joseph Ganz, Frankfort-on-the-Main, Germany

Application May 2, 1933, Serial No. 668,965

In Germany May 7, 1932

5 Claims. (Cl. 180—73)

1. An oscillatable pivotally mounted axle for motor vehicles, comprising in combination an axle casing, two half axles extending one from each side of said casing, wheels one on the outer end of each of said axles, transverse elements attached intermediate their length to the top and bottom of said casing, carrying members interconnecting the outer ends of said transverse elements forming with said transverse elements re-



silient link parallelograms, and supporting bearings on said half axles one adjacent each of said wheels, and pivot pins one connecting each of said supporting bearings to an intermediate point of one of said carrying members and extending parallel to the longitudinal axis of the vehicle, said bearings being thus resiliently guided by said link parallelograms.

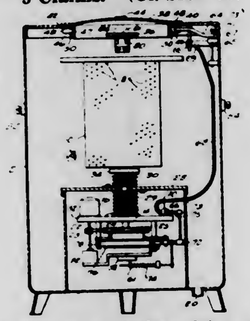
2,004,064

CLOTHES SPINNER

Richard H. Jordan and Paul E. Hochstetter, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 21, 1934, Serial No. 712,350

5 Claims. (Cl. 210—72)



1. In a spin-type clothes drier comprising a container, driving means for rotating said container, and an outer casing having a circular opening through which access to the container may be gained, the combination of a removable circular cover for said opening, means whereby a turning of the cover, when in place over the opening, in one direction will effect a latching thereof and a turning in the reverse direction will effect a release thereof, and means actuated by said cover turning movements for making effective said driving means only when the cover is turned to the latched position.

2,004,065

ELECTROLYTIC TREATMENT OF LIQUIDS

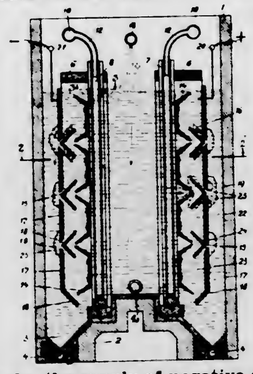
Karl Kaisser, Munich, Germany

Application March 22, 1933, Serial No. 662,122

In Germany March 27, 1931

14 Claims. (Cl. 204—25)

1. An electrolytic cell for the treatment of liquids, having electrodes for the supply of positive and negative electric current for decomposing the liquid and creating a flow of ions, and partitions within said cell adapted to separate the electrodes for the positive current from the



electrodes for the supply of negative current, said partitions being built of material which is impenetrable for the ions and having openings permitting a travel of said ions therethrough, said openings being adjustable as to size.

2,004,066

TERTIARY BUTYL ACETIC ACID

Frank C. Whitmore, State College, Pa., August H. Homeyer, St. Louis, Mo., and Walter R. Trent, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application April 17, 1933, Serial No. 666,511

2 Claims. (Cl. 260—112)

1. Tertiary butyl acetic acid having approximately the following properties:

Boiling point	183° C. at 739 mm.
Freezing point	6.3 to 7.0° C.
Index of refraction, n_D^{20}	1.4096
Density—	
d_{20}^{20}	0.9140
d_4^{20}	0.9124

2,004,067

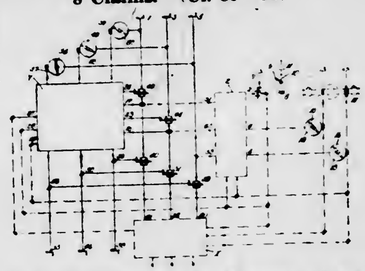
ANTIAIRCRAFT GUNFIRE CONTROL APPARATUS

John Percival Watson, Westminister, London, England, assignor to Vickers-Armstrongs Limited, London, England, a British company

Application February 14, 1934, Serial No. 711,172

In Great Britain January 3, 1933

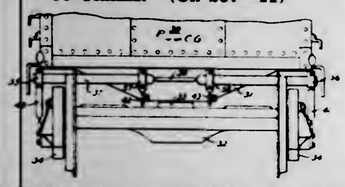
8 Claims. (Cl. 89—41)



1. In an anti-aircraft gun fire control apparatus for predicting a future position of a target

wherein means movable for an assumed course are utilized to represent vectors in accordance with (1) the linear rate of approach or recession of the target in the direction of the plane of the line of sight, this vector being termed V_1, (2) the linear rate of movement of the target at right angles to the aforesaid direction, this vector being termed V_2, and (3) a linear height rate, this vector being termed V_3, comprising means for deriving range, training and elevation from the means representing said assumed course vectors, means for indicating observed range, training and elevation, means for deriving therefrom values of rates of change of target velocities in the directions of vectors V_1, V_2 and V_3, and adjustable means for adjusting said assumed course vector means until the range, training and elevation derived therefrom correspond to the observed range, training and elevation.

2,004,068
STABILIZER FOR VEHICLES
George V. Woodling, Cleveland, Ohio
Application January 7, 1933, Serial No. 650,628
50 Claims. (Cl. 267—11)



1. A stabilizer for a vehicle having a sprung and an unsprung mass comprising, in combination, resilient connective means carried by both the sprung and the unsprung masses, and a stabilizing member interconnecting the said connective means for resisting the relative "rolling" movements of the sprung and the unsprung masses of the vehicle.

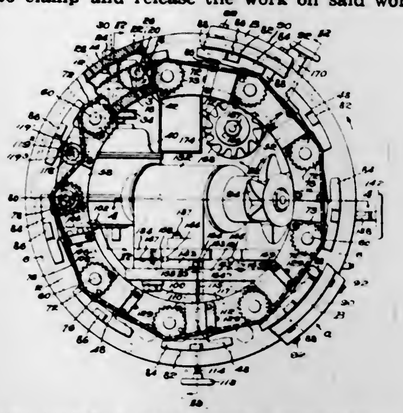
2,004,069
PROCESS FOR PREPARING ALKYLATED AROMATIC KETONES AND PRODUCT
Herman A. Bruson, Germantown, and Otto Stein, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 14, 1931, Serial No. 537,496
23 Claims. (Cl. 260—131)

1. The process for preparing mixed amylacetophenones which consists in condensing reacting proportions of dry benzene, mixed amyl monochlorides from the chlorination of natural gas pentanes, and acetic anhydride, with anhydrous aluminum chloride; and thereafter hydrolyzing the reaction product.

2,004,070
HEEL BREASTING MACHINE
Nicholas L. Gulliford, deceased, late of Peabody, Mass., by Archibald T. Gulliford, administrator, Lynn, Mass., assignor to Gulliford Wood Heel Company, a firm composed of Archibald T. Gulliford and Pearce H. Gulliford, both of Lynn, Mass.
Application May 25, 1931, Serial No. 539,884
21 Claims. (Cl. 12—47.1)

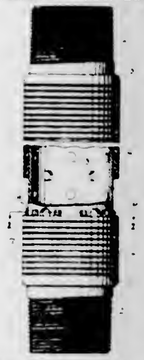
1. A machine for shaping heel breasts comprising a heel blank holder, a rotating cutter head, and means to rock said cutter head about a selected point in the heel breast to vary the inclination of the heel breast.

11. A machine of the class described comprising a revolving work carrier, cutter means, means relatively to move said work carrier and cutter means to shape the work, and means automatically to clamp and release the work on said work



carrier including a star wheel mechanism operated during the rotation of said work carrier.

2,004,071
STRAINER
Otto Hannesschlager, Houston, Tex.
Application November 18, 1933, Serial No. 698,679
6 Claims. (Cl. 166—5)



1. A well screen comprising a section of perforated pipe, continuous rings of metal of equal length and of larger internal diameter than the outer diameter of said pipe arranged adjacent each other upon the pipe and separate spacers between said rings and said pipe to space said rings uniformly from the pipe and also acting to space said rings uniformly from each other along the pipe.

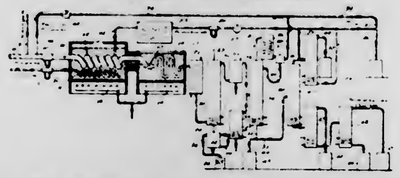
2,004,072
CHLORINATION PROCESS AND PRODUCT THEREOF
Henry B. Hass and Earl T. McBee, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application February 1, 1932, Serial No. 590,046
35 Claims. (Cl. 260—162)

1. The process of chlorinating compounds of the class consisting of hydrocarbons of the paraffin, naphthene, and aromatic series and their partially chlorinated derivatives, which consists in separately preheating chlorine and the material to be chlorinated to a predetermined reaction temperature materially above the boiling point of the hydrocarbon, and then mixing the heated material to be chlorinated with the heated chlorine, at a velocity in excess of that of flame propagation under the conditions existing, to effect the chlorination.

15. A new composition of matter, consisting essentially of 1,3 - dichloro - 2 - methylpropane which at atmospheric pressure boils at about 136.4° C. and at 10 mm. pressure boils at about 21 to 25° C.

34. A new composition of matter, consisting of a mixture of 1,3-dichloro-2-methylpropane which at atmospheric pressure boils at about 136.4° C. and at 10 mm. pressure boils at about 21 to 25° C.; and other chlorides of isobutane.

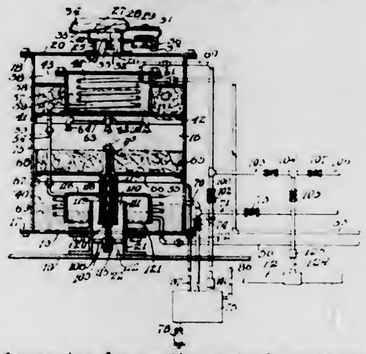
2,004,073
PROCESS OF CHLORINATING PROPANE AND ITS PARTIALLY CHLORINATED DERIVATIVES
Henry B. Hass and Earl T. McBee, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
Application May 1, 1934, Serial No. 723,366
22 Claims. (Cl. 260—166)



1. The process of producing trimethylene chloride, which consists in subjecting a gas of the class consisting of propane and 1-chloropropane to a chlorination reaction with gaseous chlorine to yield trimethylene chloride and other chlorides of propane, and separating the trimethylene chloride from other chlorides.

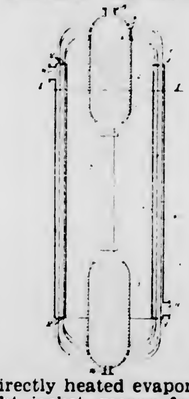
11. The process of chlorinating propane, which consists in separately preheating propane and chlorine to a temperature above 250° C., and mixing them in that heated condition to cause them to react, and then promptly cooling the products of the reaction.

2,004,074
APPARATUS FOR AND METHOD OF RECOVERING VAPORS VENTED FROM STORAGE TANKS
Le Roy D. Kiley, Larchmont, N. Y.
Application August 21, 1933, Serial No. 686,179
19 Claims. (Cl. 220—85)



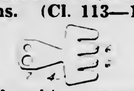
1. Apparatus for venting a tank containing a volatile liquid, comprising a receptacle for connection to said tank for vapor flow communication therewith, means disposed within said receptacle and in the vapor flow passage therethrough for exposing a refrigerated liquid to said vapor flow, and means providing a vent for non-condensable gases to the atmosphere from said receptacle.

2,004,075
EVAPORATOR, ESPECIALLY FOR HIGH PRESSURE STEAM
Ernst Koenemann and Karl Gensch, Berlin, Germany, assignors to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany, a corporation of Germany
Application January 4, 1932, Serial No. 584,736
In Germany January 6, 1931
9 Claims. (Cl. 122—32)



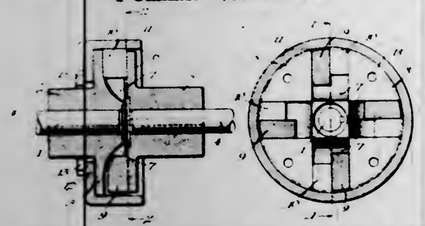
1. An indirectly heated evaporator comprising a liquid tight jacket, means for supplying and withdrawing heating fluid from said jacket, a multiplicity of water tubes arranged in a plurality of continuous rows extending within said jacket and through a wall thereof, a collector spaced from said jacket and into which said water tubes lead, said water-tubes having their multiplicity of points of passage through said jacket wall disposed so as to render all said points of passage through said jacket wall readily accessible from practically all directions.

2,004,076
METHOD OF MAKING CONTACT DEVICES FOR RADIO SOCKETS AND THE LIKE
Carl L. Knutson, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Original application December 21, 1932, Serial No. 648,265. Divided and this application May 25, 1933, Serial No. 672,832
3 Claims. (Cl. 113—119)



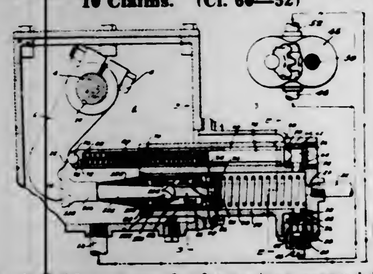
1. The method of making a contact for a radio socket and the like which comprises forming a flat blank with a portion having a series of petals, at one end, bending said petal-presenting portion to form a tubular yieldable contact-receiving portion and then flaring outwardly a portion of the tubular portion to form a base flange at one end of said portion, the base flange extending at right angles to the axis of the yieldable contact-receiving portion.

2,004,077
COUPLING
William J. McCartney and Spencer T. Bachus, Birmingham, Ala.
Application July 16, 1934, Serial No. 735,529
4 Claims. (Cl. 64—96)



1. In a coupling of the class described, a driving element and a driven element, one of said elements comprising a relatively thick disc having a plurality of radially disposed slots therein, the slots having bottom surfaces which extend inwardly from the outer periphery of the disc and incline upwardly toward and reinforce the central portion of the disc; the other of said elements comprising a disc of approximately the same diameter as the first mentioned disc and having lugs on the face thereof corresponding in number to and engaging the slots in the first mentioned disc, the lugs being of less width than the slots and being of less depth at their inner than at their outer ends so as to conform to the shape of the slots; and resilient means positioned in each slot between a side of the lug and the opposing wall of the slot.

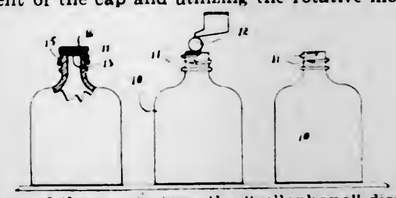
2,004,078
HYDRAULIC BRAKE MECHANISM
George F. McDougall, Portland, Oreg., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 1, 1933, Serial No. 678,627
10 Claims. (Cl. 60—52)



1. A fluid pressure brake system comprising a compression cylinder having a port, a continuously loaded valve controlling the port, means for supplying fluid under pressure to said cylinder, a piston reciprocable in the cylinder, and a member operatable to simultaneously advance the piston and to increase the load on the valve.

2,004,079
METHOD OF FORMING SEALED CONTAINERS
Charles E. McManus, New York, N. Y., assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application May 14, 1930, Serial No. 452,159
1 Claim. (Cl. 226—80)

The improved method of forming a sealed container for oil-like materials which consists in applying to the top of the container around the mouth thereof an adhesive adapted to set without the application of heat and immune to deterioration from the action of oil, positioning a disc of thin material of "cellophane" type arranged within a cap adapted to be applied by rotative movement on the adhesively coated top of the container, the cap having therein above the disc a cushion liner engaging the said disc but freely separable from the disc, compressing the cushion liner on the said disc by rotating movement of the cap and utilizing the rotative movement of the cap to turn the "cellophane" disc to distribute the adhesive uniformly over the top of the container and the expansive action of the cushion liner to retain the disc in position, and permitting the adhesive to set and maintaining the separability of the disc and liner during the compression of the disc whereby to provide a disc sealed container which is substantially permanently sealed after removal of the cap until rupture of the disc.

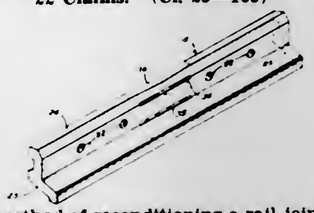


2,004,080
TEXTILE HEMSTITCHING MACHINE
Edward B. Roby, New York, N. Y., assignor to The S and R Folding Machine Co., Inc., New York, N. Y., a corporation of New York
Application June 20, 1932, Serial No. 618,292
7 Claims. (Cl. 112—2)



1. A machine as characterized embodying a stitching mechanism, elongated guiding means for delivery of fabric to said stitching mechanism which will triple fold said fabric upon itself adjacent the edge thereof, and conveying means for supporting said fabric through said guiding means to relieve said fabric from any pulling strains, said means embodying a relatively narrow tape turned upon itself to enfold the fabric within and during the passage through said guiding means to relieve said fabric of any pulling strains.

2,004,081
METHOD OF AND MEANS FOR REPAIRING RAIL JOINTS
Leo C. Ryan, Chicago, Ill., assignor to The Oxweld Railroad Service Company, a corporation of Delaware
Application September 15, 1932, Serial No. 633,241
22 Claims. (Cl. 29—169)



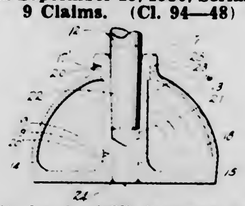
1. A method of reconditioning a rail joint comprising opposed rail ends and a joint bar connecting the same and having at least one longitudinal slot intermediate its ends, such method including spreading the slot of said bar by the action of wedging surfaces, at least one of the said surfaces having portions laterally tapered, so as to expand a portion thereof laterally to conform at least one fishing surface of the bar to the cooperating fishing surfaces of the rail ends.

2,004,082
HOSE COUPLING
Rudolph Scherf, Detroit, Mich.
Application March 16, 1934, Serial No. 715,856
4 Claims. (Cl. 284—17)



1. For coupling a hose end to a valve nipple having a valve therein provided with an exposed stem, a hose coupling including a gasket fixedly seated on and partially closing said end and provided with a central aperture, an insert fixed within said hose end and having a valve stem depressor portion projecting upwardly through said gasket aperture, and provided with a solid head and side openings above the base of the gasket which communicate the interior of the hose with the space above the gasket, a member encircling the hose and having integrally formed, upwardly extending, elongated resilient arms formed at their free ends with clamping jaws adapted to embrace the valve nipple between them when urged towards each other, and formed to have a tendency to separate to an extent sufficient to permit the jaws readily to receive a valve nipple, between them, and a non-circular clamping ring disposed outside of the jaws and journalled on the arms and manually rotatable to urge the jaws towards each other to clamp a valve nipple between them or to permit the jaws to separate.

2,004,083
TOOL ATTACHMENT
Arthur Scott, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application September 15, 1930, Serial No. 481,875
9 Claims. (Cl. 94—48)



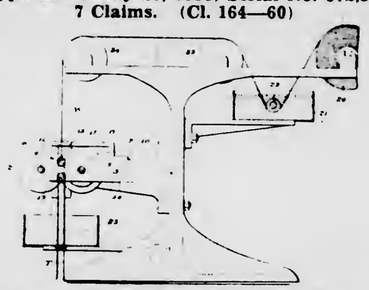
1. A butt for backfill tampers comprising a body portion formed with a striking face, a frustospheroidal hood extending upwardly from said striking face, and a stem extending from the upper portion of said hood to said striking face formed with a piston rod receiving-tapered socket.

2,004,084
PROCESS OF MAKING OLEFINE DERIVATIVES
Walton B. Scott, Lloyd S. Bovier, and Ernest D. Matthews, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application April 18, 1932, Serial No. 606,070
15 Claims. (Cl. 260—156)

1. The process of producing an alcohol comprising bringing the corresponding olefine in contact with an acid reactive therewith, and absorbing said olefine in said acid in excess of 50% of the amount required to completely replace all of the replaceable hydrogen of the acid employed, and then hydrolyzing said acid by progressively entering it into a predetermined quantity of water, accumulating said acid in said water with progressively increasing concentration and distilling off the resulting alcohol immediately upon its formation so as to avoid an accumulation of alcohol in the hydrolyzing liquid.

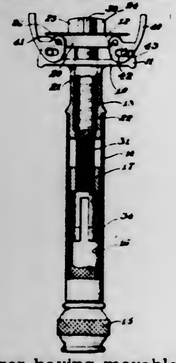
3. The process of forming ethanol comprising absorbing ethylene in sulfuric acid to produce an ethylated sulfuric acid in concentrated form containing diethyl sulfate, adding said ethylated acid progressively to water and simultaneously heating the mixture to distill over the ethanol as it is formed by the hydrolysis while accumulating sulfuric acid in said water with progressively increasing concentration.

2,004,085
MANUFACTURE OF RUBBER THREADS
Kenneth R. Shaw, Easthampton, Mass., assignor to Easthampton Rubber Thread Co., Easthampton, Mass., a corporation of Massachusetts
Application May 25, 1933, Serial No. 672,858
7 Claims. (Cl. 164—60)



1. In a machine for cutting a web of rubber to produce rubber threads, two sets of cutting disks, two parallel shafts on which said sets of disks, respectively, are supported with the individual disks of one set in overlapping relationship to and interleaved between those of the other set, the opposite sides of each disk of one set being in contact with the sides of two disks of the other set, mechanism for revolving said shafts to rotate the two sets of disks in opposite directions, means bearing against the overlapping portions of said disks to press said portions laterally together and thereby to hold the edges of said disks in shearing relationship to each other, means for guiding a web of sheet rubber between said disks to cause them to cut said web longitudinally into threads, and a reed having members projecting between adjacent disks of the two sets to strip the threads from the disks.

2,004,086
SAFETY RAZOR AND BLADE
Nicholas Testi, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 14, 1934, Serial No. 735,180
16 Claims. (Cl. 30—12)



3. A safety razor having movable cap sections for flexing and clamping a blade in shaving position, and an operating train of mechanism for forcibly closing said sections including the blade as an element thereof.

2,004,087
SAFETY RAZOR
Nicholas Testi, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 27, 1934, Serial No. 737,264
3 Claims. (Cl. 30—12)

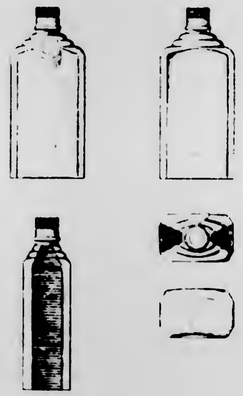


1. A safety razor comprising a sharp blade, clamping members for positioning the blade and having regularly spaced portions extending beyond the blade edges and designed to tension the skin outwardly in advance of the blade edge, and a plurality of more widely spaced guarding elements setting off separate sections in the edge and acting to tension the skin in a direction substantially parallel to the cutting edge when the razor is moved in such direction.

DESIGNS

JUNE 4, 1935

95,787
DESIGN FOR A BOTTLE
Clyde W. Ahrens, New York, N. Y., assignor to Mission Dry Corporation, New York, N. Y., a corporation of Delaware
Application May 18, 1934, Serial No. 51,830
Term of patent 3½ years



The ornamental design for a bottle, as shown.

95,788
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Lorenzo Audino, East Elmhurst, N. Y.
Application April 10, 1935, Serial No. No. 56,304
Term of patent 3½ years



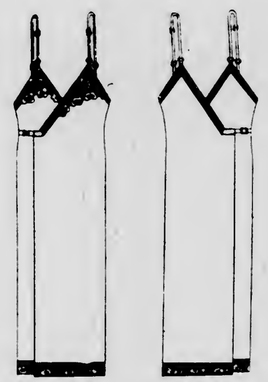
The ornamental design for a shoe or similar article, as shown.

95,789
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Lorenzo Audino, East Elmhurst, N. Y.
Application April 10, 1935, Serial No. 56,308
Term of patent 3½ years



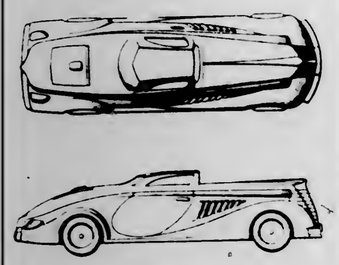
The ornamental design for a shoe or similar article, as shown.

95,790
DESIGN FOR A TWO-PIECE SLIP
Michael E. Awamy, New York, N. Y.
Application April 26, 1935, Serial No. 56,580
Term of patent 3½ years



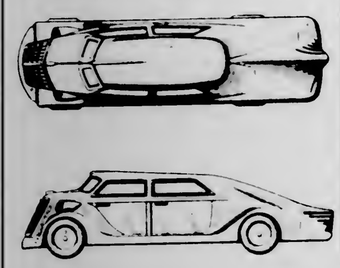
The ornamental design for a two-piece slip, substantially as shown and described.

95,791
DESIGN FOR A TOY VEHICLE OR THE LIKE
Walter Baets, New York, N. Y.
Application April 25, 1935, Serial No. 56,544
Term of patent 7 years



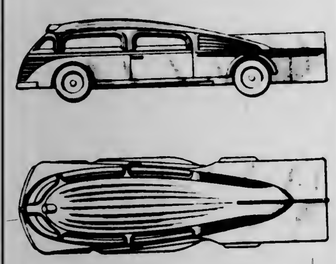
The ornamental design for a toy vehicle or the like as shown.

95,792
DESIGN FOR A TOY VEHICLE OR THE LIKE
Walter Baetz, New York, N. Y.
Application April 25, 1935, Serial No. 56,545
Term of patent 7 years



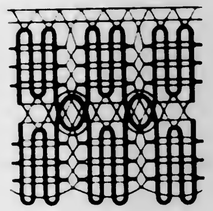
The ornamental design for a toy vehicle or the like as shown.

95,793
DESIGN FOR A TOY VEHICLE OR THE LIKE
Walter Baets, New York, N. Y.
Application April 25, 1935, Serial No. 56,546
Term of patent 7 years



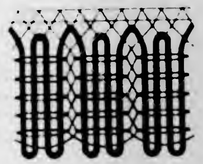
The ornamental design for a toy vehicle or the like as shown.

95,794
DESIGN FOR LACE
Harry B. Barnum, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application March 13, 1935, Serial No. 55,857
Term of patent 7 years



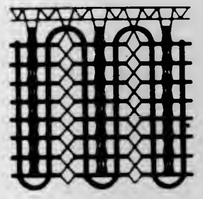
The ornamental design for lace, substantially as shown.

95,795
DESIGN FOR LACE
Harry B. Barnum, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application March 13, 1935, Serial No. 55,858
Term of patent 7 years



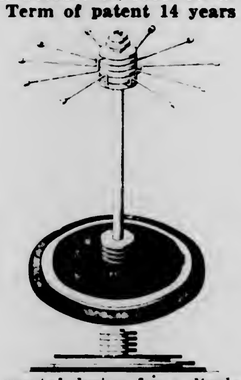
The ornamental design for lace, substantially as shown.

95,796
DESIGN FOR LACE
Harry B. Barnum, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application March 13, 1935, Serial No. 55,859
Term of patent 7 years



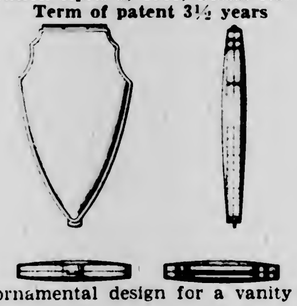
The ornamental design for lace, substantially as shown.

95,797
DESIGN FOR A DISPLAY STAND FOR HOSIERY OR THE LIKE
Emil J. Berger, Hatfield, Pa., assignor to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application October 26, 1934, Serial No. 53,768
Term of patent 14 years



The ornamental design for a display stand for hosiery or the like, as shown and described.

95,798
DESIGN FOR A VANITY CASE
Harry L. Berinstein, Elmira, N. Y.
Application April 2, 1935, Serial No. 56,183
Term of patent 3½ years



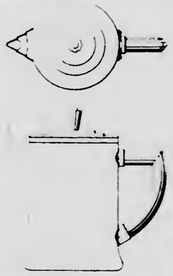
The ornamental design for a vanity case, as shown.

95,799
DESIGN FOR A DRIP COFFEEPOT
Anetta Brenneman, Factoryville, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application March 26, 1935, Serial No. 56,054
Term of patent 7 years



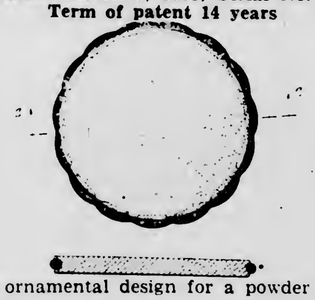
The ornamental design for a drip coffee pot as shown.

95,800
DESIGN FOR A COFFEEPOT
Anetta Brenneman, Factoryville, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application March 26, 1935, Serial No. 56,055
Term of patent 7 years



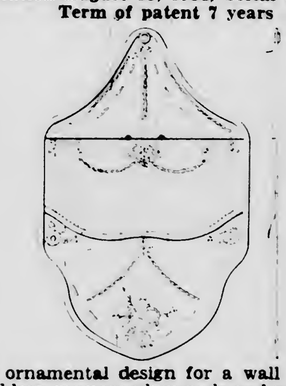
The ornamental design for a coffee pot as shown.

95,801
DESIGN FOR A POWDER PUFF
Evangeline Burkhart, New York, N. Y.
Application March 5, 1935, Serial No. 55,734
Term of patent 14 years



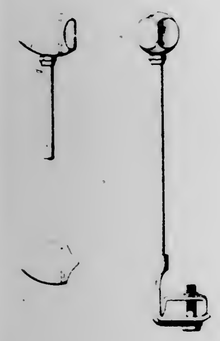
The ornamental design for a powder puff as shown.

95,802
DESIGN FOR A WALL POCKET FOR POT HOLDERS, MEMORANDUM PADS, AND PENCILS
Moses Caplan, Boston, Mass.
Application August 18, 1934, Serial No. 52,985
Term of patent 7 years



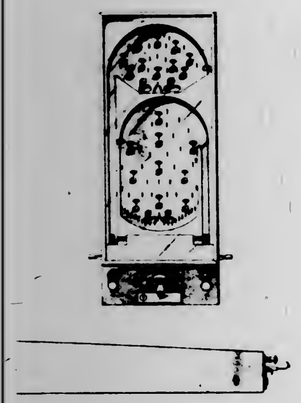
The ornamental design for a wall pocket for pot-holders, memorandum pads and pencils, substantially as shown.

95,803
DESIGN FOR A FENDER GUIDE
Joseph H. Cohen, Bridgeport, Conn.
Application March 21, 1934, Serial No. 51,126
Term of patent 3½ years



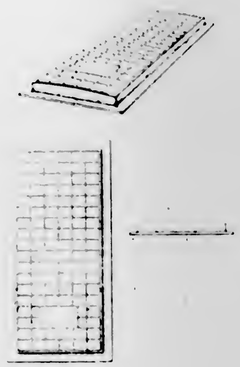
The ornamental design for a fender guide, as shown.

95,804
DESIGN FOR A GAME APPARATUS
Henry P. Compton and Louis Solomon, Abilene, Tex.
Application March 8, 1935, Serial No. 55,793
Term of patent 3½ years



The ornamental design for a game apparatus as shown.

95,805
DESIGN FOR A MEMORIAL MARKER
Irwin W. Cox, Denver, Colo.
Application November 22, 1933, Serial No. 49,822
Term of patent 14 years



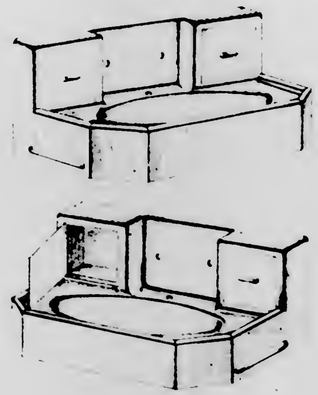
The ornamental design for a memorial marker, as shown.

95,806
DESIGN FOR A DISHWASHING MACHINE
Orin K. Cox, Los Angeles, Calif.
Application March 20, 1935, Serial No. 55,958
Term of patent 7 years



The ornamental design for a dishwashing machine, as shown.

95,807
DESIGN FOR A LAVATORY
Harlow N. Davock, Birmingham, Mich.
Application March 14, 1935, Serial No. 55,878
Term of patent 14 years



The ornamental design for a lavatory as shown.

95,808
DESIGN FOR AN ASH RECEIVER
Rudolph F. De Boer, Grand Rapids, Mich.
Application April 10, 1935, Serial No. 56,286
Term of patent 7 years



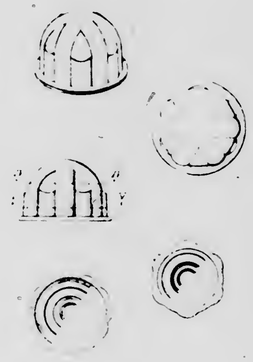
The ornamental design for an ash receiver as shown.

95,809
DESIGN FOR A SHOE
Vincent De Liso, Astoria, N. Y.
Application April 16, 1935, Serial No. 56,410
Term of patent 3½ years



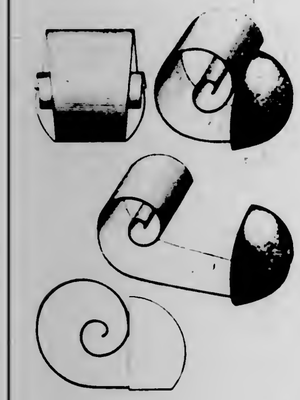
The ornamental design for a shoe, as shown.

95,810
DESIGN FOR A VEHICLE LAMP GLOBE OR SIMILAR ARTICLE
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products Inc., Columbus, Ohio, a corporation of Ohio
Application April 1, 1935, Serial No. 56,146
Term of patent 7 years



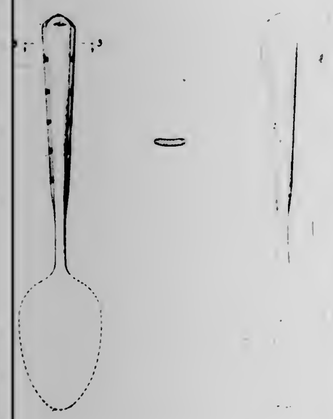
The ornamental design for a vehicle lamp globe or similar article, as shown.

95,811
DESIGN FOR A BOOK END
Fred D. Farr, Mamaroneck, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application January 11, 1935, Serial No. 54,815
Term of patent 14 years



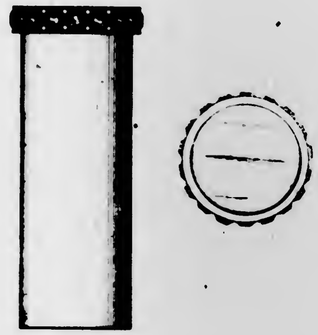
The ornamental design for a book end, substantially as shown and described.

95,812
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
George A. Feinauer, Providence, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application April 10, 1935, Serial No. 56,294
Term of patent 14 years



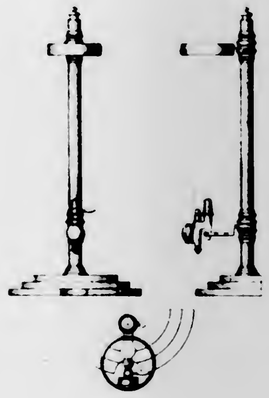
The ornamental design for a spoon or other article of flatware substantially as shown.

95,813
DESIGN FOR A LIP STICK CONTAINER
Paul H. Ganz, New York, N. Y.
Application January 16, 1935, Serial No. 54,884
Term of patent 14 years



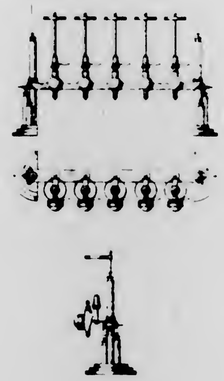
The ornamental design for a lipstick container as shown.

95,814
DESIGN FOR A LIQUID DISPENSING RACK
James Garvey, New York, N. Y., assignor to Optic Liquid Measures Inc., Norfolk, Va., a corporation of Virginia
Application February 28, 1935, Serial No. 55,654
Term of patent 14 years



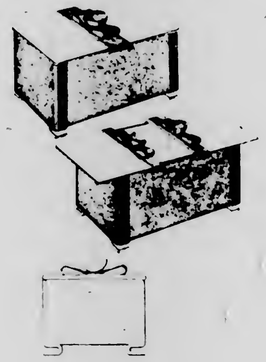
The ornamental design for a liquid dispensing rack, substantially as shown.

95,815
DESIGN FOR A LIQUID DISPENSING RACK
James Garvey, New York, N. Y., assignor to Optic Liquid Measures Inc., Norfolk, Va., a corporation of Virginia
Application February 28, 1935, Serial No. 55,655
Term of patent 14 years



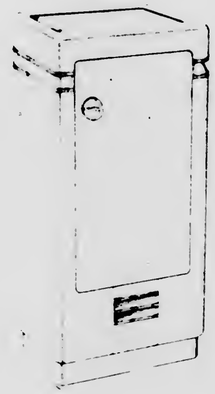
The ornamental design for a liquid dispensing rack, substantially as shown.

95,816
DESIGN FOR A BOX
Norman Bel Geddes, New York, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application February 13, 1935, Serial No. 55,389
Term of patent 7 years



The ornamental design for a box, substantially as shown.

95,817
DESIGN FOR A REFRIGERATOR CABINET
Norman Bel Geddes, New York, and William I. Hamby, Great Neck, N. Y., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 55,590
Term of patent 14 years



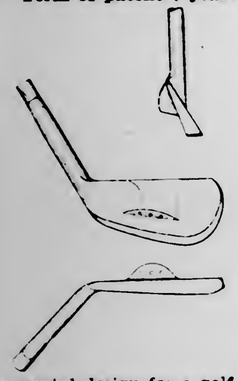
The ornamental design for a refrigerator cabinet as shown.

95,818
DESIGN FOR A SHOE
Julius A. Goldberg, Highland Park, Ill.
Application April 15, 1935, Serial No. 56,388
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

95,819
DESIGN FOR A GOLF CLUB HEAD
James Gourlay, Glencoe, Ill.
Application March 9, 1935, Serial No. 55,796
Term of patent 7 years



The ornamental design for a golf club head as shown.

95,820
DESIGN FOR A POCKET LIGHTER
Martin Grünstein, Elgersburg, Germany, assignor to the firm Müller & Grünstein, Elgersburger Feuerzeugfabrik, Elgersburg, Germany
Application May 5, 1933, Serial No. 48,018
In Germany February 8, 1933
Term of patent 3½ years

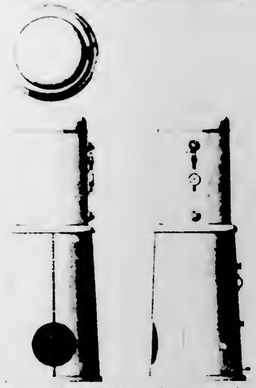
The ornamental design for a pocket lighter, as shown.

95,821
DESIGN FOR A BOTTLE
William Guyer, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana
Application April 2, 1935, Serial No. 56,177
Term of patent 14 years



The ornamental design for a bottle as shown.

95,822
DESIGN FOR AN AIR COMPRESSOR UNIT
Alfred Hallett, Los Angeles, Calif.
Application September 24, 1934, Serial No. 53,382
Term of patent 14 years



The ornamental design for an air compressor unit as shown.

95,823
DESIGN FOR A SHOWER HEAD
Chester W. Hathaway and Ernest Krumsiek, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 1, 1935, Serial No. 56,176
Term of patent 14 years





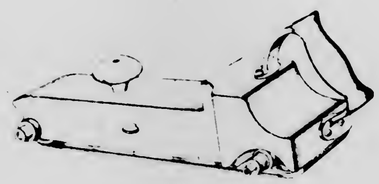
The ornamental design for a shower head substantially as shown.

95,824
DESIGN FOR A TEXTILE FABRIC
William R. Haywood, New York, N. Y.
Application April 17, 1935, Serial No. 56,425
Term of patent 3½ years



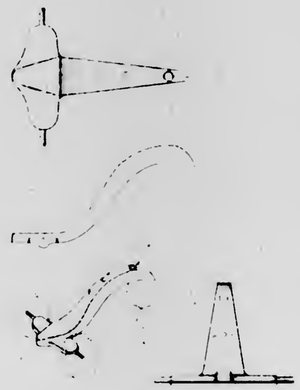
The ornamental design for a textile fabric, substantially as shown.

95,825
DESIGN FOR A SANDING MACHINE
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application March 6, 1935, Serial No. 55,754
Term of patent 14 years



The ornamental design for a sanding machine as shown.

95,826
DESIGN FOR A VELOCIPEDE
Knute W. Hedstrom, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application March 30, 1935, Serial No. 56,127
Term of patent 7 years



The ornamental design for a velocipede as shown.

95,827
DESIGN FOR A WRAP
Charles Hoffman, New York, N. Y.
Application April 24, 1935, Serial No. 56,534
Term of patent 3½ years



The ornamental design for a wrap, substantially as shown and described.

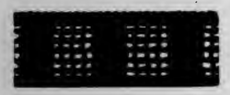
95,828
DESIGN FOR ELASTIC LACE BRAID
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 17, 1934, Serial No. 54,449
Term of patent 7 years



The ornamental design for elastic lace braid as shown and described.

95,829
DESIGN FOR ELASTIC LACE BRAID
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 1, 1935, Serial No. 56,148
Term of patent 14 years





The ornamental design for elastic lace braid as shown and described.

95,830
DESIGN FOR ELASTIC LACE BRAID
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 1, 1935, Serial No. 56,149
Term of patent 14 years





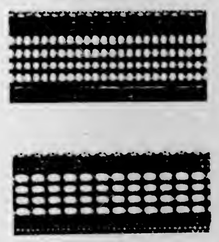
The ornamental design for elastic lace braid as shown and described.

95,831
DESIGN FOR ELASTIC LACE BRAID
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 1, 1935, Serial No. 56,150
Term of patent 14 years



The ornamental design for elastic lace braid as shown and described.

95,832
DESIGN FOR ELASTIC LACE BRAID
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 1, 1935, Serial No. 56,151
Term of patent 14 years



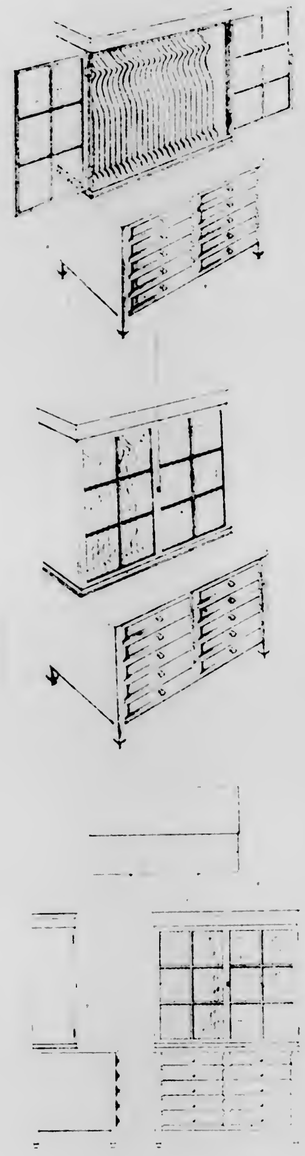
The ornamental design for elastic lace braid as shown and described.

95,833
DESIGN FOR A COAT GARMENT
Samuel A. Jamieson, Des Moines, Iowa
Application January 7, 1935, Serial No. 54,766
Term of patent 7 years



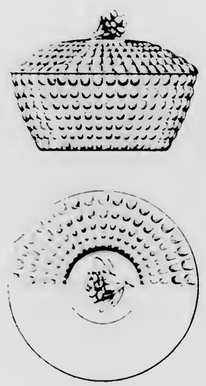
The ornamental design for a coat garment substantially as shown.

95,834
DESIGN FOR A STOCKING DISPLAY CABINET
Henry Janssen, Wyomissing, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania
Application February 13, 1935, Serial No. 55,386
Term of patent 14 years



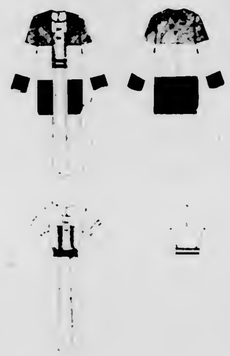
The ornamental design for a stocking display cabinet as shown and described.

95,835
DESIGN FOR A MARMALADE JAR
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application September 1, 1934, Serial No. 53,153
Term of patent 7 years



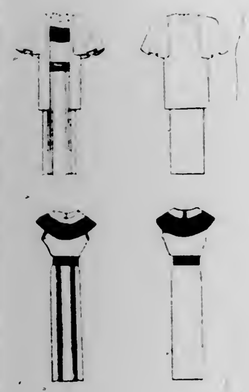
The ornamental design for a marmalade jar, as shown and described.

95,836
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 8, 1935, Serial No. 56,274
Term of patent 3½ years



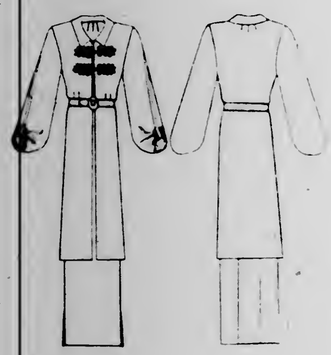
The ornamental design for an ensemble dress, substantially as shown and described.

95,837
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 8, 1935, Serial No 56,275
Term of patent 3½ years



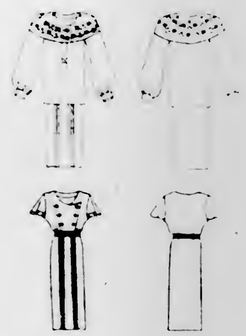
The ornamental design for an ensemble dress, substantially as shown and described.

95,838
DESIGN FOR A DRESS
Jack Kirschner, New York, N. Y.
Application April 10, 1935, Serial No. 56,315
Term of patent 3½ years



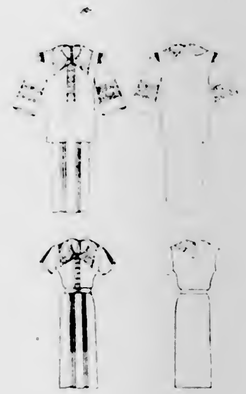
The ornamental design for a dress, substantially as shown and described.

95,839
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 12, 1935, Serial No. 56,347
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown and described.

95,840
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 12, 1935, Serial No. 56,348
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown and described.

95,841
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 15, 1935, Serial No. 56,374
Term of patent 3½ years



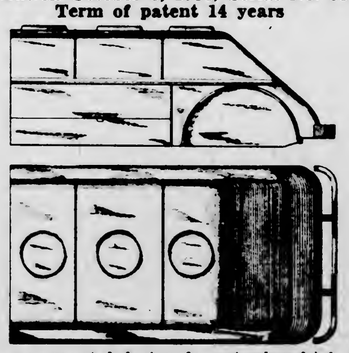
The ornamental design for an ensemble dress, substantially as shown and described.

95,842
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 15, 1935, Serial No. 56,375
Term of patent 3½ years



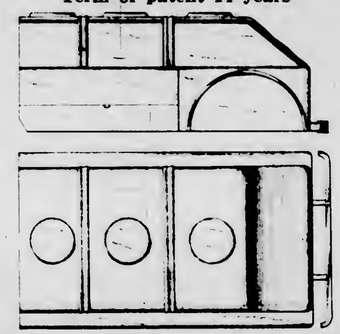
The ornamental design for an ensemble dress, substantially as shown and described.

95,843
DESIGN FOR A TANK VEHICLE BODY
Andrew A. Kramer, Kansas City, Mo.
Application October 8, 1934, Serial No. 53,521
Term of patent 14 years



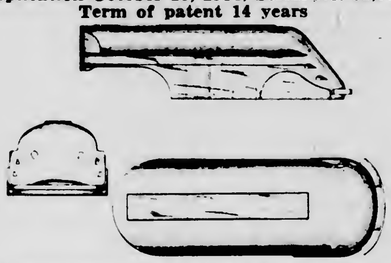
The ornamental design for a tank vehicle body substantially as shown.

95,844
DESIGN FOR A TANK VEHICLE BODY
Andrew A. Kramer, Kansas City, Mo.
Application October 8, 1934, Serial No. 53,522
Term of patent 14 years



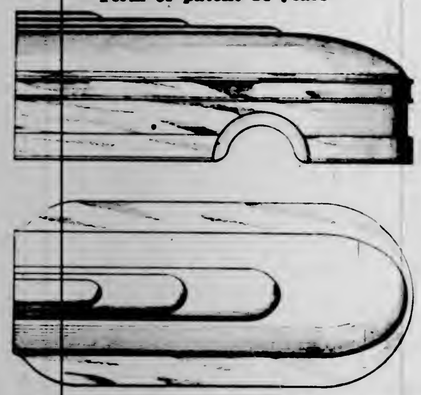
The ornamental design for a tank vehicle body substantially as shown.

95,845
DESIGN FOR A TANK VEHICLE BODY
Andrew A. Kramer and Joseph M. Kramer, Kansas City, Mo.; said Joseph M. Kramer assignor to said Andrew A. Kramer
Application October 18, 1934, Serial No. 53,680
Term of patent 14 years



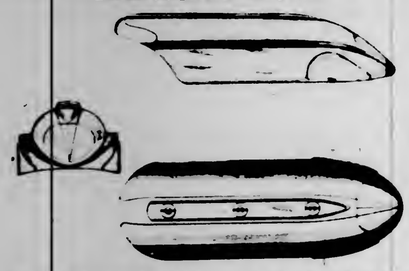
The ornamental design for a tank vehicle body substantially as shown.

95,846
DESIGN FOR A TANK VEHICLE BODY
Joseph M. Kramer, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
Application October 18, 1934, Serial No. 53,681
Term of patent 14 years



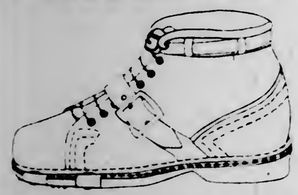
The ornamental design for a tank vehicle body substantially as shown.

95,847
DESIGN FOR A TANK VEHICLE BODY
Joseph M. Kramer, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
Application October 29, 1934, Serial No. 53,810
Term of patent 14 years



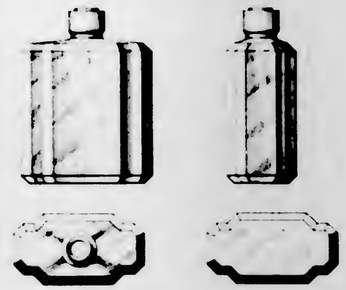
The ornamental design for a tank vehicle body substantially as shown.

95,848
DESIGN FOR A SKI BOOT
Josef Lanz, Salzburg, Austria, assignor to The Stetson Shoe Company, Inc., South Weymouth, Mass., a corporation of Massachusetts
Application March 16, 1935, Serial No. 55,893
Term of patent 7 years



The ornamental design for a ski boot as shown and described.

95,849
DESIGN FOR A BOTTLE
Walter R. Leach, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application March 29, 1935, Serial No. 56,107
Term of patent 14 years



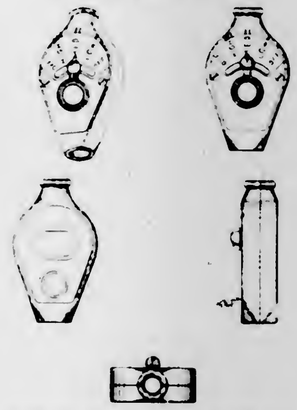
The ornamental design for a bottle, as shown.

95,850
DESIGN FOR A NASAL INHALER
Frederick Lobl, Middleboro, Mass.
Application October 5, 1932, Serial No. 45,218
Term of patent 14 years



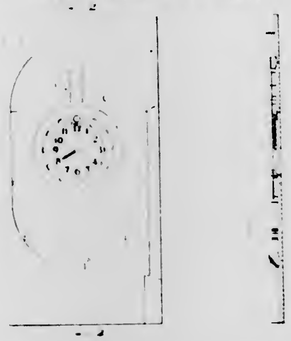
The ornamental design for a nasal inhaler as shown.

95,851
DESIGN FOR A SWITCH CASING
Frederick Lobl, Middleboro, Mass.
Application April 25, 1935, Serial No. 56,553
Term of patent 14 years



The ornamental design for a switch casing as shown.

95,852
DESIGN FOR AN AMUSEMENT GAME BOARD
Frank K. Maitland, Hermosa Beach, Calif., assignor to Fred C. McClellan, Chicago, Ill.
Application March 14, 1935, Serial No. 55,880
Term of patent 3½ years



The ornamental design for an amusement game board as shown.

95,853
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William H. Mayer, Jr., New York, N. Y.
Application March 25, 1935, Serial No. 56,045
Term of patent 7 years

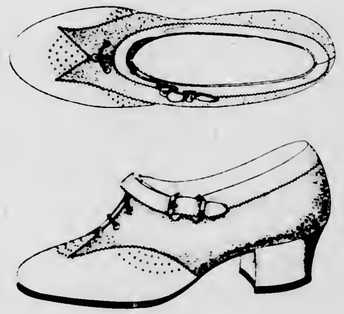
The ornamental design for a textile fabric or similar article as shown.

95,854
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application March 29, 1935, Serial No. 56,108
Term of patent 14 years



The ornamental design for a bottle, as shown.

95,855
DESIGN FOR A SHOE
Samuel Meyer, New York, N. Y.
Application April 15, 1935, Serial No. 56,389
Term of patent 3½ years



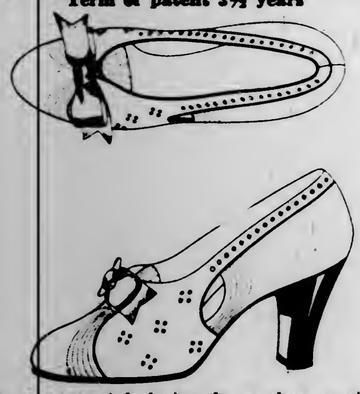
The ornamental design for a shoe, as shown.

95,856
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles Miller, New York, N. Y.
Application April 10, 1935, Serial No. 56,309
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

95,857
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles Miller, New York, N. Y.
Application April 10, 1935, Serial No. 56,310
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

95,858
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles Miller, New York, N. Y.
Application April 10, 1935, Serial No. 56,311
Term of patent 3½ years



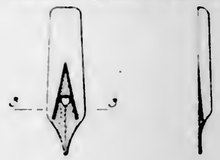
The ornamental design for a shoe or similar article, as shown.

95,859
DESIGN FOR A BROILER
Herbert H. Minard, Wichita, Kans.
Application March 25, 1935, Serial No. 56,032
Term of patent 3½ years



The ornamental design for a broiler as shown.

95,860
DESIGN FOR A PEN POINT
Max M. Neuhoff, New York, N. Y.
Application March 27, 1935, Serial No. 56,084
Term of patent 3½ years



The ornamental design for a pen point, as shown and described.

95,861
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application April 16, 1935, Serial No. 56,411
Term of patent 3½ years





The ornamental design for a shoe, as shown.

95,862
DESIGN FOR A SHOE
Flora Belle Polley, New York, N. Y.
Application February 25, 1935, Serial No. 55,610
Term of patent 3½ years

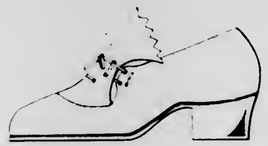




The ornamental design for a shoe, substantially as shown.

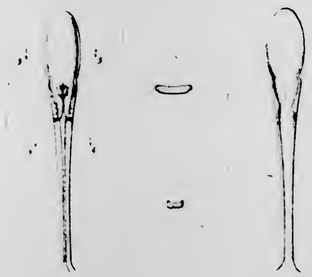
95,863
DESIGN FOR A SHOE
Flora Belle Polley, New York, N. Y.
Application February 25, 1935, Serial No. 55,611
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

95,864
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Providence, R. I., assignor to The Alvin Corporation, Providence, R. I., a corporation of New York
Application April 1, 1935, Serial No. 56,161
Term of patent 14 years



The ornamental design for a spoon or other article of flatware substantially as shown.

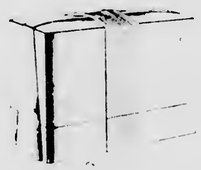
95,865
DESIGN FOR A BLOUSE
Hannah M. Raphael, New York, N. Y.
Application March 20, 1935, Serial No. 55,960
Term of patent 3½ years

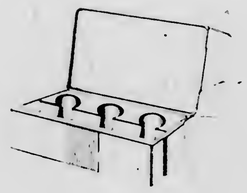




The ornamental design for a blouse, substantially as shown and described.

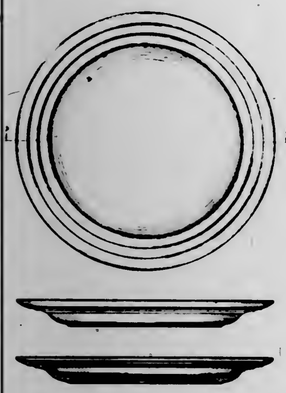
95,866
DESIGN FOR A CONTAINER FOR NAIL POLISH MANICURE SET
Maximilian Schnefel, East Orange, N. J.
Application February 7, 1935, Serial No. 55,296
Term of patent 7 years





The ornamental design for a container for nail polish manicure set as shown.

95,867
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Charles L. Sebring, Sebring, Ohio, assignor to The Sebring Pottery Company, Sebring, Ohio, a corporation of Ohio
Application September 13, 1934, Serial No. 53,278
Term of patent 7 years



The ornamental design for a plate or similar article, as shown.

95,868
DESIGN FOR A SHOE
Robert Sederquist, Elgin, Ill.
Application April 24, 1935, Serial No. 56,536
Term of patent 3½ years



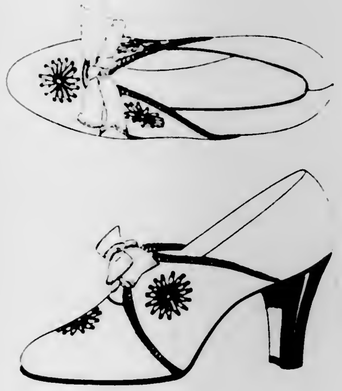
The ornamental design for a shoe, substantially as shown.

95,869
DESIGN FOR AN EYEGLASS BRIDGE
Fred H. Soden, Rochester, N. Y., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application April 15, 1935, Serial No. 56,396
Term of patent 7 years



The ornamental design for an eyeglass bridge, as shown.

95,870
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Joseph Sofransky, New York, N. Y.
Application April 10, 1935, Serial No. 56,312
Term of patent 3½ years



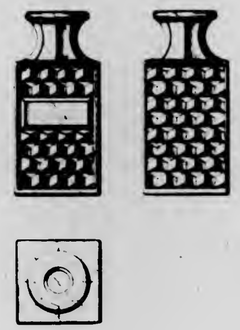
The ornamental design for a shoe, as shown.

95,871
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Joseph Sofransky, New York, N. Y.
Application April 10, 1935, Serial No. 56,313
Term of patent 3½ years



The ornamental design for a shoe, as shown.

95,872
DESIGN FOR A DECANTER OR SIMILAR ARTICLE
Eugene Stahl, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 13, 1935, Serial No. 56,362
Term of patent 7 years



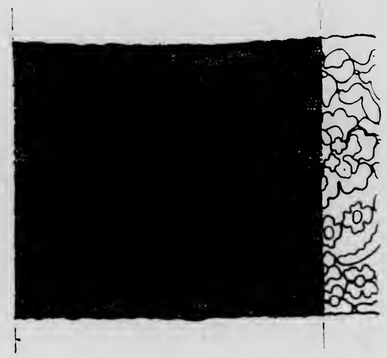
The ornamental design for a decanter or similar article, substantially as shown and described.

95,873
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Joseph S. Stein, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application February 25, 1935, Serial No. 55,604
Term of patent 7 years



The ornamental design for a bottle or a similar article, as shown.

95,874
DESIGN FOR A LACE
Henry Stenson, Long Eaton, England, assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York
Application April 16, 1935, Serial No. 56,418
Term of patent 3½ years



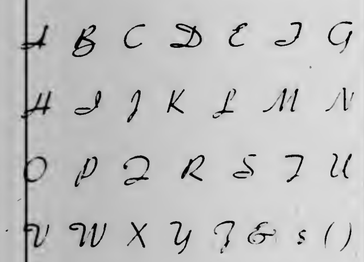
The ornamental design for a lace as shown and described.

95,875
DESIGN FOR A TEXTILE FABRIC
Juanita Todd, Yonkers, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York
Application April 13, 1935, Serial No. 56,355
Term of patent 3½ years



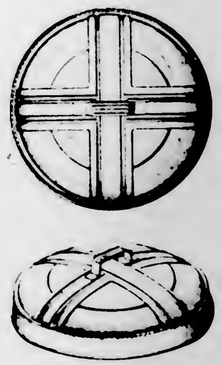
The ornamental design for a textile fabric substantially as shown.

95,876
DESIGN FOR PRINTING TYPE FONT
Howard Allen Trafton, New York, N. Y.
Application August 23, 1933, Serial No. 49,096
Term of patent 7 years



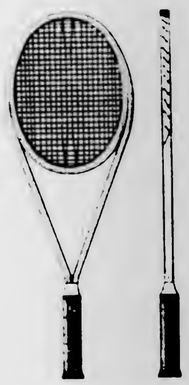
The ornamental design for printing type font as shown.

95,877
DESIGN FOR A CLOSURE FOR CONTAINERS OR SIMILAR ARTICLE
Harold L. Van Doren and Charles K. Ellsworth, Toledo, Ohio, assignors to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application February 23, 1935, Serial No. 55,589
Term of patent 14 years



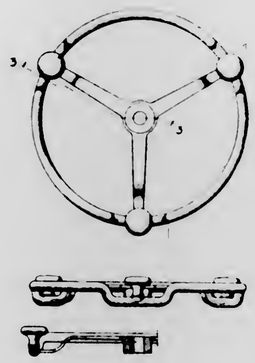
The ornamental design for a closure for containers or similar article substantially as shown.

95,878
DESIGN FOR A TENNIS RACKET OR SIMILAR ARTICLE
Martial Van Schelle, Brussels, Belgium, and James Allen, London, England
Application December 6, 1934, Serial No. 54,324
In Belgium October 26, 1934
Term of patent 14 years



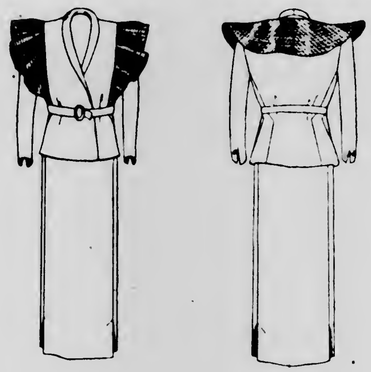
The ornamental design for a tennis racket or similar article as shown.

95,879
DESIGN FOR A STEERING WHEEL
John D. Villas, Minneapolis, Minn.
Application March 23, 1935, Serial No. 56,026
Term of patent 14 years



The ornamental design for a steering wheel, substantially as shown and described.

95,880
DESIGN FOR A LADY'S SUIT
Sidney Vlock, New York, N. Y.
Application February 21, 1935, Serial No. 55,553
Term of patent 3½ years



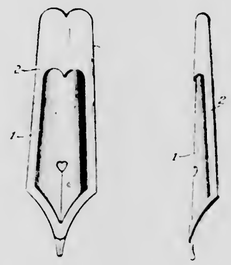
The ornamental design for a lady's suit, substantially as shown.

95,881
DESIGN FOR A LAMP-POST OR SIMILAR ARTICLE
Ralph Waggoner, Los Angeles, Calif., assignor to Marbelite Corporation of America, Ltd., Los Angeles, Calif., a corporation of Delaware
Application March 18, 1935, Serial No. 55,911
Term of patent 14 years



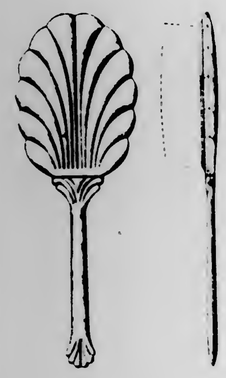
The ornamental design for a lamp-post or similar article, as shown.

95,882
DESIGN FOR A FOUNTAIN PEN NIB
Norman E. Weigel, Short Hills, N. J.
Application November 15, 1934, Serial No. 54,033
Term of patent 14 years



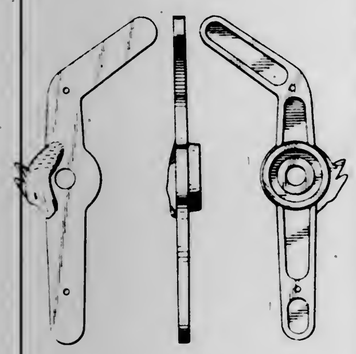
The ornamental design for a fountain pen nib, as shown and described.

95,883
DESIGN FOR A BRUSH OR SIMILAR ARTICLE
Albert Wewetser, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application April 4, 1935, Serial No. 56,211
Term of patent 14 years



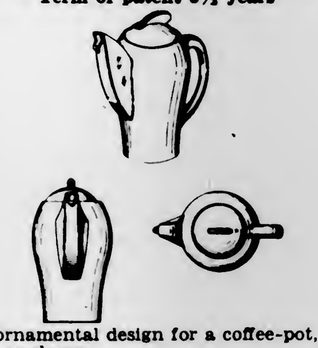
The ornamental design for a brush or similar article, as shown and described.

95,884
DESIGN FOR A LEVER
Harry Wolff, Lincoln, Nebr.
Application March 12, 1935, Serial No. 55,841
Term of patent 3½ years



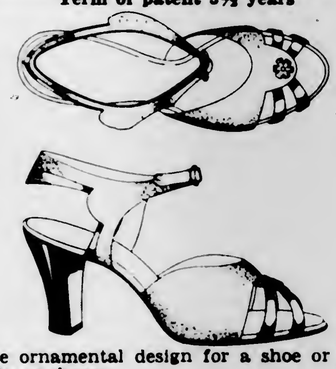
The ornamental design for a lever, as shown.

95,885
DESIGN FOR A COFFEEPOT OR LIKE ARTICLE
Harry Francis Wood, Burnlem, England
Application February 23, 1935, Serial No. 55,566
Term of patent 3½ years



The ornamental design for a coffee-pot, or like article, as shown.

95,886
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application April 15, 1935, Serial No. 56,385
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

95,887
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application April 15, 1935, Serial No. 56,386
Term of patent 3½ years



The ornamental design for a shoe or similar article as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 455—No. 2 TUESDAY, JUNE 11, 1935 Price—$16 per year

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Labels	63—No.	45,764 to No.	45,826, inclusive.
Prints	6—No.	15,214 to No.	15,219, inclusive.
Reissues	6—No.	19,603 to No.	19,608, inclusive.
Patents	831—No.	2,004,088 to No.	2,004,918, inclusive.
Designs	56—No.	95,888 to No.	95,943, inclusive.
Total	1,167		

Interference Notices

U. S. PATENT OFFICE, *Washington, May 9, 1935.*

James H. Dalbey, his assigns or legal representatives, take notice:

An interference has been declared by this Office between an application for patent filed by James H. Dalbey, c/o Hotel McAlpin, 10th and Chestnut Streets, Philadelphia, Pennsylvania, and an application for patent filed by Charles Henderson, 19 West Plumstead Avenue, Lansdowne, Pennsylvania. The attorney for Dalbey states that he is unable to locate said Dalbey. Notice is hereby given that unless said Dalbey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, May 22, 1935.*

Merrin A. Hunt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Joseph William Simoneau, Nashua, New Hampshire, for registration of a trade-mark, and trade-mark registered October 29, 1929, No. 263,099, to Allison Drug Stores, Incorporated, 109 West 64th Street, New York, N. Y. The records of this Office show that Mervin A. Hunt, New York, N. Y., is the assignee of said registrant. A notice of such proceeding sent by registered mail to said Mervin A. Hunt at the said address, having been returned by the Post Office as undeliverable, notice is hereby given that unless said Mervin A. Hunt, his assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, May 10, 1935.*

Geo. B. Clemmer, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the application of Ray Day Piston Corporation of Detroit, 6656 Walton Avenue, Detroit, Michigan, to effect the cancellation of trade-mark registration No. 181,877, issued March 25, 1924, to Geo. B. Clemmer, 114 Mount Royal Avenue, Baltimore, Maryland, James A. Hughes, 311 Second Highland Avenue, Baltimore, Maryland, having been joined with said Geo. B. Clemmer as respondent. The notice of such proceeding sent to said Geo. B. Clemmer by registered mail at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Geo. B. Clemmer, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,875,859. P. H. Dowling, Electrical relay system, decided May 15, 1935, claims 5, 7, 8, 9, and 10.

Pat. 1,894,557. G. H. Fassett, Refrigerating apparatus, decided May 17, 1935, claim 1.

Pat. 1,899,856. G. de Montmollin, J. Danuser, G. Bonhôte and H. Johner, Unsulphonated diacylated diamines and process of making same, decided May 18, 1935, claims 1, 2, 5, 7, and 10.

Pat. 1,927,532. B. A. Wallace, Telephone system, decided May 13, 1935, claims 1 and 2.

Pat. 1,949,765. J. D. Sequy, Hydrocarbon oil conversion, decided May 11, 1935, claim 4.

Condition of Applications Under Examination at Close of Business May 25, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 33,767; Trade-Mark Division, 1,282. Oldest new case, January 28, 1935; oldest amended, January 25, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 18	Apr. 1	320
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Mar. 15	Mar 20	448
4083	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 25	Feb. 27	593
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 23	Feb. 25	423
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 5	Mar. 4	460
4896 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 6	Feb. 7	923
5725	7. JARBOE, C. G., Optics; Photography	Feb. 28	Feb. 28	757
3880	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 26	Feb. 27	498
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 26	Mar. 30	315
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 15	Mar. 20	335
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 31	Jan. 31	592
7701	12. HENRY, C. O., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 18	Feb. 18	433
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 29	Mar. 25	305
5087	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 21	Feb. 19	456
4807	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 15	Mar. 15	729
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 16	Feb. 16	799
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 4	Mar. 2	642
4612	18. PORTER, M. B., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 7	Mar 1	361
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 25	Mar. 4	533
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Mar. 5	Mar. 19	246
7783	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar 1	Mar. 1	575
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Feb. 21	Feb. 21	620
7802	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 31	Jan 26	530
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 27	Feb. 15	587
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 28	Feb. 27	575
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Apr. 2	Mar. 27	294
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 25	Feb. 25	444
4628	28. BENSON, A. B., Internal-Combustion Engines	Mar. 2	Mar 1	346
5062	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 25	Feb. 25	486
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 30	Jan. 30	527
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 25	Feb. 25	839
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 18	Mar. 22	307
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 15	Feb. 16	589
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 8	Feb. 6	608
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Feb. 28	Feb. 28	671
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 1	Mar. 1	408
5626 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 29	Jan 31	570
7510	38. KRAFFT, C. P., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Plastic Compositions.	Mar. 1	Mar. 2	400
4572	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 5	Apr. 5	272
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 15	Feb. 15	830
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 26	Feb. 26	518
5882	42. CUTTING, H. O., Electric Signaling	Mar. 13	Mar. 15	417
4896 B	43. KLINGE, R. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 19	Feb. 19	567
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 26	Jan. 25	781
7087	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 21	Mar. 20	306
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Feb. 11	Feb. 28	569
7080	47. BARKER, H., Clutches; Brakes	Mar. 11	Mar. 11	521
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 27	Feb. 27	498
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 8	Mar. 9	470
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 14	Feb. 15	839
5638	51. BACKUS, C. D., Radiant Energy	Mar. 7	Mar 7	621
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housing; Laminated Packing.	Mar. 4	Mar. 6	582
6807	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 20	Mar. 21	379
5674	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Mar. 7	Mar. 6	558
6857	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 27	Mar. 26	304
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 6	Feb. 6	609
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 28	Mar. 25	221
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 15	Apr. 17	281
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Mar. 2	Mar. 2	466
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 26	Feb. 26	369
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 8	Feb. 6	361
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 5	Mar. 13	527
4585	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 1	Feb. 1	596
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Combions; Fuel; Alcohol.	Feb. 26	Feb. 25	802
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 15	Mar. 15	352
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Apr. 25	May 10	1,215
	{Labels and Prints	May 25	May 23	67
2605	Designs, H. H. KALUPY (Act.)	Apr. 22	May 11	632

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE FAUNCE

No. 3,415. Decided February 4, 1935

[75 F.(2d) 211]

PATENTABILITY—DENTIFRICE AND PROCESS OF MAKING THE SAME.

Claims for a dentifrice which specify as an element sterilized glyceride of bile admixed substantially of equal proportion of glycerine and bile, and for the process of making the same *Held* patentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Royal R. Rommel for Faunce.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

Benjamin Rice Faunce, the appellant, filed an application in the United States Patent Office for a patent upon certain improvements in pharmaceutical preparations and dentifrices.

The application and specification disclose that the product which the appellant has made consists of the combination and treatment of animal bile and glycerine for use, preferably, in a dentifrice form. In his process the appellant takes equal quantities of bile and glycerine, mixes them together and puts them into a container wherein fermentation may take place. This mixture is permitted to stand for a period of approximately three months at a temperature of from 70° to 80° F., "until the apparent fermentation has ended." The appellant discloses that during this period bacteria have been produced, by means of which the apparent fermentation has been stopped, and discloses further that if this reaction had not taken place, the use of the material in medicine might have harmful effects.

Further, the specification discloses that the use of 50 per centum glycerine in the mixture is material and essential. After the seasoning period, the glyceride of bile liquid is filtered through talc, and again through any approved type of bacterial filter, by which process the live and dead bacterial cells are removed. Thereupon the glyceride of bile is sterilized by heat at approximately a temperature of 220° F.

This glyceride of bile may be used as a prophylactic, anticongestive or analgesic, but it is preferably used as a dentifrice. In the preparation of dentifrice, substantially 8 fluid ounces of the glyceride of bile is combined with 24 fluid ounces of glycerine, and then with some excipient or massing agent to give the dentifrice the proper consistence. Precipitated chalk or other base vehicle is used to give a paste form, to which flavoring matter may be added to give the proper flavor.

The specification further recites that this dentifrice, due to the glyceride of bile composition, will reduce congestion, act as a prophylactic, prevent the formation of tartar, prevent bleeding gums, cure halitosis, and keep toothbrushes clean and sanitary.

In support of this application, the appellant presented his affidavit in which he shows that the proportion of glycerine to be added to the bile is material and critical. For instance he says:

• • • Deponent has made extensive experiments which conclusively demonstrate that the bile constituent will lose its identity, as such, by decomposition and putrefaction if a proportion of less than 30% of glycerine is utilized with the bile. Deponent states, on the other hand, that if the proportion of glycerine very appreciably overbalances the bile constituent the said glycerine will act as a preservative for the toxins and other poisons which should be destroyed by bacterial process, so that a safe pharmaceutical preparation could never be produced.

Attached to said affidavit, as exhibits, are the statements of several dental surgeons who state the valuable results which have followed the use of the appellant's dentifrice, in pyorrhea, infected gums, and diseased mouth conditions, and to which is also attached certain clinical records of Dr. George C. Speirs and Dr. Oliver B. Campbell, both of Philadelphia, Pennsylvania, which clinical records fairly demonstrate, we believe, that the dentifrice of the appellant, as used by these dental surgeons, had a useful medicinal effect.

The Board of Appeals rejected all the claims, 1 to 18, inclusive. Claims 4, 9, and 14 are typical, and are as follows:

4. The process of preparing a remedial medicine which consists in mixing fresh bile with glycerine, permitting the same to stand for a period of fermentation, subsequently removing therefrom cellular and foreign pathogenic matter, and sterilizing the glyceride of bile by subjection to heat treatment.

9. As an article of manufacture a dentifrice comprising an excipient, a cleansing and polishing agent, and glyceride of bile admixed therewith.

14. The process of manufacturing a toothpaste which consists in mixing fresh ox-gall and glycerine in substantially equal proportions, permitting the same to stand at a temperature of from 70° F. to 80° F. until the period of fermentation has substantially ended, filtering and removing cellular and pathogenic bacterial matter, adding to the residue glyceride of bile an amount of glycerine substantially three times the amount by weight of the glyceride of bile, and adding suitable flavoring and a polishing agent.

The claims originally rejected were numbered 1 to 18, inclusive. Attached to appellant's brief is a motion to dismiss the appeal as to claims 1, 2, 3, 12, 16, and 18. In addition to this, upon the hearing here, counsel for appellant moved to dismiss claim 5. These motions are allowed and the appeal will be accordingly dismissed as to said claims 1, 2, 3, 5, 12, 16, and 18. This leaves for consideration claims 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, and 17.

The Board of Appeals cited the following references: Nichols, 249,478, November 15, 1881; Deikman, 307,748, November 11, 1884; Altwegg, 1,483,152, February 12, 1924; Baron, 1,621,186, March 15, 1927; Hiss & Ebert, New Standard Formulary, 1920, page 199, U. S. Dispensatory, 21st edition, pages 526–27, article on Glycerita; Textbook of Bacteriology by Hans Zinsser, 1930, pages 133, 118.

Without going into the details, the Board of Appeals affirmed the action of the Examiner in rejecting said claims for the reasons stated by him, which reasons, as stated by the Board, were as follows:

The Examiner rejected claims 3, 4, 6–8 and 12–16 as disclosing a process obvious to one skilled in the art and he calls attention to the step of filtering bacteria disclosed on page 118 of the Textbook of Bacteriology.

Claims 2, 8, 9 and 10–18 are rejected on the ground that there is no invention in using appellant's preparation of

glycerine and bile as a dentifrice. We agree with this holding of the Examiner.

The final rejection by the Examiner of claims 2, 9, 10, 11, 17 and 18 as covering an aggregation of substances since there is no coaction or interdependence between the chalk, flavoring matter and other ingredients specified, is also well taken. See *Ex parte Walker*, 313 O. G. 231.

The references disclose the following:

The patentee Nichols shows an improved soft soap which he makes by compounding ox gall with glycerine and nine other substances, including such substances as alcohol, sal-soda, and cantharides.

The patent to Deikman is for a liniment which contains a large number of constituents, two of which are beef's gall and glycerine.

The patent to Altwegg shows an improved method of producing a solution of volatile oils. In the specification of this patent it is stated:

"All these solutions combine the properties of the bile salts of dissolving pus, mucus, and lipoid matter with the antiseptic effect of the volatile oils."

The patent to Baren is for an improved bowel evacuant or rectal injection in which the constituent elements are glycerine, ox gall, water, and gelatine. The specification discloses a preferred combination in which the glycerine element is 94 per cent, the ox gall 2 per cent, water 2 per cent, and gelatine 2 per cent. The ox gall element, it is stated, may vary between 15 per cent and 2 per cent, and the glycerine from 50 per cent to 94 per cent.

The Zinsser reference shows a bacteria filter of the hollow candle type, and also discloses a bile medium recommended for blood cultures, composed of ox bile 900 cc., glycerine 100 cc., and peptone 20 Gms.

Hiss & Ebert, New Standard Formulary, discloses a glyceride of ox gall used chiefly in rectal injections, in which the constituents are inspissated ox gall, glycerine, salicylic acid, and water.

The reference to U. S. Dispensatory discloses the use of glycerine in medicine for its

"preservative influence, which often protects against oxidation, and, by a destructive agency upon all of the lowest forms of vegetable and animal life, prevents the various fermentative processes so destructive to organic bodies."

The Examiner begins his discussion of the claims by stating that the step of filtering bacteria is a common practice, and we think this is fairly shown by the reference Zinsser. In addition, the Examiner states that sterilization with heat is old and well known, and that it is well known that heavy deposits will settle out on standing. These latter propositions are not controverted by appellant.

It seems quite evident, from a consideration of the references, that the prior art does not suggest in any way the use or availability for use of glyceride of bile as a medicinal composition or in a dentifrice. There is nothing in the cited art which suggests that it might be useful for this purpose. The Altwegg patent does disclose that bile salts are useful in dissolving pus and mucus, but nowhere have we found reference to the fact that the glyceride of bile will have the same useful effect. It does not follow that because one element of the combination, namely, bile, will have a destructive effect upon pus or mucus, that it will do so when combined with glycerine. Again, the prior art does not show any combination of glycerine and bile without other added elements, nor does it show a combination of 50 per centum bile and 50 per centum glycerine. In addition, if it was known in the art that such a combination of equal quantities of bile and glycerine would permit fermentation and produce the destruction of toxic agents and dangerous bacteria, it has not been disclosed here, except in appellant's application, specification, and affidavit. We think it has been fairly established from said specification and affidavit that the proportions of bile and glycerine that are used are critical in their nature, and that the appellant has invented a combination of chemical elements with new and useful properties.

Even if it be conceded that the filtering of his glyceride of bile and its following sterilization are old in the art, the product itself is not so shown to be. Certainly it can hardly be contended that a preparation of soft soap, or liniment, or bowel evacuant, or a rectal injection, especially when a large number of other materials, whose exact reaction is not disclosed, is used, are anticipatory of the disclosure made by the appellant here. In addition, the patent to Altwegg, which the office seems to think is most in point, has to do with a combination of gall acids and volatile oils, which, of course, would not include glycerine, although it is erroneously stated by the Examiner that this patent shows "glyceride of bile as a pus solvent."

Claims 8, 9, 10, 11, and 17 were further rejected as covering an aggregation of substances, and, as authority for this action, *Ex parte Walker*, 1923 C. D. 39, 313 O. G. 231, is cited. The cited decision is that of the Commissioner of Patents, affirming the decision of the Examiners in Chief in rejecting a claim for an alleged new hair treating or food compound for hair. The Commissioner stated in his decision that all the ingredients of the compound had theretofore been used in compounds for this same purpose, except palm oil, and that olive oil, which was the equivalent of palm oil, had been used in this same relation. Therefore the Commissioner was of opinion that the claimed combination was simply an aggregation. A similar case was *In re Trattner*, 58 App. D. C. 355, 30 F.(2d) 879, 383 O. G. 4.

We are unable to agree that the said claims were properly rejected on this authority. So far as the art discloses, glyceride of bile had never been used for the purpose suggested by appellant, namely, as a dentifrice, or for any similar purpose. Appellant's dentifrice, therefore, cannot be said to be simply an aggregation. It is, rather, a combination containing an element new to the art, and, although it may also contain chalk and other materials heretofore well known in dentifrices, because of the glyceride of bile element, it appears to be inventive.

We are of opinion that claims 6, 7, 8, 11, 13, 14, 15, and 17 were improperly rejected.

Claims 4, 9, and 10, however, are sufficiently broad to read upon the prior art. In these claims, the proportion of bile which are mixed with glycerine are not stated. The court is, therefore, of the opinion that these claims were properly rejected.

In this connection, reference is hereby made to *In re Faunce*, 22 C. C. P. A. (Patents) ———, ——— F.(2d) ———, where a somewhat analogous question is involved.

The appeal is dismissed as to claims 1, 2, 3, 5, 12, 16, and 18. The decision of the Board of Appeals is affirmed as to claims 4, 9, and 10, and reversed as to claims 6, 7, 8, 11, 13, 14, 15, and 17.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE MCCABE

No. 3,875. Decided January 28, 1935

[74 F.(2d) 76]

PATENTABILITY—ELECTRIC IGNITION DEVICE.

Claims for an electric ignition device *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Langdon Moore, Jr., James Atkins, and *Mr. Arthur J. Hudson* for McCabe.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 3, 6, and 7 in appellant's application for a patent for an alleged invention relating to improvements in an electrical ignition device for fluid fuel burners.

Claim 2 is illustrative. It reads:

2. An electrical ignition device adapted to be connected to a source of electricity, including a transformer and a resistance element connected in the secondary circuit of the transformer, and means within the transformer whereby irrespective of variations in voltage in the primary, a secondary constant current is induced.

The references are: Van Slyck, 678,069, July 9, 1901; Darrah, 1,365,305, Jan. 11, 1921; Swiss patent, 94,935, June 1, 1922; Warrick, 1,648,924, Nov. 15, 1927; Booth, 1,694,053, Dec. 4, 1928; Montsinger, 1,756,875, Apr. 29, 1930.

The alleged invention relates to an ignition device for oil burners involving an incandescent wire, as distinguished from so-called "jump-spark" igniters.

It appears from appellant's specification that—

A piece of resistance material heated to incandescency by the passage of the current therethrough was one of the simplest ignition devices employed but was soon replaced by the jump spark device, very similar to the spark plug of the automobile, because of the variation in the voltage of the commercial line. The commercial current for house-lighting is generally presumed to be 110 volts, yet in different localities and under different conditions it varies from 70 volts to 140 volts. This variation in the commercial voltage made it impracticable to construct and adjust at the factory an incandescent resistance ignition device which would operate under such a large range of different voltages. If the voltage in the locality was lower than that for which the device was adjusted, the device would not become incandescent and would therefore be inoperative, and if the voltage was greater than the adjustment then the device would be burned up by the excessive heat produced and likewise become inoperative.

In order to overcome the difficulties referred to in the quoted excerpt, appellant placed a constant current transformer in a secondary circuit in the electrical ignition system.

It appears from the record that appealed claim 2, hereinbefore quoted, was in Interference No. 61,687, involving the following applications: Appellant, Serial No. 331,542, filed January 10, 1929; Lee S. Chadwick et al., Serial No. 478,140, filed August 27, 1930; Reginald W. Beckett, Serial No. 474,523, filed August 11, 1930; Elliot D. Harrington, Serial No. 393,028, filed September 16, 1929; and that the parties Chadwick et al. and Harrington moved to dissolve the interference on the ground that the count there involved was not patentable over the prior art.

The motion to dissolve the interference was sustained by the Examiner of Interferences, and, on appeal, the Board of Appeals affirmed the decision of the examiner on the ground that it did not involve invention, in view of the patents to Warrick, Darrah, Montsinger, Van Slyck, and the Swiss patent, supra, to provide a constant current transformer in an electrical ignition system for use in fluid fuel burners. In its decision, the board, among other things, said:

It is urged by McCabe that no reference discloses the use of a constant current transformer in an ignition system and that it has great advantage in this use since the voltage of the alternating current lines varies widely in different localities. When a constant current transformer is used, the current in the secondary circuit remains substantially constant in value notwithstanding such fluctuations in voltage in the primary circuit and consequently the ignition coil is always properly heated and at the same time protected from excessive currents which would cause it to burn out. It is McCabe's view that since no one prior to the applicants of the instant proceeding thought of the use of a constant current transformer for this purpose, such use was unobvious and amounted to invention.

On the other hand it is the position of the Examiner and of the party Chadwick et al. that the very purpose of using a constant current transformer in any system is to insure substantially constant current in the secondary current notwithstanding variations in voltage in the primary. The filament, for instance, of Darrah's lamp 9 corresponds quite closely to the ignition coil 11 in Warrick. If the current in the secondary 8 is permitted to fluctuate to a considerable extent, it may become so low as to improperly heat the filament for its intended purpose or it may become so high as to cause the filament to burn out. We believe the substitution of a constant current transformer for Warrick's transformer 13 amounts to no more than an obvious selection of the desired type of transformer with its known advantages.

Subsequent to the dissolution of the involved interference, the appealed claims were prosecuted *ex parte* by appellant. Claims 1, 2, and 3 were rejected by the Primary Examiner for the reasons assigned by the Board of Appeals in its decision in the interference proceeding, in which claim 2 was held unpatentable over the prior art cited. Appealed claims 6 and 7 were rejected for the same reasons, in view of the reference patent to Booth.

We deem it unnecessary to describe in detail the disclosures of the references. It is sufficient to say that they disclose the use of constant current transformers of the type employed by appellant; for example, as stated in the patent to Darrah,

"a distributing system by means of which a direct-current circuit that is subject to a wide range of voltage fluctuations, such as a trolley circuit, may be utilized to furnish an electromotive force of constant value to a lighting circuit comprising incandescent lamps."

Therefore, the real issue in the case is whether the use of a constant current transformer in an electrical ignition device, of the type claimed by appellant, involves invention, in view of the fact that it was old to use such transformers in the electrical art in order to secure an electric current of constant value in the secondary circuit, regardless of fluctuations in the voltage in the primary circuit.

It may be conceded that appellant's device is a meritorious one, and that it is commercially successful. Nevertheless, there is absolutely nothing in the

record to indicate that the use of a constant current transformer in an electrical ignition device, of the type claimed by appellant, was not obvious to one skilled in the art.

Had the record disclosed that the problem, if it may be so denominated, confronting appellant and those skilled in the art had *actually remained unsolved* over a protracted period of time, it might be argued with some plausibility that the use of a constant current transformer in an electrical ignition device for fluid fuel burners, for the purposes set forth in appellant's specification, involved invention. However, under the facts of record, we are unable to hold that the tribunals of the Patent Office reached the wrong conclusion. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BRASHARES

No. 3,365. Decided January 28, 1935

[74 F.(2d) 751]

PATENTABILITY—ESTOPPEL.

Where, during the pendency of the B. application, an application of his co-assignor was involved in interference with an application of P. but no motion was made to have an interference declared between the application of B. and the application of P. *Held* that B. is estopped to make claims copied from the patent to P. issued after the termination of the interference.

APPEAL from the Patent Office. Affirmed.

Mr. Richard Eyre, Mr. A. L. Vencill, and *Mr. R. H. Wood* for Brashares.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner holding appellant to be estopped, because of non-compliance with Patent Office Rule 109, from making certain claims inserted in his application for the purpose of bringing about an interference proceeding between it and a patent, No. 1,854,602 issued April 19, 1932, to Charles W. Prescott, assignor to General Railway Signal Company (hereinafter referred to as the General Company) upon an application filed April 16, 1925.

The application of appellant was filed March 3, 1924. Subsequently it was assigned to the Union Switch & Signal Company (hereinafter referred to as the Union Company), the assignment being recorded in the Patent Office, according to the Examiner's statement, October 17, 1927. The claims here at issue were inserted in the application on August 12, 1932.

The subject matter relates to the control of a railway siding switch. In view of the limited issue before us, it is unnecessary to describe the device in detail. There are three claims, No. 50 being the one copied literally from the Prescott patent where it appeared as claim 23. It reads:

50. In combination with a power operated switch machine, manually actuable means for setting the switch machine in one position, and means for automatically returning the switch machine to the other position requiring the occupancy and the subsequent vacancy of a given section of trackway, and manually operable release means for permitting the automatic return of the switch machine to the other position regardless of occupancy and vacancy of the section of trackway.

Claims 51 and 52 contain certain limitations and are stated to be generally similar to Prescott's claim No. 16. It is agreed that all the claims, so far as the issue before us is concerned, are in the same category.

The statement of the Examiner contains the following recital of facts:

The Prescott patent above referred to was during its pendency in the Patent Office as an application (Serial No. 23,543), involved in Interference No. 57784, *Shaver* v. *Prescott* v. *Padmore*, declared January 19, 1929. That interference also involved an application of Bertram R. Padmore, Serial No. 658,540, which had been assigned to the Union Switch and Signal Company by an assignment recorded August 29, 1925. The present Brashares' application, now before your Honors, was also owned by the Union Switch and Signal Company, by reason of mesne assignments, recorded October 17, 1927. Thus, during the motion period in Interference No. 57784, the assignee of the present Brashares' application had access to the Prescott application and could have moved to have an interference declared between Prescott and Brashares. The very claim upon which interference is now sought was then standing allowed in the Prescott application as claim 29 (Paper No. 5 of the Prescott patent file; the claim was later renumbered 23 in the patent).

However, the common assignee failed to bring such a motion, and on May 8, 1930, the interference was dissolved on the ground that the single count thereof was unpatentable over prior art. Subsequently, the Prescott application matured into patent, No. 1,854,602, granted April 19, 1932.

Following the foregoing recital, the Examiner cited authorities in support of the application of the doctrine of estoppel.

In its discussion of the case, the Board of Appeals said, *inter alia:*

• • • Appellant in effect urges that a holding of estoppel is discretionary with the officials of this Office and that, when there is sufficient reason to excuse the failure to bring a motion under Rule 109, it is proper to permit the declaration of another interference. Appellant states that companies owning large numbers of applications relating to the same general subject matter find it almost impossible to be sure that matters are not overlooked during interference proceedings and that therefore it is unreasonable for the Office to insist on a hard and fast rule in all cases.

• • • • • •

It is our opinion, to accept the excuse of ignorance as a reason for declaring a second interference would practically nullify the rule which has been followed and which it is believed is very essential to a proper interference practice. We appreciate the great difficulties that must exist under the conditions referred to by appellant but we do not consider that that justifies the breaking down of a necessary rule.

The pertinent portions of rule 109 read as follows:

An applicant involved in an interference may, at any time within thirty days after the preliminary statements (referred to in rule 110) of the parties have been received and approved, on motion duly made, as provided by rule 133, file an amendment to his application containing any claims which in his opinion should be made the basis of interference between himself and any of the other parties. Such motion must be accompanied by the proposed amendment, and when in proper form will be set for hearing before the law examiner. Where a party opposes the admission of such an amendment in view of prior patents or publications, full notice of such patents or publications must be given at least five days prior to the date of hearing. On the admission of such amendment and the adoption of the claims by the other parties within a time specified by the law examiner the primary examiner shall redeclare the interference or shall declare such other interferences as may be necessary to include the said claims.

• • • • • •

Any party to an interference may bring a motion to put in interference any claims already in his application or patent which in his opinion should be made the basis of interference between himself and any of the other parties. Any party to an interference may bring a motion to substitute any other application owned by him, as to the existing issue, or to include an application or a patent owned by him, as to claims which he deems should be made the basis of interference between himself and any of the other parties. Such motions are subject to the same conditions, and the procedure in connection therewith is the same, as far as applicable, as hereinabove set forth for motions to amend.

Appellant has assigned numerous reasons of appeal, all of which are covered, in susbtance, by his contentions under two "Points of Argument," stated in the brief as follows:

I. Under the special circumstances of this case, Union Company should not be held to be estopped, because it is without fault, and because its adversary is not an innocent party that should be protected.

II. Estoppel cannot be created against an assignee on the ground of its failure to move under rule 109 to insert a claim for subject-matter which is not disclosed in said assignee's interfering application.

Upon what were deemed by this court to be apposite and controlling authorities, as well as upon reason, we have more than once affirmed proceedings of the Patent Office under rule 109, supra, thus indicating our belief in the validity of the rule itself, and of the reasonableness of its application under the facts which the cases then before us presented.

We first had occasion to pass upon it in the case of *In re Austin*, 17 C. C. P. A. (Patents) 1202, 40 F. (2d) 756, 399 O. G. 625. This case is quoted from in the statement of the Examiner.

The adjudication there actually made, having any pertinence here, was that the assignee of a sole application and a joint application (the sole application being in the name of one of the parties to the joint application) both of which disclosed subject matter, with claim therefor, involved in an interference declared only between the joint application and a third party, should have presented the pertinent subject matter of the sole application, under the rule, and that having failed so to do, the tribunals of the Patent Office were correct in holding that assignee was estopped, in an *ex parte* proceeding, from making such claims of the sole application as could have been presented for a determination of priority in the interference.

It is to be borne in mind that the two claims of the sole application to which the doctrine of estoppel was applied in that decision had been present in the sole application during the pendency of the interference. So, that case differed from the case at bar to the extent that the sole application there contained actual claims, while the Brashares application here involved contained only disclosures upon which claims might have been but were not drawn during the pendency of the interference.

The doctrine of the foregoing case was followed by us, but not extended in the cases of *In re Ellis et al.*, 18 C. C. P. A. (Patents) 1060, 47 F. (2d) 903, 409 O. G. 559; *In re Krauch et al.*, 19 C. C. P. A. (Patents) 1003, 56 F. (2d) 290, 419 O. G. 825, and *In re Louis Boudin*, 19 C. C. P. A. (Patents) 1187, 58 F. (2d) 448, 422 O. G. 610.

All the foregoing cases contain citations from decisions of other courts, particularly the Court of Appeals of the District of Columbia, our predecessor in patent jurisdiction.

In the case of *In re Shimer*, 21 C. C. P. A. (Patents) 979, 69 F. (2d) 556, 446 O. G. 5, the rule was applied under a somewhat different state of facts.

Of our findings there, the brief of appellant says:

• • • [those findings] have perhaps gone as far as this or any court has ever gone in approving the Patent Office in its applications of this doctrine of estoppel.

In that case the application involved was the same application which had been in an interference in which the party, Shimer, had seen applications of his opponents which disclosed, but, apparently, did not claim, the subject-matter of certain of the claims he was seeking to make in the *ex parte* proceeding. The tribunals of the Patent Office held that to allow such claims to be made would be to—

"provide grounds for a new interference involving an application with which the applicant has already been involved in interference,"

and this court affirmed that view.

A difference between the *Shimer* case, supra, and the case at bar is that the Brashares application, the only application belonging to the General Company in which the here involved claims could have been made, was never in interference with the Prescott application.

Careful consideration has been given to contentions made on behalf of appellant, and the authorities cited in support of same, but we are unable to discern any distinction in principle between the situation existing here and that which existed in the several cases above noted in which the application of the doctrine of estoppel by the tribunals of the Patent Office was sustained, nor do we think the facts of this case are analogous to those which existed in the case of *In re Chase*, 21 C. C. P. A. (Patents) 1183, 71 F. (2d) 178, 447 O. G. 997.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MCCABE

No. 3,374. Decided January 28, 1935

[74 F.(2d) 758]

PATENTABILITY—ELECTRIC MERCURY TUBE SWITCH.

Certain claims for an electric mercury tube switch *Held* unpatentable in view of the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Langdon Moore and *Mr. James Atkins* for McCabe.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office upon two claims of an application for patent relating to electric mercury tube switches.

As finally acted upon by the Examiner, the application contained four claims, numbered respectively, 6, 7, 8, and 9, and all were held by the Examiner to be unpatentable in view of prior art. Upon appeal the Board of Appeals reversed the Examiner's decision as to claims 6 and 8, but affirmed his rejection of claims 7 and 9. Appellant thereupon appealed to this court from so much of the Board's decision as affirmed the Examiner's rejection.

The rejected claims read as follows:

7. An electric mercury tube switch including a cylindrical container having a tipless closure at one end and having a projecting filling stem with electrodes projecting on each side thereof sealed in the other end with flexible lead wires attached to the projecting electrodes through

out the external portions thereof, the filling stem tipped in line with the termination of the respective electrodes, and means surrounding the electrodes with the attached flexible lead wires, interposed rigid filling stem and end of the tube seal to impart rigidity to the exterior portions of the electrodes to allow the flexing of the lead wires above the ends of the electrodes without exerting a strain on the electrodes.

9. An electric mercury tube switch including a cylindrical glass container formed with a normally integral closure at one end, a filling stem in the axis of the container and a plurality of leading in wires equidistant from the filling stem sealed in the material of the container at the other end, spaced apart electrodes secured to the respective spaced apart leading in wires, and a relatively heavy body of mercury in relation to the weight of the container adapted to flow within the container to make and break an electrical circuit between said electrodes, said leading in wires of relatively heavy material to carry current of high intensity and said filling stem tipped on the exterior of the sealed end closure.

Nine references were cited as follows: Piffard, 467,982, February 2, 1892; Whipple, 728,060, May 12, 1903; Housekeeper, 1,271,320, July 2, 1918; Phelan, 1,598,874, September 7, 1926; Walker, 1,607,582, November 16, 1926; Armstrong et al., 1,640,869, August 30, 1927; Laskey, 1,647,999, November 8, 1927; Walker, 1,721,757, July 23, 1929; Phelan et al., 1,826,570, October 6, 1931.

It is not deemed essential to set forth in detail the disclosures of the many references cited. Certain of them refer to mercury tube switches while others are in what is designated by the Board of Appeals as the "lamp art."

The specific structure upon which all of appellant's claims are based is that of a tube having a tipless closure at one end, and at the other end a projecting stem, through which the tube is filled with the desired elements, said filling stem located between two electrodes and having leading in wires (that is wires leading to the electrodes) on each of its sides, said leading in wires being sealed into that end of the tube through which the filling stem projects. There are also flexible lead wires attached to the aforesaid leading in wires, and, in one of the forms shown, bands of insulating material bind all the leads to the electrodes and to the rigid filling stem. By this arrangement, the Board says:

> • • • the lead wires may be flexed without imparting a strain upon the projecting electrodes.

In denying claims 7 and 9 the Board of Appeals correctly pointed out that the patents to Armstrong et al. and Phelan et al. both show means for supporting electrodes in position to cause the flexing of the conductor to occur beyond the joint of connection between electrode and conductor; that the patent to Piffard discloses a sheath for holding the filaments and the electrodes in position with respect to each other, but not with respect to the filling stem because the latter is located at the other end of the tube; that Laskey, whose patent relates to a switch board lamp tube, shows a tube tipless at one end and having a filling stem positioned between electrodes at the other end.

The Board then says:

> • • • While this is disclosed in the lamp art it shows the organization broadly and it is believed that claims such as 7 and 9 which merely recite the combination of the filling stem located between the electrodes *without using the stem to support the electrodes against flexing or bending due to pull on the conductors* does not amount to a patentable combination, especially since the organization is old in the lamp art as indicated generally by the Laskey and Piffard patents. [Italics ours.]

One argument presented on behalf of appellant is to the effect that there is no substantial distinction in principle between the allowed claims and those which were rejected, this being particularly urged as to appealed claim 7, supra. Appellant's brief quotes from the decision of the Board respecting the allowed claims as follows:

> Claims 6 and 8 are limited to means for connecting the flexible lead wires and electrodes to the filling stem and as limited in claim 8 to the lead wires surrounding the electrodes and filling the space between the electrodes and the filling stem so that the surrounding means serves to connect the leads and electrodes to the filling stem to thereby impart rigidity to the parts projecting from the sealed end of the tube. These two claims do not appear to be met in the patents or in any combination thereof and in our view are patentable over the references.

The brief then adds:

> It is submitted that the diction above quoted from the decision of the Board reads just as well upon claim 7 as upon the claims referred to therein by the Board.

It must be conceded, we think, that the distinction between the allowed claims and the rejected claims is not expressed by the Board with entire clearness, but, even were they identical in meaning, it would not necessarily follow that the rejected claims should, for that reason, be allowed. It might indeed be argued that if the rejected claims were properly rejected, then the others, if they are the same, should also have been rejected, but we are not concerned with the allowed claims.

However, we think the Board has indicated its idea of the distinction in the italicized clause of the quotation from its decision respecting the rejected claims, supra, that is, the feature of "using the stem to support the electrodes against flexing or bending due to pull on the conductors."

As we understand the Board's decision, it was held that such feature was present in the allowed claims, 6 and 8, and that, same not being shown by the prior art, they were properly allowable, but that not being present in the rejected claims and the other features thereof being anticipated, the latter were not patentable.

In other words, the Board seems to have made itself more clear as to the feature which rendered the allowed claims patentable by its negative statement in the discussion of the rejected claims than by its affirmative statement relating to those allowed.

It may be said, incidentally, that even if there be no distinction in fact, appellant would not suffer by a failure to have the rejected claims allowed, since his rights are protected by those which are allowed, and the rejection of the others would not constitute reversible error. *In re Randell*, 21 C. C. P. A. (Patents) 745, 67 F.(2d) 931, 439 O. G. 544.

We think the issue before us must be determined not by comparing the rejected claims with the allowed claims for points of similarity or dissimilarity, but by a comparison of them with the prior art cited.

When so compared, the several features of the combination seem to us to be shown in the prior art substantially as applicant combines them, as pointed out by the Board, and we are unable to concur in the contention made on behalf of appellant as to certain of these features being shown in a "nonanalogous" art. It is true that the features so referred to appeared, as the Board says, in the "lamp art," but they relate specifically to the location and sealing of elements designed for the conduction of electric current into glass tubes, or the like, and their functions and purposes in this respect in the art cited are practically identical with the functions and purposes of the like features involved in the appealed claims.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MARINE F. WRIGHT

No. 3,405. Decided February 4, 1935

[74 F.(2d) 996]

1. INTERFERENCE — PRIORITY — APPEAL — WHAT MAY BE CONSIDERED.

In an appeal to this Court from a decision on priority "we are not at liberty to inquire whether the interpretation given a count by the Patent Office renders the count unpatentable over the prior art."

2. SAME—SAME—RIGHT TO MAKE THE CLAIM.

Record reviewed and *Held* that W., the senior party, has a right to make the claim and no testimony having been presented, priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Richard M. Marine, pro se.

Mr. Charles M. Thomas, Mr. Francis D. Thomas, and *Mr. Marcus Lothrop* for Wright.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner of Interferences, awarding priority of invention to appellee in an interference proceeding between the parties hereto.

There is but one count involved, which reads as follows:

> In a vehicle construction in combination, a body post provided with a front face substantially in alignment with the driver's forward line of vision past said post, and a windshield end frame member having a front face normally in substantial alignment with the front face of said body post.

The interference arises between an application of appellant filed March 31, 1928, Serial No. 266,340, and an application of appellee filed March 1, 1926, Serial No. 91,322; appellee is therefore the senior party.

Originally there were additional parties to the interference, but apparently they were eliminated in proceedings not shown in the record before us, and the only parties now concerned in the interference are appellant and appellee.

The parties hereto filed preliminary statements, appellant alleging conception of the invention and disclosure to others in January, 1926. Appellee alleged conception of the invention on or about December 15, 1924, and disclosure to others on or about December 28, 1924.

No testimony was taken by either party, but appellant moved to dissolve the interference upon the ground that appellee had no right to make the claim corresponding to the count here involved, alleging that appellee's application failed to disclose the invention embraced in the count and further contending that if the count be construed to read upon appellee's disclosure, it is unpatentable over the prior art. This motion was denied. Appellant entered a motion for rehearing, which was denied in a decision by the Examiner again holding that appellee could make the claim corresponding to the count.

The case then went to final hearing upon the record. The Examiner of Interferences again held that appellee had the right to make the claim corresponding to the count here involved, and declined to consider the question of patentability of the claim with respect to the prior art. He therefore awarded priority of invention to appellee, he being the senior party.

Upon appeal, the Board of Appeals affirmed the decision of the Examiner of Interferences, expressly holding that appellee had the right to make a claim corresponding to the count. No mention is made in the Board's decision with respect to the patentability of the count over the prior art. Appellant's notice of appeal from the decision of the Examiner of Interferences to the Board of Appeals does not appear in the record, and therefore we cannot say whether the question of the refusal of the Examiner of Interferences to consider the patentability of the count as construed by him was assigned as one of appellant's reasons of appeal.

After the decision of the Board, appellant filed a motion for rehearing; said motion was denied, the Board again affirming the right of appellee to make the claim. Thereupon appellant filed notice of appeal to this court.

[1] There is only one question before us, viz., the right of appellee to make the claim corresponding to the count here in issue. While appellant in his reasons for appeal assigns error by the Board in refusing to consider prior art in determining the scope of the claim, that question can not be considered by us. It is well established that we are not at liberty in a proceeding of this character to inquire whether the interpretation given a count by the Patent Office tribunals renders the count unpatentable over the prior art. *Marshall and Levandosky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495, and cases therein cited.

As indicated by the count, the invention embraced therein relates to the special construction of a body post, or corner post, adjacent to the windshield of a closed automobile, the particular construction involved being the location of its front face with respect to the line of vision of the driver. Corner posts or pillars are provided having sufficient strength and rigidity to support the roof of the body without obscuring the vision of the driver. To accomplish this, the corner posts are elongated in cross section and positioned at an angle in the line of vision of the driver, thus eliminating "blind spots."

The count before us does not embrace the entire post, but only the front face thereof and the front face of the windshield end frame member.

The controverted question before us is, does the application of appellee disclose a body post or pillar provided with a front face substantially in alignment

with the driver's forward line of vision past said post, as called for by the count?

It is so well established as not to require citation of authority that concurring decisions of the Patent Office tribunals upon questions of fact will not be reversed by us unless manifestly wrong. One Examiner of Interferences, in two decisions, affirmed the right of appellee to make the claim. Another Examiner of Interferences, upon final hearing, affirmed appellee's right to make the claim, and the Board of Appeals in two decisions affirmed such right. We therefore have before us five decisions of Patent Office tribunals affirming appellee's right to make the claim and we would not be warranted in reversing such finding unless it is manifest that said tribunals were wrong.

Appellee's disclosure consists of his written specification and two drawings, Figures 1 and 2. Figure 1 is described as a plan view of the automobile with the vision lines indicated thereon. There is apparently no attempt to show structural details of the post in Figure 1. Figure 2 is described as showing the form of the front pillar or post and fragments of vision lines. This drawing shows the parts in detail and can readily be understood.

It is appellant's contention that the disclosure of Figure 2 is inconsistent with the disclosure of Figure 1; that, insofar as Figure 2 does disclose the invention here in issue it is due wholly to errors of the draftsman, and that the showing is accidental and not in accord with, but contrary to, the terms of the written specification.

There does seem to be some inconsistency between appellee's Figures 1 and 2 as indicated by the projected lines of vision. The Examiner of Interferences suggested that it probably was the intention to represent in the two figures two different types of posts. Appellant vigorously contests this suggestion and points to provisions in appellee's specification indicating he had only one form of structure in mind.

However, the tribunals of the Patent Office held that Figure 2, showing the detailed construction of the pillar or post, discloses a front face in substantial alignment with the driver's line of vision, that certain recitals in the specification support the disclosure of Figure 2, and that, considering Figure 2 in connection with such recitals, appellee's application discloses the invention here involved.

It would be difficult to describe intelligibly the particular features of appellee's Figures 1 and 2 which are in controversy without the reproduction of such drawings, and we do not deem it necessary to do so. Appellant's contention is based principally upon differences in the "geometrical" angles shown in the respective drawings and referred to in the specification.

Appellant has very ably and earnestly pressed his contention upon us, both in his brief and upon oral argument; but, upon a study of the drawings and recitals in the specification of appellee relating thereto, relied upon by the Patent Office tribunals, we are not convinced that said tribunals were manifestly wrong in their conclusions that appellee's application discloses the invention here involved. This being our conclusion, we deem it unnecessary to amplify this opinion.

[2] Certain it is that the applications of both parties hereto were directed to the solution of a single problem, and we are of the opinion that appellee's Figure 2 discloses substantially the same solution of the problem as is disclosed by appellant, so far as the front face of the post is concerned. The only way by which the force and effect of Figure 2 as disclosing the invention may be avoided is by holding that the figure does not represent appellee's inventive idea, but is the result of errors of the draftsman. In view of the unanimous holdings of the Patent Office tribunals that Figure 2 of appellee does properly disclose the invention here involved, taken in connection with recitals in the specification, we are unable to find error in the decision of the Board of Appeals.

We may add that the second element of the count, viz.,

"• • • a windshield end frame member having a front face normally in substantial alignment with the front face of said body post,"

is clearly disclosed by appellee.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb 18, 1922]

1,125,476, G. Claude, System of illuminating by luminescent tubes, C. C. A., 6th Cir., Doc. 6845, *W. E. Telling et al.* v. *The Bellows-Claude Neon Co.* Decree affirmed May 7, 1935.

1,262,860, S. B. Smith, Incubator, D. C. Del., Doc. E 1107, *S. B. Smith* v. *H. E. Williams et al.* Dismissed Apr. 12,1935. Same, filed Mar. 11, 1935, D. C. Nebr. (Norfolk), Doc. E 279, *S. B. Smith* v. *H. J. Cahill.* Same, filed Apr. 2, 1935, D. C. Nebr. (Norfolk), Doc. E 285, *S. B. Smith* v. *P. A. Raasch.* Doc. E 286, *S. B. Smith* v *A. Lundstrom et al.* Doc. E 287, *S. B. Smith* v. *E. Egan et al.* Same, filed Feb. 5, 1935, D. C., S. D. Ind. (Indianapolis). Doc. 1620, *S. B. Smith* v. *H. K. Cook.* Same, D. C., S. D. Ind. (Indianapolis), Doc. 1633, *S. B. Smith* v. *S. M. Smyth.* Dismissed Mar. 13, 1935. Doc. 1634, *S. B. Smith* v. *E. E. Clore.* Dismissed without prejudice Mar. 23, 1935. Doc. 1635, *S. B. Smith* v. *H. C. Brown.* Dismissed Mar. 13, 1935. Same, filed Mar. 4, 1935, D. C., S. D. Ind. (Indianapolis), Doc. 1636, *S. B. Smith* v. *M. Anderson.* Same, filed Mar. 18, 1935, D. C., S. D. Ind. (Indianapolis), Doc. 1642, *S. B. Smith* v. *Globe American Corp et al.* Doc. 1643, *S. B. Smith* v. *The Oakes Mfg. Co.* Same, filed Mar. 25, 1935, D. C., S. D. Ind. (Indianapolis), Doc. 1645, *S. B. Smith* v. *D. C. Layton.* Doc. 1646, *S. B. Smith* v. *Decatur County Co-Operative Co.* Same, D. C., W. D. Okla. (Oklahoma City), Doc. E 1628, *S. B. Smith* v. *R. W. Hankins.* Claim 1 held valid May 2, 1935. Same, filed Mar. 30, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 623–J, *S. B. Smith* v. *J. R. Van Valen.* Dismissed without prejudice Apr. 80, 1935. Doc. E 626–H, *S. B. Smith* v. *J. P. Milligan.* Dismissed May 1, 1935. Doc. E D–98, *S. B. Smith* v. *J. D. Hunter et al.* (*Hunter Bros.*). Dismissed without prejudice Apr. 30, 1935. Doc. E 492, *S. B. Smith* v. *W. G. Lewis.* Dismissed (notice May 6, 1935). Same, filed Feb. 8, 1935, D. C., M. D. Pa., Doc. 1142, *S. B. Smith* v. *C. Y. Hake.* Same, filed Mar. 27, 1935, D. C., W. D. Mo. (Kansas City), Doc. 2705, *S. B. Smith* v. *C. Brubaker.* Same, filed Mar. 21, 1935, D. C. Nebr. (Grand Island), Doc. E 336, *S. B. Smith* v. *Pazderka.* Doc. E 337, *S. B. Smith* v. *C. H. Pearson.* Doc. E 338, *S. B. Smith* v. *J. O. Pierce.* Same, D. C. Ind. (Terre Haute), Doc. E 149, *S. B. Smith* v. *C. W. Johnson.* Patent held valid Apr. 26, 1935. Same, D. C., E. D. Wis. (Milwaukee), Doc. 4387, *S. B. Smith* v. *F. J. Le Mieux.* Claim 1 held valid and infringed May 14, 1935.

1,314,867, C. B. Gray, Power transmitting mechanism, filed Apr. 17, 1935, D. C., E. D. Pa., Doc. 8621, *C. B. Gray* v. *Eastman Kodak Stores, Inc., et al.*

1,324,654, D. Ferguson, Hose coupling, filed May 4, 1935, D. C., S. D. Ohio, E. Div., Doc. 5214, *A. T. Scheiwer et al.* v. *The Cleveland Pneumatic Tool Co.*

1,326,153, W. J. Fleming, Buckle support, D. C., S. D. N. Y., Doc. E 70/177, *H. Goodman & Sons, Inc., et al.* v. *M. Sonshine, Inc.* Dismissed on merits (notice May 2, 1935).

1,371,015, C. Amiquet, Lighting fixture, D. C., W. D. Mo. (Kansas City), Doc. 2235, *The Miller Co. et al.* v. *The Bailey-Reynolds Chandelier Co.* Decree for plaintiff Apr. 29, 1935. Doc. 2236, *The Miller Co. et al.* v. *Jenkins Music Co.* Decree as above.

1,405,523, M. C. Latour, Audion or lamp relay or amplifying apparatus, filed May 4, 1935, D. C., S. D. N. Y., Doc. E 80/191, *Latour Corp.* v. *Sears, Roebuck & Co., Inc.*

1,436,459, J. Reece, Seat cover, filed May 3, 1935, D. C., E. D. N. Y., Doc. E 7611, *Ever-Klean Seat Pad Co.* v. *Hillside Tire & Rubber Co., Inc.* Doc. E 7487, *Ever-Klean Seat Pad Co.* v. *Adlers Auto Supply, Inc.* Consent decree for plaintiff May 9, 1935.

1,512,888, L. Haft, Lighting set, C. C. A., 2d Cir., Doc. 13955, *Noma Electric Corp.* v. *L. Pollock Corp.* Decree modified (notice May 6, 1935).

1,526,982, E. W. Hill, Stencil sheet, filed May 13, 1935, D. C., E. D. Pa., Doc. 8665, *A. B. Dick Co.* v. *T. J. Murphy.*

1,530,521, J. C. Robinson, Nut guard, filed Apr. 5, 1935, D. C., N. D. Ill., E. Div., Doc. 14397, *Oakes Products Corp.* v. *Harbick Lock & Mfg. Co.*

1,562,787, I. M. Petersime, Incubator, D. C., N. D. Ohio, W. Div., Doc. E 1424, *The Petersime Incubator Co.* v. *G. M. Glaser.* Patent held valid and infringed Apr. 26, 1935.

1,572,052, Trout & Butler, Casing heads, filed Apr. 16, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 645–H, *Trobas, Inc.*, v. *Lyons Supply Co.*

1,610,297, R. C. Hackley, Concrete gun, filed Apr. 24, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 655–H, *R. C. Hackley* v. *Pressed & Welded Products Co. et al.*

1,620,244, F. E. Swope, Jr., Variable condenser, D. C., E. D. N. Y., Doc. E 7435, *Radio Condenser Co.* v. *Federal Instrument Corp.* Consent decree for plaintiff Apr. 23, 1935.

1,628,910, Prouty & Prouty, Ceramic process and product, filed Apr. 16, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 646–H, *American Encaustic Tiling Co., Ltd., et al.* v. *Pacific Tile & Porcelain Co. et al.*

1,630,934, G. B. Geiser, Support for gutter hanger circle, D. C., E. D. Pa., Doc. 4921, *Berger Bros., Co.* v. *L. D. Berger.* Dismissed without prejudice May 7, 1935.

1,643,159, S. Greenberg, Child's overcoat, filed Apr. 24, 1935, D. C., S. D. N. Y., Doc. E 80/171, *L. Greenberg & Bro., Inc.*, v. *Warsaw Bros. et al.*

1,655,391, K. E. Peiler, Method of and apparatus for feeding molten glass, filed Mar. 26, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 616–C, *Hartford Empire Co.* v. *McLaughlin Glass Co.*

1,658,421, W. G. Stuck, Rail brake for railway cars, filed May 9, 1935, D. C., N. D. N. Y. (Utica), Doc. 2891, *The Cincinnati Traction Building Co.* v. *General Electric Co.*

1,687,013, O. A. Frederickson, Armored electric cable, suit for declaratory judgment, filed Apr. 11, 1935, D. C. Del., Doc. E 1110, *Eastern Tube & Tool Co., Inc.*, v. *National Electric Products Corp.* Doc. E 1111, *Triangle Conduit & Cable Co., Inc.*, v. *National Electric Products Corp.*

1,694,516, A. T. Prescott, Ferry bridge, D. C., S. D. N. Y., Doc. E 66/257, *J. E. Ogden Co.* v. *S. D. Hoffman et al.* Dismissed as to Hoffman & Columbia Engineering & Contracting Co. (notice Apr. 20, 1935).

1,713,726, H. Vogt et al., Device for phonographs with linear phonogram carriers, D. C. Del., Doc. E 923, *American Tri-Ergon Corp et al.* v. *Electrical Research Products, Inc.* Doc. E 924, *American Tri-Ergon Corp. et al.* v. *R. C. A. Photophone, Inc.* Dismissed Apr. 24, 1935, in each of above cases. Doc. E 1081, *American Tri-Ergon Corp. et al.* v. *Loew's, Inc., et al.* Doc. E 1082, *American Tri-Ergon Corp. et al.* v. *Warner Bros. Pictures, Inc.* Dismissed Apr. 26, 1935, in each of above cases.

1,718,554, J. E. Greensmith, Hydraulic grinder, D. C., M. D. Pa. (Scranton), Doc. 1134, *Boston Scale & Machine Co.* v. *Landis Tool Co.* Dismissed May 8, 1935.

1,763,633, N. L. Simmons, Process of making whey products, filed May 6, 1935, D. C. Nebr. (Lincoln), Doc. E 513, *Kraft-Phenix Cheese Corp.* v. *Roberts Dairy Co.*

1,787,098, N. Wolff, Union suit, D. C., E. D. N. Y., Doc. E. 7386, *N. Wolff et al.* v. *F. Loeser & Co., Inc.* Decree pro confesso May 6, 1935.

1,798,962, C. E. Trube, Electric coupling system, filed May 4, 1935, D. C., S. D. N. Y., Doc. E 80/196, *Hazeltine Corp.* v. *Chevrolet Motor Co. et al.*

1,830,893, S. P. Tschappat, Tubing hanger, filed April 29, 1935, D. C., N. D. Okla. (Tulsa), Doc. E 1032, *S. P. Tschappat et al.* v. *Hinderliter Tool Co.*

1,838,684, W. M. Jones, Air conditioning apparatus, D. C., N. D. Ohio, E. Div., Doc. 5102, *W. M. Jones et al.* v. *S. Ballonoff et al.* Dismissed without prejudice as to Porcelain Products, Inc., Feb. 2, 1935. Consent decree holding patent valid and infringed April 29, 1935.

1,840,432, P. H. Bray, Pump, D. C., S. D. Calif. (Los Angeles), Doc. E X–50–J, *P. H. Bray et al.* v. *Hofco Pump Ltd. et al.* Claim 1 held void, claims 2 and 3 held valid but not infringed; bill dismissed April 23, 1935.

1,893,738, L. Goodman, Grease gun, filed April 19, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3867–L, *State Holding Co., Inc.*, v. *General Petroleum Co.*

1,912,539, R. C. Paul, Stocking foot, filed April 29, 1935, D. C., E. D. Pa., Doc. 8643, *R. Paul, Inc.*, v. *Wallace Wilson Hosiery Co.*

1,913,604, W. A. MacDonald, Wave signaling system, filed May 4, 1935, D. C., S. D. N. Y., Doc. E 80/194, *Hazeltine Corp.* v. *Sears, Roebuck & Co., Inc., et al.*

1,926,652, R. S. Rosenfeld, Timed defrosting mechanism, filed May 1, 1935, D. C., E. D. N. Y., Doc. E 7608, *Tyme Defrost Co., Inc.*, v. *Bushwick-McPhilbin Corp. et al.*

1,930,899, P. Kollsman, Aneroid and operating means therefor, filed May 10, 1935, U. S. Crt. of Claims, Doc. 43,006, *P. Kollsman* v. *U. S.*

1,946,556, J. P. Wels, Trimming machine, filed May 2, 1935, D. C. Pa., Doc. 8659, *Metropolitan Sewing Machine Corp* v. *A. Spielman & Sons, Inc., et al.*

1,959,032, W. R. McGowen, Swing, filed April 2, 1935, D. C., N. D. Ill., E. Div., Doc. 14,391, *The McKay Co.* v. *Royal Metal Mfg. Co.*

1,964,296, L. C. Moeckel, Spring bed bottom, filed April 25, 1935, D. C., E. D. N. Y., Doc. E 7601, *Greenpoint Metallic Bed Co., Inc.*, v. *A. Sokoloff et al.*

1,966,691, Shapiro & Joffe, Transmission apparatus, D. C., E. D. N. Y., Doc. E 7375, *H. Shapiro et al.* v. *J. Tannone et al.* Decree for plaintiff May 4, 1935.

1,966,973, J. Siegel, Garment, filed Apr. 30, 1935, D. C., E. D. Mich. (Detroit), Doc. 6956, *American Lady Corset Co., Inc.*, v. *Crowley, Milner & Co.*

1,973,815, Kirk & Collison, Game apparatus, filed April 12, 1935, D. C., N. D. Ill., E. Div., Doc. 14,407, *Standard Ticket Games Corp.* v. *Stoner Mfg. Corp.*

1,994,961, J. J. Proskauer, Advertising device, filed April 26, 1935, D. C., S. D. N. Y., Doc. E 80/180, *W. C. Popper & Co.* v. *Schenley Products Co., Inc., et al.*

1,995,187, Lind & Feigenbaum, Collar neckband, or other garment part, filed April 23, 1935, D. C., S. D. N. Y., Doc. E 80/159, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Roggen Bros. & Co., Inc.* Doc. E 80/160, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Dressicell Shirts, Inc.* Doc. E 80/161, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Beaver Mfg. Co., Inc.* Doc E 80/162, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Eclipse Needles Co.* Doc. E 80/163, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Apex Shirt Trimming Co., Inc.* Doc. E 80/164, *Acro Neck-Band & Collar Co., Inc., et al.* v. *H. Heller.* Doc. E 80/165, *Acro Neck-Band & Collar Co., Inc., et al.* v. *Criterion Shirt Band Co., Inc.* Doc. E 80/167, *Acro Neck-Band & Collar Co.,*

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Inc., et al. v. *Estes & Blum, Inc.* Doc. E 80/166, *Aero Neck-Band & Collar Co., Inc., et al.* v. *Fenway Fabrics, Inc.* Doc. E 80/168, *Aero Neck-Band & Collar Co., Inc., et al.* v. *Frances Emblem, Inc., et al.* Same, filed April 26, 1935, D. C., E. D. N. Y., Doc. E 7605, *Aero Neck-Band & Collar Co., Inc., et al.* v. *Empire Shirt Trimming Co., Inc.* Doc. E 7606, *Aero Neck-Band & Collar Co., Inc., et al.* v. *Acme Backing Corp.*

Re. 18,100. Mersfelder & Balze, Clean out plug. C. C. A., 2d Cir., Doc. 13,872, *M. & B. Mfg. Co., Inc.*, v. *P. Munk & Co.* Decree reversed (notice May 6, 1935).

Re. 18,346. D. Lakenbach, Hair waving means, D. C., E. D. N. Y., Doc. E 7456, *D. Lakenbach et al.* v. *W. Rader et al.* Consent decree for plaintiff April 24, 1935.

Re. 18,632. G. W. Stedwell, Liquid dispensing apparatus, filed April 20, 1935, D. C., S. D. N. Y., Doc. E 80/153, *Keystone Controls, Inc.*, v. *Wayne Co.*

Re. 18,730. E. W. Colt, Heat treatment of garnet abrasive, filed April 29, 1935, D. C., E. D. Mich. (Detroit), Doc. 6949, *Armour & Co. of Delaware* v. *Mid-West Abrasive Co.*

Re. 18,806. E. A. Wright, Vehicle body, filed May 6, 1935, D. C., S. D. N. Y., Doc. E 80/197, *Trenstedt Mfg. Co.* v. *Motor Products Corp.*

Re. 19,282, F. Siama, Oxidation of sulphur dioxid and catalyst therefor, C. C. A., 4th Cir., Doc. 3818, *The General Chemical Co.* v. *Standard Wholesale Phosphate & Acid Works, Inc.* Decree reversed May 1, 1935.

Re. 19,320. T. J. Dykema, Bottle closure and liquid dropper, filed Apr. 25, 1935, D. C., W. D. N. Y., Doc. 1967, *T. J. Dykema* v. *Liggett Drug Co., Inc.*

Des. 73,709. H. C. Noe, Lamp shade, D. C., S. D. Ind. (Indianapolis), Doc. E 1531, *W. R. Noe & Sons et al.* v. *Aladdin Mfg. Co.* Dismissed without prejudice Feb. 13, 1935.

Des. 93,196. B. Benjamin, Shoe, filed Apr. 20, 1935, D. C., S. D. N. Y., Doc. E 80/152, *Schwartz & Benjamin, Inc.*, v. *Prospect Shoe Co., Inc., et al.*

Des. 94,519. J. Sandler, Shoe, D. C. Mass., Doc. E 4129, *J. Sandler* v. *A. Jacobs & Sons Co., Inc.* Injunction May 1, 1935.

Des. 94,982. Mescon & Doctor, Ash stand, filed May 2, 1935, D. C., E. D. N. Y., Doc. E 7609, *M. Mescon et al.* v. *Everlite Novelty Mfg. Corp. et al.*

Des. 95,225. O. Conrad, Dress, filed April 30, 1935, D. C., S. D. N. Y., Doc. E 80/182, *M. A. Litwin, Inc.*, v. *L. & D. Bellinson, Inc.*

T. M. 305,309, Paroglas Products, Polishing material for auto bodies, floors, etc., filed April 12, 1935, D. C., W. D. N. Y., Doc. 1966, *Paroglas Products, Inc.*, v. *W. H. Carpenter (Arrow Super-Glaze Products).*

Disclaimers

1,398,994.—*George H. Armitage*, Woonsocket, R. I. DELIVERY MECHANISM FOR VENDING-MACHINES. Patent Dated December 6, 1921. Disclaimer filed May 18, 1935, by the assignee, *General Register Corporation.*

Hereby enters this disclaimer to claims 6, 33, 34, 35, 37, 38, and 43, inclusive, in said specification, which are in the following words to wit:

"6. A vending machine having, in combination, means for delivering different quantities of articles therefrom including a rotary article feeding drum; a plurality of tripping devices for controlling the operations of the delivery means; and means whereby one or the other of said tripping devices may be brought into action so as to control the amount the machine will deliver."

"33. A vending machine having, in combination, means for supporting, guiding and delivering tickets or similar articles from a single strip, including a rotary drum and means for actuating said drum variable distances according to the number of tickets it is desired to have the machine deliver.

"34. A vending machine having, in combination, means for supporting, guiding and delivering articles therefrom including a rotary member normally held from rotation, means for actuating said member variable distances and means cooperating with the holding means for tripping the same into action to enable the said actuating means to cause the rotary means to make a delivery according to predetermination.

"35. A vending machine having, in combination, means for guiding and delivering articles from a single strip, including a rotary drum, means on the drum for cooperating with the strip, and means for variably driving the drum so as to deliver as many articles as may be required."

"37. A vending machine having, in combination, means for delivering articles from a continuous strip including a rotary member; means for moving said rotary member variable distances so as to deliver any desired number of articles; and means for severing the desired number of articles after the delivery operation.

"38. A vending machine having, in combination, means for delivering different quantities of articles therefrom, including a rotary drum; a plurality of tripping devices for controlling the operations of the delivery means; and means whereby one or the other of the tripping devices may be brought into action so as to control the amount of rotation imparted to the drum."

"43. A machine of the character described, having an exit for tickets from a strip, comprising, in combination, a rotatable drum provided with means adapted to engage the ticket strip for feeding the same through the exit; a knife for severing the issued tickets from the strip; means for actuating the knife; means for rotating the drum variable distances and adapted to set the knife-actuating means in operation; and means for returning the knife to its normal position."

1,875,859.—*Philip H. Dowling*, Swissvale, Pa. ELECTRICAL RELAY SYSTEM. Patent dated September 6, 1932. Disclaimer filed May 18, 1935, by the assignee, *The Union Switch & Signal Company.*

Hereby enters the following disclaimer, to wit:

Your petitioner hereby disclaims the subject matter of claims 5, 7, 8, 9, and 10.

1,905,251.—*Charles A. Styer*, Forest Hills, Pa. SELF COMPENSATING LIGHT CONTROL. Patent dated April 25, 1933. Disclaimer filed May 18, 1935, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters a disclaimer to the claims which are in the following words:

"Apparatus for producing radiant energy comprising a source of radiations, means for energizing said source, and means responsive to the variations in said energizing means for limiting the beam of radiant energy emitted from said source."

"Apparatus for producing radiant energy comprising a source of radiations, means for energizing said source, and means responsive to the variations in said energizing means for regulating the intensity of said radiant energy projected on a predetermined plane."

Trade-Mark Registrations Canceled

153,777. Razors, pocketknives, table knives, and scissors. Ewald Kron, Solingen, Germany. Registered March 28, 1922. Canceled May 14, 1935.

163,550. Hosiery. Arteraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Registered January 23, 1923. Canceled May 20, 1935.

176,914. Corsets, brassières, underwaists, and bands. Manhattan Corset Company, New York, N. Y. Registered December 4, 1923. Canceled May 14, 1935.

269,592. Crockery, earthenware, and porcelain. Schumann China Corporation, New York, N. Y. Registered April 15, 1930. Canceled May 20, 1935.

290,604. Lubricating oils. Penn-State Petroleum Company, Warren, Pa. Registered January 12, 1932. Canceled May 14, 1935.

300,975. Box-springs and mattresses. Sleeper Products, Inc., Wilmington, Del., and Philadelphia, Pa. Registered February 14, 1933. Canceled April 26, 1935.

305,281. CHINAWARE. Schumann China Corporation, New York, N. Y. Registered August 8, 1933. Canceled May 20, 1935.

307,446. Whiskey. The Sherwood Distilling & Distributing Co., Baltimore, Md. Registered October 24, 1933. Canceled May 14, 1935.

314,517. Nasal spray. Hill's Laboratories, Inc., Silver Spring, Md. Registered July 3, 1934. Canceled May 14, 1935.

319,335. Certain-named men's and boys' clothing. Baltimore Clothes, Inc., Baltimore, Md. Registered November 20, 1934. Canceled May 14, 1935.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 11, 1935

[VOL. 455, No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 362,403. F. F. CHRESTIEN & CO. LIMITED, Domchanch, Behar, India, and London, England. Filed Mar. 12, 1935.



For Mica in Blocks, Sheets and Powder.
Claims use since Sept. 1, 1903.

Ser. No. 363,254. J. LICHTMAN & SONS, Newark, N. J. Filed Mar. 30, 1935.

SWAGGER BUK

Applicant disclaims the word "Buk" apart from the mark as shown.
For Leather.
Claims use since Mar. 1, 1935.

Ser. No. 363,721. RUFUS M. SHENK, Takoma Park, Md. Filed Apr. 13, 1935.



The picture is fanciful. Applicant disclaims the words "Stone Garden" apart from the mark as shown.
For Rocks or Stones for Rock Gardens.
Claims use since August, 1933.

Ser. No. 363,737. AMLING ROSE COMPANY, Paina, Ill. Filed Apr. 15, 1935.

"HAPPY DAYS"

For Horticultural Growths and Nursery Stocks, Such as Plants, Shrubs, Vines, Perennials, Rose Bushes, Rose Plants, Potted Rose Plants, and Cut Flowers.
Claims use since Aug. 1, 1934.

Ser. No. 363,839. WYOMING VALLEY COLLIERIES CO., Scranton, Pa. Filed Apr. 16, 1935.





The words "Superior Wyoming Anthracite from the" are not claimed apart from the mark.
For Coal.
Claims use since Apr. 10, 1934.

Ser. No. 364,347. MITCHELL & DILLON COAL CO., Chicago, Ill. Filed Apr. 29, 1935.

POTOMAC

For Coal.
Claims use since Sept. 1, 1934.

CLASS 2

Receptacles

Ser. No. 361,558. THE EDWARDS MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Feb. 11, 1935.

permacrypt

For Caskets, Casket Shells, and Burial Vaults.
Claims use since Mar. 2, 1931.

Ser. No. 363,543. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Apr. 9, 1935.

DURALITE

For Empty Spools for Holding Wire, Made of Plastic Material.
Claims use since Jan. 11, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 362,281. YARDLEY OF LONDON, INC., Union City, N. J. Filed Mar. 8, 1935.

"Elegance"

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Out-Fit Packages Containing Soap and Towel, Soap Powder for Bathing, Washing, and Cleaning Purposes, Laundry Soaps, Soap Flakes, Hand Soaps, and Toilet Soaps.
Claims use since Feb. 27, 1935.

Ser. No. 362,922. RED CROSS PHARMACY, INC., Cleveland, Ohio. Filed Mar. 23, 1935.



The signature is that of Dr. Erwin H. Bolgar, president of applicant corporation.
For Milk Soap.
Claims use since 1904

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 359,233. KUNZE & BEVERSDORF, Milwaukee, Wis. Filed Dec. 12, 1934.

THEO BROMIDE

The term "Bromide" is disclaimed apart from the mark.
For Preparation Used as a Vasodilator and Sedative.
Claims use since Aug. 1, 1930.

Ser. No. 362,226. THE HALEY M-O COMPANY, Geneva, N. Y. Filed Mar. 7, 1935.

HALEY'S

M-O

For Pharmaceutical Preparations Containing Milk of Magnesia and Mineral Oil
Claims use since Apr. 15, 1924.

Ser. No. 362,669. CLARITE LABORATORIES, INC., New York, N. Y., assignor to Clark-Wright, Inc., Boston, Mass. Filed Mar. 18, 1935.

THYMO-PED

For Foot Creams.
Claims use since Jan. 5, 1935.

Ser. No. 362,678. W. J. GILMORE DRUG CO., Pittsburgh, Pa. Filed Mar. 18, 1935.

ATOP

For Nerve Tonic.
Claims use since Mar. 15, 1935.

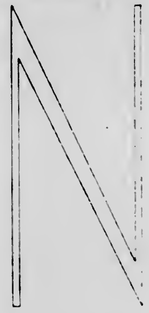
Ser. No. 362,734. JOSEPH BREYER, doing business as Nanta Company, New York, N. Y. Filed Mar. 19, 1935.

NANTA

For Eliminant Treatment Based Mainly on a Diminished Intake of Fats and Carbohydrates Coupled with Increased Elimination for Checking Excess Weight.
Claims use since Mar. 15, 1935.

Ser. No. 362,920. MCLAUGHLIN GWEN COMPANY, Chicago, Ill. Filed Mar. 23, 1935.

Nourol



For Shampoo, Wave Set, Hair Tonic, Rinse.
Claims use since Feb. 6, 1934

Ser. No. 362,939. BRUNSWIG DRUG CO., doing business as Reliance Laboratories, Los Angeles, Calif. Filed Mar. 25, 1935

PURITY RELIANCE UNIFORMITY

No claim is made to the words "Purity" and/or "Uniformity" apart from the mark shown.
For Antacid Powder, Antiseptic Mouth Wash, Ant Powder, Ant Poison, Aromatic Astringent Mouth Wash, Aspirin Tablets, Beef, Iron and Wine, Cascara Sagrada Tablets, Fly Spray, Glycerin Suppositories, Hygienic Medicated Powder for Vaginal Douche, Larkspur Lotion, Laxative Hepatic Salts, Malt Extract and Cod Liver Oil, Milk of Magnesia, Mineral Oil for Medicinal Purposes Only, Nasal Drops, Petroleum Emulsion with Agar, Rubbing Alcohol Compound and Vapor Balm.
Claims use since Mar. 1, 1935.

Ser. No. 363,151. J. ROSS BOLES, doing business as Sal-Rich Company, San Antonio, Tex. Filed Mar. 29, 1935.

SAL·RICH

For Mouth Wash Powder Used in the Treatment of Throat and Mouth Troubles.
Claims use since Sept. 2, 1932.

Ser. No. 363,207. HOWARD W. DAVIS, doing business as The Nevlo Company, San Antonio, Tex. Filed Mar. 30, 1935.

NEVLO

For Preparation for the Relief of Nervous Headaches, Nervous Indigestion, Insomnia, Hysteria, Extreme Mental Tension, and Nervous Disorders.
Claims use since Mar. 17, 1934.

Ser. No. 363,209. DIEHL RESEARCH LABORATORIES, LTD., Los Angeles, Calif. Filed Mar. 30, 1935.



For Dry Antiseptic Powder for Vaginal Application.
Claims use since Mar. 14, 1935.

Ser. No. 363,404. PARKER RUST PROOF COMPANY, Detroit, Mich. Filed Apr. 4, 1935.

SPRA *Bonderite*

The word "Spra" is disclaimed apart from the mark shown.
For Chemical Rust Preventing Compound.
Claims use since Mar. 22, 1935.

Ser. No. 363,516. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 8, 1935.

DERMALAC

For Skin Lotion.
Claims use since Mar. 19, 1912.

Ser. No. 363,523. GUY A. ROBINSON, doing business as Trax Laboratories, Cedar Rapids, Iowa. Filed Apr. 8, 1935.



The representation of the label is disclaimed apart from the mark.
For Medicinal Preparation for Foot Odors and Epidermophytosis (Athlete's Foot).
Claims use since July 8, 1929.

Ser. No. 363,534. G. W. CARNRICK CO., Newark, N. J. Filed Apr. 9, 1935.

COLOPO

For Endocrine Cholagogue and Cathartic for Use in Cases of Chronic Constipation, Sluggishness of the Liver, Intestinal Toxemia, Bile Insufficiency.
Claims use since Mar. 26, 1935.

Ser. No. 363,568. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 9, 1935.

Devegan

For Antileukorrheic Antitrichomonadic.
Claims use since Mar. 18, 1935.

Ser. No. 363,625. ELECTROSOL COMPANY, INC., New York, N. Y. Filed Apr. 11, 1935.

ELECTROSOL

For Colloidal Copper in Solution, a Chemical and Pharmaceutical Preparation.
Claims use since Mar. 1, 1935.

Ser. No. 363,633. MOHAWK HERB TEA COMPANY, Omaha, Nebr. Filed Apr. 11, 1935.



No claim is made to the words "Herb Tea" apart from the mark shown.
For Herb Tea Having Laxative and Diuretic Properties.
Claims use since Jan. 1, 1934.

Ser. No. 363,653. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Apr. 12, 1935.

DOWANONE

For Vat Dyes Derived from an Anthraquinone Base.
Claims use since August, 1934.

Ser. No. 363,663. L. B. LABORATORIES, INC., Los Angeles, Calif. Filed Apr. 12, 1935.

Norsman

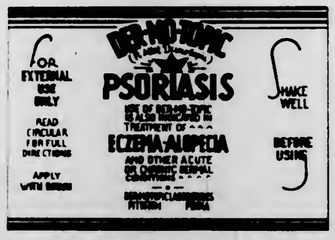
For Liniment Rub.
Claims use since Jan. 21, 1935.

Ser. No. 363,679. A. A. VANTINE PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 12, 1935.

Anna Parlova

The trade-mark is the name of a noted dancer, now deceased.
For Toilet Preparations and Cosmetics—Namely, Face Powder, Lipstick, Dry Rouge, Cold Cream, Cleansing Cream, Tissue Cream, Cleansing Oil, Oil Shampoo, Skin Tonic, Foundation Lotion, Hand Cream, Muscle Oil, Beach Tan Oil, Cream Rouge, Eye Shadow.
The trade-mark has been continuously used and applied to said goods in the business of said corporation since Jan. 15, 1935, on face powder, dry rouge, cold cream, tissue cream, skin tonic, foundation lotion, hand cream; since Jan. 22, 1935, on lipstick; since Jan. 23, 1935, on beach tan oil; since Jan. 29, 1935, on cleansing cream, cleansing oil, oil shampoo, muscle oil, creme rouge, eye shadow.

Ser. No. 363,755. WILLIAM F. GILROY, doing business as Der-Mo-Topic Laboratories, Pittston, Pa. Filed Apr. 15, 1935.



Applicant disclaims the representation of the label per se, and all notations apart from the mark as shown except the words "Der-Mo-Topic" and "Der-Mo-Topic Laboratories".
For Preparation for the Treatment of Psoriasis, Eczema, Alopecia, and Other Dermal Conditions.
Claims use since Jan. 7, 1925.

Ser. No. 363,768. SIROIL LABORATORIES, INC., Detroit, Mich. Filed Apr. 15, 1935.

EXOIL

For Preparation for the Treatment of Psoriasis and Similar Skin Affections.
Claims use since December, 1934.

CLASS 7

Cordage

Ser. No. 364,050. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed Apr. 22, 1935.



No claim is made to the word "Manila".
For Rope, Cord, and Twine of Vegetable Fiber.
Claims use since Feb. 7, 1928.

CLASS 11

Inks and Inking Materials

Ser. No. 364,145. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed Apr. 24, 1935.

Madame Butterfly

For Typewriter Ribbons.
Claims use since Apr. 6, 1935.

CLASS 12

Construction Materials

Ser. No. 334,105. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Jan. 19, 1933.

LATCH THATCH SHINGLE

Applicant disclaims the word "Shingle" apart from the mark shown.
For Prepared Roofing Shingles Having a Waterproof Felted Base.
Claims use since June 19, 1931.

Ser. No. 362,575. HUTTIG SASH & DOOR COMPANY, St. Louis, Mo. Filed Mar. 15, 1935.



All wording except "Airflo" and "Satin" is disclaimed apart from the mark as shown.
For Millwork Such as Sash and Doors, Particularly Doors of Hollow Panel Type.
Claims use since Feb. 25, 1935.

Ser. No. 363,369. THE C. A. MAUK LUMBER COMPANY, Toledo, Ohio. Filed Apr. 3, 1935.



The drawing is lined to indicate silver.
For Shingles.
Claims use since Mar. 25, 1935.

Ser. No. 364,194. REILLY TAR & CHEMICAL CORPORATION, Indianapolis, Ind. Filed Apr. 25, 1935.

PLASTUVIA

For Bituminous Material Intended for Crack Fillers.
Claims use since Mar. 20, 1935.

Ser. No. 364,326. BIRD & SON, INC., East Walpole, Mass. Filed Apr. 29, 1935.

WEATHER-TEX

For Slate-Surfaced Asphalt Siding and Shingles.
Claims use since Apr. 16, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 363,256. AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa. Filed Apr. 1, 1935.

MAN-TEN

For Rolled Ferrous Metal Sheets and Plates.
Claims use since Mar. 13, 1934.

Ser. No. 363,356. AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa. Filed Apr. 1, 1935.

COR-TEN

For Rolled Ferrous Metal Sheets and Plates.
Claims use since Mar. 8, 1934.

Ser. No. 363,938. THE NATIONAL FOUNDRY & FURNACE COMPANY, Dayton, Ohio. Filed Apr. 18, 1935.

CHRONAT

For Alloy Iron.
Claims use since Apr. 9, 1935.

CLASS 15

Oils and Greases

Ser. No. 359,276. MARATHON OIL COMPANY, Tulsa, Okla. Filed Dec. 13, 1934.

MARATHON



Endurance
MOTOR OIL

No claim is made to the words "Products", "Best In The Long Run" and "Motor Oil" apart from the mark as shown.
For Lubricating Motor Oils.
Claims use since May 3, 1931.

Ser. No. 363,028. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Mar. 27, 1935.

ULTROL

For Petroleum Products, Particularly Petroleum Oils for Various Uses in Industrial Arts.
Claims use since Mar. 1, 1935.

Ser. No. 363,909. SHELTHORN & HILL, INC., Elsmere, Del. Filed Apr. 17, 1935.

DELOLENE

For Gasoline and Lubricating Oils.
Claims use since October, 1931.

Ser. No. 363,920. THE HOUSE OF GURNEY, INC., Yankton, S. Dak. Filed Apr. 18, 1935.

AGRO

For Gasoline.
Claims use since Feb. 1, 1935.

Ser. No. 363,986. SHELL OIL COMPANY, San Francisco, Calif. Filed Apr. 19, 1935.

AEROSHELL

For Lubricating Oil.
Claims use since Mar. 29, 1935.

Ser. No. 364,447. PUROL, INC., Trenton, N. J. Filed May 1, 1935.

MOR-LUB

For Lubricating Oils and Greases.
Claims use since Apr. 12, 1935.

Ser. No. 364,482. WILLIAM W. PELTON, doing business as Atlantic Blending Co., Quincy, Mass. Filed May 2, 1935.

MOREVS

For Lubricating Oil.
Claims use since Jan. 10, 1935.

CLASS 17

Tobacco Products

Ser. No. 362,357. FINCK CIGAR COMPANY, San Antonio, Tex. Filed Mar. 25, 1935.

KONTAK

For Cigars.
Claims use since Mar. 14, 1935.

Ser. No. 363,815. PHILIP MORRIS & CO. LTD INCORPORATED, New York, N. Y. Filed Apr. 16, 1935.

PM 80

For Cigarettes.
Claims use since 1883.

Ser. No. 364,379. CONTINENTAL CIGAR CORPORATION, Scranton, Pa. Filed Apr. 30, 1935.

STATESMAN

For Cigars.
Claims use since Nov. 12, 1931.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 364,412. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed May 1, 1935.

Tailored

For Automobiles and Structural Parts Thereof Specifically, Brake Cables Including Cable Casings and Attachment Fittings Therefor.
Claims use since Apr. 16, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 356,883. PHONE APPLIANCE CORPORATION, New York, N. Y. Filed Oct. 8, 1934.

HYGEN-O-PHONE

No claim is made to the word "Phone" apart from the mark shown.
For Sanitary Mouth Piece for Telephones.
Claims use since Sept. 6, 1934.

Ser. No. 358,283. DEUTSCHE EDELSTAHLWERKE AKTIENGESELLSCHAFT, Krefeld, Germany. Filed Nov. 16, 1934.

Oerstit

For Magnets.
Claims use since Jan. 21, 1933.

Ser. No. 363,823. CHARLES S. REED, Los Angeles, Calif. Filed Apr. 16, 1935.

"TECK-LITE"

For Switch Plates or Covers for Electrical Switches.
Claims use since Dec. 16, 1933.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 363,043. SAML. GABRIEL SONS & COMPANY, New York, N. Y. Filed Mar. 27, 1935.

PLAN-A-GARDEN

For Toys for a Construction Game Played With Building Pieces.
Claims use since Jan. 1, 1935.

Ser. No. 363,992. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 20, 1935.

SUPER STEERING

No claim is made to the word "Steering" apart from its association with the word "Super".
For Sleds.
Claims use since May 29, 1934.

Ser. No. 364,260. UNITED STATES WHIP CO., doing business as U. S. Line Co., Westfield, Mass. Filed Apr. 26, 1935.



LEVEL BEST

No claim is made to the word "Best" apart from the association shown.
For Fishing Line.
Claims use since Dec. 14, 1928.

Ser. No. 364,401. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 30, 1935.

SWEEPSTAKES

For Playing Cards.
Claims use since Apr. 15, 1935.

Ser. No. 364,413. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed May 1, 1935.

THEY'RE OFF

For Coin Controlled Amusement Apparatus.
Claims use since Apr. 1, 1935.

Ser. No. 364,414. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed May 1, 1935.

Pathfinder

For Coin Controlled Amusement Apparatus.
Claims use since Mar. 1, 1935.

Ser. No. 364,415. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed May 1, 1935.

GATE-WAY

For Coin Controlled Amusement Apparatus.
Claims use since Apr. 1, 1935.

Ser. No. 364,438. PATENT ENGINEERING CO., Chicago, Ill. Filed May 1, 1935.

Re-Kop

For Card and Board Game.
Claims use since Oct. 18, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 333,696. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Jan. 6, 1933

Air-Way

For Insecticide Dusting Attachments for Vacuum Cleaners, and Foldable Open Mouth Bag Fumigating Chambers for Enveloping Articles to Be Fumigated, Vacuum Cleaning Machines and Parts Thereof, and Feather Renovating Machines.
Claims use since January, 1928.

Ser. No. 358,471. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Nov. 21, 1934.

MIXMASTER

For Food Mixers, Fruit Juice Extractors, Mayonnaise Makers, Drink Mixers, Meat Grinders and Food Choppers, Food Slicers and Shredders, Ice Crushers, Potato Peelers, Can Openers, Mechanically Operated Colanders, Coffee Grinders, Pea Shellers, and Attachments for Operating Ice Cream Freezers.
Claims use since September, 1930.

Ser. No. 360,027. DIESELATOR CORPORATION OF AMERICA, Los Angeles, Calif. Filed Jan. 8, 1935.

DUAL FUEL

The word "Fuel" is disclaimed apart from the mark.
For Carburetors for Internal Combustion Engines.
Claims use since Dec. 8, 1934.

Ser. No. 362,122. MOTO-SWAY CORPORATION OF AMERICA, Chicago, Ill. Filed Mar. 4, 1935.

AUTO-ROCK

For Vehicle Rocking Machines.
Claims use since June 20, 1932.

Ser. No. 362,688. JOSS EQUIPMENT AND SERVICE CORPORATION, New York, N. Y. Filed Mar. 18, 1935.

JOSS

For an Apparatus, Comprising Tank, Hose, Valves, Fittings, and Gauge, for Attachment in a Beer Cooling and Tapping Service, and Serving as a Coil Cleaner and for Forcing the Return of All Beer from Tap Lines and Coils to Keg When the Service Is Not in Use.
Claims use since Oct. 29, 1934.

Ser. No. 362,965. OTTO E. KRAUS, doing business as Pal Blade Co., Chicago, Ill. Filed Mar. 25, 1935.

SAFE-T-PACK

For Razor Blades.
Claims use since Mar. 20, 1935.

Ser. No. 363,272. ORIN K. COX, Los Angeles, Calif. Filed Apr. 1, 1935.

STERILATOR

For Dish Washing Machines.
Claims use since Mar. 21, 1935.

Ser. No. 364,162. BENJAMIN GORDON, doing business as Bengor Products Co., New York, N. Y. Filed Apr. 25, 1935.



For Razor Blades.
Claims use since Mar. 1, 1933.

Ser. No. 364,163. BENJAMIN GORDON, doing business as Bengor Products Co., New York, N. Y. Filed Apr. 25, 1935.

GORDON

For Razor Blades.
Claims use since Feb. 1, 1932.

Ser. No. 364,174. CLUB RAZOR AND BLADE MFG. CORP., Newark, N. J. Filed Apr. 25, 1935.

STREAMLINE

For Razor Blades.
Claims use since Dec. 1, 1934.

Ser. No. 364,365. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Apr. 29, 1935.

Leader

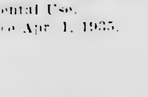
For Oil Filter Renewal Cartridges, for Use with Oil Filters for Internal Combustion Engines.
Claims use since Feb. 26, 1935.

CLASS 27

Horological Instruments

Ser. No. 360,928. ELGIN NATIONAL WATCH COMPANY, Chicago and Elgin, Ill. Filed Feb. 1, 1935.

ELGIN



Applicant is the owner of T. M. Reg. No. 47,470, effected under the 10-year proviso.
For Watches, Watch Movements, and Watch Cases.
Claims use since August, 1933.

Ser. No. 364,340. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Apr. 29, 1935.

GUB

For Watches.
Claims use since Apr. 8, 1935.

Ser. No. 364,341. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Apr. 29, 1935.

NITE N' DAY

For Clocks and Watches.
Claims use since Apr. 1, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 363,646. BARKER BROTHERS SILVER COMPANY, INC., New York, N. Y. Filed Apr. 12, 1935.



For Silver Plated Hollow Ware and Flatware for Table Toilet, or Ornamental Use.
Claims use since Apr. 1, 1935.

Ser. No. 364,144. A. MICALLEF & COMPANY, Providence, R. I. Filed Apr. 24, 1935.

AoM

For Jewelry for Personal Wear Not Including Watches.
Claims use since Apr. 2, 1935.

Ser. No. 364,479. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed May 2, 1935.

Guest of Honor

For Silver-Plated or Sterling Silver Flatware and Hollow Ware for Table Use and the like.
Claims use since Apr. 23, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 363,692. ALBERT BLOCH & SONS, INC., New York, N. Y. Filed Apr. 13, 1935.

TI-TAN



For Chamois Skins Used as Wipers and Polishers.
Claims use since Feb. 15, 1935.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 361,901. PACIFIC CLAY PRODUCTS, Los Angeles, Calif. Filed Feb. 27, 1935.

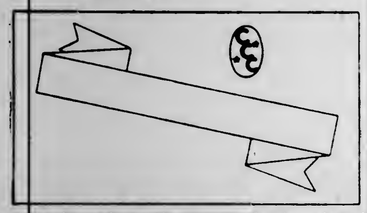
HOSTESSWARE

For Earthenware—Namely, Table Ware, Art Pottery, Flower Jars, Vases and Boxes, Sand Jars, Jardinières, Decorative Pots, Kitchen Ware, Oven Ware; Stoneware Jars, Jugs, Decanters, Spiritous Liquor Containers, Wine Containers.
Claims use since Aug. 31, 1932.

CLASS 32

Furniture and Upholstery

Ser. No. 362,069. COMFI-COIL CORPORATION, Providence, R. I. Filed Mar. 2, 1935.



No claim is made to the rectangular boundary line in which the scroll and oval design are shown.
For Mattresses and Furniture, Including Parlor Suites, Chairs, Studio Couches, Day Beds, Cushions, Pillows, Bed Springs, Ottomans, and Foot Stools.
Claims use since Sept. 1, 1933.

Ser. No. 364,360. SLEEPER PRODUCTS, INC., Chicago, Ill. Filed Apr. 29, 1935.

The PROSPECT

For Mattresses.
Claims use since Apr. 3, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 363,338. EDWARD W. PHILLIPS, Flint, Mich. Filed Apr. 2, 1935.

SOUTHERN BREEZE

For Fan and Radiator Heating Units.
Claims use since Dec. 14, 1933.

Ser. No. 363,686. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Apr. 13, 1935.

TRAVOGRAPH

For Machines for Cutting and Welding Metal by Means of Gases.
Claims use since Jan. 27, 1934.

Ser. No. 363,687. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Apr. 13, 1935.

OMNIGRAPH

For Machines for Cutting and Welding Metal by Means of Gases.
Claims use since June 21, 1934.

Ser. No. 363,688. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Apr. 13, 1935.

TRACTOGRAPH

For Machines for Cutting and Welding.
Claims use since Apr. 14, 1934.

Ser. No. 363,691. THE BAHNSON COMPANY, Winston-Salem, N. C. Filed Apr. 13, 1935.

HUMIDUCT

For Distributing Headers for Air Conditioning Systems.
Claims use since July 1, 1933.

Ser. No. 363,860. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1935.

"FIRST LADY"

For Gas Stoves and Ranges.
Claims use since January, 1929.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 364,322. THE BADGER RUBBER WORKS, Chicopee Falls, Mass. Filed Apr. 29, 1935.

SKY-WAY

For Vehicle Tires and Inner Tubes Made Wholly or Partly of Rubber.
Claims use since Apr. 15, 1935.

CLASS 37

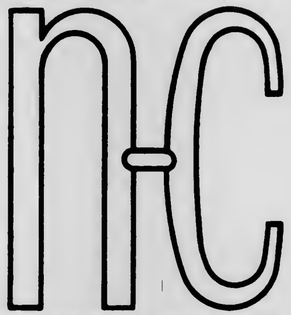
Paper and Stationery

Ser. No. 361,436. NEVA-CLOG PRODUCTS, INC., Bridgeport, Conn. Filed Feb. 15, 1935.



For Stapling Machines, Particularly of the Plier and Desk Types, Staples for Use Therein, and Parts and Attachments Thereof.
Claims use since March, 1930.

Ser. No. 361,437. NEVA CLOG PRODUCTS, INC., Bridgeport, Conn. Filed Feb. 15, 1935.



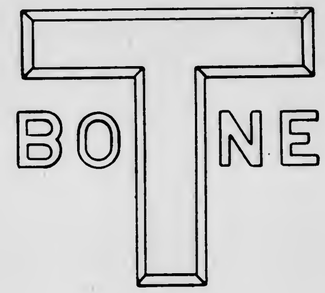
For Stapling Machines, Particularly of the Plier and Desk Types, Staples for Use Therein, and Parts and Attachments Thereof.
Claims use since March, 1930.

Ser. No. 363,853. EAGLE PENCIL COMPANY, New York, N. Y. Filed Apr. 17, 1935.

ELECTRONIC

For Lead Pencils.
Claims use since Mar. 28, 1935.

Ser. No. 364,136. HANCHETT PAPER CO., Chicago, Ill. Filed Apr. 24, 1935.



For Wrapping Paper.
Claims use since Apr. 10, 1935.

Ser. No. 364,166. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Apr. 25, 1935.

777

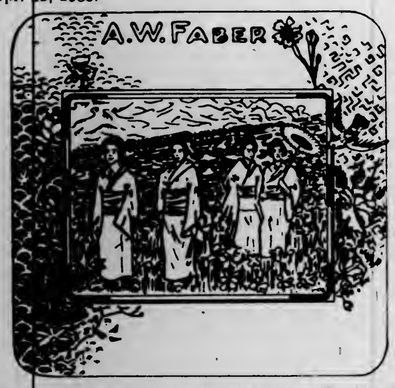
For Chalk Crayons.
Claims use since January, 1861.

Ser. No. 364,167. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Apr. 25, 1935.

888

For Chalk Crayons.
Claims use since January, 1878.

Ser. No. 364,178. A. W. FABER, INC., Newark, N. J. Filed Apr. 25, 1935.



For Lead Pencils, Colored Pencils, Rubber Pencils, Rubber Erasers, Penholders, Copying Pencils, Ink Pencils and Screw Pencils.
Claims use since Nov. 20, 1913.

Ser. No. 364,450. RIEGEL PAPER CORPORATION, New York, N. Y. Filed May 1, 1935.

BERYL

For Wrapping Paper.
Claims use since Apr. 15, 1935.

CLASS 38

Prints and Publications

Ser. No. 363,520. ROCKFORD PHOTO SERVICE, Rockford, Ill. Filed Apr. 8, 1935.

PANEL-ART

For Snapshots.
Claims use since July 3, 1934.

Ser. No. 364,381. DIESEL ENGINES, INC., New York, N. Y. Filed Apr. 30, 1935.

Diesel Progress

For Regularly Issued Monthly Magazine.
Claims use since Apr. 15, 1935.

CLASS 39

Clothing

Ser. No. 360,308. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Jan. 16, 1935.

Francuna

For Clothing—Namely, Women's Sweaters, Blouses, Outer Shirts and Shorts, Jackets, Bathing Suits, Outer Skirts, Dresses, Suits, Coats, Fabric Gloves and Scarves, Etc. and Men's Sweaters, Dress and Negligee Shirts, Inner and Outer Shorts, Jackets, Bathing Suits, Suits, Coats, Ties, Sport Socks, Scarves, Fabric Gloves and Hosiery.
Claims use since Jan. 3, 1935.

Ser. No. 361,000. EPSTEIN UNDERWEAR CO., New York, N. Y. Filed Feb. 4, 1935.

Lorelle

For Silk Underwear.
Claims use since Dec. 31, 1934.

Ser. No. 361,245. ARBUTHNOT-STEPHENSON COMPANY, Pittsburgh, Pa. Filed Feb. 11, 1935.



For Work Shirts and Overalls.
Claims use since Jan. 1, 1935.

Ser. No. 361,448. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill. Filed Feb. 16, 1935.

CUBS

For Hosiery.
Claims use since Feb. 6, 1935.

Ser. No. 361,660. COHEN, GOLDMAN & CO., INC., New York, N. Y. Filed Feb. 19, 1935.

Town-tex

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, Trousers, Top Coats, Overcoats, and Summer Clothing for Men, Boys, and Children, Consisting of Coats, Vests, Pants, and Trousers, Made of Either Woven or Knitted Material or Wool Fabrics and Worsted Fabrics.
Claims use since Dec. 1, 1934.

Ser. No. 361,661. COHEN, GOLDMAN & CO., INC., New York, N. Y. Filed Feb. 19, 1935.

Town-weave

No claim is made to the word "Weave" apart from the mark.
For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, Trousers, Top Coats, Overcoats and Summer Clothing for Men, Boys, and Children, Consisting of Coats, Vests, Pants, and Trousers Made of Either Woven, Knitted, Wool and/or Worsted Fabrics.
Claims use since Dec. 1, 1934.

Ser. No. 362,739. ELIZABETH CITY HOSIERY CO., Elizabeth City, N. C. Filed Mar. 19, 1935.

LADY NEE-HI

The word "Nee-Hi" is disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Feb. 16, 1935.

Ser. No. 362,924. A. N. SAAH CO., INC., New York, N. Y. Filed Mar. 23, 1935.



The word "Lingerie" is disclaimed apart from the mark as shown.
For Ladies' Nightgowns.
Claims use since Mar. 21, 1923.

Ser. No. 362,972. MORRIS & COMPANY, INCORPORATED, Baltimore, Md. Filed Mar. 25, 1935.

"BEWTYRAP"

For Women's, Misses', and Children's Dresses.
Claims use since Mar. 8, 1935.

Ser. No. 363,332. MOE LEVY & SON, INC., New York, N. Y. Filed Apr. 2, 1935.

Bruce Dayl

For Men's Suits and Overcoats.
Claims use since Mar. 28, 1935.

Ser. No. 363,654. GALAX KNITTING COMPANY, INCORPORATED, Galax, Va. Filed Apr. 12, 1935.

Lady Gray

For Ladies' Hosiery.
Claims use since Sept. 1, 1934

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 362,473. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 13, 1935.

SOFTLEX BIRDS EYE

Applicant disclaims the words "Birds Eye" apart from the mark
For Lap Pads, Crib Sheets, and Sheeting of Textile Material.
Claims use since Jan. 22, 1935.

Ser. No. 363,203. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 30, 1935.

CARA-SHEER

Applicant disclaims the word "Sheer" apart from the mark as shown.
For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Mar. 28, 1935.

CLASS 43

Thread and Yarn

Ser. No. 363,288. LOUIS P. MASTEROFF, Philadelphia, Pa. Filed Apr. 1, 1935.

Master Brand

The terms "Superior Quality" and "Brand" are disclaimed.
For Yarns.
Claims use since 1925.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 336,014. PRINCE MACARONI MFG. CO., Boston, Mass. Filed Mar. 23, 1933.

Vita-Roni

For Alimentary Pastes Including Macaroni and Spaghetti.
Claims use since October, 1931

Ser. No. 361,497. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Filed Feb. 18, 1935.

AMERICAN WONDER

For Pop Corn.
Claims use since Dec. 16, 1934.

Ser. No. 361,840. HANNA & SMITH, INC., Baltimore, Md. Filed Feb. 26, 1935.

GARDEN FLAVOR

No claim is made to the word "Flavor" apart from the mark as shown.
For Canned Fruits and Vegetables.
Claims use since Feb. 16, 1935.

Ser. No. 362,148. OLNEY & CARPENTER, INC., Wolcott, N. Y. Filed Mar. 5, 1935.

O & C

For Canned Fruits and Vegetables, Frozen Fresh Fruits and Vegetables, Apple Sauce, and Tomato Juice.
Claims use since Oct. 20, 1933.

Ser. No. 362,857. HORACE KAT, New York, N. Y. Filed Mar. 21, 1935.

Tomatolade

For Tomato Marmalade, Tomato Preserves, Tomato Jelly, and Tomato Jam.
Claims use since Feb. 26, 1935.

Ser. No. 363,089. THE BOSTON PRODUCE COMPANY, Boston, Mass. Filed Mar. 28, 1935.

FRESH CRISP
BOSTON
CELERY
PRODUCE CO
FANCY HEARTS

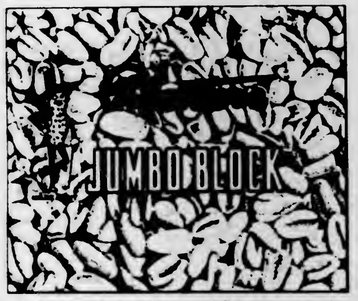
Applicant disclaims all words in the trade-mark except in connection with the mark itself with the exception of The Boston Produce Co.
For Celery.
Claims use since January, 1931.

Ser. No. 363,248. MARVIN A. WATSON, San Francisco, Calif. Filed Mar. 30, 1935.

SHIP-RITE

For Fresh Deciduous, Fresh Citrus, and Dried Fruits, and Fresh Vegetables.
Claims use since Mar. 1, 1935.

Ser. No. 363,405. PLANTERS NUT & CHOCOLATE COMPANY, Suffolk, Va. Filed Apr. 4, 1935.



No claim is made to the word Block or to the representation of the goods apart from the mark as shown.
For Peanut Candy Bar.
Claims use since 1925.

Ser. No. 363,561. JOHN C. MORGAN CO., INC., Traverse City, Mich. Filed Apr. 9, 1935. Under 10-year proviso.

"Morgan"

For Vinegar.
Claims use since 1880.

Ser. No. 363,761. MORRIS & DUBOIS, INC., Freehold, N. J. Filed Apr. 15, 1935.

DUMO

For Liquid Coffee Concentrate.
Claims use since Dec. 14, 1934.

Ser. No. 364,277. COMEX TRADING CO., INC., New York, N. Y. Filed Apr. 27, 1935.

COMEX

For Olive Oil.
Claims use since Apr. 15, 1935.

Ser. No. 364,298. L. AMBER LYNCH, Wilmette, Ill. Filed Apr. 27, 1935.

AMBER

For Chewing Gum.
Claims use since Mar. 19, 1935.

Ser. No. 364,301. NUTRITIONAL RESEARCH, INCORPORATED, Los Angeles, Calif. Filed Apr. 27, 1935.

Waytrol

For Vitamin and Mineral Food Concentrate for Use as a Dietary Supplement.
Claims use since Apr. 6, 1935.

CLASS 47

Wines

Ser. No. 349,673. BN. P. LEROY DE BOISEAUMARIÉ, Chateauneuf du Pape, France. Filed Apr. 7, 1934.



CHATEAU-FORTIA

For Wines.
Claims use since Feb. 1, 1925.

Ser. No. 352,945. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark. Filed June 20, 1934.

CLOC

For Wines.
Claims use since 1922.

Ser. No. 358,912. REBECCA APPLEBAUM, doing business as Monarch Wine Co., New York, N. Y., assignor to Monarch Wine Company, Inc., New York, N. Y., a corporation of New York. Filed Dec. 5, 1934.

EMBASSY



For Still and Sparkling Wines.
Claims use since Jan. 15, 1934.

Ser. No. 360,495. E. L. SPELLMAN CO., INC., New York, N. Y. Filed Jan. 21, 1935.

Mandy Lee

For Wine.
Claims use since Jan. 10, 1935.

Ser. No. 362,991. L. J. CALLAHAN & CO., INC., New York, N. Y. Filed Mar. 26, 1935.

ECLIPSE



For Wines.
Claims use since Sept. 1, 1934.

Ser. No. 362,992. L. J. CALLAHAN & CO., INC., New York, N. Y. Filed Mar. 26, 1935.



Applicant makes no claim to the word "Vin".
For Wines.
Claims use since Sept. 1, 1934.

Ser. No. 363,074. UNITED SPIRIT & WINE IMPORT CORP., New York, N. Y. Filed Mar. 27, 1935.

Reo Rita



The portrait is fanciful.
For Wines.
Claims use since Nov. 1, 1934.

Ser. No. 364,272. CLIFF AND PICKERING, LTD., New York, N. Y. Filed Apr. 27, 1935.

VINOLAX

For Wines.
Claims use since Apr. 22, 1935.

Ser. No. 364,273. CLUFF AND PICKERING, LTD., New York, N. Y. Filed Apr. 27, 1935.

VIGOVIN

For Wines.
Claims use since Apr. 22, 1935.

Ser. No. 364,306. SAZERAC COMPANY, INCORPORATED, New Orleans, La. Filed Apr. 27, 1935.



For Wine.
Claims use since Mar. 1, 1935.

Ser. No. 364,403. CALIFORNIA GRAPE PRODUCTS COMPANY, LTD., San Francisco, Calif. Filed Apr. 30, 1935.

Vinoro

For Wines.
Claims use since Apr. 17, 1935.

Ser. No. 364,460. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y. Filed May 1, 1935.

SUZETTE

For Wines.
Claims use since 1890.

CLASS 48

Malt Beverages and Liquors

Ser. No. 364,556. SOUTHERN BREWERIES, INC., Norfolk, Va. Filed May 4, 1935.

"THE PRIDE OF THE SOUTH"

SOUTHERN BREWERIES, INC.

For Beer, Ale and Porter.
Claims use since May 12, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 348,776. NATIONAL BLENDERS, Trenton, N. J. Filed Mar. 17, 1934.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Mar. 7, 1934.

Ser. No. 359,485. J. SIMON & SONS, INC., St. Louis, Mo. Filed Dec. 19, 1934.

CLUB HOUSE

For Whiskey.
Claims use since 1921.

Ser. No. 359,851. M. S. GRIFFLER IMPORT CO., INC., New York, N. Y. Filed Jan. 2, 1935.



Golden Eagle

For Brandy.
Claims use since Dec. 28, 1934.

Ser. No. 360,251. THRIFTY DRUG CO., LTD., Los Angeles, Calif. Filed Jan. 14, 1935.

OLD VERDUGO

For Brandy.
Claims use since Jan. 3, 1935.

Ser. No. 362,334. WEXMAR LIQUOR CO., INC., Chicago, Ill. Filed Mar. 9, 1935.

Wexmar's

For Sloe Gin, Brandy, Kummel, Orange Cordial, Rock and Rye, Cherry and Brandy Liqueur, Apricot and Brandy Liqueur, Ethyl Alcohol, Grain Alcohol, Apricot Liqueur Creme de Menthe Liqueur, Banana Liqueur, Blackberry Liqueur, Cherry Liqueur, Lemon Liqueur, Cocktails, Whiskey, Gin, Rum, and Bitters.
Claims use since Mar. 7, 1934.

Ser. No. 363,059. PUERTO RICO DISTILLING COMPANY, Arecibo, Puerto Rico. Filed Mar. 27, 1935.



The portrait is that of the president of applicant company.
For Rum.
Claims use since Feb. 10, 1935.

Ser. No. 363,062. PUERTO RICO DISTILLING COMPANY, Arecibo, Puerto Rico. Filed Mar. 27, 1935.

For Rum.
Claims use since Feb. 10, 1935.

Ser. No. 363,452. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Apr. 6, 1935.

H P

For Whiskey, Gin, Rum, Rye Brandy, and Alcoholic Cordials.
Claims use since Mar. 30, 1935.

Ser. No. 363,453. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Apr. 6, 1935.

PRIDE OF PENNSYLVANIA

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Mar. 30, 1935.

Ser. No. 363,490. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Apr. 8, 1935.

MAÑANA

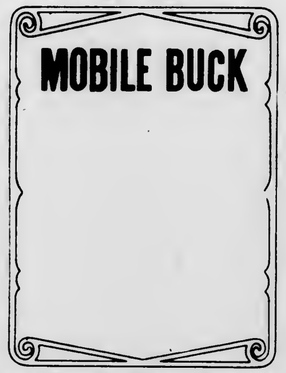
For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Mar. 18, 1935.

Ser. No. 363,513. MOUNT TIVY WINERY, INC., Fresno, Calif. Filed Apr. 8, 1935.

MOUNT TIVY

For Brandy.
Claims use since Dec. 7, 1934.

Ser. No. 363,596. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Apr. 10, 1935.



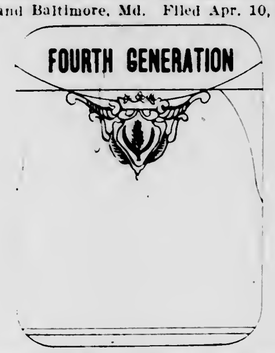
For Whiskey, Rum, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Mar. 1, 1935.

Ser. No. 363,599. NUSSBAUM LIQUOR STORE, INC., New York, N. Y. Filed Apr. 10, 1935.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 1, 1935.

Ser. No. 363,609. THE FRANK L. WIGHT DISTILLING CO., Loreley and Baltimore, Md. Filed Apr. 10, 1935.



For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Dec. 12, 1934.

Ser. No. 363,610. WORLD IMPORTERS INC., Seattle, Wash. Filed Apr. 10, 1935.

KENTUCKY WONDER

For Whiskey.
Claims use since Mar. 30, 1935.

Ser. No. 363,611. WORLD IMPORTERS INC., Seattle, Wash. Filed Apr. 10, 1935.

GREEN MILL

For Whiskey.
Claims use since Mar. 30, 1935.

Ser. No. 363,649. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Filed Apr. 12, 1935.

"CALLED"

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 14, 1935.

Ser. No. 363,668. RED DISTILLERS, INC., Newark, N. J. Filed Apr. 12, 1935.

Lord Baldwin



For Whiskey.
Claims use since Apr. 27, 1934.

Ser. No. 363,695. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Century Tavern

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,696. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Heathercliff

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,697. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Heatherhill

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,698. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Northmoor

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,699. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Rock Haven

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,700. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Southmoor

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,701. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1935.

Stone Haven

For Whiskey.
Claims use since Mar. 21, 1935.

Ser. No. 363,747. D & B PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 15, 1935.

Caranga

For Rum, Whiskey, Gin, Brandy, Alcoholic Cordials, and Liqueurs.
Claims use since Apr. 10, 1935.

Ser. No. 363,857. IRVING B. HORN, doing business as Horn Company, Baltimore, Md. Filed Apr. 17, 1935.

"JULEP JOE"



For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since May 24, 1934.

Ser. No. 363,858. IRVING B. HORN, doing business as Horn Company, Baltimore, Md. Filed Apr. 17, 1935.

Maryland Manor



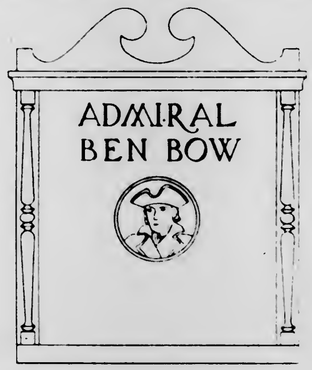
For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Dec. 19, 1934.

Ser. No. 363,874. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md. Filed Apr. 17, 1935.



For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Jan. 15, 1935.

Ser. No. 363,894. SANTA CRUZ DISTILLERS, Christiansted, St. Croix, Virgin Islands. Filed Apr. 17, 1935.



For Straight Rum.
Claims use since Dec. 5, 1933.

Ser. No. 363,904. UNION DISTILLERS PRODUCTS COMPANY, Baltimore, Md. Filed Apr. 17, 1935.

TOWN CHAT



For Whiskey.
Claims use since Apr. 1, 1935.

Ser. No. 363,909. BEAUMART, INC., Bridgeport, Conn. Filed Apr. 18, 1935.

FIVE KNIGHTS

For Gin, Whiskey, and Brandy.
Claims use since January, 1935.

Ser. No. 363,910. BEAUMART, INC., Bridgeport, Conn. Filed Apr. 18, 1935.

Old Glow

For Gin, Whiskey, and Brandy.
Claims use since January, 1935.

Ser. No. 363,944. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Apr. 18, 1935.

RED CAP

For Whiskey.
Claims use since Apr. 4, 1935.

Ser. No. 363,945. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Apr. 18, 1935.



For Gin and Whiskey.
Claims use since Apr. 4, 1935.

Ser. No. 363,948. RED DISTILLERS, INC., Newark, N. J. Filed Apr. 18, 1935.

19 JEWEL



For Whiskey.
Claims use since Mar. 4, 1935.

Ser. No. 363,949. RED DISTILLERS, INC., Newark, N. J. Filed Apr. 18, 1935.

21 JEWEL



For Whiskey.
Claims use since Mar. 4, 1935.

Ser. No. 364,055. HILMAR EHRMANN, doing business as Hilmar Ehrmann & Company, Louisville, Ky. Filed Apr. 22, 1935.

Big Tom



For Gin, Whiskey, and Brandy.
Claims use since July 28, 1934.

Ser. No. 364,064. A. & B. MACKAY, LIMITED, Glasgow, Scotland. Filed Apr. 22, 1935.

HIGHLAND GARTER

For Whisky.
Claims use since November, 1933.

Ser. No. 364,065. MANY, BLANC & CO., INC., Chicago, Ill. Filed Apr. 22, 1935.

Orano

For Rum, Whisky, Gin, Cordials, and Liqueurs.
Claims use since Jan. 14, 1934.

Ser. No. 364,072. RAMSHEAD DISTILLING CO., Chicago, Ill. Filed Apr. 22, 1935.

Ramswood

For Whiskey.
Claims use since Mar. 9, 1935.

Ser. No. 364,077. THRIFTY DRUG CO., LTD., Los Angeles, Calif. Filed Apr. 22, 1935.

MERRY MONKS

For Alcoholic Cordials.
Claims use since March, 1935.

Ser. No. 364,079. UNITED SPIRIT & WINE IMPORT CORPORATION, New York, N. Y. Filed Apr. 22, 1935.

STURDY OAK

For Whiskey.
Claims use since Dec. 27, 1934.

Ser. No. 364,094. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Apr. 23, 1935.

LA RUBIA

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 10, 1935.

Ser. No. 364,116. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Apr. 23, 1935.



For Gin.
Claims use since Mar. 17, 1934.

Ser. No. 364,117. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Apr. 23, 1935.



For Whiskey.
Claims use since Mar. 17, 1934.

Ser. No. 364,118. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Apr. 23, 1935.



For Whiskey.
Claims use since Mar. 17, 1934.

Ser. No. 364,120. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Apr. 23, 1935.



For Gin.
Claims use since Mar. 17, 1934.

Ser. No. 364,134. M. S. GRIFFLER IMPORT CO., INC., New York, N. Y. Filed Apr. 24, 1935.



For Gin.
Claims use since July, 1934.

Ser. No. 364,179. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Apr. 25, 1935.

LA BISCA

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 10, 1935.

Ser. No. 364,208. THREE G DISTILLERY CORP., Burbank, Calif. Filed Apr. 22, 1935.



Three Hawks

For Whiskey.
Claims use since July 14, 1934.

Ser. No. 364,242. OLDETYME DISTILLERS, INC., New York, N. Y. Filed Apr. 26, 1935.

GOLD

FEATHERS

For Gin.
Claims use since Nov. 19, 1934.

Ser. No. 364,243. OLDETYME DISTILLERS, INC., New York, N. Y. Filed Apr. 26, 1935.

SILVER FEATHERS

For Gin.
Claims use since Oct. 11, 1934.

Ser. No. 364,245. PENN-MARYLAND CORPORATION, New York, N. Y. Filed Apr. 26, 1935.

TOWN TAVERN

For Whiskey.
Claims use since July 11, 1934.

Ser. No. 364,267. ALTA WINERY & DISTILLERY, INC., Dinuba, Calif. Filed Apr. 27, 1935.

St. Charles

For Brandy.
Claims use since Apr. 16, 1934.

Ser. No. 364,294. HENRY KELLY & SONS, INC., New York, N. Y. Filed Apr. 27, 1935.

RED COACH

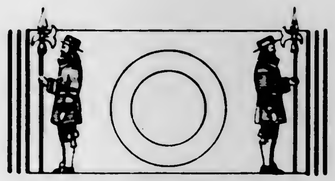
For Whiskey.
Claims use since Mar. 4, 1935.

Ser. No. 364,295. KIENZLER DISTILLING CORPORATION, New York, N. Y. Filed Apr. 27, 1935.



For Gin.
Claims use since September, 1934

Ser. No. 364,296. KIENZLER DISTILLING CORPORATION, New York, N. Y. Filed Apr. 27, 1935.



For Gin.
Claims use since September, 1934

Ser. No. 364,309. WM. STEINMEYER CO., Milwaukee, Wis. Filed Apr. 27, 1935.



The drawing is lined for red
For Whiskey
Claims use since Jan. 1, 1897.

Ser. No. 364,338. HIGH LIFE DISTRIBUTING CO., San Francisco, Calif. Filed Apr. 29, 1935.



For Raki, a Potable Alcoholic Liquor Similar to Gin.
Claims use since 1890.

Ser. No. 364,384. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Apr. 30, 1935.

CATICA

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 11, 1935.

Ser. No. 364,424. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 1, 1935.



For Whiskey.
Claims use since Mar. 19, 1935

Ser. No. 364,425. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 1, 1935.



For Whiskey.
Claims use since Mar. 2, 1934.

Ser. No. 364,426. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 1, 1935.

Kentucky Star

For Whiskey.
Claims use since July 3, 1934.

Ser. No. 364,427. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 1, 1935.



For Whiskey.
Claims use since June 30, 1934

Ser. No. 364,428. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 1, 1935.



For Whiskey.
Claims use since Nov. 8, 1934.

Ser. No. 364,430. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md. Filed May 1, 1935.

OLD BOLTON

For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Jan. 16, 1935.

Ser. No. 364,446. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 1, 1935.

Royal Wedding

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 18, 1934.

Ser. No. 364,453. SHENANDOAH VALLEY DISTILLING COMPANY, INC., Timberville, Va. Filed May 1, 1935.



Blossom Queen

For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Mar. 25, 1935.

Ser. No. 364,459. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y. Filed May 1, 1935.

SUZETTE

For Gin, Whiskey, Rum, Brandy, Alcoholic Cordials and Bottled Cocktails.
Claims use since 1898.

Ser. No. 364,495. THREE G DISTILLERY CORP., Burbank, Calif. Filed May 1, 1935.

Birchfield

For Whiskey.
Claims use since Dec. 17, 1934.

Ser. No. 364,496. THREE G DISTILLERY CORP., Burbank, Calif. Filed May 1, 1935.

Glen Bank

For Whiskey.
Claims use since July, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 363,428. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 5, 1935.

DAREX

For Saturating Paper, Rubber Saturated Paper and Coated Rubber Saturated Paper, Called Artificial Leather.
Claims use since July 25, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 11, 1935

325,040. DOUCHE POWDER USED FOR FEMININE HYGIENE. REDLEAF DRUG COMPANY, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,479. PUBLISHED APRIL 2, 1935. Class 6.

325,041. METAL TUBES AND PIPES. WHEATLAND TUBE COMPANY, Wheatland, Pa.
Filed February 13, 1935. Serial No. 361,375. PUBLISHED APRIL 2, 1935. Class 13.

325,042. CANNED VEGETABLES. THE MILFORD CANNING COMPANY INC., Milford, Ill.
Filed February 13, 1935. Serial No. 361,376. PUBLISHED APRIL 2, 1935. Class 46.

325,043. INSECTICIDES. SADIE C. WINGATE, doing business as Louisiana Disinfectant Company, Leesville, La.
Filed February 14, 1935. Serial No. 361,406. PUBLISHED APRIL 2, 1935. Class 6.

325,044. LADIES' HOSIERY. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed February 15, 1935. Serial No. 361,413. PUBLISHED MARCH 26, 1935. Class 39.

325,045. BREAD. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill.
Filed February 15, 1935. Serial No. 361,427. PUBLISHED APRIL 2, 1935. Class 46.

325,046. HIGH INTENSITY ELECTRIC ARC LAMPS FOR MOTION PICTURE PROJECTORS. J. E. McAULEY MFG. CO., Chicago, Ill.
Filed February 15, 1935. Serial No. 361,429. PUBLISHED APRIL 2, 1935. Class 21.

325,047. ANTISEPTIC. SCHERING CORPORATION, Bloomfield, N. J.
Filed February 15, 1935. Serial No. 361,442. PUBLISHED APRIL 2, 1935. Class 6.

325,048. CENTRIFUGAL MACHINERY AND EQUIPMENT INCIDENT THERETO FOR THE REFINING OF OILS. THE SHARPLES SPECIALTY COMPANY, Philadelphia, Pa.
Filed February 15, 1935. Serial No. 361,443. PUBLISHED APRIL 2, 1935. Class 23.

325,049. DISHES, PLATES, CUPS, SAUCERS, CASSEROLES, AND OTHER SIMILAR ARTICLES OF TABLEWARE. CONTINENTAL CERAMICS CORPORATION, New York, N. Y.
Filed February 16, 1935. Serial No. 361,454. PUBLISHED APRIL 2, 1935. Class 30.

325,050. TILE. GLADDING, MCBEAN & CO., Los Angeles, Calif.
Filed February 16, 1935. Serial No. 361,464. PUBLISHED APRIL 2, 1935. Class 12.

325,051. COLUMN IN NEWSPAPERS AND PERIODICAL PUBLICATIONS. ALFRED N. PHILLIPS, Jr., Darien, Conn.
Filed February 12, 1935. Serial No. 361,325. PUBLISHED APRIL 2, 1935. Class 38.

325,052. FOOT BALL TABLE GAME PLAYED WITH PIECES. RICHARD E. VEAZEY, New Orleans, La.
Filed February 12, 1935. Serial No. 361,341. PUBLISHED APRIL 2, 1935. Class 22.

325,053. ALE. G. KRUEGER BREWING COMPANY, Newark, N. J.
Filed February 12, 1935. Serial No. 361,318. PUBLISHED APRIL 2, 1935. Class 48.

325,054. SILVER-PLATED FLAT-WARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed February 11, 1935. Serial No. 361,270. PUBLISHED APRIL 2, 1935. Class 28.

325,055. OUTER WEARING APPAREL FOR WOMEN AND GIRLS—NAMELY, DRESSES AND FROCKS. FOREST CITY MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 11, 1935. Serial No. 361,263. PUBLISHED MARCH 26, 1935. Class 39.

325,056. SPRAYING LIME, AGRICULTURAL GYPSUM, AGRICULTURAL LIME, AND AGRICULTURAL LIMESTONE. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed February 9, 1935. Serial No. 361,236. PUBLISHED APRIL 2, 1935. Class 10.

325,057. DRAWING INK. KEUFFEL AND ESSER COMPANY, Hoboken, N. J.
Filed February 9, 1935. Serial No. 361,207. PUBLISHED APRIL 2, 1935. Class 11.

325,058. ELECTRIC INCANDESCENT LAMPS AND RADIO VACUUM TUBES, PACKAGED OR UNPACKAGED. BIRDSEYE ELECTRIC COMPANY, Gloucester, Mass.
Filed January 31, 1935. Serial No. 360,874. PUBLISHED APRIL 2, 1935. Class 21.

325,059. PREPARATIONS FOR MEDICINAL TREATMENT OF THE RESPIRATORY ORGANS INCLUDING COUGHS AND COLDS. WINDT BROS., New York, N. Y.
Filed February 8, 1935. Serial No. 361,200. PUBLISHED APRIL 2, 1935. Class 6.

325,060. SHEET METAL BOXES AND CANS SOLD TO THE TRADE EMPTY FOR USE IN PACKING VARIOUS MANUFACTURED PRODUCTS. THE TIN DECORATING COMPANY OF BALTIMORE, Baltimore, Md.
Filed February 11, 1935. Serial No. 361,291. PUBLISHED APRIL 2, 1935. Class 2.

325,061. ALE. BELMONT BREWING CO., Martins Ferry, Ohio.
Filed October 15, 1934. Serial No. 357,116. PUBLISHED NOVEMBER 20, 1934. Class 48.

325,062. SHRIMP IN CANNED AND PRESERVED CONDITIONS. STONE-DWYER, INC., New Orleans, La.
Filed October 12, 1934. Serial No. 357,070. PUBLISHED APRIL 2, 1935. Class 46.

325,063. FRESH CITRUS FRUITS. MORRIS BROS. FRUIT CO., Los Angeles, Calif.
Filed February 27, 1935. Serial No. 361,898. PUBLISHED APRIL 2, 1935. Class 46.

325,064. BEER. LIEBMANN BREWERIES, INC., Brooklyn, N. Y.
Filed February 26, 1935. Serial No. 361,846. PUBLISHED APRIL 2, 1935. Class 48.

325,065. TABLE OILCLOTH IN THE PIECE, AND TABLE COVERS OF THE SAME MATERIAL. CARTER DRY GOODS COMPANY, INC., Louisville, Ky.
Filed February 26, 1935. Serial No. 361,836. PUBLISHED APRIL 2, 1935. Class 20.

325,066. BEER. SOUTHERN BREWING COMPANY, Tampa, Fla.
Filed February 23, 1935. Serial No. 361,779. PUBLISHED APRIL 2, 1935. Class 48.

325,067. PAPER BAGS. ORCHARD PAPER CO., St. Louis, Mo.
Filed February 23, 1935. Serial No. 361,762. PUBLISHED APRIL 2, 1935. Class 2.

325,068. SKINLESS COD AND HADDOCK FILLETS. THOMAS S. GORTON, JR., doing business as Slade Gorton Co., Chicago, Ill.
Filed February 23, 1935. Serial No. 361,738. PUBLISHED APRIL 2, 1935. Class 46.

325,069. TIMING MECHANISMS FOR INTERNAL COMBUSTION ENGINES AND STORAGE BATTERIES. AUTO-LEC STORES, INC., New Orleans, La.
Filed February 23, 1935. Serial No. 361,716. PUBLISHED APRIL 2, 1935. Class 21.

325,070. NEWSPAPER. END POVERTY LEAGUE, INC., Los Angeles, Calif.
Filed February 19, 1935. Serial No. 361,571. PUBLISHED APRIL 2, 1935. Class 38.

325,071. MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS DUE TO COLDS, AND MINOR BRONCHIAL IRRITATIONS. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 18, 1935. Serial No. 361,555. PUBLISHED APRIL 2, 1935. Class 6.

325,072. ICE CREAM. SILVER ROD STORES SUPPLY CO., INC., Brooklyn, N. Y.
Filed February 18, 1935. Serial No. 361,546. PUBLISHED APRIL 2, 1935. Class 46.

325,073. SHOE CLEANER, SHOE POLISH, AND SHOE DRESSING. SPIROS C. MARKATOS, doing business as Diamond Products Mfg. Co., New York, N. Y.
Filed February 18, 1935. Serial No. 361,529. PUBLISHED APRIL 2, 1935. Class 4.

325,074. TRADE PUBLICATION ISSUED MONTHLY. CONFECTIONERS JOURNAL PUBLISHING COMPANY, Philadelphia, Pa.
Filed February 18, 1935. Serial No. 361,511. PUBLISHED APRIL 2, 1935. Class 38.

325,075. LADIES' AND MISSES' FROCKS AND DRESSES. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,510. PUBLISHED MARCH 26, 1935. Class 39.

325,076. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, APRONS, FROCKS, AND PAJAMAS. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,509. PUBLISHED MARCH 26, 1935. Class 39.

325,077. LADIES', MISSES', AND CHILDREN'S PAJAMAS. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,506. PUBLISHED MARCH 26, 1935. Class 39.

325,078. PERIODICALS PUBLISHED QUARTERLY. AFFILIATED CLOTHIERS, INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,493. PUBLISHED APRIL 2, 1935. Class 38.

325,079. SECTION OR DEPARTMENT OF A MAGAZINE. EMILY ELLEN SCHARF, Lexington, Ky.
Filed February 16, 1935. Serial No. 361,481. PUBLISHED APRIL 2, 1935. Class 38.

325,080. DAILY NEWSPAPER PUBLISHED EVERY DAY EXCEPT SUNDAY AND MONDAY. REPORTER PUBLISHING COMPANY, Abilene, Tex.
Filed February 16, 1935. Serial No. 361,480. PUBLISHED APRIL 2, 1935. Class 38.

325,081. WRITING AND PRINTING PAPER AND PAPETERIES. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass.
Filed January 2, 1935. Serial No. 359,874. PUBLISHED APRIL 2, 1935. Class 37.

325,082. WHISKEY. THE FRANKFORT DISTILLERY, INC., Louisville, Ky., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of West Virginia.
Filed August 3, 1933. Serial No. 340,347. PUBLISHED SEPTEMBER 12, 1933. Class 49.

325,083. WHISKEY. THE FRANKFORT DISTILLERY, INC., Louisville, Ky., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of West Virginia.
Filed August 3, 1933. Serial No. 340,346. PUBLISHED SEPTEMBER 12, 1933. Class 49.

325,084. CHASSIS LUBRICATING OIL. EMEROL MANUFACTURING CO., INC., New York, N. Y.
Filed July 25, 1933. Serial No. 340,086. PUBLISHED MARCH 26, 1935. Class 15.

325,085. MOUTH WASH FOR PREVENTION AND TREATMENT OF AFFLICTIONS OF THE MOUTH AND THROAT. FORD HOPKINS CO., doing business as North American Pharmacal Co., Chicago, Ill.
Filed April 28, 1933. Serial No. 337,255. PUBLISHED JULY 10, 1934. Class 6.

325,086. GASKET SHELLAC COMPOUND. PERMATEX COMPANY, INC., Brooklyn, N. Y.
Filed March 23, 1933. Serial No. 336,019. PUBLISHED APRIL 2, 1935. Class 5.

325,087. ALE. THE GENESEE BREWING CO., INC., Rochester, N. Y.
Filed February 7, 1935. Serial No. 361,238. PUBLISHED APRIL 2, 1935. Class 48.

325,088. HOLLOW CEMENT BLOCK. DAVID STANLEY CORWIN, Greenport, N. Y.
Filed February 1, 1935. Serial No. 360,927. PUBLISHED MARCH 26, 1935. Class 12.

325,089. AIR CONDITIONING UNITS. CHRYSLER CORPORATION, Highland Park, Mich.
Filed January 30, 1935. Serial No. 360,840. PUBLISHED APRIL 2, 1935. Class 34.

325,090. HAIR RESTORER. JOHN J. PETERS, doing business as Cascade Hair Restorative Company, Bakersfield, Calif.
Filed January 29, 1935. Serial No. 360,829. PUBLISHED APRIL 2, 1935. Class 6.

325,091. THUMB GUARDS. MORTON C. MAISH, doing business as Guard Mfg. Co., Cincinnati, Ohio.
Filed January 29, 1935. Serial No. 360,828. PUBLISHED APRIL 2, 1935. Class 44.

325,092. THEATRE TICKETS. FAY BARNES, doing business as Barnes Printing Company, San Angelo, Tex.
Filed January 29, 1935. Serial No. 360,819. PUBLISHED APRIL 2, 1935. Class 38.

325,093. COMBINATION GARMENTS FOR WOMEN COMPRISING A COMBINATION CORSET AND BRASSIÈRE. THE H. W. GOSSARD CO., Chicago, Ill.
Filed January 28, 1935. Serial No. 360,771. PUBLISHED APRIL 2, 1935. Class 39.

325,094. LADIES' HATS. M. APPEL & BRO., INC., New York, N. Y.
Filed January 28, 1935. Serial No. 360,746. PUBLISHED APRIL 2, 1935. Class 39.

325,095. PISTON SKIRT ADJUSTER. UNIFLEX PARTS CO., Akron, Ohio.
Filed January 26, 1935. Serial No. 360,740. PUBLISHED APRIL 2, 1935. Class 23.

325,096. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. ROGER & GALLET, New York, N. Y.
Filed January 26, 1935. Serial No. 360,730. PUBLISHED APRIL 2, 1935. Class 6.

325,097. LAWN OR PORCH SWING. THE GOSHEN MANUFACTURING COMPANY, Goshen, Ind.
Filed January 26, 1935. Serial No. 360,714. PUBLISHED APRIL 2, 1935. Class 32.

325,098. SPARK PLUGS. WILLIAM F. PRICE, doing business as International Spark Plug Co., Merion, Pa.
Filed January 25, 1935. Serial No. 360,682. PUBLISHED APRIL 25, 1935. Class 21.

325,099. HOSIERY. THE NOLDE AND HORST COMPANY, Reading, Pa.
Filed January 25, 1935. Serial No. 360,679. PUBLISHED APRIL 2, 1935. Class 39.

325,100. WELDING RODS. WELDING SERVICE, INC., San Francisco, Calif.
Filed February 8, 1935. Serial No. 361,199. PUBLISHED APRIL 2, 1935. Class 14.

325,101. FRESH, DRIED OR EVAPORATED AND PRESERVED MUSHROOMS. THE NATIONAL MUSHROOM CORPORATION, New York, N. Y.
Filed February 8, 1935. Serial No. 361,180. PUBLISHED APRIL 2, 1935. Class 46.

325,102. NON-ABRASIVE DENTURE CLEANSER HAVING STERILIZING AND DEODORIZING PROPERTIES. GENERAL DENTAL GOODS CO., doing business as General Dental Goods, Inc., Worcester, Mass.
Filed February 8, 1935. Serial No. 361,168. PUBLISHED APRIL 2, 1935. Class 4.

325,103. LEATHER USED IN THE MANUFACTURE OF CLOTHING. BISSELL LEATHER COMPANY, Boston, Mass.
Filed February 8, 1935. Serial No. 361,160. PUBLISHED APRIL 2, 1935. Class 1.

325,104. CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed February 8, 1935. Serial No. 361,157. PUBLISHED APRIL 2, 1935. Class 17.

325,105. CHOCOLATE. RUNKEL BROTHERS, INC., New York, N. Y.
Filed February 7, 1935. Serial No. 361,149. PUBLISHED APRIL 2, 1935. Class 46.

325,106. PERIODICAL LEAFLETS, PAMPHLETS, OR BULLETINS. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio.
Filed February 7, 1935. Serial No. 361,143. PUBLISHED APRIL 2, 1935. Class 38.

325,107. COMPOUND FOR CHILL-PROOFING BEER. DEHLS & STEIN, Newark, N. J.
Filed February 7, 1935. Serial No. 361,139. PUBLISHED APRIL 2, 1935. Class 48.

325,108. MALTED MILK PREPARATION IN POWDERED FORM CONTAINING BANANAS, COD LIVER OIL, VITAMIN B CONCENTRATE AND CHOCOLATE FLAVORING, FOR MAKING MILK BEVERAGES OR SPREADING OVER CEREALS, TOAST OR OTHER FOODS, ETC. TAYTON COMPANY, Kansas City, Mo.
Filed February 6, 1935. Serial No. 361,128. PUBLISHED APRIL 2, 1935. Class 46.

325,109. BEER AND ALE. POINTER BREWING COMPANY, Clinton, Iowa.
Filed February 6, 1935. Serial No. 361,114. PUBLISHED APRIL 2, 1935. Class 48.

325,110. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,074. PUBLISHED APRIL 2, 1935. Class 29.

325,111. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,073. PUBLISHED APRIL 2, 1935. Class 29.

325,112. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,072. PUBLISHED APRIL 2, 1935. Class 29.

325,113. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,071. PUBLISHED APRIL 2, 1935. Class 29.

325,114. PREPARATION FOR THE TREATMENT OF DANDRUFF AND FALLING HAIR. SOAP PRODUCTS, LTD., Long Island City, N. Y.
Filed February 5, 1935. Serial No. 361,065. PUBLISHED APRIL 2, 1935. Class 6.

325,115. GAS-FIRED BOILERS. HOOK MANUFACTURING COMPANY, Pittsburgh and Sharpsburg Station, Pittsburgh, Pa.
Filed February 5, 1935. Serial No. 361,054. PUBLISHED APRIL 2, 1935. Class 34.

325,116. WELDING ELECTRODES. AMERICAN MUREX CORPORATION, New York, N. Y.
Filed February 5, 1935. Serial No. 361,043. PUBLISHED APRIL 2, 1935. Class 14.

325,117. WINES. E. CERRUTI, INC., New York, N. Y.
Filed January 11, 1935. Serial No. 361,037. PUBLISHED APRIL 2, 1935. Class 47.

325,118. SHOES MADE OF LEATHER, RUBBER AND FABRIC AND COMBINATIONS OF THE SAME, FOR WOMEN. BUTLER BROTHERS, Chicago, Ill.
Filed January 11, 1935. Serial No. 360,128. PUBLISHED APRIL 2, 1935. Class 39.

325,119. CAKE MIX. ELSIE CARTY, Pine Bluff, Ark.
Filed January 10, 1935. Serial No. 360,090. PUBLISHED APRIL 2, 1935. Class 46.

325,120. WOMEN'S AND GIRLS' KNITTED BLOUSES, POLO AND BASQUE SHIRTS, AND SWEATERS, SLACKS, SHORTS, BANDANAS, AND MIDDIES, MEN'S AND BOYS' POLO AND BASQUE SHIRTS, JERSEYS, SWEATERS AND SWEAT SHIRTS. FORT SCHUYLER KNITTING COMPANY, Utica, N. Y.
Filed January 7, 1935. Serial No. 359,969. PUBLISHED APRIL 2, 1935. Class 39.

325,121. MOTOR LUBRICATING OIL. SOUTHERN INDEPENDENT OIL & REFINING CO., INC., Evansville, Ind.
Filed January 4, 1935. Serial No. 359,929. PUBLISHED MARCH 26, 1935. Class 15.

325,122. NOISE MAKING DEVICES AND TOY GUNS. KEIJURO TSUKAMOTO, doing business as Raynum Art Co., Los Angeles, Calif.
Filed January 3, 1935. Serial No. 359,900. PUBLISHED APRIL 2, 1935. Class 22.

325,123. TEMPERATURE CONTROLS FOR LIQUID PASTEURIZERS. CHERRY-BURRELL CORPORATION, Wilmington, Del., Chicago, Ill., and Little Falls, N. Y.
Filed January 3, 1935. Serial No. 359,884. PUBLISHED APRIL 2, 1935. Class 28.

325,124. COAL, OIL, AND GAS BURNING HEATING, VENTILATING, AND AIR CONDITIONING UNITS. AMERICAN FURNACE COMPANY, St. Louis, Mo.
Filed January 12, 1935. Serial No. 360,158. PUBLISHED APRIL 2, 1935. Class 34.

325,125. LINIMENT FOR MAN OR BEAST FOR EXTERNAL OR INTERNAL USE, AN EYE LOTION FOR MAN OR BEAST, A HOG CHOLERA MEDICINE, A MEDICINE FOR GLANDERS IN BEASTS, ALSO A PREPARATION FOR MILK FEVER IN BEASTS. LEVI H. BIZZELL, Fayetteville, N. C.
Filed January 14, 1935. Serial No. 360,205. PUBLISHED APRIL 2, 1935. Class 6.

325,126. KNIVES OF ALL TYPES—NAMELY, KITCHEN KNIVES, TABLE KNIVES, HOUSEHOLD KNIVES, BUTCHER KNIVES, SPATULAS, PIE TURNERS, AND CAKE KNIVES ALL OF BASE METAL. CAMILLUS CUTLERY COMPANY, New York, N. Y.
Filed January 14, 1935. Serial No. 360,211. PUBLISHED APRIL 2, 1935. Class 23.

325,127. MEN'S KNITTED OR WOVEN UNDERWEAR, UNION SUITS, SHIRTS AND SHORTS (UNDERWEAR), SWEATERS, SPORT SHIRTS AND SHORTS, BATHING SUITS BOTH ONE AND TWO PIECE, BATHING CAPES. ROBERT REIS & COMPANY, New York, N. Y.
Filed January 14, 1935. Serial No. 360,243. PUBLISHED APRIL 2, 1935. Class 39.

325,128. ELECTRIC INCANDESCENT LAMPS. DUEO-TEST CORPORATION, New York, N. Y.
Filed January 15, 1935. Serial No. 360,268. PUBLISHED APRIL 2, 1935. Class 21.

325,129. DISPLAY DEVICES AND MODELS FOR SHOES AND THE LIKE. SHOE FASHION RESEARCH, INC., New York, N. Y.
Filed January 15, 1935. Serial No. 360,292. PUBLISHED APRIL 2, 1935. Class 50.

325,130. MEN'S AND BOYS' JACKETS, WORK SHIRTS, SPORT SHIRTS, MACKINAWS, AND RAINCOATS. LUSTBERG, NAST & Co. INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,318. PUBLISHED APRIL 2, 1935. Class 39.

325,131. GRINDING MACHINES FOR METAL WORKING. ESS S. MCGONEGAL, doing business as The McGonegal Manufacturing Company, East Rutherford, N. J.
Filed January 17, 1935. Serial No. 360,367. PUBLISHED APRIL 2, 1935. Class 23.

325,132. BRUSHES OF SUITABLE MATERIALS AND FORM FOR USE WITH ELECTRICAL MACHINES FOR COMMUTATION AND LIKE PURPOSES. MAURICE E. NORTHROP, New Hamburg, N. Y.
Filed January 17, 1935. Serial No. 360,370. PUBLISHED APRIL 2, 1935. Class 21.

325,133. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed January 19, 1935. Serial No. 360,437. PUBLISHED MARCH 26, 1935. Class 42.

325,134. CROCHET AND KNITTING YARN. LILY MILLS COMPANY, Shelby, N. C.
Filed January 19, 1935. Serial No. 360,440. PUBLISHED MARCH 26, 1935. Class 43.

325,135. HOSIERY. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed January 21, 1935. Serial No. 360,457. PUBLISHED MARCH 26, 1935. Class 39.

325,136. LADIES' KNITTED DRESSES. APOLLO KNITTING MILLS, New York, N. Y.
Filed January 22, 1935. Serial No. 360,519. PUBLISHED APRIL 2, 1935. Class 39.

325,137. METAL CANS SOLD TO THE TRADE EMPTY. CONTINENTAL CAN COMPANY, INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,526. PUBLISHED APRIL 2, 1935. Class 2.

325,138. METAL CANS SOLD TO THE TRADE EMPTY. CONTINENTAL CAN COMPANY, INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,527. PUBLISHED APRIL 2, 1935. Class 2.

325,139. OVERALLS AND WORK SHIRTS. E. B. PARTRIDGE, INCORPORATED, Atlanta, Ga.
Filed January 22, 1935. Serial No. 360,547. PUBLISHED APRIL 2, 1935. Class 39.

325,140. GASTRO INTESTINAL PREPARATION. MILTON HERMAN, doing business as Franco American Drug Co., Mount Vernon, N. Y.
Filed January 23, 1935. Serial No. 360,590. PUBLISHED APRIL 2, 1935. Class 6.

325,141. BREAD. THE E. H. KOESTER BAKING COMPANY, Baltimore, Md.
Filed January 23, 1935. Serial No. 360,595. PUBLISHED APRIL 2, 1935. Class 46.

325,142. LEATHER. R. NEUMANN & COMPANY, Hoboken, N. J.
Filed January 24, 1935. Serial No. 360,646. PUBLISHED APRIL 2, 1935. Class 1.

325,143. RUBBER GLOVES FOR HOUSEHOLD OR INDUSTRIAL USE. THE WILSON RUBBER COMPANY, Canton, Ohio.
Filed January 24, 1935. Serial No. 360,655. PUBLISHED APRIL 2, 1935. Class 39.

325,144. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed August 17, 1934. Serial No. 353,114. PUBLISHED APRIL 2, 1935. Class 6.

325,145. WHISKY. BOOTH'S DISTILLERIES LIMITED, London, England.
Filed August 22, 1934. Serial No. 355,290 PUBLISHED OCTOBER 23, 1934. Class 49.

325,146. VENTILATING FANS. BENDIX PRODUCTS CORPORATION, South Bend, Ind.
Filed August 23, 1934. Serial No. 355,345. PUBLISHED APRIL 2, 1935. Class 34.

325,147. WINES. PADRE VINEYARD COMPANY, Los Angeles, Calif.
Filed September 8, 1934. Serial No. 355,851. PUBLISHED APRIL 2, 1935. Class 47.

325,148. WHEAT FLOUR. YUKON MILL AND GRAIN COMPANY, Yukon, Okla.
Filed September 15, 1934. Serial No. 356,090. PUBLISHED APRIL 2, 1935. Class 46.

325,149. WHEAT FLOUR. YUKON MILL AND GRAIN COMPANY, Yukon, Okla.
Filed September 15, 1934. Serial No. 356,091. PUBLISHED APRIL 2, 1935. Class 46.

325,150. WHEAT FLOUR. YUKON MILL AND GRAIN COMPANY, Yukon Okla.
Filed September 15, 1934. Serial No. 356,092. PUBLISHED APRIL 2, 1935. Class 46.

325,151. CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed September 29, 1934. Serial No. 356,574. PUBLISHED APRIL 2, 1935. Class 23.

325,152. WHISKY. CHIVAS BROTHERS, Aberdeen, Scotland.
Filed October 24, 1933. Serial No. 342,839. PUBLISHED JANUARY 2, 1934. Class 49.

325,153. WHISKEY AND OTHER POTABLE DISTILLED SPIRITS. JOS. S. FINCH & COMPANY, New York, N. Y
Filed November 10, 1933. Serial No. 343,502. PUBLISHED DECEMBER 26, 1933. Class 49.

325,154. CLOTHING—NAMELY, PANTS AND SUITS FOR MEN AND SUITS, COATS, SKIRTS, AND DRESSES FOR WOMEN. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C.
Filed November 18, 1933. Serial No. 343,821. PUBLISHED JULY 10, 1934. Class 39.

325,155. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. TROPICAL BEVERAGE COMPANY, New Haven, Conn.
Filed January 21, 1934. Serial No. 346,483. PUBLISHED MARCH 19, 1935. Class 45.

325,156. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENTS. LA FABRICA DE CERVEZA DE SAN MIGUEL-SAN MIGUEL BREWERY, Manila, P. I.
Filed January 26, 1934. Serial No. 346,580. PUBLISHED APRIL 2, 1935. Class 48.

325,157. BOWLS, BASINS, PANS, POTS, AND PITCHERS MADE OF BASE METALS AND ALLOYS, ESPECIALLY NICKEL OR ALLOYS OF NICKEL AND/OR COPPER. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed February 16, 1934. Serial No. 347,446. PUBLISHED APRIL 2, 1935. Class 13.

325,158. SCOTCH WHISKEY. ROBERT R. CARROLL & CO., INC., New York, N. Y.
Filed February 26, 1934. Serial No. 348,115. PUBLISHED MAY 22, 1934. Class 49.

325,159. WHISKEY. YOUNG'S MARKET COMPANY, Los Angeles, Calif.
Filed March 5, 1934. Serial No. 348,213. PUBLISHED MAY 15, 1934. Class 49.

325,160. WHISKEY. PHILIP BLUM & CO., INC., Chicago, Ill.
Filed March 17, 1934. Serial No. 348,743. PUBLISHED APRIL 24, 1934. Class 49.

325,161. WHISKEY. PENN-MARYLAND, INC., New York N. Y.
Filed March 21, 1934. Serial No. 348,927. PUBLISHED JUNE 5, 1934. Class 49.

325,162. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER, AND HOSIERY. G. R. KINNEY CO., INC., New York, N. Y.
Filed November 15, 1934. Serial No. 358,254. PUBLISHED APRIL 2, 1935. Class 39.

325,163. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER, AND HOSIERY. G. R. KINNEY CO., INC., New York, N. Y.
Filed November 15, 1934. Serial No. 358,255. PUBLISHED APRIL 2, 1935. Class 39.

325,164. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed August 17, 1934. Serial No. 355,113. PUBLISHED APRIL 2, 1935. Class 6.

325,165. TEXTILE FABRICS—NAMELY, WOOL, COTTON, SILK, RAYON, AND FLANNEL. COLONY SALES CORPORATION, New York, N. Y.
Filed August 16, 1934. Serial No. 355,056. PUBLISHED APRIL 2, 1935. Class 42.

325,166. ELECTRIC SPOT LIGHTS FOR VEHICLES. THE S. H. THOMSON MANUFACTURING COMPANY, Dayton, Ohio.
Filed August 3, 1934. Serial No. 354,642. PUBLISHED APRIL 2, 1935. Class 21.

325,167. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,626. PUBLISHED SEPTEMBER 4, 1934. Class 49.

325,168. CAMERAS AND PROJECTING MACHINES, CONTINUOUS REELS, ADAPTABLE SOUND HEADS, AND REWINDING MACHINES FOR MOVING PICTURE FILMS. CASTEEL RESEARCH LABORATORIES, INC., New York, N. Y.
Filed August 3, 1934. Serial No. 354,616. PUBLISHED APRIL 2, 1935. Class 26.

325,169. LADIES' SHOES MADE OF LEATHER. THE ENTROTH SHOE COMPANY, Boston, Mass.
Filed July 24, 1934. Serial No. 354,247. PUBLISHED OCTOBER 2, 1934. Class 39.

325,170. WINES. M. BAUER, Vienna, Austria.
Filed July 17, 1934. Serial No. 353,976. PUBLISHED APRIL 2, 1935. Class 47.

325,171. SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF THESE MATERIALS. THE EXCELSIOR SHOE COMPANY, Portsmouth, Ohio.
Filed July 14, 1934. Serial No. 353,884. PUBLISHED SEPTEMBER 25, 1934. Class 39.

325,172. WHISKEY. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa.
Filed June 28, 1934. Serial No. 353,276. PUBLISHED AUGUST 14, 1934. Class 49.

325,173. AMERICAN-MADE RYE AND BOURBON WHISKIES, AND GIN. ROGERS DISTILLERIES CO., Chicago, Ill.
Filed June 25, 1934. Serial No. 353,148. PUBLISHED JULY 31, 1934. Class 49.

325,174. SALVE AND OINTMENT FOR THE TREATMENT OF POISON IVY POISONING. LOUIS DICKENS, doing business as P. C. L. O. Co., New York, N. Y.
Filed June 16, 1934. Serial No. 352,783. PUBLISHED SEPTEMBER 25, 1934. Class 6.

325,175. WINES. GARRETT AND COMPANY INCORPORATED, Brooklyn, N. Y.
Filed June 8, 1934. Serial No. 352,436. PUBLISHED APRIL 2, 1935. Class 47.

325,176. LEDGER PAPER. CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass.
Filed June 1, 1934. Serial No. 352,130. PUBLISHED APRIL 2, 1935. Class 37.

325,177. INNER TUBES FOR TIRES. LEE RUBBER & TIRE CORPORATION, Conshohocken, Pa.
Filed May 31, 1934. Serial No. 352,086. PUBLISHED APRIL 2, 1935. Class 35.

325,178. WHISKEY. MARYLAND WINE & SPIRITS CORPORATION, Baltimore, Md.
Filed May 12, 1934. Serial No. 351,269. PUBLISHED JUNE 19, 1934. Class 49.

325,179. WINES. SAMUEL MILANESE, doing business as Superior Wine Company, New York, N. Y.
Filed January 29, 1934. Serial No. 346,701. PUBLISHED MARCH 20, 1934. Class 47.

325,180. COFFEE. D. B. HODGSDON, New York, N. Y.
Filed November 3, 1934. Serial No. 357,861. PUBLISHED APRIL 2, 1935. Class 46.

325,181. HOT SAUCE, PEPPER POD SAUCE, BARBECUE SAUCE, COCKTAIL SAUCE, MUSTARD, SANDWICH SPREAD, COOKED PICKLE HOT STUFF, CREOLE CHOW CHOW, ETC. EDMOND BULLIARD, doing business as Acadian Certified Products, St. Martinville, La.
Filed November 3, 1934. Serial No. 357,851. PUBLISHED APRIL 2, 1935. Class 46.

325,182. TOBACCO PRODUCTS, PARTICULARLY CIGARETTES. COCKTAIL HOUR CIGARETTES, INC., Indianapolis, Ind.
Filed November 2, 1934. Serial No. 357,806. PUBLISHED APRIL 2, 1935. Class 17.

325,183. WELL DRILLING EQUIPMENT—NAMELY, CORING EQUIPMENT, UNDERREAMERS, DRILLING BITS, ROCK BITS, REAMERS, DRILL PIPE STABILIZERS, TUBING SWABS, BACK PRESSURE FLOAT VALVES, FINGERBOARDS FOR WELL DERRICKS. GLOBE OIL TOOLS CO., Los Nietos, Calif.
Filed October 29, 1934. Serial No. 357,629. PUBLISHED APRIL 2, 1935. Class 23.

325,184. COAL, OIL, AND GAS BURNING HEATING, VENTILATING, AND AIR CONDITIONING UNITS. AMERICAN FURNACE COMPANY, St. Louis, Mo.
Filed January 12, 1935. Serial No. 360,157. PUBLISHED APRIL 2, 1935. Class 34.

325,185. LADIES', MISSES', AND CHILDREN'S CLOTHING—NAMELY, STEPINS, CHEMISES, PAJAMAS, NIGHTGOWNS, IN SILK, RAYON, AND COTTON, SKIRTS IN WOOL, COTTON, AND SILK, TUB FROCKS IN WOOL, SILK, COTTON, AND SYNTHETIC YARNS, AND UNDERWEAR. MAID WELL MFG. CO., Seattle, Wash.
Filed December 31, 1934. Serial No. 359,805. PUBLISHED MARCH 26, 1935. Class 39.

325,186. BRASSIÈRES. THE MARJA BRASSIERE COMPANY, Dallas, Tex.
Filed December 29, 1934. Serial No. 359,763. PUBLISHED APRIL 2, 1935. Class 39.

325,187. YARN. THOMAS H. BALL, doing business as Fleecy Dale Yarn Company, Philadelphia, Pa.
Filed December 29, 1934. Serial No. 359,737. PUBLISHED MARCH 26, 1935. Class 43.

325,188. TOOTHPASTE. THE NORSEC COMPANY, Jersey City, N. J.
Filed December 29, 1934. Serial No. 359,518. PUBLISHED APRIL 2, 1935. Class 6.

325,189. CONCENTRATED MILK WHEY CONTAINING ADDED MILK WHEY MINERALS, ADAPTED FOR USE IN FOOD BEVERAGES OR FOR SPRINKLING OVER FOODS, AND IT MAY BE TAKEN SEPARATELY AS A BEVERAGE. PROTEIN MINERAL CO INC., New York, N. Y.
Filed December 15, 1934. Serial No. 359,419. PUBLISHED APRIL 2, 1935. Class 46.

325,190. HAIR DYE. ALFONSO ORZO, doing business as the Gloria Manufacturing Co., New York, N. Y.
Filed December 12, 1934. Serial No. 359,236. PUBLISHED APRIL 2, 1935. Class 6.

325,191. EMPTY VANITY CASES OF BASE METAL, ENAMEL, AND ALLOYS. VAN CLEEF & ARPELS, Paris, France.
Filed December 10, 1934. Serial No. 359,157. PUBLISHED APRIL 2, 1935. Class 2.

325,192. HATS FOR MEN, WOMEN, AND CHILDREN. HAWLEY PRODUCTS COMPANY, St. Charles, Ill.
Filed December 10, 1934. Serial No. 359,130. PUBLISHED APRIL 2, 1935. Class 39.

325,193. HATS FOR MEN, WOMEN, AND CHILDREN. HAWLEY PRODUCTS COMPANY, St. Charles, Ill.
Filed December 10, 1934. Serial No. 359,129. PUBLISHED APRIL 2, 1935. Class 39.

325,194. EMBLEMS ADAPTED TO BE AFFIXED TO GOODS FOR ORNAMENTATION THEREOF. FRANCES EMBLEMS INC., New York, N. Y.
Filed December 10, 1934. Serial No. 359,126. PUBLISHED APRIL 2, 1935. Class 40.

325,195. AUTOMOBILES AND CHASSIS. ROLLS-ROYCE LIMITED, Derby, England.
Filed December 6, 1934. Serial No. 359,008. PUBLISHED APRIL 2, 1935. Class 19.

325,196. SHAVING CREAM. NOSTANE PRODUCTS CORPORATION, doing business as Ye Olde Company, Brooklyn, N. Y.
Filed December 5, 1934. Serial No. 358,942. PUBLISHED APRIL 2, 1935. Class 4.

325,197. LEATHER SKINS. SILCO LEATHERS, INC., New York, N. Y.
Filed December 3, 1934. Serial No. 358,862. PUBLISHED APRIL 2, 1935. Class 1.

325,198. LUBRICATING OILS AND GREASES. MARQUETTE PETROLEUM PRODUCTS, INC., Chicago, Ill.
Filed November 28, 1934. Serial No. 358,739. PUBLISHED MARCH 26, 1935. Class 15.

325,199. FRESH CITRUS FRUITS; FRESH DECIDUOUS FRUITS; FRESH VEGETABLES, MELONS, AND GRAPES. D. W. JOHNSTON, doing business as Crystal Packing Co., Los Angeles, Calif.
Filed November 28, 1934. Serial No. 358,736. PUBLISHED APRIL 2, 1935. Class 46.

325,200. ELECTRIC HAND LANTERNS, ELECTRIC BICYCLE LAMPS, ELECTRIC VEHICLE LAMPS, ELECTRIC HORNS, AND ELECTRIC SWITCHES FOR USE IN CONNECTION THEREWITH AND FOR OTHER PURPOSES. DELTA ELECTRIC COMPANY, Marion, Ind.
Filed November 22, 1934. Serial No. 358,517. PUBLISHED APRIL 2, 1935. Class 21.

325,201. HERB TEA, USEFUL AS A TONIC AND STOMACH REGULATOR. M. BOGUSZEWSKI, Harrison, N. J.
Filed November 21, 1934. Serial No. 358,468. PUBLISHED APRIL 2, 1935. Class 6.

325,202. LUBRICATING OIL. THE INDEPENDENT LUBRICATING COMPANY, INC., Topeka, Kans.
Filed November 19, 1934. Serial No. 358,368. PUBLISHED MARCH 26, 1935. Class 15.

325,203. ALCOHOLIC COCKTAILS. THE TOWN HOUSE CORPORATION, Reno, Nev.
Filed November 17, 1934. Serial No. 358,344. PUBLISHED FEBRUARY 12, 1935. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

325,204. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 25, 1933. Serial No. 342,897.

Sevilla Rum

For Rum.
Claims use since Oct. 11, 1933.

325,205. (CLASS 48. MALT BEVERAGES AND LIQUORS.) SALINAS BREWING & ICE COMPANY, Salinas, Calif. Filed Apr. 9, 1934. Serial No. 349,748.

Monterey

For Beer.
Claims use since Mar. 27, 1934.

325,206. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GORDON-O'NEILL CO. INC., New York, N. Y. Filed May 12, 1934. Serial No. 351,280.

RHUM-PINA PUNCH

For Alcoholic Punch.
Claims use since May 7, 1934.

325,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. APPLEBY, doing business as Nearby Poultry Farms, Philadelphia, Pa. Filed June 13, 1934. Serial No. 352,602.

"X-RAYD" 24 HOURS CERTIFIED

For Dressed Poultry and Eggs.
Claims use since Mar. 1, 1934.

325,208. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LORREE MERCANTILE COMPANY, Kansas City, Mo. Filed July 20, 1934. Serial No. 354,125.

Edgefield

For Whiskey.
Claims use since May 1, 1934.

325,209. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Sept. 24, 1934. Serial No. 356,363.

Helene Curtis

For Machines for Permanently Waving Hair, and Equipment, Consisting of Electrical Heaters, Spacers, Curling Rods, Felts, Smoothing Pins, Shields, Clips, Hair Dryers, Permanent Waving Pads, Wire Adaptors, and Insulating Shields.
Claims use since June 1, 1928.

325,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. E. MIGHTON, doing business as S. E. Mighton Co., Warrensville, Ohio. Filed Oct. 16, 1934. Serial No. 357,177.

Mighton's #1

For Prepared Food for Dogs, Cats, Puppies, and Foxes.
Foxes
Claims use since May 1, 1934.

325,211. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROY S. WOODARD, doing business as The Custom-Bilt Co., Kansas City, Mo. Filed Feb. 18, 1935. Serial No. 361,556.

Custom-Bilt

For Base Metal Cooking Hollow Ware.
Claims use since Mar. 1, 1934.

325,212. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. V. S. MANUFACTURING CO., Flint, Mich. Filed Feb. 26, 1935. Serial No. 361,835.

Flint

For Spark Plugs.
Claims use since Mar. 1, 1933.

325,213. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY, INC., Staten Island, N. Y. Filed Mar. 9, 1935. Serial No. 362,650.

MURAL-TONE

For Water Paint in Paste Form to be Mixed with Water and Used as a Wall Paint or Decorative Wall Coating.
Claims use since Oct. 1, 1925.

325,214. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) I. L. LYONS & CO., LTD., New Orleans, La. Filed Apr. 19, 1935. Serial No. 363,979.

Robertson County

For Sour Mash Bourbon Whiskey.
Claims use since 1919.

325,215. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ANGELINA SPICA, New York, N. Y. Filed Apr. 30, 1935. Serial No. 364,398.

AMERICANA

For Alcoholic Bitters, Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Mar. 1, 1934.

TRADE-MARK REGISTRATIONS RENEWED

103,774. MEDICINAL FOODS FOR INVALIDS AND PERSONS OF WEAK DIGESTION OR IN BAD HEALTH. Registered April 13, 1915. THE ARLINGTON CHEMICAL CO. Renewed April 13, 1935, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York, assignee.

103,934. REMEDY FOR SKIN AND SCALP DISEASES. Registered April 20, 1915. THE AM-O-LOX COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed April 20, 1935.

104,110. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Registered April 27, 1915. TEXTILE PRODUCTS COMPANY, Boston, Mass. Renewed April 27, 1935 to Mayflower Dress Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

104,298. WASTE PRINTED PAPERS FOR REMANUFACTURE. Registered May 18, 1915. W. V. BOWATER & SONS LTD. Renewed May 18, 1935, to W. V. Bowater & Sons Ltd., London, England, an incorporated company of Great Britain and Ireland, successor.

104,485. CURTAINS AND DRAPERIES. Registered June 1, 1915. THE SCRANTON LACE COMPANY, Scranton, Pa., a corporation of Pennsylvania. Renewed June 1, 1935.

104,712. TOILET-PAPER AND WRITING, PRINTING, MANIFOLD, TISSUE, AND COVER PAPER. Registered June 15, 1915. C. H. DEXTER & SONS, INCORPORATED, Windsor Locks, Conn., a corporation of Connecticut. Renewed June 15, 1935.

105,254. INSULATED ELECTRIC WIRES. Registered July 13, 1915. DETROIT INSULATED WIRE COMPANY, Detroit, Mich. Renewed July 13, 1935, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee.

105,255. INSULATED ELECTRIC WIRES. Registered July 13, 1915. DETROIT INSULATED WIRE COMPANY, Detroit, Mich. Renewed July 13, 1935, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee.

105,389. CERTAIN NAMED CUTLERY, TOOLS, AND MACHINERY. Registered July 20, 1915. CURTIS & CO. M'F'G CO. Renewed July 20, 1935, to Curtis Manufacturing Company, Wellston, Mo., a corporation of Missouri, by change of name.

105,984. TEA, COFFEE, SPICES, OLIVE-OILS, CHIPPED BEEF AND CERTAIN NAMED CANNED FRUITS AND VEGETABLES. Registered September 7, 1915. LIPPINCOTT & CO., Philadelphia and Altoona, Pa. Renewed September 7, 1935, to Charles W. Kipp, Riverton, N. J., assignee.

106,118. PIPES AND TUBES. Registered October 12, 1915. NATIONAL TUBE COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Renewed October 12, 1935.

106,141. POLISHES FOR RESTORING THE FINISH ON VARNISHED-SURFACE WORK. Registered October 12, 1915. BERRY BROTHERS, Detroit, Mich., a corporation of Michigan. Renewed October 12, 1935.

106,193. BRAKE-SHOES. Registered October 19, 1915. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Renewed October 19, 1935, to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee.

106,203. A VIBURNUM COMPOUND. Registered October 19, 1915. JAMES C. BEACH, M. D. Renewed October 19, 1935, to The Viburno Company, Incorporated, New York, N. Y., a corporation of New York, assignee by mesne assignments.

106,214. SALERATUS, BICARBONATE OF SODA, AND SAL-SODA. Registered October 19, 1915. CHURCH & DWIGHT Co. Renewed October 19, 1935, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee.

106,215. SALERATUS, BICARBONATE OF SODA, AND SAL-SODA. Registered October 19, 1915. CHURCH & DWIGHT Co. Renewed October 19, 1935, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee.

106,216. SALERATUS, BICARBONATE OF SODA, AND SAL-SODA. Registered October 19, 1915. CHURCH & DWIGHT Co. Renewed October 19, 1935, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee.

106,221. A REMEDY FOR FEMALE AILMENTS. Registered October 19, 1915. DAVIS & LAWRENCE CO., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,233. ENAMELED-METAL DOOR-PLATES. Registered October 19, 1915. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Renewed October 19, 1935.

106,280. BRAKE-SHOES. Registered October 19, 1915. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Renewed October 19, 1935, to The American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee.

106,297. ELECTRIC-CONDUIT PIPE. Registered October 19, 1915. CENTRAL TUBE COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed October 19, 1935.

106,303. CERTAIN NAMED PREPARATIONS FOR UNDERTAKERS' USE. Registered October 19, 1915. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn., a corporation of Connecticut. Renewed October 19, 1935.

106,306. SHOES. Registered October 19, 1915. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,464. AN ABSORBENT AND ANTISEPTIC DUSTING-POWDER FOR USE IN CERTAIN NAMED DISEASES. Registered October 19, 1915. GERHARD MENNEN CHEMICAL CO. Renewed October 19, 1935, to The Mennen Company, Newark, N. J., a corporation of New Jersey, by change of name.

106,470. ESSENCE FOR COFFEE. Registered October 19, 1915. NATIONAL ESSENCE FOR COFFEE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed October 19, 1935.

106,478. AN ALTERATIVE MIXTURE, TONIC, AND LAXATIVE. Registered October 19, 1915. NYAL COMPANY, Detroit, Mich., a corporation of Michigan. Renewed October 19, 1935.

106,490. PLOWS. Registered October 19, 1915. PARLIN & ORENDORFF COMPANY, Canton, Ill. Renewed October 19, 1935, to International Harvester Company, Chicago, Ill., a corporation of New Jersey, assignee.

106,590. CITRUS FRUITS. Registered October 26, 1915. FLORIDA CITRUS EXCHANGE, Tampa, Fla., a corporation of Florida. Renewed October 26, 1935.

106,602. WHEAT-FLOUR. Registered October 26, 1915. THE HAYS CITY MILLING AND ELEVATOR COMPANY, Hays, Kans. Renewed October 26, 1935, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

LABELS.

REGISTERED JUNE 11, 1935

45,764.—*Title:* ABBOTTS DE LUXE SOUR CREAM. For Sour Cream. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published March 1, 1935.

45,765.—*Title:* ABBOTTS DE LUXE CULTERED BUTTERMILK. For Buttermilk. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published March 8, 1935.

45,766.—*Title:* ABBOTTS MILK VITAMIN D IRRADIATED. For Milk. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published February 21, 1935.

45,767.—*Title:* RELAXATION—BUNION PADS. For Bunion Pads. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,768.—*Title:* RELAXATION—CALLUS PADS. For Callus Pads. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,769.—*Title:* RELAXATION—THE SAFE CORN AND CALLUS REMOVER. For Preparation for Removing Corns and Callus. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,770.—*Title:* ABC. For Root Beer. AMERICAN BEVERAGE COMPANY, INC., New Orleans, La. Published April 10, 1935.

45,771.—*Title:* BLUE GRASS WINNER. For Beer. JOHN C. BRUCKMANN, Cincinnati, Ohio. Published April 1, 1935.

45,772.—*Title:* CARPENTER WATER-HARD MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,773.—*Title:* CARPENTER WATER TOUGH MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,774.—*Title:* CARPENTER WATER-WEAR MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,775.—*Title:* CARPENTER RED-HARD MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,776.—*Title:* CARPENTER RED-TOUGH MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,777.—*Title:* CARPENTER RED-WEAR MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published April 29, 1935.

45,778.—*Title:* COLOMBINA BRAND EFFERVESCENT PREPARATION. For an Effervescent Preparation Having Antacid Properties as an Aid to Digestion. HUGO COLOMBI, doing business as Effervescente Co., New York, N. Y. Published February 23, 1935.

45,779.—*Title:* COLT EXCELLENCE. For Shoes. COLT SHOES, INC., Boston, Mass. Published August 30, 1934.

45,780.—*Title:* ICE CREAM. For Ice Cream. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Published July 17, 1933.

45,781.—*Title:* MOR-A D-F. For Pads for Permanent Waving. DEALERS SUPPLY COMPANY, Cleveland, Ohio. Published February 15, 1932.

45,782.—*Title:* DELCO-REMY SERVICE PARTS, COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published June 28, 1933.

45,783.—*Title:* DELCO-REMY SERVICE PARTS, ARM. For Arms. DELCO-REMY CORPORATION, Anderson, Ind. Published February 23, 1933.

45,784.—*Title:* DELCO-REMY SERVICE PARTS, DISTRIBUTOR CAP. For Distributor Caps. DELCO-REMY CORPORATION, Anderson, Ind. Published February 23, 1933.

45,785.—*Title:* DELCO-REMY SERVICE PARTS, ROTOR. For Rotors. DELCO-REMY CORPORATION, Anderson, Ind. Published February 23, 1933.

45,786.—*Title:* EVERIX. For Bread. EVERIX BAKING CO., Chilton, Wis. Published May 1, 1935.

45,787.—*Title:* KITCHEN KLENZER. For Cleaning and Scouring Compound in Finely Divided Form for Household Use. FITZPATRICK BROS. INC., Chicago, Ill. Published May 3, 1935.

45,788.—*Title:* HAIRIGHT SCALP POMADE. For Scalp Pomade. FORTUNE LABORATORIES, INC., New York, N. Y. Published January 10, 1935.

45,789.—*Title:* REAL FACTS ABOUT ICE CREAM. For Ice Cream. FOSTER & CROSS, INC., Brooklyn, N. Y. Published May 3, 1935.

45,790.—*Title:* PEP-TI-KAO. For Antacid Alkalizer. THE GENERAL PHARMACAL COMPANY, Cincinnati, Ohio. Published April 20, 1935.

45,791.—*Title:* HIGH HAT. For D'stilled Dry Gin. EDWARD J. GOLDIE IMPORTATION CO., San Francisco, Calif. Published April 18, 1935.

45,792.—*Title:* GOSMAN'S. For Root Beer. THE GOSMAN COMPANY, Baltimore, Md. Published April 15, 1935.

45,793.—*Title:* HEUBLEIN. For Whiskey. G. F. HEUBLEIN & BRO., Hartford, Conn. Published April 19, 1935.

45,794.—*Title:* HUNNY GIRL. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 15, 1935.

45,795.—*Title:* BARBARA LEE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 15, 1935.

45,796.—*Title:* THEY SEE THE BOX FIRST. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 25, 1935.

45,797.—*Title:* ORIGINATORS OF SMART SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 18, 1935.

45,798.—*Title:* THE GOOD VALUE SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 18, 1935.

45,799.—*Title:* LONG'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 18, 1935.

45,800.—*Title:* JACK STOLPER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 17, 1935.

45,801.—*Title:* DISTINCTIVE FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 8, 1935.

45,802.—*Title:* CARROT BREAD. For Bread. JOHN T. JACOBUS, New Rochelle, N. Y. Published May 10, 1935.

45,803.—*Title:* BABY'S BEST MILK, MADE EXCLUSIVELY FOR BABIES, CONSULT YOUR PHYSICIAN FOR FORMULA. For Milk. FRANCIS CHARLES LANE, doing business as Dr. F. C. Lane, Merrill, Wis. Published March 25, 1935.

45,804.—*Title:* WHITE MAGIC. For White Shoe Dressing. MOHL BROS., Philadelphia, Pa. Published March 1, 1935.

45,805.—*Title:* ADAM'S HEALTHY-HERB TONIC. For a Medicinal Preparation. ADAM OGNJENOVICH, Detroit, Mich. Published April 15, 1935.

45,806.—*Title:* KAPUZINER. For Beer. PIEL BROS., INC., Brooklyn, N. Y. Published December 14, 1934.

45,807.—*Title:* LAMBO PRODUCT CO. KNITWEAR. For Knitwear. SACKS-SONS CARTON CO., INC., Brooklyn, N. Y. Published March 12, 1935.

45,808.—*Title:* UNICA BRAND. For Neapolitan Spaghetti Sauce. FRANCESCO SANTELLI, Atlantic City, N. J. Published October 20, 1932.

45,809.—*Title:* RAMS HEAD. For Ale. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Published April 22, 1935.

45,810.—*Title:* VANILLA. For Vanilla Pure Extract. A. SCHILLING & COMPANY, San Francisco, Calif. Published October 1, 1933.

45,811.—*Title:* CALIFORNIA STYLE. For Bread. SCHULZE BAKING COMPANY, Kansas City, Mo. Published December 20, 1934.

45,812.—*Title:* DIRO. For Peroxide. SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa. Published February 9, 1933.

45,813.—*Title:* O'SHEAS PRIVATE STOCK. For Blended Whiskey. JAMES J. SHEA, New York, N. Y. Published April 8, 1935.

45,814.—*Title:* THE PROSPECT. For Mattresses. SLEEPER PRODUCTS, INC., Chicago, Ill. Published April 3, 1935.

45,815. *Title:* DRUMRIGHT'S OLD FASHIONED SOUTHERN STYLE PORK BARBECUE. For a Pork Product. SOUTHERN STYLE FOODS, INC., Nashville, Tenn. Published February 1, 1935.

45,816.—*Title:* TENDER LEAF. For Tea Bags. STANDARD BRANDS INCORPORATED, New York, N. Y. Published May 1, 1935.

45,817.—*Title:* GREEN LABEL. For Tea Bags. STANDARD BRANDS INCORPORATED, New York, N. Y. Published May 1, 1935.

45,818.—*Title:* STANDARD SPARKLING ALE. For Ale. STANDARD BREWING COMPANY, INC., Rochester, N. Y. Published May 1, 1935.

45,819.—*Title:* STANDARD ALE. For Ale. STANDARD BREWING COMPANY, INC., Rochester, N. Y. Published May 1, 1935.

45,820.—*Title:* STANDARD ALE. For Ale. STANDARD BREWING COMPANY, INC., Rochester, N. Y. Published May 1, 1935.

45,821.—*Title:* STANDARD SPARKLING ALE. For Ale. STANDARD BREWING COMPANY, INC., Rochester, N. Y. Published May 1, 1935.

45,822.—*Title:* THOS. H. STEVENSON'S MORNING GEM HEADACHE POWDER. For Powder Used as a Treatment for Simple Headaches, Constipation, Biliousness, Sour Stomach Sweetener and Relief of Sea-Sickness. FRANCIS B. STEVENSON, San Francisco, Calif. Published December 10, 1934.

45,823.—*Title:* MISSION. For Tuna. VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif. Published January 21, 1935.

45,824.—*Title:* LUXAMIN PALATABLE YEAST VITAMIN EXTRACT. For Vitamin Yeast Extract. VITA-LUX PRODUCTS, INC., New York, N. Y. Published April 1, 1935.

45,825.—*Title:* FIESTA DISTILLED DRY GIN. For Distilled Dry Gin. HARRY WALTERS, Kansas City, Mo. Published April 19, 1935.

45,826.—*Title:* VAN DE'. For Hosiery. WOHL SHOE COMPANY, St. Louis, Mo. Published January 2, 1935.

PRINTS

REGISTERED JUNE 11, 1935

15,214.—*Title:* KILL RATS AND MICE WITH RAFEDES TID-BITS. For a Preparation for Killing Rats and Mice. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

15,215.—*Title:* WHILE THEY LAST FREE! WITH 2 PACKAGES OF WHEATIES NEW "SHIRLEY TEMPLE" OCCASION DISH. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 1, 1935.

15,216.—*Title:* I'D RATHER FACE A THOUSAND SPIKES THAN ANOTHER BLOW-OUT (Ad. No. GBC-48). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published May 11, 1935.

15,217.—*Title:* A CAR THAT FAIRLY FLIES. For Automobiles. CHARLES S. HENSHAW, Boston, Mass. Published January 18, 1935.

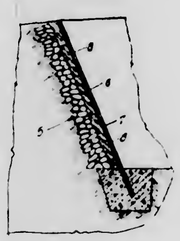
15,218.—*Title:* TEN-PAY PLAN. For Men's, Women's, and Children's Wearing Apparel. MAYER ISRAEL & CO., INC., New Orleans, La. Published April 4, 1935.

15,219.—*Title:* PHILO BRAND. For Silicon, Chromium, and Manganese Alloys. OHIO FERRO ALLOYS CORPORATION, Canton, Ohio. Published April 30, 1935.

REISSUES

JUNE 11, 1935

19,603
DAM CONSTRUCTION
William H. Bailey, Pueblo, Colo., assignor to The Colorado Fuel and Iron Company, Denver, Colo.
Original No. 1,900,393, dated March 7, 1933, Serial No. 514,492, February 9, 1931. Application for reissue August 7, 1933, Serial No. 684,103
17 Claims. (Cl. 61—30)



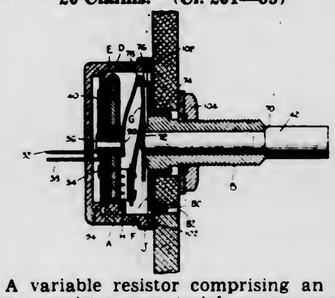
1. A metallic facing for a dam having a flat upstream face consisting of a series of channels each having a flat web and outwardly flared flanges, said channels being arranged to lie side by side with the edges of the flanges of adjacent channels in contact whereby to leave expansion spaces substantially triangular in cross section, said channels having their webs lying throughout against said upstream face and extending substantially vertically thereof.

19,604
ELECTRICAL CONDENSER
Louis Edenburg, Antwerp, Belgium, assignor to Nova Electric Corporation, New York, N. Y., a corporation of New York
Original No. 1,924,711, dated August 29, 1933, Serial No. 249,276, January 25, 1928. Application for reissue February 9, 1934, Serial No. 710,512
14 Claims. (Cl. 175—315)



1. An electric condenser comprising a pair of strips of aluminum foil to be of opposite polarity, isolated conductive strips between the first named strips, and insulation comprising one or more strips of fibrous material to separate the conductive strips from one another, such strips and insulation being rolled into form, impregnated with a liquid consisting of borax and glycerin, and evacuated of air between the strips.

19,605
VARIABLE RESISTOR
Joseph A. Flanzer, Brooklyn, N. Y., Lester L. Jones, Oradell, N. J., and Emil Reisman, Upper Darby, Pa., assignors to Technidyne Corporation, New York, N. Y., a corporation of New York
Original No. 1,959,097, dated May 15, 1934, Serial No. 485,854, October 2, 1930. Application for reissue November 30, 1934, Serial No. 755,442
20 Claims. (Cl. 201—55)



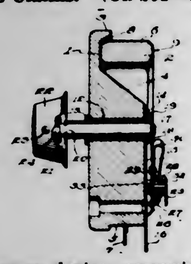
17. A variable resistor comprising an insulation base, resistance material on one surface of said base, a movable contact arranged for movement over said resistance material, painted conductive terminals extending from the resistance material around an edge of the base to a surface different from the surfaces receiving the resistance material, and soldering lugs bearing against said terminals.

19,606
INDUSTRIAL TRUCK
Robert T. Romine, Mount Clemens, Mich., assignor to Material Handling, Inc., Wilmington, Del., a corporation of Delaware
Original No. 1,709,741, dated April 16, 1929, Serial No. 172,165, March 2, 1927. Application for reissue July 20, 1929, Serial No. 379,859
42 Claims. (Cl. 180—22)



1. In an industrial lift truck having a frame comprising a main portion and power driven wheels at one end and a load supporting frame portion extending forwardly adjacent the ground, a lift platform surmounting said frame portion, longitudinally spaced pairs of dirigible load wheels of relatively small diameter and wide tread beneath said platform, a rocking sub-frame, means having a fixed connection with said frame portion for mounting said sub-frame to rock about a transverse axis, said sub-frame comprising an intermediate member and transverse axle members joined intermediate their ends by said intermediate member and having portions extending beyond opposite sides of said frame portion and being free to move vertically, a steering pivot mounted at the end of each axle member interiorly of the load wheel for supporting the wheel to move vertically with the axle member and for permitting the wheel to turn about an independent vertical axis.

19,607
RHEOSTAT POTENTIOMETER AND METHOD OF CONSTRUCTING THE SAME
David T. Siegel, Chicago, Ill.
Original No. 1,942,495, dated January 9, 1934, Serial No. 596,787, March 4, 1932. Application for reissue November 7, 1934, Serial No. 751,917
5 Claims. (Cl. 201—56)



4. A resistance device, comprising, in combination, a core of arcuate outline, said core being composed of ceramic material, a resistance wire wound on said core, a ceramic base having a seat, and a baked, fusible ceramic material covering said core and seat whereby said core and base are permanently joined by the fusion of said material, and said resistance wire is embedded in the fused material, a limited portion of the top surface of said wire on said core being free of said coating to provide an extended contact surface and a movable contact arm for engagement with said top surface of wire.

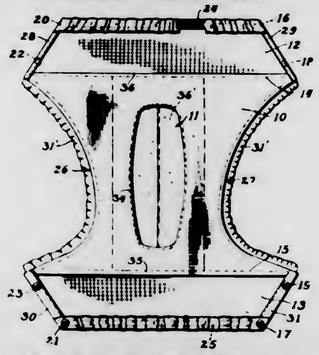
19,608
PROCESS FOR THE PRODUCTION OF ANESTHETIC SOLUTIONS
Max Woelm, Spangenberg, near Kassel, Germany, assignor, by mesne assignments, to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Original No. 1,916,089, dated June 27, 1933, Serial No. 294,931, July 23, 1928. Application for reissue April 3, 1935, Serial No. 14,445. In Germany May 2, 1927
5 Claims. (Cl. 167—52)

1. In the process for the production of non-irritating anesthetic solutions stable for a sufficient length of time to permit of their use for injection, the step which consists in adding to an anesthetic solution containing epinephrine, an amount of disodium phosphate sufficient to impart a slightly alkaline character to the solution.

PATENTS

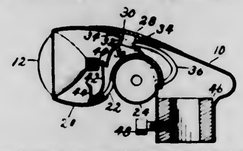
GRANTED JUNE 11, 1935

2,004,088
HOLDER
Bertha S. Alsop, Scarsdale, N. Y.
Application January 14, 1932, Serial No. 586,528
2 Claims. (Cl. 128—284)



1. A holder of the character described comprising a main inner layer member provided with a central opening and having front and rear edges constituting parts of an elastic waistband portion and having curved sides constituting leg gripping portions, a waterproof pocket having a central opening whose edges are secured around the edges of the opening at the rear of the main body portion, extension portions formed of foraminous material and disposed between the central opening and the edges of the body portion, and means for securing the ends of the pocket to the outside of the body portion, said pocket being longer and wider than said opening to form a pad-holding recess, the edges of the opening serving to overlap the edges of a pad in the pocket.

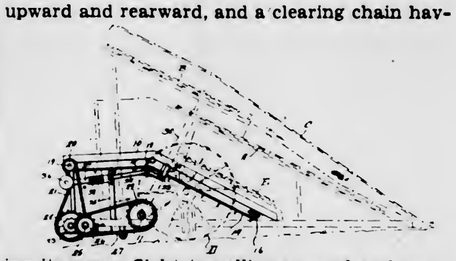
2,004,089
HANDLE BAR
Bert J. Anderson, Hammond, Ind.
Application February 5, 1934, Serial No. 709,805
19 Claims. (Cl. 208—115)



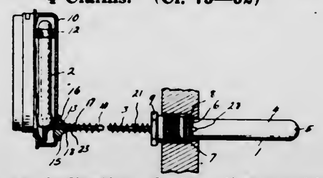
1. A pressed metal vehicle handle bar containing lights, means contained within the handle bar for operating said lights, said means including a switch operating member slidably positioned on the upper central surface of the handle bar and secured to the interior surface thereof, and means for securing said handle bar to a vehicle.

2,004,090
CORN BINDER
Thomas C. Askland, Reeder, N. Dak.
Application December 13, 1934, Serial No. 757,349
4 Claims. (Cl. 56—466)

1. In a corn binder, a butt chute extending upward and rearward, and a clearing chain having its upper flight travelling upward and rearward along said chute and having lugs.

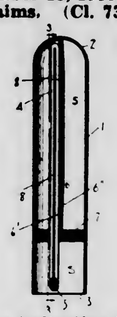


2,004,091
HEAT INDICATOR
Leonard Boddy, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application July 6, 1931, Serial No. 549,074
4 Claims. (Cl. 73—52)



1. In an indicating device, the combination with a glass tube, of a metal tube member having an end portion extending within and hermetically sealed directly to said glass tube by fusing and welding, said tube member having such wall thickness that the material forming the tube will yield to avoid breaking the seal upon contraction of the glass tube during cooling, and said glass tube and metal tube member adapted to contain an indicating liquid.

2,004,092
DEVICE FOR INDICATING THE TEMPERATURE OF LIQUIDS
John L. Chaney, Springfield, Ohio
Application December 15, 1933, Serial No. 702,557
6 Claims. (Cl. 73—52)



2. In a device for indicating the temperature of liquids, a transparent tube closed at one end and

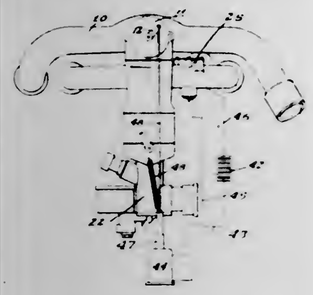
open at the other, means at a point removed from the open end of the tube to seal the closed end of the tube against the passage thereto of liquid, a thermometer stem extending through said sealing means with a liquid-tight fit, with the major portion of said stem located in said tube between the sealing means and the closed end thereof and the minor portion thereof located in the tube between the sealing means and the open end thereof, that portion of the tube between the sealing means and the open end thereof being adapted to have a portion at least of the air therein displaced by liquid when the tube is immersed therein to cause that portion of the tube to act as a weight to maintain the tube upright in said liquid.

2,004,093

THERMOSTATICALLY AND SUCTION CONTROLLED MIXTURE TEMPERATURE DEVICE

Edward E. Dean and Otto Carter Berry, Flint, Mich., assignors to Marvel Carbureter Company, Flint, Mich., a corporation of Illinois

Application September 25, 1930, Serial No. 484,335
6 Claims. (Cl. 123—122)



1. An intake manifold heating system for internal combustion engines, comprising a heating jacket enveloping part of said manifold, a control valve governing the supply of heat to said heating jacket, a solenoid for operating said control valve, and means for energizing said solenoid including a temperature responsive element, and means incorporated therewith and subject to the suction in the manifold for decreasing the temperature range with an increasing drop in the suction in said manifold.

2,004,094

HYDROCARBON OIL AND METHOD OF MAKING THE SAME

Herbert G. M. Fischer, Westfield, and Clifford E. Gustafson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 21, 1928, Serial No. 307,545
12 Claims. (Cl. 44—9)

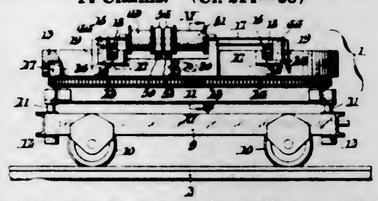
1. A composition of matter comprising a low boiling hydrocarbon oil containing unsaturated constituents of the type normally tending to form gum and produced by pyrolysis of heavy hydrocarbons, to which has been added an alpha-naphthylamine having one hydrogen of the amino group substituted by a benzene hydrocarbon radical, in quantity sufficient to retard such deterioration.

2,004,095

CONTAINER TRANSFER APPARATUS

Frederick W. Hankins, Philadelphia, and Frederick K. Fildes, Altoona, Pa.

Application August 17, 1933, Serial No. 685,522
14 Claims. (Cl. 214—38)



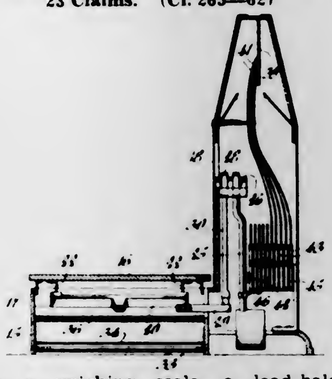
1. Transfer apparatus for railway containers comprising a movable frame, a revolvable turntable mounted on said frame and having a trackway formed thereon, a skid movable on said turntable and adapted to be extended outwardly thereof to provide rails in continuation of said trackway, and a container supporting carriage mounted for movement on said trackway and skid.

2,004,096

WEIGHING SCALE

Erik Gustaf Hedman, Buffalo, N. Y.

Application November 12, 1931, Serial No. 574,573
23 Claims. (Cl. 265—62)



7. In a weighing scale, a load-balancing pendulum, and an automatic indicating device comprising a dial having weight-graduations thereon, a plurality of individually pivoted pointers movable over the dial, and means controlled by said pendulum for selectively actuating said pointers in accordance with the movement of the pendulum.

2,004,097

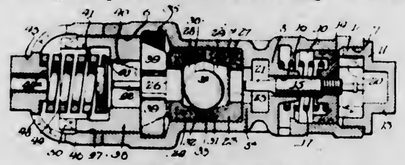
AUTOMATIC CYLINDER COCK WITH RELIEF VALVE

Arthur G. Hollingshead and Curtis W. Ploen, Chicago, Ill., assignors to the Okadee Company, Inc., Chicago, Ill., a corporation of Illinois

Application June 22, 1931, Serial No. 545,955
1 Claim. (Cl. 121—134)

In a cylinder drain cock, in combination, a casing having a connection to a cylinder and an outlet to atmosphere, a pair of valve seat members removably supported in said casing between said outlet and said connection, a valve member responsive to fluid pressure in said casing and adapted to engage one of said valve seats to close said outlet, said casing having an internally

threaded opening between said connection and said valve, an externally threaded closure member for said opening having an aperture, a valve seat formed in said closure member, a bonnet member internally threaded and adapted to be carried by said closure member, said bonnet member being adapted to abut said casing to act as a



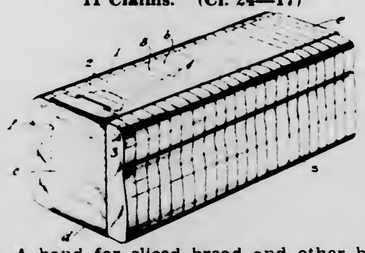
lock nut on said closure member, and a spring interposed between said valve member and said bonnet member within said closure member for holding said valve member in closed position but said spring calibrated to permit opening of said second valve upon predetermined pressure being established in said casing.

2,004,098

DEVICE FOR PACKAGING BAKERY PRODUCTS

Oliver B. Andrews, Chattanooga, Tenn.

Application August 31, 1932, Serial No. 631,139
11 Claims. (Cl. 24—17)



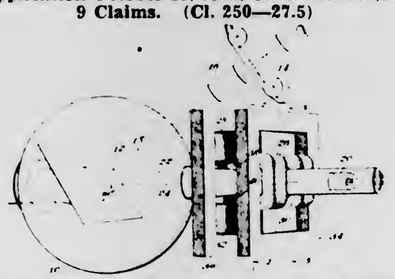
1. A band for sliced bread and other bakery products comprising, a strip of paperboard having a plurality of paired converging cuts at one end thereof defining securing means therebetween, and a hook device at the other end of said band adapted to selectively engage said securing means.

2,004,099

CATHODE RAY APPARATUS

Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 15, 1932, Serial No. 637,879
9 Claims. (Cl. 250—27.5)



1. Cathode ray apparatus comprising screen structure and an electron gun for developing a ray of electrons and directing the same at said structure, the axis of said gun being disposed at an acute angle to said structure, and means for deflecting said ray to cause the same to scan a keystone area over a plane perpendicular to said axis whereby the ray is caused to scan said structure over a substantially rectangular area, said ray-deflecting means including magnetic pole pieces disposed respectively on opposite sides of said axis and shaped and arranged to cause the magnetic lines of force to diverge substantially uniformly from one edge of the area traversed by the ray to the opposite edge of such area.

2,004,100

BRUSH AND STUBBLE CUTTER

Loran Everett Carter, Merrimac, Mass.

Application May 25, 1934, Serial No. 727,575
2 Claims. (Cl. 30—11)



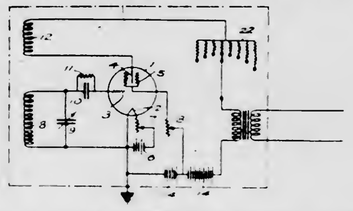
1. In a brush and stubble cutter, the combination of a short handle, a relatively short blade disposed at an angle of approximately 45 degrees to the handle, the handle having a recessed portion at its lower end, the blade having its shank bent to overlap the recessed portion of the handle, and the handle having its shank bent to overlap the outer edge of the blade to more securely fasten the blade and handle together.

2,004,101

VACUUM TUBE OSCILLATOR

Ralph I. Cohn, Oceanport, N. J.; now by judicial change of name Ralph Cole

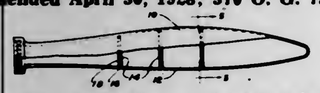
Application February 11, 1932, Serial No. 592,287
4 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An oscillating modulating system, comprising an electron tube; grid and anode circuits operatively associated therewith and adapted to cause said tube to function as an oscillator primary tuning means for the grid circuit; means in the grid circuit to cause a grid blocking action at an audio rate; means in the anode circuit acting independently of said primary tuning means comprising a uniformly and positively controllable

variable impedance element, and a load impedance external thereto which responds to the control of said element and automatically increases in absolute value with increase in frequency between predetermined limits, to cause step-by-step increase in the total anode impedance, and reacting on the grid circuit to effect a corresponding step-by-step control of the grid blocking action.

2,004,102
HOLLOW STEEL PROPELLER CONSTRUCTION
Daniel A. Dickey, Dayton, Ohio
Application February 24, 1932, Serial No. 594,935
9 Claims. (Cl. 170—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A propeller blade comprising, a shell having a relatively thin wall cross-section and an open framework, said shell and framework being continuously consolidated at all points of contact to provide a cellular structure substantially throughout the width and length of a portion of said blade, the areas of consolidation between said shell and framework being such that substantially the entire load on the shell area of each cell is imposed upon its corresponding framework.

2,004,103
STOCK QUOTATION PROJECTING MACHINE
August D. Eitsen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application July 1, 1932, Serial No. 620,347
Renewed September 11, 1934
12 Claims. (Cl. 88—24)



1. In a stock ticker projection machine, a ticker adapted to discharge marked tape, a projecting device including a common source of light for downwardly directing a beam of light and a pair of parallel outlet apertures for receiving said downwardly directed beam of light and dividing it into two subordinate light beams, a pair of oppositely facing front projection screens, means for drawing the tape successively across said apertures so that the tape is moving in opposite directions across said apertures, and means for projecting the light beam from each of said apertures onto one of said screens to produce uninverted images of said tape-markings upon said screens, respectively; said last named means comprising an objective lens and a single mirror for each light beam.

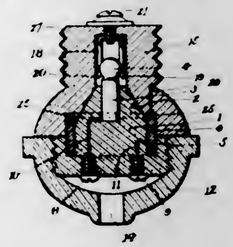
2,004,104
CONTAINER
George Clinton Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1932, Serial No. 626,338
2 Claims. (Cl. 220—54)

1. In a tearing strip container, a tearing strip set off by a score line and adapted to be removed by a slotted key to open the container, said tearing strip terminating in an abbreviated tongue, said tongue being just long enough to permit the mounting upon it for the opening operation of said key by threading the tongue through the slot



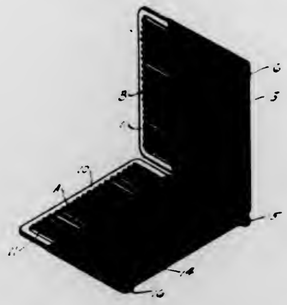
of the key, without bending said tongue to hold said key, said tongue having an abrupt shoulder near its extremity for engagement by said key in opening the container, the engagement of said key with said shoulder preventing said key from slipping off the abbreviated tongue.

2,004,105
ELECTRICAL CONNECTER
Robert E. Farish, Jr., Columbus, Ga.
Application November 23, 1932, Serial No. 644,097
2 Claims. (Cl. 173—343)



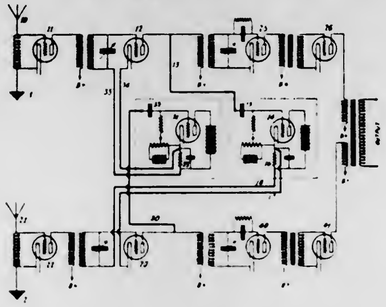
1. In an electrical connection, a plug member of insulating material, concentric axial and annular contact members projecting therefrom in an axial direction, the axial contact member projecting farther than the annular member, a socket member of insulating material having an unobstructed socket formed therein, said socket being of gradually decreasing cross section from the outer toward the inner end thereof, the outer end of said socket being of greater diameter than the annular contact member projecting from said plug member, and the inner end of said socket merging with an axially extending axial recess formed at such inner end, said socket member having an annular groove formed in the wall of said socket and extending from such wall in a direction parallel to the axis of the plug, said groove being of a diameter to receive said annular contact member on the plug member but of such size as to exclude the axial contact member, an axial contact member disposed entirely within said axial recess and adapted to receive and make contact with said axial contact member on the plug member, and an annular contact member disposed entirely within said axially extending annular groove and adapted to receive and make contact with said annular contact member on the plug member.

2,004,106
SEAT OR CUSHION
George H. Gaston, Houston, Tex.
Application November 17, 1932, Serial No. 642,985
2 Claims. (Cl. 155—182)



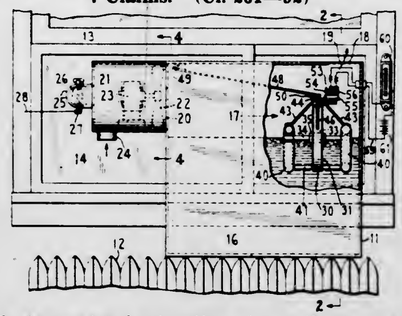
2. A portable cushion comprising, a flexible frame adapted to yield when sat upon, a plurality of horizontally extending coil springs disposed within and across said frame, the said coil springs being closely spaced in side by side relation so as to form a continuous seating surface, said springs being of such diameters as to project above and below the frame to support the latter above the surface on which the cushion is rested and also whereby said frame and springs may be inverted, the coil springs being connected at their ends to the sides of the frame and being free from connection intermediate their ends, whereby each coil spring may roll independently of the other springs, and a removable fabric casing covering the frame and coil springs.

2,004,107
RADIO RECEIVING SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 20, 1928, Serial No. 255,608
20 Claims. (Cl. 250—20)



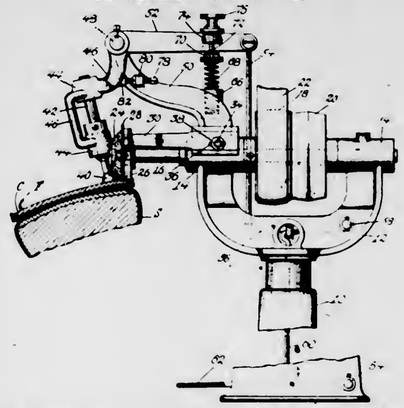
1. A radio receiving system comprising, in combination, a first receiver and a second receiver, means for operating each of said receivers at the same frequency for simultaneously receiving the desired signal wave, a sensitivity control unit in circuit with said first receiver for governing the sensitivity of said second receiver, and a sensitivity control unit in circuit with said second receiver for governing the sensitivity of said first receiver.

2,004,108
GAS TREATING APPARATUS
Charles B. Grady, West Orange, N. J.
Application August 24, 1932, Serial No. 630,175
7 Claims. (Cl. 261—92)



1. Apparatus for treating air or other gases by water or other liquids, of the kind comprising a walled enclosure with a liquid vessel in its lower part, a gas passage in its upper part, above the liquid, and a device or fan for maintaining gas flow into, through and from the gas passage, such apparatus characterized by the combination with said elements of a partially immersed circular screen or disk of pervious construction, a pontoon floating in such vessel and upon which such screen is rotarily mounted and which maintains it in its partially immersed position with changes of liquid level, means for causing rotation of such screen so that each part of its surface is alternately dipped into the liquid and elevated to accupy the gas passage and compel the gas to flow through it, and a movable wall closing the gas passage space above the rotary screen and adjustable with changes of level of the pontoon.

2,004,109
ABRADING MACHINE
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 18, 1932, Serial No. 638,281
13 Claims. (Cl. 69—1)



1. A machine for scouring channels and channel flaps formed upon shoe parts, comprising a shaft, a substantially cylindrical scouring tool on said shaft for scouring channels, and a conical scouring tool on said shaft adjacent to said cylindrical tool for scouring channel flaps.

2,004,110
POROUS RUBBERIZED FABRIC AND METHOD OF PRODUCING SAME

Percy Herbert Head, Attenborough, England, assignor to Xetal Products Limited, Long Eaton, near Nottingham, England

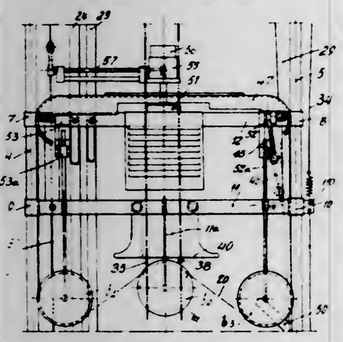
No Drawing. Application February 14, 1934, Serial No. 711,279. In Great Britain September 14, 1933
3 Claims. (Cl. 154—40)

1. The herein described method of producing a porous laminated fabric, which consists in applying to a surface of a textile fabric, which is stretchable under tension to a much greater extent in one direction than it is in a direction transverse thereto, a rubber latex in the form of a fine spray, allowing said latex to set while the fabric is under tension and stretched in the direction of its greatest extensibility, but to an extent less than its permissible stretch, superposing the same upon another piece of stretchable fabric with the latex between them, and finally pressing the said pieces together, the latex serving to unite them and maintain the fabric stretched as described, without substantially reducing the porosity of the laminated fabric produced, such finished fabric being stretchable in dual directions and having exposed textile surfaces and rubber interior.

2,004,111
APPARATUS FOR PRESENTING ADVERTISEMENT-PICTURES AND OTHERS

Henri Heaulme, Paris, France

Application March 31, 1934, Serial No. 718,346
In France April 4, 1933
6 Claims. (Cl. 88—24)

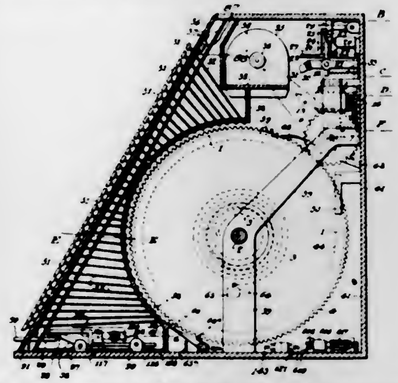


1. An apparatus for the projection of advertising and other images on a screen provided at the top of a box, which comprises in combination, a frame, a plurality of uprights in said frame, a carriage movable vertically along at least some of these uprights, a projector carried by this carriage, motive means for driving said carriage upwardly and controlling the downward movement thereof under the action of its weight, means operatively connected with said motive means for constantly focussing said projector on said screen, a stationary projector focussed on said screen carried by at least one of these uprights, an electric circuit, means operatively connected with said motive means for successively connecting one of these projectors with said circuit and simultaneously disconnecting the other one from said circuit, a band of pictures carried by said carriage and adapted to be moved in front of the first mentioned projector, and means for moving said band forwards in accordance with the up and down movements of said carriage.

2,004,112
TELETICKET SYSTEM

Edwin Hopkins, New York, N. Y.

Application October 26, 1929, Serial No. 402,714
25 Claims. (Cl. 178—4)

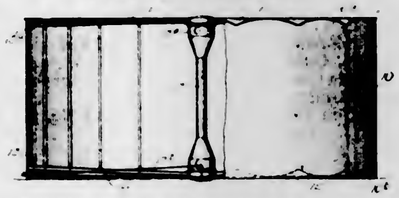


1. In a printing telegraph system a transmitter adapted to send to line groups of alternating signals, each group derived from one of a plurality of transmitting units, means for driving such units, manual means for permitting the first unit to start and automatic means adapted to transfer each of the next succeeding units to line upon the completion of the signals of the prior unit.

2,004,113
TANK

George T. Horton, Chicago, Ill.

Application October 5, 1933, Serial No. 692,336
3 Claims. (Cl. 220—1)



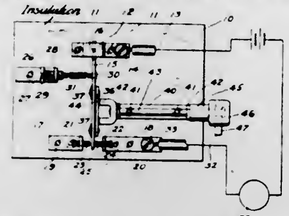
1. A sheet metal tank including a substantially cylindrical shell with a generally flat lower head formed of radially arranged sector-shaped sheet metal sections, said sections being circumferentially convexed, whereby the differences in pressure between the inside and the outside of the tank will impose tensional stresses on said sections, the lower edge of said shell extending substantially below the lowest point of the sections in the lower head to serve as a retaining wall for the foundation under the tank between the lower portions of the sections.

2,004,114
MAGNET CONTROLLED SWITCH

Harvey Hubbell, Jr., Bridgeport, Conn.

Application July 29, 1932, Serial No. 625,607
14 Claims. (Cl. 200—87)

1. In combination, a movable member, means to shift said member in one direction, an armature connected with said member, means to shift said member in the opposite direction comprising a magnet having a pole movable adjacent said armature to vary its effect thereon, said magnet movable about an axis extending substantially parallel with said pole, and means for



shifting the magnet about said axis to operate said member.

2,004,115
LEVULINIC ACID ESTERS AND THEIR PREPARATION

Emmette F. Izard, Elsmere, and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

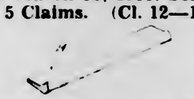
No Drawing. Application May 7, 1932, Serial No. 609,976
12 Claims. (Cl. 260—106)

6. A levulinic ester of a modified polyhydric alcohol, said modified polyhydric alcohol containing at least one free hydroxyl group and consisting of a polyhydric alcohol of which the hydrogen atom of at least one hydroxyl group has been replaced by an organic radical.

2,004,116
WELTING AND METHOD OF PRODUCING IT

George Hollis Jennings, Elmwood, East Bridgewater, Mass.

Application March 30, 1933, Serial No. 663,531
5 Claims. (Cl. 12—146)

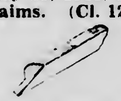


1. The method of producing a leather welting strip having a calking edge and a fin, comprising the cutting of a stock strip; splitting the stock strip obliquely into two intermediate strips, each having one edge a little less in thickness than the stock strip, and each having appreciable thickness at its thinner edge; and applying molding pressure to the mid-portion of the tapering body of each said intermediate strip reducing it to a thickness approximating that of the thinner edge thereof.

2,004,117
WELTING AND METHOD OF PRODUCING WELTING

George Hollis Jennings, Elmwood, East Bridgewater, Mass.

Application May 29, 1933, Serial No. 673,413
8 Claims. (Cl. 12—146)

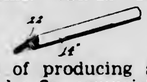


1. The method of producing a welting strip having a bead and a fin, comprising the removing of part of the substance of the strip from one edge of a leather strip at a place at or near the face of the strip, thereby reducing the thickness of leather in the strip at that edge; and slitting the intact body of leather adjacent to the place where the said removal of substance occurred; followed by the eliminating of the slit by spreading it open, and, by pressure, molding the slit open to a shape wherein the material which constituted its walls becomes, on each side, approximately in alignment with the surface of that material which was left by the said removal of substance.

2,004,118
WELTING AND METHOD OF PRODUCING WELTING

Everett E. Kent, Newton, Mass., assignor to V. & F. W. Filoon Company, Brockton, Mass., a corporation of Massachusetts

Application May 29, 1933, Serial No. 673,336
8 Claims. (Cl. 12—146)

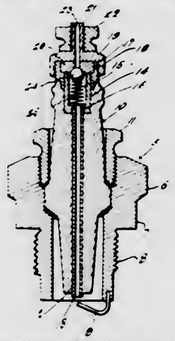


1. The method of producing a welting strip having a bead and a fin, comprising the cutting, from a piece of leather, of a strip having two parallel faces in off-set relation to each other and having side edges of which portions extend obliquely in approximate parallelism; followed by the compressive molding of substance of the leather at one said face into shape for the welting bead; and of substance at the other face, and the between-substance, into shape for the welting fin.

2,004,119
SPARK PLUG

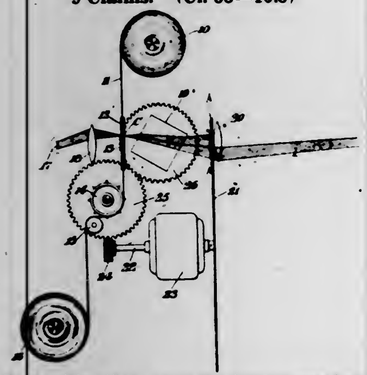
William E. Letterman, Seattle, Wash.

Application July 6, 1932, Serial No. 621,117
9 Claims. (Cl. 123—169)



1. In a ventilated spark plug an insulated core having a relatively small bore, said bore having its outward end portion considerably increased in diameter and defining a chamber having a shoulder, an electrode in said bore, said electrode comprising a conductive tube received in said bore and having the inner end portion extending beyond the inner end of said core, said electrode further comprising a conductive cage located within said chamber and having its inner end seated on said shoulder, said inner end of the cage having an opening in which the outer end of said tube is inserted and secured, an annular valve seat abutting the open outer end of said cage and seated in the outer end of said chamber, a cap connected with the outer end portion of said core and abutting said valve seat and the outer end of said core thereby holding said cage and valve seat in place, a ball check yieldably engaged and seated with said valve seat, and a helical spring having one end engaged with the inner end of said cage and the opposite end engaged with said ball check.

2,004,120
OPTICAL COMPENSATOR
Jacob F. Leventhal, New York, N. Y., assignor, by mesne assignments, to Leventhal Patents, Incorporated, a corporation of Delaware
Application June 7, 1930, Serial No. 459,660
Renewed July 14, 1934
9 Claims. (Cl. 88—16.8)



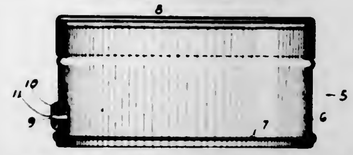
1. In combination, an optical compensator comprising a light source, rotatable plane-parallel refracting means, means to feed a film between said light source and refracting means, means to rotate said refracting means at uniform speed and to feed said film in synchronism therewith, optical means to direct a light beam through said film and refracting means, a rotatable screen arranged to intercept said beam in a plane removed from the film plane, said screen being provided with a substantially annular aperture tapered at each end and having its ends offset, and means to rotate said screen in timed relation to a picture cycle.

2,004,121
PEST EXTERMINATOR
Robert B. Loibl, Jr., Los Angeles, Calif.
Application October 23, 1933, Serial No. 694,784
6 Claims. (Cl. 43—131)



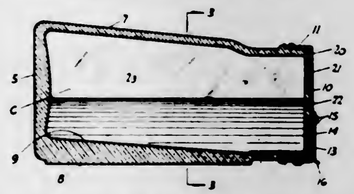
1. In a device of the kind described, a casing having a reservoir to contain liquid poison, said reservoir having a liquid delivery passage, a wick extending through said passage to retard flow of the liquid therethrough, a portion of said wick projecting externally of said passage, and a shield overlying one side only of the projecting portion of said wick, there being a space at the opposite side of said wick to afford insects access thereto.

2,004,122
PEST EXTERMINATOR
Robert B. Loibl, Jr., Los Angeles, Calif.
Application October 23, 1933, Serial No. 694,785
3 Claims. (Cl. 299—20)



1. In a device of the kind described, a container for holding a liquid insecticide having a combined filling and dispensing opening in one of the walls thereof, in combination with a squeeze plug comprising a body having a midgirth groove, the opposite sides of said groove lying in the same plane and being normally parallel, the walls of said container adjacent said opening being adapted to be engaged within said groove, there being an ooze-hole extending thru said plug surrounded by said groove, and a wick extending axially thru said ooze-hole to dispense the poisonous contents of said container, the thickness of said wick being greater than the normal diameter of said ooze-hole whereby to distort the walls of said groove into substantially liquid tight engagement with the walls of said container.

2,004,123
PEST EXTERMINATOR
Robert B. Loibl, Jr., Los Angeles, Calif.
Application February 15, 1934, Serial No. 711,339
5 Claims. (Cl. 43—131)

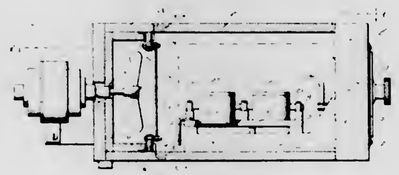


1. In a device of the kind described, an elongated container having a delivery end, a detachable closure cap for such end, a dispensing opening through said cap spaced inwardly from the periphery thereof, a closure for said opening movably fastened to said cap to move to and from an open position, and means under said cap to form a liquid tight peripheral seal, said means including a highly porous portion underlying said dispensing opening.

2,004,124
TREATMENT OF TOBACCO FOR INSECTICIDAL PURPOSES
Robert Graham Mewborne, Albuquerque, N. Mex., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y., a corporation
No Drawing. Application May 6, 1930, Serial No. 450,316
7 Claims. (Cl. 167—34)

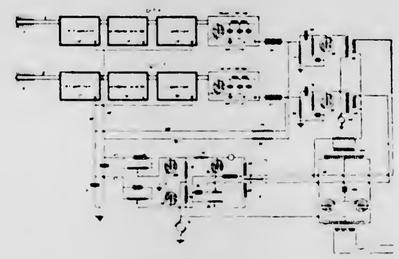
1. The method of preparing an insecticidal product from tobacco plant material which comprises stopping the life process of the tobacco plant, upon reaching an equalized acidity calculated in hydrogen ions, of about 5.75 to 5.70, developing the optimum nicotine content by storage, and then heating to dehydrate the same.

2,004,125
TEMPERATURE CONTROLLED CABINET FOR ELECTROMECHANICAL OSCILLATORS
Raymond B. Meyer, Washington, D. C.
Application August 20, 1931, Serial No. 558,407
5 Claims. (Cl. 219—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



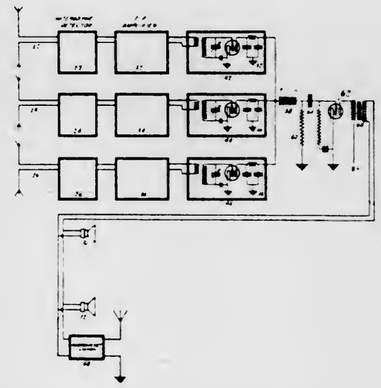
1. A temperature controlled cabinet comprising a housing open at its ends, a removable panel closing one end of said housing, a frame for supporting electromechanical vibrators secured to said panel and adapted to be slid into and out of the housing as the panel is moved into and out of place, temperature responsive means mounted on said frame for controlling the temperature within said housing, a removable closure for the other end of said housing, means carried by the removable closure for heating the air in the housing and circulating the air to maintain the electromechanical vibrators at uniform temperature and baffle means mounted on said frame between the actuating portion of said temperature responsive means and the air circulating means for shielding the temperature responsive means from the direct flow of air from the air circulating means.

2,004,126
ANTENNA SELECTOR
John B. Moore, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1928, Serial No. 319,768
12 Claims. (Cl. 250—20)



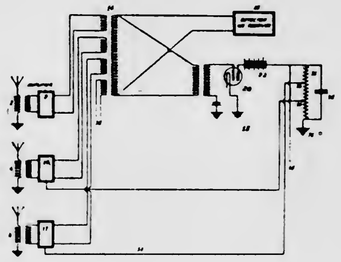
1. The method of reception which includes collecting signal energy on three geographically spaced antennas, separately rectifying the collected signal energies, comparing the rectified energies obtained from two of the antennas and selecting the greater, comparing the rectified energies obtained from another two of the antennas and selecting the greater, comparing the rectified energies from the remaining two and using them to select the greater of the selected energies, and utilizing the finally selected energy.

2,004,127
ANTENNA REGULATOR FOR DIVERSITY RECEPTION
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1928, Serial No. 319,938
16 Claims. (Cl. 250—20)



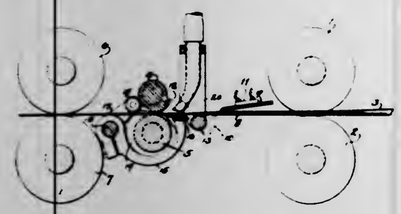
1. The method of reception which includes collecting signal energy on a plurality of antennas, rectifying the signal energies, using the rectified energy from each of the antennas for reducing the strength of signal from the other of the antennas in such a manner that the weaker signals are further weakened more than proportionally, combining the rectified energies, and feeding the combined rectified energy to utilizing means.

2,004,128
SUCCESSIVE ANTENNA SELECTOR
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1928, Serial No. 319,939
Renewed April 12, 1933
30 Claims. (Cl. 250—20)



1. The method of controlling the volume of radio signals which includes collecting signal energy on a plurality of antennas, and automatically feeding in response to collected signal energy the collected energy to a receiver from only so many of the antennas as may be necessary to keep the energy supplied to the receiver at a predetermined desirable value.

2,004,129
APPARATUS FOR HANDLING STRIP MATERIAL
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 8, 1932, Serial No. 585,519
8 Claims. (Cl. 271—2.2)



1. In apparatus of the class described, the combination of feed rollers for continuously advancing a flexible web or strip, pinch rolls in the path of the advancing strip having a peripheral speed lower than that of the feed rollers to produce a slack in the material, and means to apply an air blast to one face of the material during the slack-forming operation.

2,004,130
CYANIDE PROCESS AND THE PRODUCT
Edward J. Pranke, Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc., a corporation of Delaware
No Drawing. Application July 16, 1932, Serial No. 623,026
16 Claims. (Cl. 23—79)

2. The process of producing cyanide which consists in bringing into a reaction zone heated above 1350° C. materials substantially free from chlorids and capable of generating elementary calcium, carbon, sodium and nitrogen, said materials being provided in such proportion as to generate the said elements in the proportion of one atom of calcium, four of carbon, two of sodium and four of nitrogen, bringing all portions of the solid and liquid substances into contact with the gases present until substantial completion of the reactions forming cyanide, and rapidly cooling the fused product.

6. The process of producing sodium cyanide which consists in rapidly heating to substantially 1,400° C. a mixture of crude calcium cyanamid and sodium cyanide to form calcium sodium cyanide, rapidly cooling the same, mixing with liquid anhydrous ammonia, separating the solution from the insolubles, separating the contained sodium cyanide from the solvent, evaporating the ammonia from the insolubles and converting the calcium cyanide therein to sodium cyanide by suitable means and recovering the latter from solution.

12. The process of producing sodium cyanide which consists in forming calcium sodium cyanide, adding sodium carbonate and water to form a solution of sodium cyanide, rapidly removing the water from the said cyanide by applying the solution to the surface of a rotating heated drum and removing the solid residue of sodium cyanide therefrom.

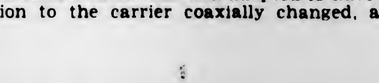
15. As a new composition of matter, a cyanide product containing calcium, sodium, carbon and nitrogen combined in the proportions of one atom of calcium, two of sodium, four of carbon and four of nitrogen, and substantially free from water soluble materials other than cyanides.

2,004,131
PROCESS OF SEPARATING ALCOHOLS
Ebenezer E. Reid, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 25, 1933, Serial No. 667,862
21 Claims. (Cl. 260—156)

1. A process of separating an unsaturated alcohol from a mixture essentially comprising said alcohol and a saturated alcohol of approximately at least the same number of carbon atoms, which comprises extracting the unsaturated alcohol from the mixture by means of an extraction medium essentially comprising liquid sulfur dioxide at a temperature below about 10 C.

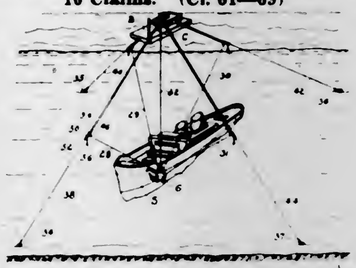
2,004,132
PHENYL CARBAMATES OF AMINOPROPANEDIOLS
Theodore H. Rider, Cincinnati, Ohio
No Drawing. Application August 10, 1931, Serial No. 556,331
11 Claims. (Cl. 260—43)

1. The hydrochloride of a gamma dialkylamino propanediol ester of an aromatic carbamic acid possessing the general structure



in which R′ and R″ represent alkyl radicals, and in which Ar represents a radical of the benzene series.

2,004,133
MANEUVERING MEANS FOR UNDERWATER SALVAGE EQUIPMENT
Eugene J. Romano, Seattle, Wash.
Application March 27, 1933, Serial No. 663,030
10 Claims. (Cl. 61—69)



1. In maneuvering means for a submarine vessel, the combination with a float and anchoring means therefor, of a submarine vessel-support and a vessel rotatable in said support, maneuvering lines attached to the vessel-support and guides on the anchoring means for said lines, means on the float for controlling the various lengths of said lines, and means for revolving the vessel with relation to its support.

2,004,134
PNEUMATIC CARRIER
George H. Ross, Brooklyn, N. Y.
Application November 16, 1933, Serial No. 698,248
16 Claims. (Cl. 243—35)

1. A device including an open ended carrier for pneumatic systems, said carrier having a rotary piston coaxial therewith and adapted to have its relation to the carrier coaxially changed, and

means movable laterally to the carrier for holding an article in the carrier, said means being con-

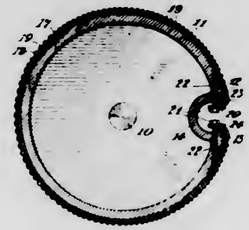


trolled by said piston and being retained by the latter in different lateral positions.

2,004,135
PRODUCTION OF POLYHYDRIC ALCOHOLS
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 23, 1932, Serial No. 648,588
12 Claims. (Cl. 260—156.5)

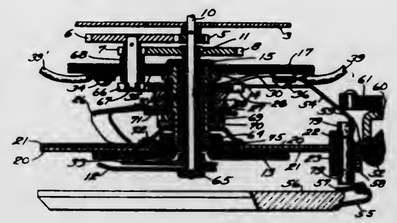
1. In the process of producing lower polyhydric alcohols from a polyhydric alcohol having a greater number of hydroxyl groups comprising catalytically hydrogenating the latter alcohol at high pressures and at a temperature sufficiently high to effect splitting of the carbon-carbon bond, the step which comprises passing the said alcohol together with hydrogen in contact with a hydrogenation catalyst in the presence of a weakly alkaline compound.

2,004,136
PRINTING CYLINDER
Oswald R. Schultz, New York, N. Y.
Application March 3, 1931, Serial No. 519,713
7 Claims. (Cl. 101—415.1)



7. Apparatus for multi-color printing including in combination, a plurality of cylinders, a printing form adapted to print a color part associated with each of said cylinders, each of said printing forms comprising a cellulosic layer having toned printing impressions embossed thereon immutably secured to a non-stretchable backing sheet, said layer extending substantially coextensive with said backing sheet and means directly abutting the cellulosic layer for clamping the backing sheet to the associated cylinder so as to retain the embossed impressions and the cellulosic layer fixed and immovable, insuring absolute registry of the color parts on the finished printed work.

2,004,137
PLURAL SET TIME SWITCH
Raymond D. Smith, Pleasantville, N. Y.
Application November 23, 1931, Serial No. 576,804
15 Claims. (Cl. 2.00—36)



2. Time setting means for a casing enclosed timing device, including in combination with the casing, a time setting means protruding from a front wall of the casing for manipulation by one hand of the user, and another time setting means co-operating with said first means and designed for simultaneous manipulation therewith by the other hand of the user and extending from a lateral wall of the casing to avoid interference by one hand of the user with the other hand of the user when said means are simultaneously manipulated.

2,004,138
METHOD OF MAKING WROUGHT IRON PIPE
Edward B. Story, Dormont, and Charles E. Gross, Pittsburgh, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1932, Serial No. 645,088
4 Claims. (Cl. 29—156)



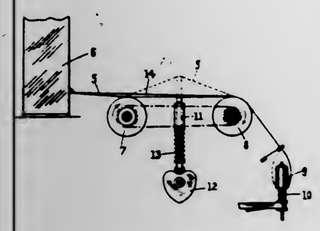
1. A method of making wrought iron pipe, comprising rolling a flat wrough iron shape, severing said shape to form a plurality of skelps having the slag fibers extending at an angle to their lengths, joining at least two of said skelps end to end, and forming a pipe out of said joined skelps.

2,004,139
TEXTILE MATERIAL AND PROCESS FOR ITS PRODUCTION
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 6, 1931, Serial No. 573,422
In Great Britain January 1, 1931
29 Claims. (Cl. 117—2)

12. Continuous filament threads of cellulose acetate containing at least one twisted component thread, having at intervals along its length portions which have been strained beyond the elastic limit.

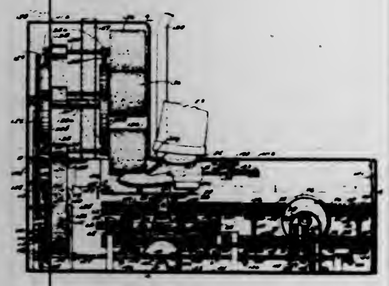
17. Process for the treatment of continuous filament threads, comprising stretching threads of cellulose acetate beyond their elastic limit and

localizing the applied stretch to intervals along the length of the threads by intermittently



lengthening and shortening the portion of the threads being stretched.

2,004,140
SHOE SHINING MACHINE
Mathew H. Thornton, St. Paul, Minn.
Application September 9, 1932, Serial No. 632,300
17 Claims. (Cl. 15—35)

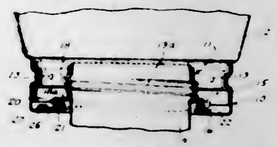


1. A shoe shining machine having in combination, a brush adapted to engage and brush the shoe, means for moving said brush about a shoe, a guide means for moving said brush in a path in accordance with the shape of the shoe, and means for conforming said last mentioned means to the shape of the shoe.

2,004,141
PROCESS FOR THE OXIDATION OF AMMONIA AND IMPROVED CATALYST THEREFOR
John N. Tilley, Woodbury, and Harold Whitehead, South Orange, N. J., assignors of one-half to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware, and one-half to Baker and Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application July 22, 1933, Serial No. 681,756
13 Claims. (Cl. 23—162)

1. The process of oxidizing ammonia to oxides of nitrogen, which comprises passing a mixture of ammonia and a gas containing oxygen through a catalyst consisting of an alloy containing more than one metal of the platinum group, said alloy having a solid surface coating of pure platinum.

2,004,142
ADJUSTABLE NECK REFLECTOR
Charles Theodore Von Holtz, Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application November 25, 1933, Serial No. 699,767
6 Claims. (Cl. 240—142)



1. In combination, a reflector, an outer member rigid with the reflector, an inner member threaded for engagement with a socket shell, overlapping portions on said members, and spring means urging said portions into frictional engagement whereby the members are held against casual relative movement but may be turned relatively for adjustment of the reflector after the inner member is tightened on a socket shell.

2,004,143
ABSORBENT PAPER DISPENSING
Vanderveer Voorhees, Hammond, Ind.
Application July 30, 1932, Serial No. 626,792
7 Claims. (Cl. 92—68)

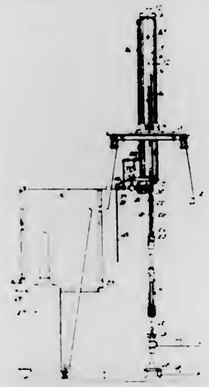


1. An absorbent paper towel which has been treated in a restricted area with a water resistant size to provide a grip which will retain its tensile strength when seized with wet hands.

2,004,144
PROCESS FOR PHOTOGRAPHICALLY PRODUCING PRINTING PLATES
William J. Wilkinson, Great Neck, N. Y., assignor of one-half to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 19, 1931, Serial No. 576,014
6 Claims. (Cl. 95—5.1)

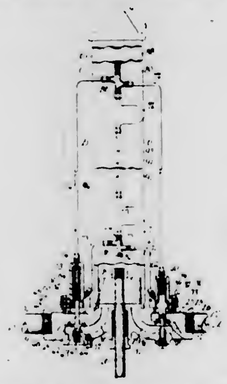
1. In the art of photographically producing printing plates, the process comprising making yellow, red, blue and black separation negatives, making positive overlays from the yellow and the blue separation negatives, making a corrected positive of the yellow separation negative by photographing through the yellow separation negative and the blue positive overlay, making two corrected positives by photographing through the red separation negative and the blue positive overlay, one corresponding to the red printing plate and the other corresponding to the pink printing plate, making two corrected positives by photographing through the blue separation negative and the yellow positive overlay, one corresponding to the blue printing plate and the other corresponding to the light blue printing plate, and making two positives from the black separation negative, one corresponding to the black printing plate and the other corresponding to the grey printing plate.

2,004,145
PUMPING MECHANISM
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 12, 1931, Serial No. 568,316
26 Claims. (Cl. 121—47)



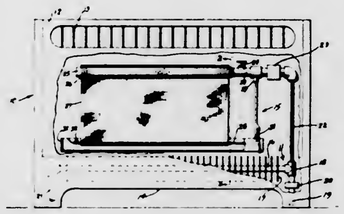
1. In combination, in a pumping system, a single-acting expansible fluid pumping motor having a piston, a fluid supply connection therefor, an exhaust, a valve controlling said fluid supply connection, and means operative on interruption of the fluid supply automatically to close said valve, said means including means normally tending to close said valve, means precluding valve closure and controlling means for said last mentioned means including a cylinder, a plunger therein having end seating engagement with said cylinder, means for transmitting the supply of pressure to said cylinder, and means controlled by said plunger for releasing said valve from the control of said means which precludes valve closure.

2,004,146
MOTOR FOR PUMPING MECHANISMS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 20, 1932, Serial No. 612,538
48 Claims. (Cl. 121—126)



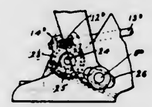
1. In a motor, in combination, a cylinder, a piston reciprocable therein, and valve mechanism for said motor including a valve and controlling means therefor having a plurality of pressure areas acting in the same direction and means for supplying pressure to said areas during one pass of the piston, from a space within said cylinder at the same side of said piston, in a predetermined order to cause said valve to perform one of its functions after both areas are supplied with pressure and venting the pressure from said areas in a reverse order during the opposite pass of the piston to cause reverse movement of the valve after venting of both areas.

2,004,147
HUMIDIFYING SYSTEM
Robert H. Worrall, Washington, D. C.
Application September 8, 1933, Serial No. 688,609
4 Claims. (Cl. 261—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



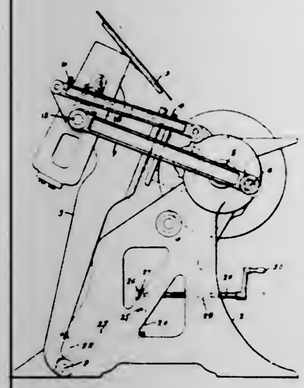
1. In combination with a heating unit, a humidifying device, said device comprising a source of moisture, means conducting moisture from said source above the heating unit, and means forming said moisture into a film and exposing said film to the air over said heating medium and below said moisture source, said conducting means comprising a perforated tube, a sleeve wick snugly encircling said perforated tube, said film forming means comprising a second wick tautly contacting with and depending from said sleeve wick.

2,004,148
PLATEN PRINTING PRESS
Edgar J. Young, Trowbridge, Wilts, England, assignor to The Chandler and Price Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1931, Serial No. 568,931
3 Claims. (Cl. 101—298)



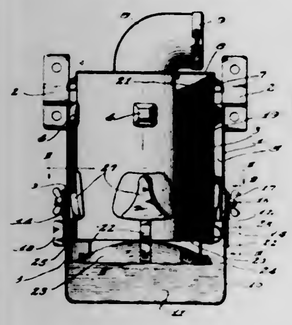
1. In a printing press, a platen, a movable form-carrying bed, a shaft below supporting said bed, and means in association with said shaft for regulating the parallelism of the bed with respect to the platen, said means including a variably-positionable carrier for said shaft and means for setting and retaining said carrier at any desired point in its range of positions.

2,004,149
PLATEN PRINTING PRESS
Hans Honigman, East Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application October 21, 1931, Serial No. 570,061
4 Claims. (Cl. 101—297)



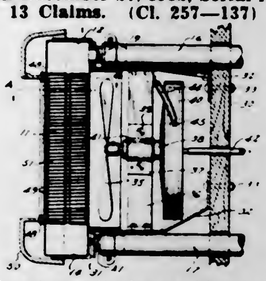
1. In a printing press of the Gordon type, a platen, an oscillatory form-carrying bed adapted to contact therewith, bushings rotatably mounted in said bed and provided with eccentric openings which form aligned bearings, a back-shaft journalled in said bushings, said back-shaft being oscillatory in said bushings to locate the bed for printing and throw-off positions respectively, and means for rotatively adjusting the bushings in their bearings within predetermined limits without rotating the back-shaft in said bushings so as to vary the position of the back-shaft to thereby regulate the impression of the form upon stock on the platen.

2,004,150
AIR CLEANER
Milton W. Zander, Chicago, Ill.; Leslie H. Whipp administrator of said Milton W. Zander, deceased
Application April 12, 1933, Serial No. 665,649
12 Claims. (Cl. 183—10)



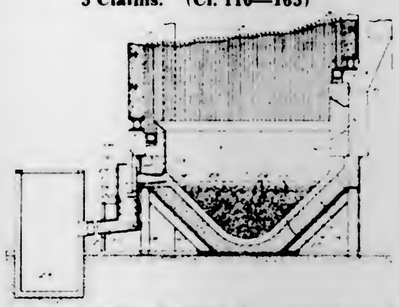
4. In an air cleaner, a casing having an inlet and an outlet spaced from said inlet, said casing having a liquid sump therein in the path of air traveling from said inlet to said outlet, and a plurality of air guiding members laterally spaced apart in the air path in advance of said liquid sump, said members each being shaped to direct the air in diverging streams and located in such relationship one to another that various air streams conflict with each other in the vicinity of the sump liquid and turbulate said liquid.

2,004,151
HEATER APPARATUS
Roger W. Angstman, Pontiac, Mich., assignor, by mesne assignments, to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application December 27, 1932, Serial No. 648,936
13 Claims. (Cl. 257—137)



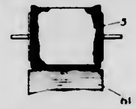
1. In a heating unit, the combination of a core having upper and lower tanks; fluid connections secured to said tanks; a front shell defining the margins of said core; a channel-shaped rubber cushioning member interposed between said front shell and said radiator unit; a shroud enclosing the back of said core having an opening therein for the passage of air; means for securing the shroud to said core; means for securing the shell to said tanks; and a fan for circulating air through said core.

2,004,152
SLAG BOTTOM FOR FURNACES
Phillips Badenhausen, Philadelphia, Pa., assignor to Badenhausen Corporation, Cornwells Heights, Pa., a corporation of Pennsylvania
Application May 25, 1931, Serial No. 539,833
5 Claims. (Cl. 110—165)



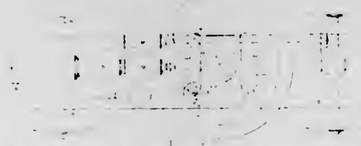
5. A combustion furnace for pulverized fuel comprising a closed furnace bottom lined with a material to which fused ash does not firmly adhere as it solidifies, said bottom having side walls sloping upwardly and outwardly in at least two directions at right angles to each other to permid solidified slag on said bottom to expand upon re-heating and slide upwardly on said walls without exerting substantial pressure horizontally, and means providing an opening in one side wall and spaced a substantial distance above the lowest point in said bottom through which fused ash may be withdrawn in liquid form.

2,004,153
APPARATUS FOR WINDING THREAD ON A BOBBIN
Seymour Wilson Brainard, Kenmore, N. Y., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application October 22, 1931, Serial No. 570,476
2 Claims. (Cl. 242—18)



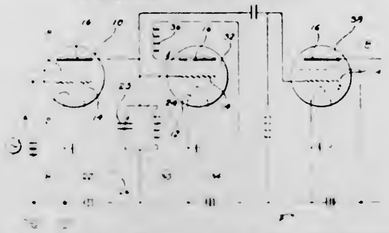
1. In the manufacture of rayon, a winding bobbin, and a roller having a soft and yieldable surface in driving contact with the material wound thereon.

2,004,154
ROAD PLANER
Wilfrid J. Beatty, Castroville, Calif.
Application May 21, 1934, Serial No. 726,636
6 Claims. (Cl. 37—108)



1. A road planer comprising a vehicle adapted to be advanced over a surface, a rotatable member supported on said vehicle and actuated during the advance thereof, and a plurality of surface-engaging cutting discs rotatably mounted in overlapping relationship on said member.

2,004,155
ELECTRICAL SYSTEM
Edward L. Bowles, Wellesley Farms, Mass.
Application October 12, 1927, Serial No. 225,678
14 Claims. (Cl. 179—171)

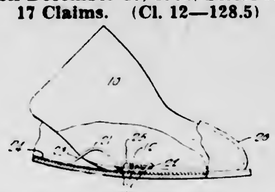


1. An electric system having, in combination, an input circuit, leads to the input circuit, an output circuit, leads to the output circuit, means for coupling the input circuit with the output circuit to create a tendency for the feed-back of energy from the output circuit to the input circuit, an electrode, means cooperating with the electrode for preventing the feed-back of energy from the output circuit to the input circuit, an impedance for producing a voltage drop, means connecting the impedance in the output circuit, a second input circuit, leads to the second input circuit, a second output circuit, leads to the second output circuit, means connecting the impedance in the second input circuit, and means for regeneratively coupling the second output circuit with the second input circuit to increase the effective impedance.

2,004,156
PRESERVATION OF LATEX
Wallace Ellwood Cake, Boenet, Asahan, Sumatra, Dutch East Indies, assignor to General Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 24, 1931, Serial No. 583,139
7 Claims. (Cl. 18—50)

7. Latex containing a preservative consisting of a small amount of phenol, soap and one or both of the following substances, ammonia and alkali metal hydroxide.

2,004,157
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application December 17, 1932, Serial No. 647,781
17 Claims. (Cl. 12—128.5)



1. A toe form having a prong movably secured thereto, the tip of which is adapted to penetrate the surface of the insole of the shoe in which the form is inserted, and means carried by the toe form independent of the prong for engaging it and yieldably holding the tip thereof in contact with the insole whereby the withdrawal of the form from the shoe is opposed.

2,004,158
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application July 10, 1934, Serial No. 734,479
6 Claims. (Cl. 12—128.5)

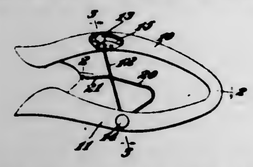


1. A toe form adapted to be inserted into a shoe and having side walls of inherently resilient material, provided with a cross brace connecting said side walls and a prong wire pivotally carried by said cross brace and terminating in a tip which, when the form is inserted in a shoe, is yieldably held by the cross brace in engagement with the inner sole of the shoe to resist the involuntary withdrawal of the form.

2,004,159
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application July 10, 1934, Serial No. 734,480
4 Claims. (Cl. 12—128.4)

1. A toe form comprising flanged side walls of inherently resilient material, a cross brace span-

ning said side walls and movable relative thereto and means connected to said cross brace at one end thereof and movable thereby, said means terminating in a pointed tip and being in engage-

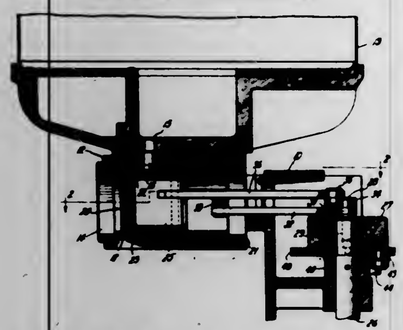


ment with a portion of the cross brace between the side walls whereby when the form is inserted in a shoe the tip is held by the cross brace in engagement with the inner sole thereof to resist the removal of the form from the shoe.

2,004,160
TETRA ALKYL LEAD
Frederick B. Downing, Alfred E. Parmelee, and Charles J. Pedersen, Carneys Point, N. J., and Joseph L. Stecher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 9, 1932, Serial No. 597,800
19 Claims. (Cl. 202—57)

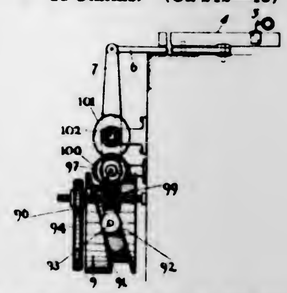
1. The method of recovering tetra alkyl lead from a lead sludge containing the same which comprises adding engine oil and thiocarbanilide to the lead sludge and then distilling off the tetra alkyl lead.

2,004,161
DISPENSING VALVE
Charles A. Fausel, Glenridge, N. J.
Application February 7, 1933, Serial No. 655,609
5 Claims. (Cl. 107—29)



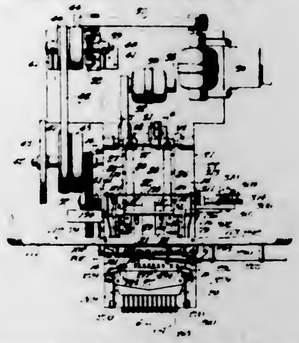
1. A dispensing valve comprising a casing formed with an intake port and a discharge port, a pair of pistons reciprocable in said casing to open and close said ports in alternation, the ports lying in planes spaced apart lengthwise of the casing to provide an idle transfer interval after each port is closed before the next port is opened, and mechanism for continuously driving the pistons in mutually timed relation such that the pistons will draw apart only when the intake port is open and will draw together only when the discharge port is open, the relative positions of the pistons remaining substantially constant during said transfer intervals with the pistons substantially in mutual contact during the transfer interval immediately following the closing of the discharge port.

2,004,162
BOBBIN TRAVERSE MOTION
Ernest K. Gladding and David F. Evans, Buffalo, N. Y., assignors to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application December 2, 1931, Serial No. 578,432
11 Claims. (Cl. 242—43)



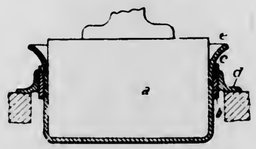
1. In a winding machine a rotating bobbin, a guide, reciprocating means for traversing the guide before the bobbin in a path less than the length thereof, eccentric means for shifting the path of the reciprocating means along the bobbin, and a non-circular gear operatively connected to the said means whereby the speed of the guide at the ends of its stroke will be regulated to produce a thread cake having substantially uniformly decreasing bevelled ends.

2,004,163
TICKET-STRINGING APPARATUS
Jacob F. Graeber, Norristown, Pa., assignor to The National Tag Manufacturing Corporation, New York, N. Y., a corporation of New York
Application December 10, 1929, Serial No. 412,978
20 Claims. (Cl. 93—91)



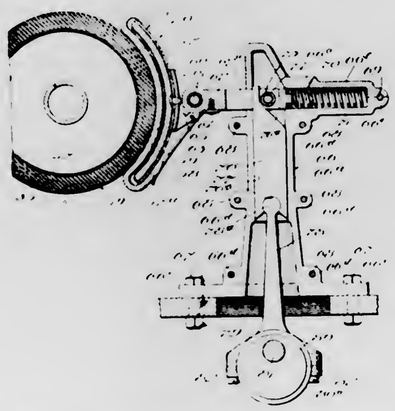
1. Apparatus for stringing a plurality of tickets of a strip of tickets comprising in combination, means for moving a strip of tickets to an operating position, needles for inserting strings in said tickets at operating position, means gripping said strings to said needles on downward movement to pull out strings from a source of supply, means for gripping the ends of said strings when inserted through said tickets, means including a swinging frame and ticket grippers for grasping said strip and pulling it away from said needles, means for actuating said frame to move it a maximum distance from said needles means for restoring tangs made in the tickets when the frame is in extreme off position, means for tying knots in said strings, said frame moving back to allow slack in said strings for said knotters, means to move said frame away again but a shorter distance to tighten said knots, means to sever said strings, and means to sweep said strip of tickets from said knotters and strip grippers onto a fixed rack.

2,004,164
MEANS FOR PRODUCING CONTAINERS
Otto Hofmann, Karlsbad, Czechoslovakia
Application October 24, 1932, Serial No. 639,320
In Czechoslovakia July 22, 1932
1 Claim. (Cl. 69—8)



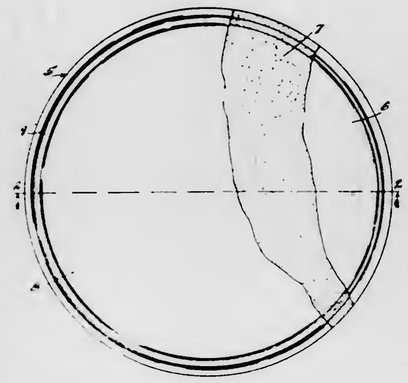
A machine for forming seamless leather suitcases, bags and satchels, comprising a core member having the shape of a suitcase and provided with openings for the passage of air, the cross-section of said core member being the same throughout the height thereof, a ring which is substantially smaller in height than said core member and the suitcase to be drawn, said core member being adapted to be inserted within said ring, the distance between the exterior surfaces of said core member and the inner surfaces of said ring being smaller than the thickness of the leather to be drawn, re-inforcing members connected with said ring at the exterior surfaces of the latter and supporting said ring, and means for supporting said reinforcing members.

2,004,165
IRONING MACHINE
John T. Hume, Chicago, and Harold L. Hart, River Forest, Ill., assignors to Electric Household Utilities Corporation, Cicero, Ill., a corporation of Illinois
Application March 21, 1932, Serial No. 600,090
6 Claims. (Cl. 68—9)



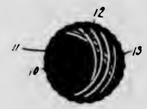
5. The combination in an ironing machine, of a rotatable roll, a shoe extending parallel to said roll, a slidably mounted member movable in a horizontal plane toward and from said roll, said shoe being mounted on said slidably mounted member, a roller carried by said member, a vertically slidable plunger having an inclined surface to coact with said roller, and power driven means for actuating said plunger.

2,004,166
COASTER
Stanley J. Low, Niles Center, Ill.
Application April 13, 1933, Serial No. 665,872
1 Claim. (Cl. 45—68.4)



In a coaster mat a pair of layers of absorbent cellulose material, a film of casein glue covering one side of each of said layers and adapted to bind said layer together and waterproof one layer from the other, the said coaster being provided with a peripheral bead comprising a ridge on one side of the mat and a channel on the other.

2,004,167
GOLF BALL
Norman Gibson Madge, Montclair, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 19, 1930, Serial No. 469,076
3 Claims. (Cl. 273—62)

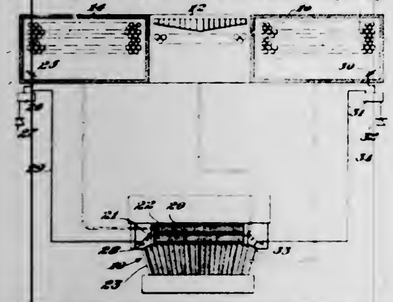


1. As an improved article of manufacture, a golf ball having a thread of rubber deposited directly from latex with smooth faces and rounded edges wound thereon under sufficient tension to result in a ball having a compression value of approximately nine percent.

2,004,168
PIPE ORGAN
Arthur H. Marks, New York, N. Y., assignor to Aeolian-Skinner Organ Company, Inc., Dorchester, Mass., a corporation of Massachusetts
Application May 22, 1933, Serial No. 672,100½
4 Claims. (Cl. 84—331)

1. A pipe organ comprising a group of stops which speak directly into an auditorium and a second group of stops which speak indirectly into

that auditorium, said second group of stops being acoustically insulated from the first group and



speaking indirectly into the auditorium through a loud speaker.

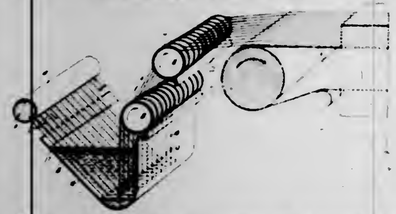
2,004,169

APPARATUS AND METHOD FOR CONVEYING THREADS

Frederic S. Mead, Cranston, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application July 14, 1934, Serial No. 735,161

12 Claims. (Cl. 18—8)



1. In an apparatus for conveying a plurality of threads, a rotating pull-roll having on the surface thereof a plurality of spaced parallel circumferential ridges on which the threads ride and from the tops of which the threads are kept from falling into the channels therebetween by a liquid associated with the threads at least at the surface of the roll.

2,004,170

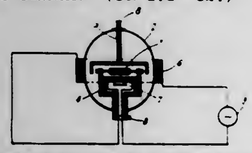
CRYSTAL HOLDER

Wilhelm Moser and Leopold Leng, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 6, 1934, Serial No. 710,036

In Germany February 6, 1933

4 Claims. (Cl. 171—327)



4. A piezo electric crystal holder comprising an oscillation crystal disposed in a vacuum chamber, an upper electrode having a ring-like portion surrounding said crystal, a lower electrode having a ring-like portion surrounding said crystal, said lower electrode having an aperture which is brought outside of said chamber, a bimetallic strip within said aperture, and a heater winding located outside of said chamber at a position which surrounds said electrode so as to insure the heating of said electrode by means of eddy-current heating, said bimetallic strip having contacts for controlling the current supply circuit for said heater winding.

2,004,171

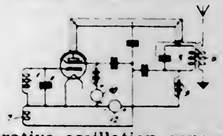
OSCILLATION GENERATOR

Herbert Muth and Wilhelm Runge, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 2, 1933, Serial No. 668,957

In Germany April 23, 1932

3 Claims. (Cl. 250—36)



1. A regenerative oscillation generator circuit comprising an electron discharge device characterized by high internal resistance having a cathode, anode, control grid and screen grid, a tuned input circuit coupled between said control grid and cathode, a tuned output circuit connected between said anode and screen grid, a coil inductively coupled to said input circuit and having one terminal connected to the cathode and the other terminal connected to the screen grid end of said output circuit whereby the currents in said screen grid and anode circuits additively combine in said coil to affect regeneration.

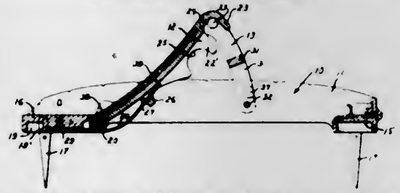
2,004,172

STARTING BLOCK

Everett F. Niday, Altadena, Calif.

Application July 31, 1934, Serial No. 737,733

8 Claims. (Cl. 272—59)



1. In a starting block, a body comprising a rectangular frame, a brace pivoted to said body between the sides of said frame, a foot plate pivotally mounted on said body between the sides of said frame and means to adjustably connect one end of the foot plate to the brace.

2,004,173

EYE SET FOR DOLLS

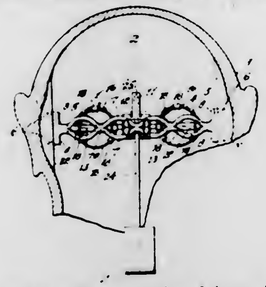
Nicholas Popovich, Teaneck, N. J., assignor of one-third to Joseph A. Taferner and one-third to Leo J. Schlitzer, both of New York, N. Y.

Application May 22, 1933, Serial No. 672,116

14 Claims. (Cl. 46—40)

1. In an eye mounting a supporting member comprising a substantially straight flat strip of ductile metal having end sections formed with integral prongs to be embedded in opposite walls of a doll head, said end sections being connected by integral longitudinally extending sinuous rod-like portions spaced apart and lying in the plane

of the strip and capable of being partially straightened and extended by tension exerted on said end sections tending to separate them,



whereby said prongs can be driven into a doll head and will be held in position in the doll head by the inherent rigidity of the metal of the strip to secure the supporting member in the doll head.

2,004,174

HEAT TREATMENT OF SAWS, ETC.

Alfred M. Remington, Fitchburg, Mass., assignor to Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts

Application December 30, 1931, Serial No. 583,819

3 Claims. (Cl. 219—11)



2. The method of heat treating an annular portion of a circular saw or like article, which comprises passing current through the portion, producing relative rotation between the path of the current and the article about the axis of the article, and continuing the rotation through a plurality of revolutions so that the annular portion is raised to a higher temperature during each revolution.

2,004,175

DISCHARGE TUBE

Walter Schottky, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application April 6, 1932, Serial No. 603,584

In Germany September 25, 1930

2 Claims. (Cl. 176—122)



1. A glow discharge device comprising an elongated envelope of circular cross-section having a gaseous filling therein, electrode elements supported at opposite ends of said envelope between which glow discharge takes place, and a metallic body positioned in the space between said electrodes for forming a constriction such that the direction of maximum luminosity is positioned substantially at right angles to the direction of discharge in the constriction.

2,004,176

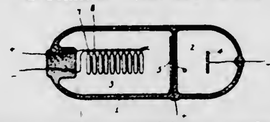
PHOTO-ELECTRIC TUBE

Fritz Schröter and Otto Schriever, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 11, 1931, Serial No. 580,252

In Germany December 11, 1930

4 Claims. (Cl. 250—27.5)



1. A photo tube comprising a sealed envelope, a gas tight metal diaphragm permeable to high speed electrons and mounted in said envelope dividing it into two separate gas tight chambers, one of said chambers being highly evacuated and having a light transparent wall and the other chamber containing gas at low pressure, a photoelectric cathode mounted in said highly evacuated chamber, and a pair of cooperating electrodes mounted in the other chamber.

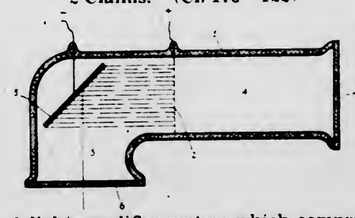
2,004,177

LIGHT AMPLIFIER

Otto Schriever, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany

Application January 19, 1932, Serial No. 587,467. Renewed March 4, 1935. In Germany January 20, 1931

2 Claims. (Cl. 176—122)



1. A light amplifier system which comprises an envelope divided into a pair of chambers one of said chambers being a high vacuum chamber and the other of said chambers being a gas filled chamber, an electron permeable partition separating said chambers, a photoelectric element positioned in the chamber subjected to a high vacuum, and a voltage source for producing within the tube an electrical field to cause a flow of electrons from the high vacuum chamber to the gas filled chamber to cause the gaseous filling thereof to become ionized upon the passage of photoelectrons through said electron permeable partition whereby a magnified effect of the light initiating the photoelectron stream is obtained in said gas filled chamber.

2,004,178

AUTOMATIC FUEL REGULATOR

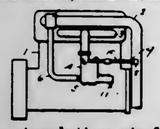
Charles L. Stokes, Los Angeles, Calif., assignor, by mesne assignments, to Lynn A. Williams, Evanston, Ill., and Clifford C. Bradbury, Glencoe, Ill., as successor trustees

Application November 9, 1926, Serial No. 147,250

3 Claims. (Cl. 123—119)

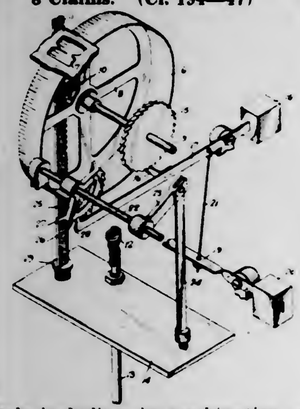
1. A carburetor having an intake passage, a liquid fuel reservoir, a throttle in said passage,

a well between the reservoir and said passage and connected to each, and deflecting means in



said passage for circulating air from the passage through the well and past said throttle.

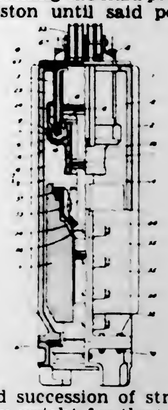
2,004,179
COIN CONTROLLED SCALE
Harold L. Walker, Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y., a corporation of New York
Application May 17, 1933, Serial No. 671,439
8 Claims. (Cl. 194—47)



1. A scale including, in combination, a registering mechanism, a rotatable shaft forming a part of said mechanism, a member shiftably responsive to a weight associated with said scale, means whereby said shaft may rotate responsive to the degree of movement of said member, an annular ratchet secured to said shaft, a pawl engaging said ratchet, a lever mounting said pawl, means for supporting said lever in a position wherein said pawl is disengaged from said ratchet, a coin releasing mechanism for shifting said lever, said supporting means comprising a body connected to and shiftable in response to movements of said member, and a series of lever diverting elements associated with said body and acting to move the same to an unsupported position in response to movements of said member.

2,004,180
POWER HAMMER
Campbell V. Adams, Chicago, Ill.
Application February 4, 1931, Serial No. 513,269
7 Claims. (Cl. 121—30)

1. In a pile driving hammer, a cylinder, a piston operating in said cylinder, a ram driven by said piston, and valve means for supplying motive fluid at uniform pressure to said cylinder below said piston whereby the fluid will act to raise said ram and then at the proper time during the upward movement will be supplied to and remain in said cylinder above said piston substantially at the same and uniform pressure to cushion the upward movement and to assist in accelerating the descent of said ram said valve means releasing the fluid above said piston after said ram has travelled downwardly to the position of impact, maintaining the fluid pressure constant against said piston until said point of impact



securing a rapid succession of strokes combined with a heavy ram weight for the total weight and striking energy employed.

2,004,181
SIGN
Samuel F. Arbuckle and Guy H. Coulter, Highland Park, Mich., assignors to S. F. Arbuckle Corp., a corporation of Delaware
Application May 28, 1930, Serial No. 456,786
12 Claims. (Cl. 40—136)



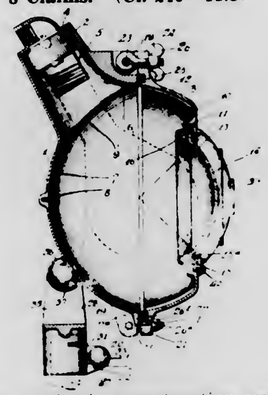
1. A sheet metal plate having indicia thereon, said indicia having a plurality of surfaces inclined to the plane of the plate for reflecting light at a plurality of angles, said surfaces being arranged to reflect light at a greater angle in one plane than in a plane perpendicular thereto.

2,004,182
STRAP WITH ATTACHED WASHERS AND METHOD OF MAKING THE SAME
Fred C. Arey, Oak Park, Ill., assignor to Vulcan Soot Blower Corporation, a corporation of Pennsylvania
Application November 1, 1933, Serial No. 696,175
6 Claims. (Cl. 29—150)



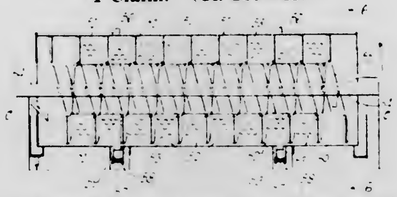
5. The method of securing together a metal strap and a washer and creating in the strap an opening registering with that in the washer, which consists in laying the strap flat upon the washer and then driving through the strap and into the hole in the washer a punch almost as large as the hole in the washer and shaped to rupture the metal of the strap and press it into the opening in the washer in the form of prongs of a length no greater than the thickness of the washer.

2,004,183
LIGHTING FIXTURE
Reuben B. Benjamin, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application February 16, 1931, Serial No. 515,933
Renewed August 5, 1933
8 Claims. (Cl. 240—11.3)



1. A light projecting construction comprising a concave reflector, means for supporting an electric bulb with its light source between the center or centers of curvature and the focal points of the reflector whereby the reflected rays converge and cross each other, a zonal spherical reflector in front of said concave reflector having its center substantially at the light source whereby light from the zonal reflector will be reflected back onto the concave reflector and re-reflected as converging crossing rays, said zonal reflector having its rear edge adjacent the front edge of the concave reflector, and a protecting outwardly convex spherical glass cover in front of the bulb, said glass cover being substantially nearer the light source than is the zonal reflector, the outside diameter of said glass cover being materially less than the smaller diameter of the zonal reflector.

2,004,184
PROCESS FOR DIFFUSION
Julien Bergé, Tirlemont, Belgium, assignor to Raffinerie Tirlemontoise, Société Anonyme, Tirlemont, Belgium, a corporation
Application February 9, 1931, Serial No. 514,515
In Belgium February 11, 1930
1 Claim. (Cl. 127—45)



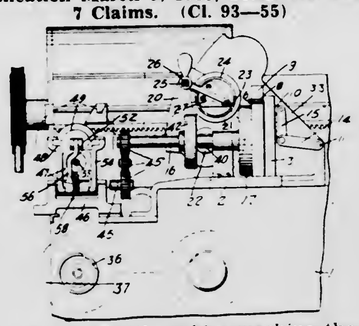
The process of extracting sugar from beet slices the cell walls of which have been preserved intact except for surface ruptures occurring in the slicing operation, which comprises providing a confined column of water in successively segregated masses, simultaneously and continuously moving said segregated masses of water along a substantially horizontal path; providing a mass of beet slices and simultaneously moving said beet slices in a similar column of segregated masses continuously and in a substantially coaxial sinuous path through said column of segregated masses of water in countercurrent relationship thereto at atmospheric pressure.

2,004,185
FRAME FOR BAGS, PURSES, AND THE LIKE
Benjamin Blacher, Providence, R. I., assignor to Blacher Brothers, Providence, R. I., a partnership consisting of Benjamin Blacher and Harry Blacher
Application February 17, 1934, Serial No. 711,763
3 Claims. (Cl. 150—29)



1. In a frame for bags, purses and the like, the combination of a pair of frame-members constructed of channeled strips bent to form top portions with legs extending at an angle thereto, means for pivotally connecting the ends of the legs to adapt the frame-members to swing into open and closed position, and an integral strip on the side wall of the top portion of each frame-member extending throughout substantially one-half its length and folded double across the top of the channel in said top member and then rearwardly therefrom with its end underlying the upper portion of the strip, said flanged strips being adapted to aline when the frame-members are closed together to provide a protecting shield extending across the top of the frame.

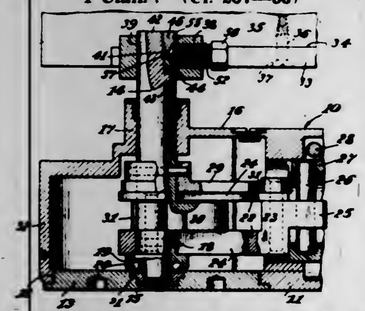
2,004,186
BOTTLE BOTTOM INSERTING AND SPINNING MECHANISM FOR PAPER BOTTLE MAKING MACHINES
Andrew Bodor, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1933, Serial No. 660,088
7 Claims. (Cl. 93—55)



1. In a paper bottle making machine, the combination with a movable carrier for the open ended bottle bodies, a paper disc holder, means

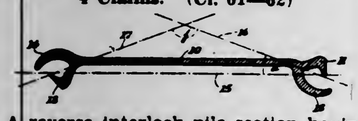
for feeding the discs to a position opposite the open end of the bottle, means for forcing the discs into the bottom end so as to fit within the bottle body, means for spinning the end edge of the bottle body and the upset portion of the disc inward, such means comprising a suitably driven shaft mounted in a stationary bearing member, a longitudinally movable bearing member mounted upon the stationary bearing member, a shaft journalled in the movable bearing member, a broad toothed gear secured to the shaft of the movable bearing member, a narrow toothed gear mounted upon a suitable driven shaft in mesh with the broad toothed gear, a spinning head secured to the longitudinally movable shaft, and cam means for forcing the movable bearing member longitudinally against the open end of the bottle when brought to the spinning position.

2,004,187
ADJUSTABLE DOOR SUPPORT AND COUPLING
Emil Bommer, Brooklyn, N. Y.
Original application January 11, 1932, Serial No. 585,832, now Patent No. 1,978,736. Divided and this application June 16, 1932, Serial No. 617,643
1 Claim. (Cl. 287—53)



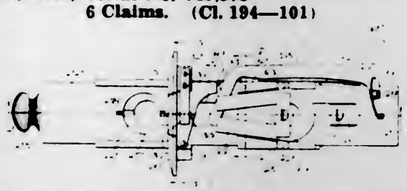
In a door closing means in which a pintle is disposed in a vertical position and a door is provided with a fitting adjustably connected to said pintle, said connection comprising a hub portion on said fitting having a vertical bore to receive said pintle, said pintle having a recess at its upper end opening through the side thereof, said recess increasing in depth in an upward direction, said hub bore having a vertical recess at one side thereof opening into said bore, a tapered slip-block disposed in both of said recesses, said slip block having a circular recess, and a threaded locking element carried by the hub with its inner end disposed in said circular recess.

2,004,188
REVERSE ANGLE INTERLOCK PILING
Adolf Berberg, Short Hills, N. J., assignor to Dortmund Hoerder Huettenverein Aktiengesellschaft, Dortmund, Germany, a corporation of Germany
Application January 5, 1934, Serial No. 705,361
4 Claims. (Cl. 61—62)



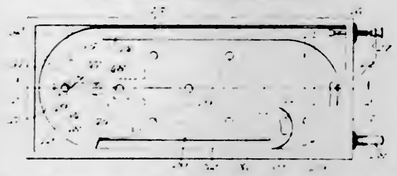
1. A reverse interlock pile section having unlike contoured interlock elements at its edges, and in which the axis of the interlock at each edge is disposed at an angle to the section axis and to the axis of the interlock at the other edge, whereby in a plurality of interlocked sections the angles of adjacent interlock axes to their appertaining section axes neutralize each other to form a straight wall when like contoured interlock edges are connected and are added to each other to form a curved wall when unlike contoured interlock edges are connected.

2,004,189
COIN SLIDE
Herbert G. Breitenstein, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Illinois
Original application September 7, 1933, Serial No. 688,428. Divided and this application October 23, 1934, Serial No. 749,573
6 Claims. (Cl. 194—101)



4. In a device of the character described, the combination of an elongated slide having a coin receiving aperture, a guide frame for the slide adapted to permit a full predetermined length of stroke when the slide aperture contains a coin, a magnet carried by the frame, said magnet being operative to take and hold a magnetic coin out of the aperture, lock means to prevent completion of the stroke under such circumstances, a spring to return the slide to its initial starting position, a forwardly extending spring pressed member pivotally carried adjacent the inner or rear end of the slide, said member having a hooked end normally spanning the slide below the magnet, and means to guide the hooked end laterally of the slide when it is moved inwardly and to permit the hooked end to disengage a magnetic coin from the magnet when the slide is returned forcibly to eject such coin from the slide.

2,004,190
PINBALL AMUSEMENT GAME
Herbert G. Breitenstein, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application January 16, 1935, Serial No. 2,078
7 Claims. (Cl. 273—121)



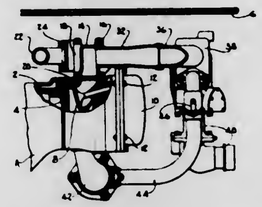
1. In a game of the class described having a play board inclined from the horizontal and provided with ball receiving holes, a projector for rolling balls onto the board, a movably mounted resilient member operatively associated with the board to be hit by projected balls so that they rebound therefrom for gravitation toward said holes, and means controlled by the projection of a ball to move said resilient member out of the path of movement of a subsequently projected ball to prevent such ball from rebounding therefrom.

2,004,191
ELECTRIC FUSE
Henry T. Bussmann, St. Louis, Mo.
Application August 20, 1932, Serial No. 629,577
8 Claims. (Cl. 200—135)



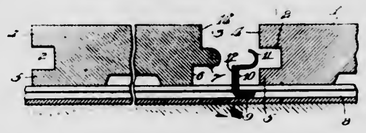
1. A fuse link having terminal portions, a relatively short fusing portion near each of said terminal portions, said fusing portions having substantially the same intrinsic current carrying capacity, a relatively long intermediate member between said fusing portions, a fusing section having an intrinsic current carrying capacity greater than said fusing portions within the length of said member, said fusing section being situated near the center of the link, said member having portions adjacent the fusing section of thickness greater than the terminal portions, to conduct heat from the fusing section whereby the temperature rise in the fusing section is temporarily retarded on the passage of an electric current through the link and the fusing section is enabled to carry currents heavy enough to fuse one of the fusing portions for a period of time long enough to permit one of said fusing portions to fuse.

2,004,192
MANIFOLD SYSTEM FOR INTERNAL COMBUSTION ENGINES
James F. Chapman, Upper Darby, and Frederick E. Dayes, Philadelphia, Pa., assignors to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application September 25, 1933, Serial No. 690,826
3 Claims. (Cl. 123—59)



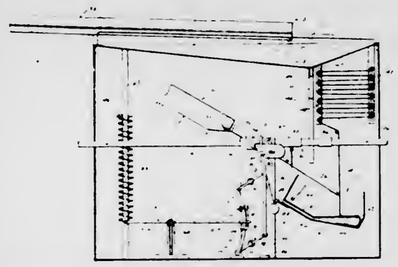
1. In an internal combustion engine of the horizontal type having a removable cylinder head, an intake manifold and exhaust manifold, said intake manifold being arranged above and discharging downwardly into the engine cylinders, branches leading from the intake manifold and extending substantially adjacent to the cylinders and terminating beyond the cylinder head, a carburetor arranged in a vertical plane, a header connecting the intake manifold branches and the carburetor, a hot box between the carburetor and the intake manifold enclosing a portion of the header, and a connection between the exhaust manifold and the hot box, said connection extending horizontally from the exhaust manifold to a position beyond the cylinder head and being bent upwardly in substantially vertical alignment with the carburetor and terminating in said hot box.

2,004,193
BOARD OF THE TONGUE AND GROOVE TYPE
Frank W. Cherry, Kenilworth, Ill., assignor to Lug-Lox Flooring Company, a corporation of Illinois
Application December 5, 1934, Serial No. 756,038
8 Claims. (Cl. 20—8)



1. A board of the tongue and groove type having on the under side of the tongue a rib or bead extending lengthwise of the tongue.

2,004,194
VALVE CONTROLLING SYSTEM
Patrick De Lacy-Mulhall, Los Angeles, Calif.
Application May 31, 1930, Serial No. 458,093
Renewed October 31, 1934
11 Claims. (Cl. 137—146)

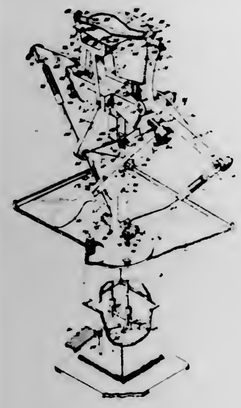


1. In combination with a conduit having a control valve, valve operating means for alternately opening and closing said control valve, said means including a valve operating shaft, a swinging weight arm mounted on said shaft, a weight carried by the weight arm, a swinging bucket-arm mounted on the shaft and extending oppositely to the weight arm, means for diverting fluid from the conduit into the bucket, and means for dissipating fluid from the bucket; releasable locking means adapted to hold said valve closed against said operating means; and temperature controlled means for operating said valve locking means to cause release of the valve.

2,004,195
PREWELT SHAPING MACHINE
Carl George Deubel, St. Louis, Mo., assignor to Progressive Service Company, St. Louis, Mo., a corporation of Missouri
Application March 29, 1933, Serial No. 663,314
21 Claims. (Cl. 12—7)

1. A pre-welt shaping machine comprising a support for a pre-welt shoe upper, shaping members for the side portions of the shoe upper at the welt, mechanism for operating said shaping members to shape the side portions of the shoe

upper at the welt, and flexible shaping means for shaping the curved end portions of the shoe upper at the welt between the portions of the shoe upper that are shaped by said shaping members.



2,004,196

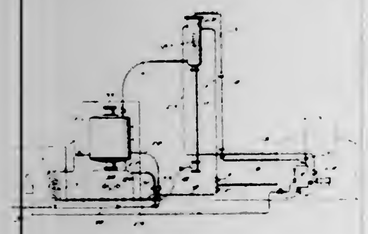
PROCESS FOR TREATING PETROLEUM OIL

Carbon P. Dubbs, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application July 31, 1922, Serial No. 578,704

Renewed July 11, 1934

4 Claims. (Cl. 196—48)



1. A continuous process for cracking hydrocarbon oil consisting in passing a constant volume of combined charging oil and reflux condensate through a heating zone wherein it is raised to a cracking temperature, in delivering the heated oil from said heating zone to a reaction zone wherein conversion occurs and from which no unvaporized oil is permitted to return to the heating zone, in passing evolved vapors to a dephlegmating zone wherein they are subjected to reflux condensation by passage in heat interchange relation with the incoming charging oil, in reducing the proportion of charging oil and increasing the proportion of reflux condensate in said constant volume of oil introduced to the heating zone by decreasing the amount of charging oil introduced to the dephlegmating zone and simultaneously returning to the dephlegmating zone an amount of the pressure distillate produced by the process sufficient to compensate for the decreased condensing effect due to the decrease in the amount of charging oil introduced to the dephlegmating zone.

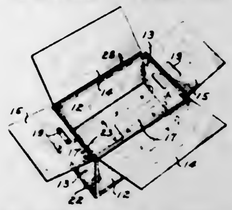
2,004,197

BOX STRUCTURE

Albert S. Ethridge, Milwaukee, Wis., assignor to Hummel & Downing Co., Milwaukee, Wis., a corporation of Wisconsin

Application May 24, 1933, Serial No. 672,553

10 Claims. (Cl. 229—52)



1. In a box structure, a continuous series of walls having a metallic reinforcing band secured to the top portion thereof, said band having local slots therein, and a cover having flanges insertible within said band and tongues insertible within said slots.

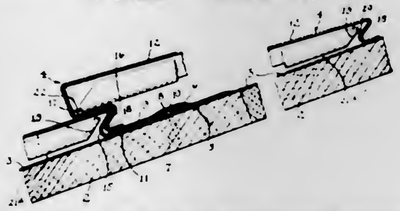
2,004,198

ROOF CONSTRUCTION

Joseph W. Fall, Evanston, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois

Application March 29, 1933, Serial No. 663,262

10 Claims. (Cl. 108—17)



1. A sheet metal shingle construction comprising upper and lower shingles, the lower end of the upper shingle having an inwardly returned portion overlying the upper edge of the lower shingle, said shingles having interengaging means adjacent said edges and underneath both said shingles when interengaged for holding the lower edge of the upper shingle down, and a nailing portion extending outwardly of said upper edge and located below said interengaging means.

2,004,199

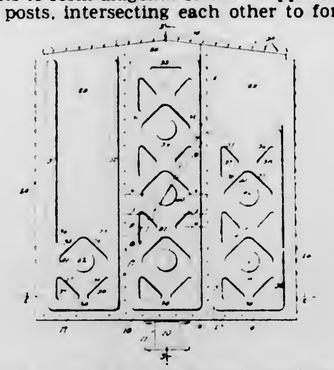
PRESSED STEEL CAR END

John P. Gallagher, Jersey City, N. J.

Application September 22, 1932, Serial No. 634,346

28 Claims. (Cl. 105—410)

1. An upright structural part of a car body adapted to resist loads imposed thereon in a horizontal direction, and which loads are usually localized at a point thereon intermediate its upper and lower edges, said structural part comprising a one-piece sheet of metal provided in spaced relation to its outlining edges with long corrugations, substantially U-shaped in cross section and forming vertical posts, other corrugations opening at their ends into and connecting the posts at top and bottom thereof to form horizontally extending struts and coacting with the posts to form a rectangular continuous reinforcing frame spaced inwardly from the outlining edges of the sheet, and certain other corrugations positioned between and extending at an angle to the posts to form diagonal struts at opposite ends of the posts, intersecting each other to form an X located in the frame in spaced relation to one end of the frame



2,004,200

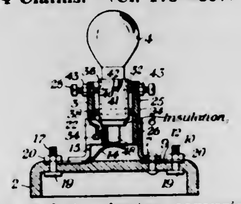
LAMP SOCKET ADAPTER

Carl L. Goodlin, Wilkinsburg, and Thomas J. O'Meara, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 2, 1931, Serial No. 566,572

Renewed August 11, 1934

4 Claims. (Cl. 173—357)



2. A lamp socket adapter comprising an internally screw threaded metal cylinder, the lower portion of which is accurately machined to provide a snug sliding fit with a lamp socket, a lamp socket member extending into the upper end of said cylinder with considerable clearance, a ring like element secured to said socket member within said cylinder and provided on its outer surface with screw threads which cooperate loosely with the threads on said cylinder, whereby the socket member can be adjusted along and about the axis of said cylinder and can also be tilted a certain amount in any direction within said cylinder, and screws screwed through said cylinder and cooperating at their inner ends with said socket member for tilting said socket member.

2,004,201

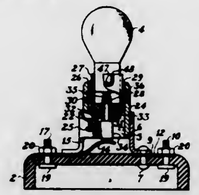
LAMP SOCKET ADAPTER

Carl L. Goodlin, Wilkinsburg, and Thomas J. O'Meara, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application October 2, 1931, Serial No. 566,572. Divided and this application August 8, 1934, Serial No. 739,000

1 Claim. (Cl. 173—357)

A lamp socket adapter comprising a cylindrical base member provided at its upper end with an inwardly projecting flange, a lamp socket member extending into said base member and having a relatively tight fit at the flange and clearance below the flange, a plurality of screws screwed through the base member in angular spaced relation a predetermined distance below said flange and cooperating at their inner ends with said socket member to provide tilting adjustment of the socket member relative to the axis of the base member, the members being autogenically joined together in their adjusted positions.



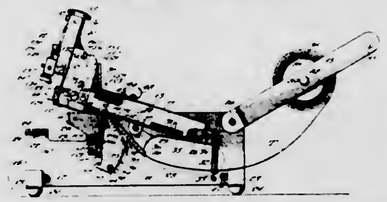
2,004,202

TAG PRINTING AND STAPLING MACHINE

Albert F. Horton, Cranston, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine

Application November 2, 1928, Serial No. 316,836

19 Claims. (Cl. 93—88)



1. In a stapling-machine, the combination of a work-support, means for feeding tags or the like into position to be stapled to the work held on the support, an arm movable with respect to the work-support, stapling-means carried on the arm and operative to insert the staples to attach the tags to the work, and printing-means operated from the stapling-means to print the tags as they are attached to the work.

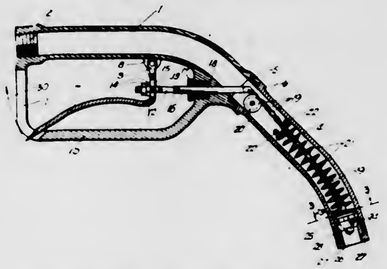
2,004,203

SPOUT FOR HOSE NOZZLES

James W. Howell, Chickasha, Okla.

Application March 25, 1935, Serial No. 12,939

2 Claims. (Cl. 221—84)



1. In a device of the class described, in combination, a frame for connecting a hose to a spout, a spout having an arcuate section intermediate its ends, said spout being threaded into said frame, a lever hinged to said frame and pro-

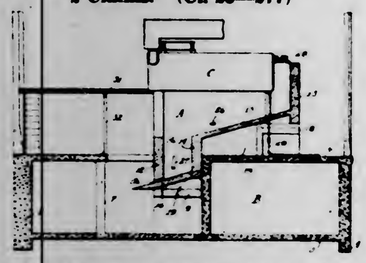
tected by a guard having a slot for directing the movement of the free end of the said lever in one plane, an adjustable bolt and hinge plate means for connecting said lever with a pull rod extending through a packing nut in the said frame and into the upper end of the said spout, a chain attached to the inner end of the said pull rod and riding over a pulley located within the upper end of the said spout, said chain being threaded through a coiled compression spring within the arcuate section of the said spout, pins through the said spout forming a stop for the said spring, the lower end of the said chain being attached to a valve stem supporting a spider guide which forms the lower stop for the said spring, and a valve for seating in a valve seat bushing screwed into the lower end of the said spout, the said bushing having a knurled outer surface to facilitate its removal by hand.

2,004,204
REENFORCEMENT FOR MATS
Oscar W. Jackson, Rockville Centre, N. Y.
Application April 24, 1934, Serial No. 722,143
3 Claims. (Cl. 154—49)



1. An edging for mats comprising bottom and top plates respectively secured on the lower and upper surfaces of a mat at an end thereof, both of said plates having outer portions extending a substantial distance beyond said mat end and the outer portion of the top plate being bent downwardly to meet the outer edge of the bottom plate to provide an inclined approach extending from the floor level.

2,004,205
SMELTING FURNACE FOR BLACK LIQUOR
Alfred G. Kernin, Mosinee, Wis., assignor to Mosinee Paper Mills Company, Mosinee, Wis., a corporation of Wisconsin
Application January 9, 1932, Serial No. 585,656
2 Claims. (Cl. 23—277)



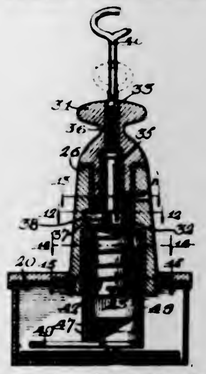
2. A furnace for the regeneration of black liquor having a two-part bottom, each part being located at a different level to thereby provide an upper combustion zone and a lower reduction zone, the bottom of the upper zone extending upwardly and rearwardly from the reduction zone, a tuyere for introducing a mixture of black liquor and air to the combustion zone, said tuyere extending to the rear of said combustion zone to direct said stream away from said reduction zone and ducts for introducing air to the lower combustion zone.

2,004,206
EXTENDIBLE CLASP OR CONNECTING DEVICE FOR STRAPS, BANDS, AND BRACELETS
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application February 20, 1932, Serial No. 594,265
8 Claims. (Cl. 24—71)



1. In an extension buckle, a plurality of sections hinged together to fold one on the other, one of said sections comprising two relatively slidable members, interengaging means on said slidable members for holding said members in at least three different positions of longitudinal adjustment, and a finger-piece operatively connected to the interengaging means on one of the slidable members to release said means whereby adjustment of the members may be had, said finger-piece being positioned to be engaged when the sections are in folded relationship.

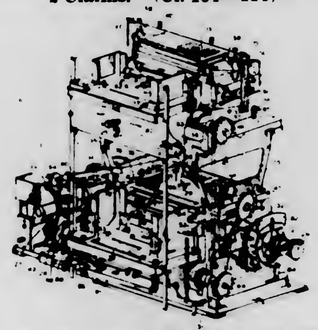
2,004,207
SWITCH
Ovide Lapiante, Riviere Du Loup Centre, Quebec, Canada
Application June 11, 1934, Serial No. 730,049
In Canada April 9, 1934
4 Claims. (Cl. 200—44)



1. A switch of the character described comprising a housing, fixed contact means in the housing connected with the terminals of an electric circuit, a movable blade operable to assume circuit closing engagement with the fixed contact means, a rotary blade supporting member, means

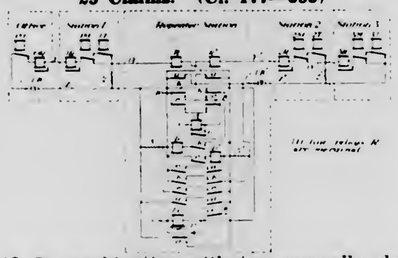
rigidly connecting one end of the blade with the bottom of the said member, a casing attached to the housing, a rotary plunger axially movable in the casing, the said plunger engaging the casing so as to be non-rotatable when retracted and rotatable when extended, means connecting the plunger with the blade supporting member so that the latter is rotated with the plunger, and means for immovably locking the plunger in the casing.

2,004,208
PUNCHING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application June 13, 1932, Serial No. 616,926
2 Claims. (Cl. 164—114)



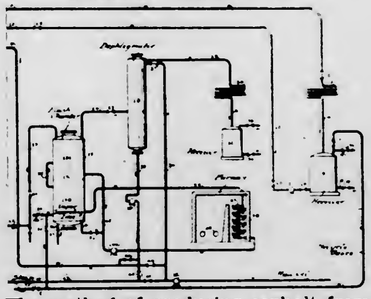
1. In a machine of the class described, the combination of a field of record sensing means, a corresponding gag-field controlled thereby for rendering corresponding punches active, means operable in accordance with the presence or absence of a record for enabling or disabling the sensing means control, and means including a key controlled bail for retaining the activity of the punches notwithstanding the disablement of the sensing means.

2,004,209
REMOTE CONTROL SYSTEM
Alfred B. Miller, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 15, 1932, Serial No. 633,308
25 Claims. (Cl. 177—353)



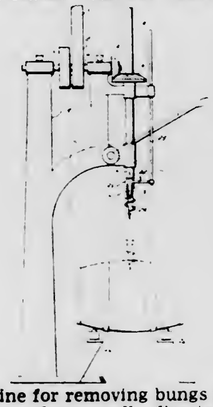
13. In combination with two normally closed line circuits each including a plurality of line relays, a transmitting contact and a normally closed contact controlled by one of the line relays of the other circuit, detector means for each circuit responsive to the opening of a transmitting contact and the consequent release of the line relays of both circuits for detecting when potential is again applied to such circuit, and means controlled by the detector means for each circuit for restoring the other line circuit to its normally closed condition when potential is applied to both line circuits.

2,004,210
METHOD OF PRODUCING ASPHALT
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application November 25, 1929, Serial No. 409,434
2 Claims. (Cl. 196—74)



1. The method of producing asphalt from the unvaporized oil formed in the pressure zone of an oil cracking system which comprises removing said unvaporized oil from the pressure zone and passing the same without substantial heat loss to a zone of pressure reduction wherein vaporization takes place by the latent heat of said oil, separately removing vapors and residuum from said zone of pressure reduction, circulating said residuum in a cycle through a heating zone and an independent vapor separating zone, and continuing such circulation of said residuum between the heating zone and the independent vapor separating zone until the same has been reduced to an asphaltic condition.

2,004,211
BUNG WITHDRAWAL MACHINERY
Albert M. Munzinger, Janesville, Wis.
Application October 14, 1933, Serial No. 693,549
1 Claim. (Cl. 217—112)



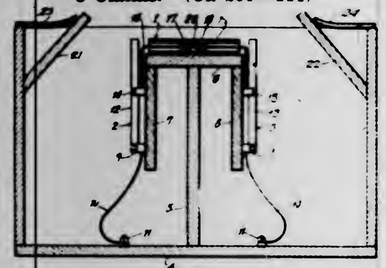
In a machine for removing bungs from barrels, a drill having a downwardly directed bit for engagement with the bung of a barrel, a track below the bit and a pair of bung aligning members projecting to levels above the tracks and having

arcuately recessed upper surfaces for the reception of the rounded surface portions of barrels, said arcuately recessed upper surfaces of the members having sockets therein, and spherical elements mounted in said sockets for universal movement and projecting above the immediately surrounding surfaces of the said members to form rests supporting the barrel for free longitudinal tilting and rotation to align the bung of the barrel with said bit.

2,004,212
HIGH TENSION FUSE SWITCH

Thomas E. Murray, Jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation, a corporation of New York

Application February 5, 1930, Serial No. 425,949
8 Claims. (Cl. 200—114)



1. Apparatus of the type described comprising a switch movable to open position, a fuse in series with said switch, and a member driven by said fuse upon blowing to move said switch to open position.

2,004,213
HITCH CONNECTION

Talbert W. Paul, Kansas City, Kans., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application November 18, 1932, Serial No. 643,181
8 Claims. (Cl. 280—33.44)



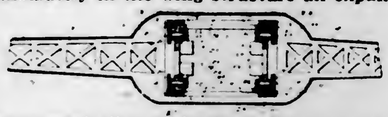
5. In the combination of a tractor, and a mower attached to said tractor and having a cutter bar adapted for swinging rearwardly relative to the tractor, a hitch device comprising a frame having its forward end pivotally connected with said tractor, and means connected with the rear end of said frame and contacting the ground for supporting said frame in spaced relation to the ground, said means permitting said bar to pass thereunder when said bar is swung relatively to the tractor.

2,004,214
VARIABLE INCIDENCE PLANE

Adolphe C. Peterson, Minneapolis, Minn.

Application July 20, 1932, Serial No. 623,674
4 Claims. (Cl. 244—12)

1. In an aeroplane, a longitudinal structure bearing control aerofoils, a wing bearing structure incorporated in the longitudinal structure and forming an arcuate bearing guide in the upper part of the wing bearing structure and an arcuate bearing guide in the lower part of the wing bearing structure, a wing structure bearing wing surfaces and having integrally formed intermediately in the wing structure an expand-

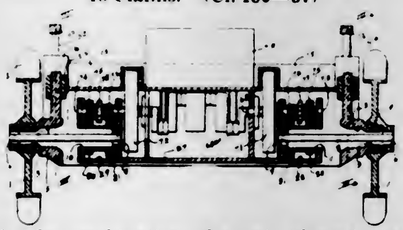


ed frame vertically and horizontally sized transversely of the longitudinal structure to approximate the transverse section of the longitudinal structure, and means for partial rotation of the wing structure on the wing bearing structure to vary the angle of incidence.

2,004,215
UNIT ASSEMBLY ENGINE AND DRIVE MEANS

Adolphe C. Peterson, Minneapolis, Minn.

Application June 16, 1933, Serial No. 676,157
18 Claims. (Cl. 180—57)



1. The combination of a pair of road wheels, a pair of transverse members extending between the road wheels, means whereby the road wheels are guidably and yieldably supported one at each end of the transverse members, an engine supported by the transverse members and means for transmitting propulsive effort from the engine to the road wheels comprising a pair of fluid clutches each having a correlated driving element and variable transmission means in cooperation with a correlated one of the road wheels.

2,004,216
FULL FASHIONED KNIT STOCKING

Reginald Pike, Philadelphia, Pa.

Application January 19, 1933, Serial No. 652,476
7 Claims. (Cl. 66—184)

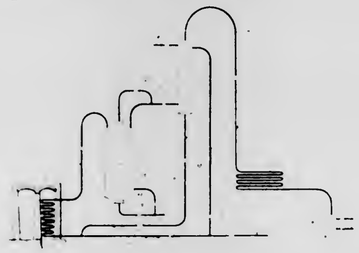
1. A full fashioned knitted stocking having a tapered toe portion, said toe portion being

fashioned of two corresponding bottom parts seamed to each other, each of said bottom parts having all its wales parallel, and an intermediate tapered part knitted directly to said bottom parts, said intermediate tapered part having all its wales parallel and being formed of substantially heavier and more compact material than that of said bottom parts, and the intermedite heavy part extending over the top, around the sides, and into the bottom of the toe portion.

2,004,217
OIL CRACKING APPARATUS

Frederic M. Pyzel, Piedmont, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application August 11, 1928, Serial No. 298,900
Renewed September 16, 1932
2 Claims. (Cl. 196—107)

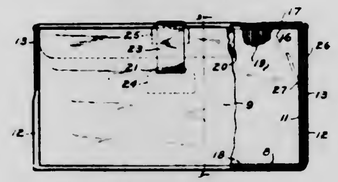


1. An apparatus for hydrocarbon oil conversion, comprising in combination a heating tube mounted in a heating zone, an enlarged drum in communication with the outlet of said tube, a liquid draw-off in cooperative communication with the lower portion of said drum and a vapor draw-off from said drum having an extension projecting for a substantial distance into said drum, and a valve controlled by-pass establishing communication between the upper portion of said drum and that portion of the vapor draw-off disposed outside the drum.

2,004,218
CONTAINER

Arthur Ratcliff, Milwaukee, Wis., assignor to Hummel & Downing Co., Milwaukee, Wis., a corporation of Wisconsin

Application March 25, 1933, Serial No. 662,693
2 Claims. (Cl. 229—45)

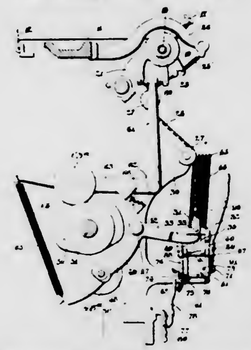


1. In a container, a cover and walls cooperable to provide an enclosure, a sealing device releasable without destruction only from within said enclosure, some of said walls having handle openings therein, and means within the container for preventing access to said sealing means from within the enclosure.

2,004,219
AUTOMATICALLY VARIABLE TENSIONING DEVICE FOR DRAW-OFF REELS

Max Richter, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application November 25, 1931, Serial No. 577,204
18 Claims. (Cl. 66—149)



1. In a knitting machine including mechanism for laying and preselecting the laying of thread courses, a fabric draw-off reel, means associated with said reel for applying tension thereto, and mechanism responsive to operation of said course-selector mechanism in accordance with a selection thereof for causing said tensioning means to apply different degrees of tension to said reel during the knitting of different portions, respectively, of said fabric.

2,004,220
LADY'S HAND BAG

Max Sachs, Far Rockaway, N. Y.

Application March 3, 1934, Serial No. 713,859
1 Claim. (Cl. 150—29)



In a lady's hand bag, a frame comprising a channel member facing outwardly, a U-shaped clamping strip having a width substantially equal to the width of the inner wall of the channel member, and solder interposed between substantially the full width of the confronting surfaces of said clamping strip and the inner wall of said channel member to rigidly attach one leg of said clamping strip to said channel member, the opposite leg of said clamping strip being free.

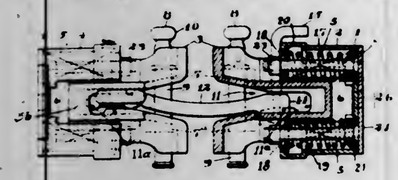
2,004,221
CAR COUPLER

Alfred C. Schmohl, Beaver Falls, and Halfdan N. D. Asper, Koppel, Pa., assignors, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa., a corporation of Pennsylvania

Application April 29, 1931, Serial No. 533,600
11 Claims. (Cl. 213—9)

1. In a car coupler in combination, a housing, a drawhead, said housing comprising a portion for mounting upon a car body and a plurality of supports for the drawhead, said drawhead compris-

ing a buffing face, a butt portion for the reception of the coupling link, and a plurality of lugs on



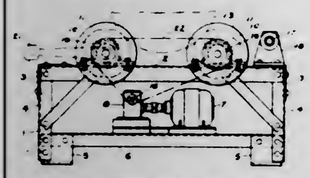
said butt portion inwardly of the buffing face and adapted to engage the supports on said housing.

2,004,222

CYLINDRICAL DRUM TUMBLER USED IN THE PROCESS OF MIXING PAINT

Alfred C. Schmohl, Beaver Falls, Pa., assignor to Koppel Industrial Car and Equipment Company, Koppel, Pa., a corporation of Pennsylvania

Application October 26, 1932, Serial No. 639,665
2 Claims. (Cl. 259—81)



1. In a mechanism of the character described, a pair of spaced driving shafts, agitating members secured in spaced relation adjacent each end of each shaft and adapted to support a cylindrical container, each of said agitating members being provided with a generally circular outer surface having radially spaced indentures to impart spaced impacts to the container and each shaft having its agitating members mounted to present a peripheral and indented surface simultaneously to opposite ends of the container and means imparting rotary movement to each shaft.

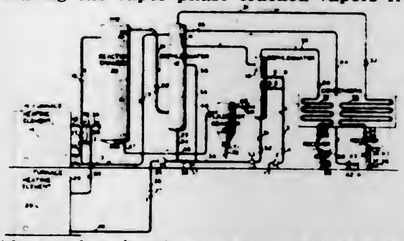
2,004,223

PROCESS FOR THE CONVERSION OR CRACKING OF HIGH BOILING HYDROCARBON OILS INTO LOW BOILING HYDROCARBON OILS

Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application July 24, 1930, Serial No. 470,342
Renewed February 8, 1934
5 Claims. (Cl. 196—49)

1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a primary heating zone and heating the same therein to cracking temperature under sufficient pressure to maintain a substantial portion thereof in the liquid phase, discharging the heated oil into a vapor separating zone and separating the same therein into vapors and unvaporized oil, separately removing the vapors and unvaporized oil and flash distilling the latter by lowering the pressure thereon, dephlegmating the flashed vapors and the vapors removed from said separating zone and combining the resultant reflux condensates, passing the thus combined reflux condensates to a secondary heating zone and cracking the same therein in the vapor phase at higher temperature than that to which the oil is heated in said primary heating zone, and introducing the vapor phase cracked vapors from



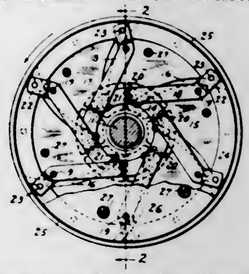
said secondary heating zone into said separating zone.

2,004,224

DRIVING MEANS FOR ELECTRIC GENERATORS

Tj. Silber, Omaha, Nebr., assignor of one-fourth to J. D. Goodrich, one-fourth to D. B. Marshall, and one-fourth to Ray Sorenson, all of Omaha, Nebr.

Application January 15, 1934, Serial No. 706,747
9 Claims. (Cl. 74—242.22)



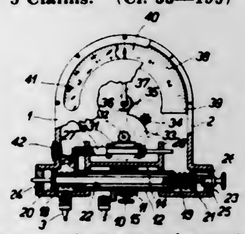
1. In a structure of the class described, a centrifugally expansible pulley comprising a hub-member, parallel disks carried thereby, a series of belt engaging members disposed movably between said disks and normally adjacent to the hub-member, a series of arms connected pivotally with said disks and with the respective belt-engaging members and constraining centrifugal expansive movements of the latter to arcuate paths about the pivotal axes of the respective arms, and master-rings connecting the series of arms and controlling the pivotal movements thereof.

2,004,225

INSTRUMENT FOR TESTING THE PITCH OF THREADS

Adolf Steinle, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany

Application August 1, 1930, Serial No. 472,450
In Germany August 10, 1929
5 Claims. (Cl. 33—199)



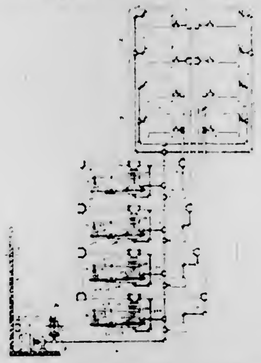
1. An instrument for testing the pitch of threads, comprising a casing, a feeler rigidly connected to the casing, a second feeler connected to and movable relatively to the casing, and a third feeler adjustably connected to the casing and being outside the line connecting the two other feelers, the said second feeler being rotatable about an axis at right angles to a plane determined by the said three feelers.

2,004,226

STEAM HEATING SYSTEM

John B. Stickle, Indianapolis, Ind.

Application July 13, 1929, Serial No. 378,128
5 Claims. (Cl. 237—9)



1. A steam heating system including a steam supply main, a radiator, a secondary pipe line for supplying steam from said main to said radiator, a regulating valve interposed between said secondary pipe line and said steam supply main, a steam trap receiving condensate from said radiator, a vacuum pump, a condensate removal pipe line connecting said steam trap and said vacuum pump, connections between said secondary pipe line, said condensate removal pipe line and said regulating valve for operating said regulating valve to maintain a substantially constant pressure difference between said pipe lines, a regulator associated with the condensate removal pipe line and controlling the operation of said pump to maintain a substantially constant condensate removal pressure when heating requirements are relatively severe, and other means operating in response to decrease in heating requirements for controlling said pump to maintain a lower condensate removal pressure.

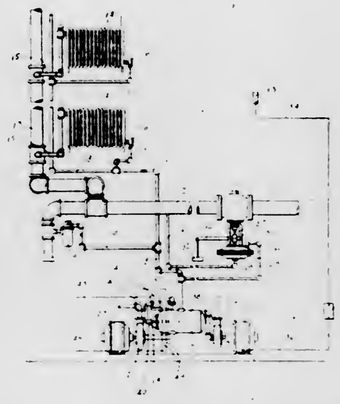
2,004,227

STEAM HEATING APPARATUS

John B. Stickle, Indianapolis, Ind.

Application January 24, 1930, Serial No. 423,007
6 Claims. (Cl. 237—9)

1. A steam heating apparatus including a heat radiator, a steam supply pipe for supplying steam to said radiator, a return line receiving condensate drained from said radiator, a vacuum producing device connected to said return line, a thermostat located in a region whose temperature is indicative of the heating requirements of the system, means controlled by said thermostat and operating said vacuum producing device to increase the vacuum in said return line in response to a temperature increase at said thermostat and to decrease said vacuum in response to a temperature decrease at said thermostat, a valve in said steam supply line, and a differential controller connected to said steam supply pipe and to said return line and operating said valve to throttle steam flow in said steam supply pipe in response to an increase of vacuum in



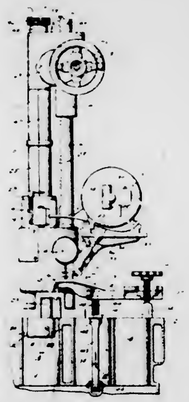
said return line and to increase said steam flow in response to a decrease of vacuum in said return pipe.

2,004,228

BORING MACHINE

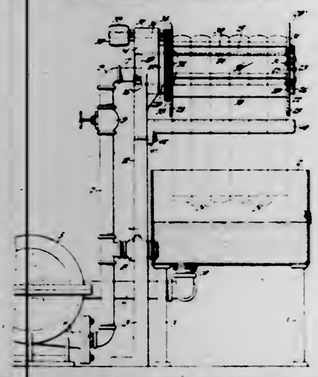
Adolph Storm and Thor Thorsen, Minneapolis, Minn., assignors to Storm Manufacturing Co. Inc., Minneapolis, Minn., a corporation of Minnesota

Application November 7, 1932, Serial No. 641,513
8 Claims. (Cl. 77—2)



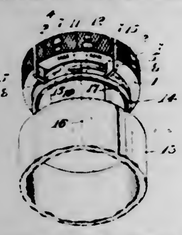
1. In a machine of the class described, a base, a bearing rotatably mounted on the base, an upright boring spindle rotatably mounted in the bearing, means for rotating the bearing, feeding means for moving the bearing downwardly, a contractible and expansible drag ring through which the bearing extends axially, said ring being frictionally clamped onto the bearing, and a member held against axial movement with respect to the bearing and having a tapered seat for the drag ring, the taper of the seat being arranged to contract the drag ring during the feeding movement of the bearing.

2,004,229
APPARATUS FOR PROCESSING TEXTILES AND LIKE MATERIALS
William A. Traver, Providence, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application April 11, 1933, Serial No. 665,546
11 Claims. (Cl. 8—19)



1. In an apparatus for treating textiles and other materials with fluids, a rotatable reel for supporting the material, said reel having a barrel provided with a series of circumferentially disposed compartments open on the periphery of the barrel, and means for admitting fluid under pressure successively into the compartments one at a time as the reel is rotated.

2,004,230
MEASURING DEVICE
Louis A. Von Till, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application September 19, 1930, Serial No. 482,946
13 Claims. (Cl. 33—199)



1. In a measuring device of the class described, the combination of an annular member adapted to engage the rim of a container, said annular member having slots therein, a plurality of members adapted to fit in said slots and to engage the threads on a container, and means for rigidly securing said members in said slots.

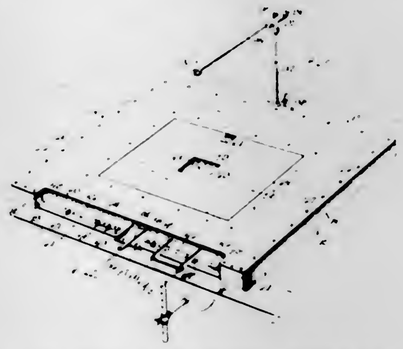
2,004,231
CLIP
George G. Wasson, Kansas City, Mo.
Application May 18, 1934, Serial No. 726,387
1 Claim. (Cl. 24—259)

A clip for fastening one article to another article comprising a U-shaped member including a pair of limbs and a bight part, one limb being formed of two parallel portions spaced apart, and a substantially U-shaped tongue having the extremity of one limb connected to that portion of the bight part of the first mentioned U-shaped member which extends between the two parallel members of said one limb of the first mentioned U-shaped member, the clip being formed of bendable material of slight resiliency with the



U-shaped member adapted to fit over one article and the U-shaped tongue being adapted to be pressed into clamping engagement with a part of another article to hold said other article between the tongue and the parallel members of said one limb of the U-shaped member.

2,004,232
X-RAY OR RADIOGRAPHIC APPARATUS
Walter A. Weed, Lakeland, Fla.
Application June 14, 1933, Serial No. 675,808
15 Claims. (Cl. 250—34)

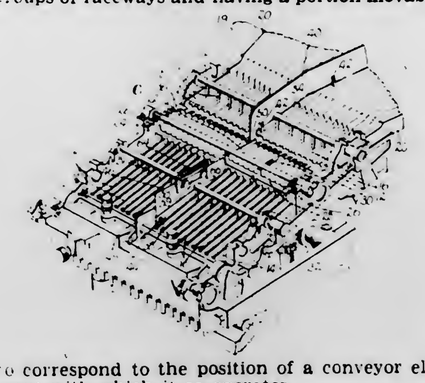


1. An X-ray or radiographic apparatus, comprising a supporting structure having a top impervious to X-rays and provided in such top with a window through which the X-rays may pass, a cassette support bodily shiftable within the supporting structure, a handle secured to the cassette support to shift the same and embodying spaced elongated bars, guide devices secured to the supporting structure for slidably receiving the elongated bars, and transverse stop bars spaced longitudinally of the elongated bars and secured thereto and arranged for engagement with the guide devices.

2,004,233
NAIL-DISTRIBUTOR
Charles H. Balcom, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 14, 1932, Serial No. 647,237
7 Claims. (Cl. 1—39)

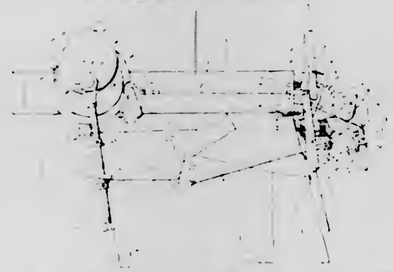
1. In a nail-distributor, a nail-conveyor provided with groups of raceways extending adjacent

to one another, and a partition dividing the groups of raceways and having a portion movable



to correspond to the position of a conveyor element with which it co-operates.

2,004,234
AUTOMATIC DISCHARGE AND WATER CONTROL FOR CONCRETE PAVERS
George E. Blood, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware
Application September 3, 1931, Serial No. 561,073
20 Claims. (Cl. 83—73)



1. An automatic discharge and water control for concrete pavers, including a skip hoist control lever, an oscillatable shaft, and means for temporarily locking said control lever to the said oscillatable shaft, a timing shaft provided with a ratchet thereon, a pawl carried by the said oscillatable shaft, a blank space on said ratchet and the pawl normally resting on said blank space, a skip hoist rod connected to said lever, an arm mounted on said timing shaft, and extending to said rod, a starter pawl on said arm, whereby an initial movement of said lever will raise the ratchet wheel one tooth to be driven by the pawl on said oscillating shaft, to thereby move the timing shaft and the ratchet through one complete revolution.

2,004,235
TOY AIRPLANE
Heinrich Burkhard, Nuremberg, Germany, assignor to Tipp & Co., Nuremberg, Germany
Application March 16, 1934, Serial No. 715,990
In Germany December 13, 1933
9 Claims. (Cl. 46—50)

1. In a toy airplane, a body having wings, a motor, bombs supporting and releasing means under the wings including rods extending longitudinally of the wings and movable into and out of position to effect release of bombs, said rods being operatively connected with the motor and



continuously moved in a releasing direction during operation of the motor.

2,004,236
SHOE AND THE MANUFACTURE THEREOF
James Cavanagh, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 21, 1932, Serial No. 648,271
34 Claims. (Cl. 12—142)

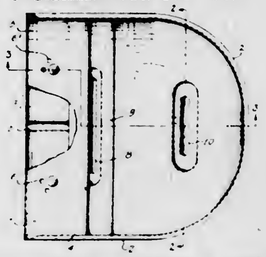


1. That improvement in methods of manufacturing shoes which comprises cutting a shoe upper fuller than normal by a width substantially equal to the width of the normal lasting allowance of the upper, and turning the excess material back upon the lasting allowance and securing it thereto before the upper is assembled in a shoe, thereby reinforcing the marginal portion of the shoe upper.

13. A shoe having the overlasted marginal portion of its upper reinforced by material integral with the upper and turned back and secured to the overlasted marginal portion of the upper, thereby reinforcing the upper.

29. A multi-ply shoe upper, one of the layers of said upper being cut fuller than the outer layers and being turned back against the marginal portion of the outer layer of the upper and secured thereto by a plurality of rows of stitching which pass through the other layers of the upper, thereby reinforcing the marginal portion of the upper.

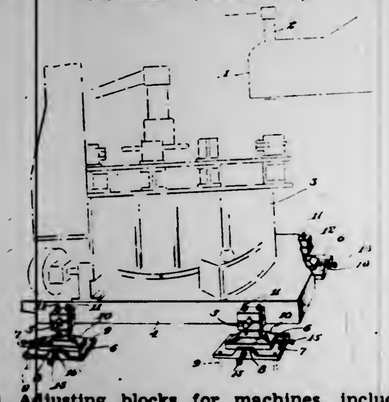
2,004,237
WINDOW SEAT
Joseph A. Costello, Cleveland, Ohio; Thomas A. Costello, executor of said Joseph A. Costello, deceased, assignor to Thomas A. Costello
Application January 2, 1934, Serial No. 705,002
9 Claims. (Cl. 304—24)



1. A window seat comprising a main flanged seat portion adapted to extend across the window

sill and to support the body of the user, and an inner portion adapted to engage about the inner edge of the window sill said inner portion comprising a flanged lower part adapted to be positioned below the sill strip and a plain intermediate part, said portions being integral with each other, and adjustable means associated with said inner portion and extending between said main portion and lower part for varying the effective dimensions of said inner portion so as to adapt the seat for use upon window sills of different dimensions.

2,004,238
LEVELING AND ADJUSTING BLOCK
Lon Fithian, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application January 25, 1934, Serial No. 708,303
3 Claims. (Cl. 248—23)



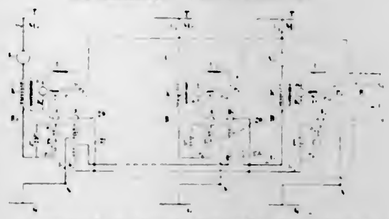
1. Adjusting blocks for machines, including base plates mounted on the floor below the machine, sub-base plates slidably mounted on the base plates, threaded rods carried by and projecting upwardly from the sub-base plates, clamping members loosely mounted on the threaded rods, nuts threaded on the rods, said nuts adapted to clamp the members about an axle or the like on the machine and to vertically adjust the members, and means for laterally adjusting the sub-base plates.

2,004,239
MEANS FOR HOLDING SHOE UPPERS IN LASTED POSITION
George Geddu, deceased, late of Winchester, Mass., by Isabelle W. Geddu, executrix, Winchester, Mass., assignor to The Littleway Process Company, Boston, Mass., a company of Massachusetts
Application May 17, 1932, Serial No. 611,900
37 Claims. (Cl. 12—107)



1. A device for holding an upper in lasted relation to a sole on a last, said device comprising an upper-holding portion formed to engage the upper over the margin of the sole, and another portion arranged to fulcrum on the sole to serve as a lever for pressing said upper-holding portion upon the upper toward the bottom of the last, said other portion being constructed for attachment to the shoe by fastening means penetrating the sole.

2,004,240
ELECTRIC TRACTION
Louis René Eugène Gratzmüller, Paris, France
Application September 18, 1931, Serial No. 563,622
In France September 27, 1930
24 Claims. (Cl. 172—179)



1. A method of simultaneously operating a plurality of compound dynamos in parallel with each other and a base compound dynamo, comprising applying to a field circuit of each of said compound dynamos a potential generated by a differential field through which the currents flowing through the respective dynamo armatures pass.

2,004,241
EDUCATIONAL MAP
Eugene B. Hamilton, Boston, Mass.
Application February 16, 1934, Serial No. 711,586
3 Claims. (Cl. 35—42)

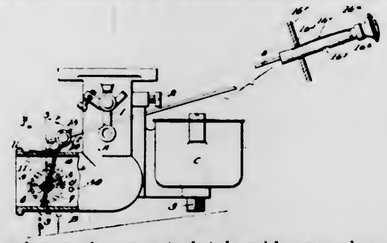


1. A device of the class described comprising a base having a map outlined thereon, protuberances rising from the map at spaced points, a sheet adapted to be mounted on the map and having openings there'n accommodating the protuberances, and a plurality of complemental, removable sections adapted to be positioned on the sheet, said sections having openings therein for the reception of the protuberances.

2,004,242
CARBURETOR
Frank H. Heitger, Flint, Mich.; Mattie G. Heitger, Flint, Mich., administratrix of said Frank H. Heitger, deceased, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 3, 1928, Serial No. 258,741
8 Claims. (Cl. 261—39)

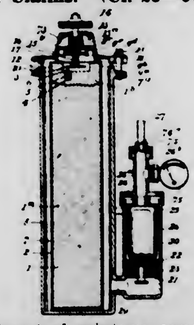
1. In a carburetor, an air intake, a valve arranged in the intake and so mounted as to open by suction, means comprising a thermostatic spring element adapted to oppose the opening of

the valve by suction, manual means cooperating with said thermostatic spring element to operate



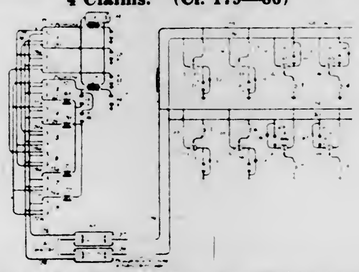
the valve, and means to latch said manual means in adjusted position.

2,004,243
METHOD OF AND MEANS FOR OPERATING BREATHING APPARATUS
Albert Hloch, Lichterfelde, near Berlin, Germany, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application January 11, 1929, Serial No. 331,815
In Germany January 17, 1928
11 Claims. (Cl. 23—6)



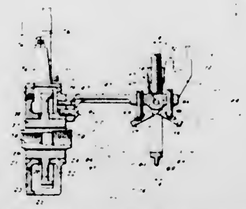
3. A solid chemical mixture capable of giving off oxygen especially for breathing or inhaling purposes in an exothermic reaction which after initiation by application of heat progresses under the influence of the reaction heat, said mixture being combined with an alkaline hydroxide as heat absorbing substance.

2,004,244
SELECTIVE SIGNALING SYSTEM
William Henry Towne Holden, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 14, 1934, Serial No. 757,517
4 Claims. (Cl. 179—86)



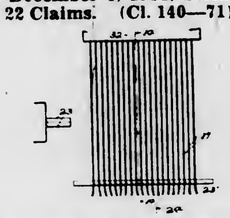
1. In a signaling system, the combination of a plurality of subscribers' stations, a ringer at each subscriber's station, a three-electrode gas-filled tube at each subscriber's station, each gas-filled tube having two electrodes which form a control gap and an anode which together with one of the electrodes forms a main gap in series with which the corresponding ringer is connected, a loop across which all of the subscribers' stations are connected, and means responsive to current received over said loop for simultaneously discharging the control gap and the main gap of the gas-filled tube at a selected subscriber's station to the exclusion of all other subscribers' stations so as to operate the ringer at said selected subscriber's station.

2,004,245
FREEZER POWER ATTACHMENT
Ivar Jeppsson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1933, Serial No. 689,203
16 Claims. (Cl. 74—16)



1. A power attachment for ice cream freezers having, in combination, a reduction gear provided with an axial opening for the reception of the driving shaft of said freezer, a spindle for driving said gear, means for carrying the gear and spindle on a stationary part of the freezer, and means for positioning said last mentioned means to align the axial opening with the driving shaft.

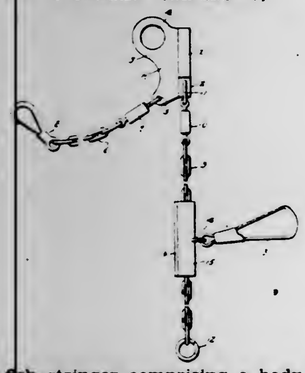
2,004,246
METHOD OF PRODUCING RADIO TUBE GRIDS
Henry Kershaw, Newark, N. J., assignor to Soverign Machinery Company, Newark, N. J., a corporation of New Jersey
Application December 6, 1934, Serial No. 756,354
22 Claims. (Cl. 140—71)



1. In a method of producing radio tube grids, the steps of supporting spaced sets of spaced grid wires in such a manner that the corresponding wires in the sets are in substantial alignment, moving the sets of wires longitudinally as a unit, holding the side rods against movement in a

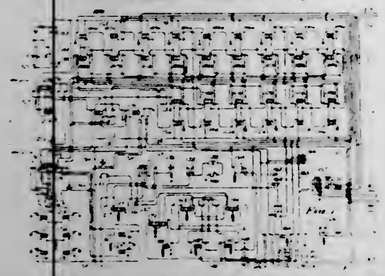
position between the sets of grid wires, and attaching the sets of grid wires to the opposite sides of the side rods.

2,004,247
FISH STRINGER
Benjamin V. McCaul, Fargo, N. Dak.
Application August 6, 1934, Serial No. 738,748
2 Claims. (Cl. 224—7)



1. A fish stringer comprising a body member having a handle part at one end adjacent one side, a chain connected to the other end adjacent the same side, the edge of the other side being enlarged, a second chain connected to the lower end of the body, a tubular member of split construction adapted to be slid over the enlargement and the second chain, means for attaching a fish to the tubular member, a detachable stop member at the lower end of the second chain, and means for connecting the first chain to a boat or the like.

2,004,248
TIME ANNOUNCING SYSTEM
Charles Gideon Miller, Montclair, and Allen Rudolf Honsrden, Fanwood, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 22, 1933, Serial No. 703,654
14 Claims. (Cl. 179—6)



1. A system of relays including a plurality of relays adapted to be set in correspondence to elements of time, a source of isochronous pulses, connections from said source to said relays to progressively operate the relays, whereby the setting of the relays will periodically correspond to the time of day, a second system of relays similar in character to said first system of relays, and means for electrically comparing the settings of the first system with those of the second system.

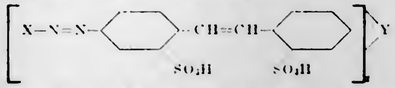
2,004,249
HAIR CURLING DEVICE
Rocco Perzella, Washington, D. C.
Application January 16, 1934, Serial No. 706,867
13 Claims. (Cl. 132—33)



1. A hair curling mandrel comprising a tubular sheath having a slot therein, a cam positioned wholly within the sheath adjacent the slot and rotatable with relation thereto and cooperating with the edge of the slot in the sheath to form hair clamping means.

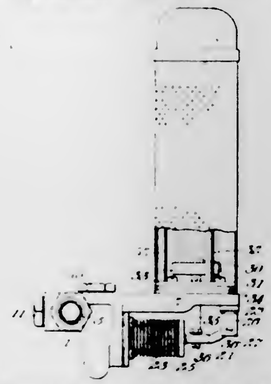
2,004,250
AZO-DYESTUFFS, AND PROCESS OF MAKING SAME
Hans Schindheim and Richard Gast, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 21, 1933, Serial No. 657,923. In Germany February 29, 1932
10 Claims. (Cl. 260—69)

1. The azo-dyestuffs of the general formula



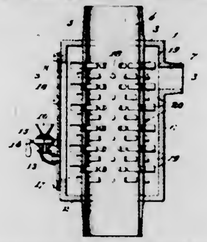
wherein X stands for the radical of a coupling component free from azo groups in which an hydroxy group may be alkylated and Y stands for a bivalent group containing two nitrogen atoms, said dyestuffs being distinguished by an excellent affinity for vegetable fiber.

2,004,251
HUMIDITY CONTROLLED VALVE
Jerry H. Simpson, Winston-Salem, N. C., assignor to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina
Application August 30, 1932, Serial No. 631,089
10 Claims. (Cl. 236—44)



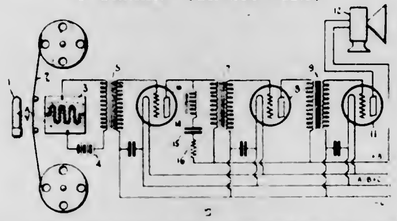
1. In a humidity control valve, a valve casing having a flexible wall portion, a valve therein, a bracket extending laterally of said valve casing, a hygrostatic control element mounted on said bracket, and a lever connected to said control element and pivotally supported from said bracket, said lever extending through said flexible wall portion to actuate said valve.

2,004,252
FUEL CONDITIONING DEVICE
Einar N. Sorensen, Fernandina, Fla.
Application March 8, 1935, Serial No. 10,065
6 Claims. (Cl. 257—232)



1. A conditioning device for distillates comprising a housing equipped with means for connecting the same to the intake manifold of an engine and to a carburetor, an exhaust gas duct extending therethrough, means on said duct for increasing the radiation thereof, and said housing being provided with removable sides, as and for the purpose specified.

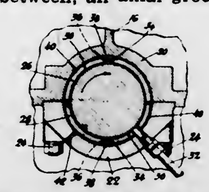
2,004,253
SIGNAL TRANSLATING AND CORRECTING SYSTEM
Homer G. Tasker, Douglaston, Long Island, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application April 20, 1932, Serial No. 606,337
9 Claims. (Cl. 250—41.5)



1. In combination, a light responsive cell, means for attenuating the low frequency response thereof to a value appropriate to the higher frequency response thereof, and auxiliary means for attenuating the middle frequency response to correspond to the high and low frequency response, said auxiliary means comprising a condenser, a reactance and a resistance connected in series.

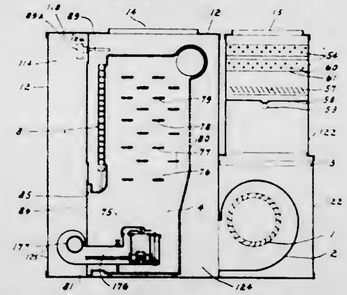
2,004,254
CRANKSHAFT BEARING
Alex Taub, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 12, 1933, Serial No. 684,777
2 Claims. (Cl. 308—122)

2. A journal bearing comprising a bearing back and a bearing liner, said liner being provided on the inner face thereof with a circumferential oil groove and with an axial oil distributing groove communicating therewith, means for supplying oil to the circumferential groove, said liner and back being formed to provide a circumferential oil groove therebetween, an axial groove communi-



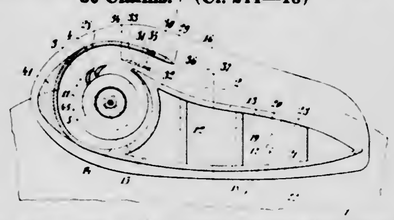
cating therewith, passages connecting the said axial grooves, and an oil discharge port leading from said last-named circumferential oil groove.

2,004,255
AIR CONDITIONING UNIT
Reuben N. Trane, La Crosse, Wis.
Application May 15, 1933, Serial No. 671,034
8 Claims. (Cl. 257—9)



1. In an air conditioning unit, the combination of a casing having an air inlet and outlet, a blower producing a flow of air through said casing, a heat exchanger within said casing in the path of said air, a source of heat within said exchanger, a humidifier mounted on said exchanger, an air filter and a cooling coil comprising tubes with fins mounted thereon within said casing in the path of said air, a source of cold connected to said coil and means below said fins to catch the water of condensation on said fins, and means to control the supply of heat to said exchanger and of cold to said cooling coil.

2,004,256
AEROFOIL
Serge Trey and William Howard, College Point, and Alexander Chessin, Brooklyn, N. Y.
Application November 24, 1930, Serial No. 497,708
30 Claims. (Cl. 244—18)

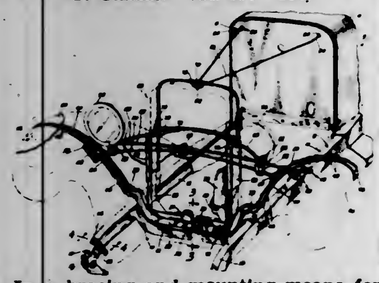


27. An aerofoil comprising means for creating a stream of air at the leading edge thereof, said air being admitted at the outer ends of said leading edge, and a hood over said leading edge for directing said stream over the top surface of said aerofoil.

2,004,257
PURIFICATION OF WATER BY ZEOLITES
Frederick Tschirner, Medford, N. J., assignor to Zeolite Chemical Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 7, 1931, Serial No. 528,463
11 Claims. (Cl. 210—24)

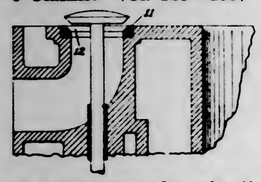
1. The method of treating a zeolite to improve it for conjointly removing hardness and colloids from water which comprises, indurating it by subjecting it to the action of a colloid to resist the action of acids and acid salts, treating it with a coagulant to cause the coagulant to be adsorbed thereon to render the bed of zeolite capable of removing colloids from the water, subsequently regenerating the zeolite to restore its softening and colloid-removing capacities as they become diminished or exhausted and treating it with potassium persulphate to remove excess deposits of colloids.

2,004,258
RADIATOR AND FRONT FENDER SUPPORT
Ronald J. Waterbury, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 7, 1931, Serial No. 579,395
17 Claims. (Cl. 280—152)



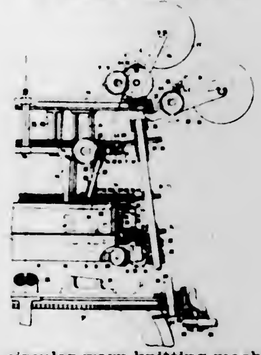
1. In a bracing and mounting means for the headlamps, radiator and front fenders of a vehicle having a chassis frame, a cross member between the side bars of the frame, a brace secured at its middle to said cross member, brace arms secured to the ends of said brace and extending under the fenders and secured thereto, a cross rod extending from fender to fender and secured to the fender brace arms, a clamp secured to the brace rod, means extending from the clamp to the radiator shell to brace the radiator, and a headlamp secured to the clamp.

2,004,259
VALVE SEAT
Joseph A. Weiger, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana
Application October 22, 1931, Serial No. 570,339
6 Claims. (Cl. 123—188)



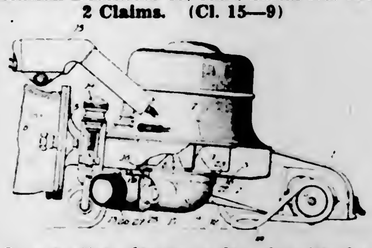
1. A valve seat for internal combustion engines, formed of a cemented metallic body comprising approximately four-fifths of a refractory metallic element chosen from the group and subgroup of Mendelejeff's periodic table of elements which includes tungsten, a metal of a lower melting point incorporated therewith, and a hardening agent present in an amount less than the combining weight thereof with the quantity of tungsten present.

2,004,260
KNITTING MACHINE
Sidney Arthur Welch, Albert Fairholme Guyler, John Thomas Ashby, and William Henry Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application February 9, 1934, Serial No. 710,434
In Great Britain February 20, 1933
5 Claims. (Cl. 66—8)



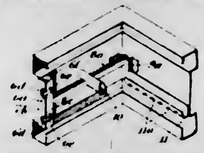
1. In a circular warp knitting machine, a circle of needles, a circle of sinkers adapted to move radially between said needles, guides for controlling warp threads knitted by said needles, and means for imparting to each of said guides a motion across the circle of needles, such motion being inclined to the radial motion of a sinker so as to lead a thread from a needle across the path of such sinker.

2,004,261
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 11, 1933, Serial No. 701,816
2 Claims. (Cl. 15—9)



1. In a suction cleaner, a fan chamber having an eye, a dusting tool converter having a body formed with an opening and a conduit, said body being removably seated on said fan chamber with said opening alined with said eye, cooperating means on said chamber and body to aline said converter with said conduit extended in a particular direction, a resilient lug on said body at said opening overhanging the interior face of said fan chamber adjacent said eye and functioning to draw said body to said chamber, and cooperating latch means on said chamber and body spaced from said overhanging lug to retain said parts in operative relationship.

2,004,262
CURTAIN SUPPORTING ARRANGEMENT
Erwin R. Widman, Little Neck, N. Y.
Application November 13, 1933, Serial No. 697,748
10 Claims. (Cl. 156—13)



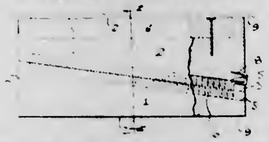
1. The combination with a cornice comprising a front section having end sections extending at right angles with respect thereto, of vertically disposed brackets terminally secured to the respective end sections, each of said brackets having faces meeting to form an angle, said faces being provided, respectively, with slots which merge into each other to form a passage for a shank-like supporting member.

2,004,263
COMPENSATOR
Clayton E. Wyrick, Wyandotte, Mich., assignor to Wyrick Engineering Company, Detroit, Mich., a corporation of Michigan
Application April 18, 1934, Serial No. 721,238
12 Claims. (Cl. 85—50)



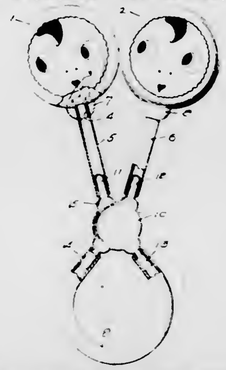
1. A clearance regulator comprising two parts relatively movable with respect to a third part to take up clearance, means urging said two parts and said third part in a clearance take-up movement, and means including a ribbed surface formed on one of said members and a rib engaging pin carried by another of said members for automatically maintaining maximum and minimum limits of clearance established by said regulator.

2,004,264
CLEARANCE REGULATOR
Clayton E. Wyrick, Wyandotte, Mich., assignor to Wyrick Engineering Company, Detroit, Mich., a corporation of Michigan
Original application November 18, 1929, Serial No. 408,001. Patent No. 1,966,780, dated July 17, 1934. Divided and this application April 18, 1934, Serial No. 721,239
8 Claims. (Cl. 254—104)



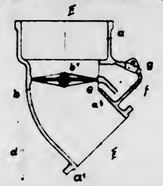
5. A compensator for wear and lost motion comprising a pair of blocks having adjacent inclined planar surfaces, and a resilient element co-acting with said members urging them directly apart and also urging them relatively along said faces in a direction to increase their joint thickness.

2,004,265
FLEXIBLE HANDLE FOR RATTLES
Arthur Zadek and Irwin E. Cohn, New York, N. Y.
Application December 1, 1934, Serial No. 755,545
2 Claims. (Cl. 46—46)



1. A rattle comprising a plurality of heads, a pin projecting from each head, a flexible tube held on each pin, a hollow ball-shaped union having nipples projecting from its upper half for the free ends of the tubes, another flexible tube, and two nipples projecting from the lower half of the union for the ends of the last mentioned flexible tubing.

2,004,266
LIQUID SEAL FOR COLLECTING MAINS OF DISTILLATION OVENS OR THE LIKE
Wilhelm Beimann, Bochum, Germany
Application October 11, 1933, Serial No. 693,109
In Germany July 2, 1932
6 Claims. (Cl. 137—69)

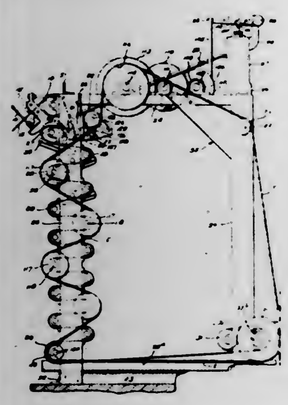


1. In apparatus of the character described, the combination with a pipe adapted to connect an ascension pipe to a gas collecting main and formed with a valve controlled passage for the downflow of gas and adapted to have liquid sprayed into its portion above said passage, and with a liquid sealed bypass about said passage connecting portions of said pipe respectively above and below the valve in the closed position of the latter and forming a liquid holding trap preventing gas flow therethrough, of a throttle valve in said pipe adapted when in its closed position to provide a leaky closure for said passage, whereby when more liquid is sprayed onto the said valve when in its closed position than can leak through said passage, the excess liquid may overflow through said bypass.

2,004,267
METHOD AND APPARATUS FOR IMPREGNATING BRAKE LININGS
Carl P. Brockway, Ridgewood, N. J., assignor to World Bestos Corporation, Paterson, N. J., a corporation of Delaware
Application December 29, 1930, Serial No. 505,253
8 Claims. (Cl. 91—32)

1. In apparatus of the class described, the combination of a trough, means for maintaining

liquid at a predetermined level in said trough, and means for guiding a continuous strip through said trough including a treatment roller mounted for free rotation with its lower part beneath said predetermined level and having in-



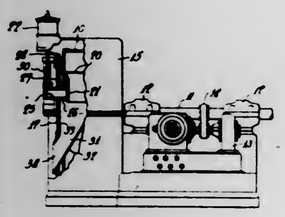
tersecting passages at its surface to provide communication between the body of liquid in the trough and the inner surface of the strip as it passes around the bottom of the roller, plural, approximately flat top, friction surfaces lying between said intersections.

2,004,268

CENTRIFUGAL MACHINE

Walter Buddeberg, Zurich, Switzerland, assignor to Albert T. Otto & Sons, New York, N. Y., a corporation of New York

Application December 1, 1933, Serial No. 700,383
In Germany August 1, 1932
4 Claims. (Cl. 233—46)



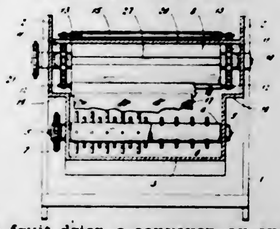
3. A centrifugal machine for separating solids from liquids, including a horizontal shaft, a separating drum mounted in overhanging relationship at one end of said shaft and open at the end thereof furthest from said shaft, a housing for said separating drum, and having an opening adjacent to the open end of said drum, a hinged door for said opening, a chute extending into the interior of said drum, a scraper connected to the upper end of said chute, guides connected to said door and along which said chute may move vertically, a fluid actuated motor, and connections between said motor and said chute for reciprocating said chute.

2,004,269

FRUIT DRIER

Fred S. Colvin, Yakima, and John V. Rogers, Wenatchee, Wash., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Original application September 3, 1929, Serial No. 390,030. Divided and this application February 3, 1932, Serial No. 590,582
3 Claims. (Cl. 34—1)



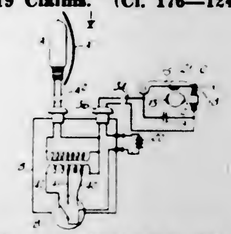
1. In a fruit drier, a conveyor, an endless carrier means arranged above and longitudinally of the conveyor, a rod secured transversely of said carrier means, a dependent wiping member secured to said rod and adapted to contact with pieces of fruit on the conveyor, and a pair of wringer rollers between which the wiping member passes, one of said wringer rollers being provided with a corrugation for the reception of said rod.

2,004,270

STROBOSCOPIC APPARATUS AND METHOD

Peter Davey, Mount Vernon, N. Y., assignor to Vibroscope, Inc., New York, N. Y., a corporation of New York

Original application January 26, 1926, Serial No. 83,984. Divided and this application July 29, 1931, Serial No. 553,775
19 Claims. (Cl. 176—124)



1. In stroboscopic apparatus, the combination of a flash-illuminator, an induction apparatus for supplying lighting currents thereto, contacts to open and close the primary circuit of said induction apparatus to produce lighting currents, and means to change the time constant of said primary circuit.

2,004,271

PRODUCTION OF ARTIFICIAL FILAMENTS, THREADS, RIBBONS, FILMS, AND THE LIKE

Henry Dreyfus, London, England

No Drawing. Application October 28, 1930, Serial No. 491,816. In Great Britain November 5, 1929
10 Claims. (Cl. 18—54)

1. Process for the manufacture of filaments, threads, ribbons, films or other products from viscose, comprising spinning viscose into an aqueous coagulating bath containing a thiocyanate.

2,004,272

PRODUCTION OF ARTIFICIAL PRODUCTS

Henry Dreyfus, London, England

Application July 22, 1931, Serial No. 552,545
In Great Britain July 30, 1930
10 Claims. (Cl. 18—54)



1. Process for the manufacture of filaments, yarns, threads, ribbons, films and like extruded products from aqueous cellulosic solutions, comprising extruding the said solutions into liquids which are water-repellent, continuously removing the products from said liquid whilst they are still liquid and thereafter setting the said products.

2,004,273

PRODUCTION OF CELLULOSE DERIVATIVE PRODUCTS

Henry Dreyfus, London, England

No Drawing. Application July 22, 1931, Serial No. 552,546. In Great Britain July 30, 1930
8 Claims. (Cl. 18—54)

1. Process for the manufacture of filaments, yarns, threads, ribbons, films and like products from solutions of organic derivatives of cellulose, comprising extruding said solutions into a liquid which is a non-solvent for the organic derivative of cellulose and is substantially a non-solvent for the solvent in the organic derivative of cellulose solution, and then leading the products from said liquid whilst they are still substantially liquid, into a setting medium.

2,004,274

MANUFACTURE OR TREATMENT OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

Application May 4, 1932, Serial No. 609,253
In Great Britain June 4, 1931
2 Claims. (Cl. 18—54)



1. Process of packaging set cellulose acetate yarn in a condition liable to produce contraction of the yarn after the same is wound on the package which comprises applying a liquid material to the yarn to assist said contraction and winding the yarn on a package support rotated at a peripheral speed slightly lower than the delivery of the yarn to the package, so that the yarn is wound on the package in such a manner that the yarn when contracted on the package is no longer slack and any tendency to strain the yarn is reduced.

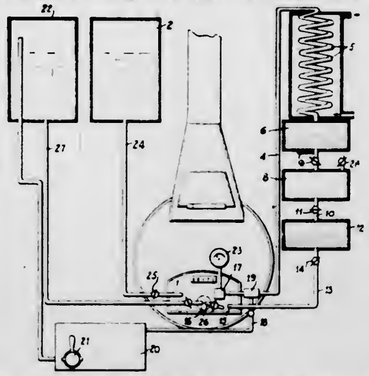
2,004,275

APPARATUS FOR BURNING HEAVY FUEL OILS

Enrique Juan Faccini and José Capra, Buenos Aires, Argentina

Application July 21, 1933, Serial No. 681,436
5 Claims. (Cl. 158—53)

1. Oil burning apparatus comprising a burner, a distillation coil disposed to be subjected to the heat of the burner, an oil supply line connected to one end of said coil, a condensing coil connected at one end to the other end of said distillation coil, said condensing coil being located above said distillation coil, means in the connection between said distillation coil and said condensing coil for the collection of unvaporized oil, a storage vessel connected to the other end of said condensing coil and located below the



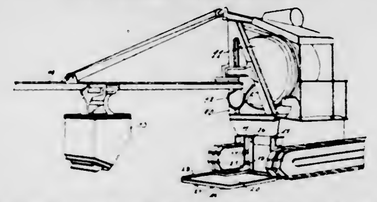
latter coil and above the burner, a vaporizing coil connected at one end with said storage vessel and disposed to be subjected to the heat of the burner, and a connection between the other end of said vaporizing coil and the burner.

2,004,276

PAN FOR CEMENT MIXERS

Cesare Fanfarillo, Glassboro, N. J.

Application August 11, 1932, Serial No. 628,337
5 Claims. (Cl. 83—73)



1. In combination with a cement mixing machine including a delivery spout leading from a mixing drum and a conveyor bucket to be filled from said spout when the former is disposed beneath the latter, hangers attached to the machine and including inturned flanges through which suitable fastening means pass for securing the hangers in place and further provided with outwardly projecting flanges with rows of vertically spaced holes adjacent their lower ends, a pan having a wide body portion and a restricted neck for projection between the outwardly projecting flanges of the hangers, means passing through suitable portions of the rear end of the pan and through any of the holes in the outwardly projecting flanges for hingedly connecting the pan in any vertical adjustment to the hangers and set screws having threaded connection with the inturned flanges of the hangers and engaging the rear portion of the pan below the hinge points for tilting the pan into any desired position.

2,004,277

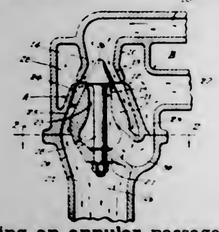
EJECTOR

James O. Fink, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application September 12, 1932, Serial No. 632,647
2 Claims. (Cl. 103—262)
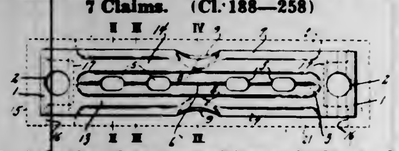
1. In an ejector, a nozzle having cooperating primary and secondary portions, said nozzle

having an inlet for a secondary fluid intermediate said nozzle portions, a casing about said secondary fluid inlet forming a chamber for a secondary fluid open to said inlet, a conduit spaced within said secondary nozzle portion, said conduit communicating with said chamber and discharging secondary fluid to said nozzle adjacent said inlet, said secondary nozzle



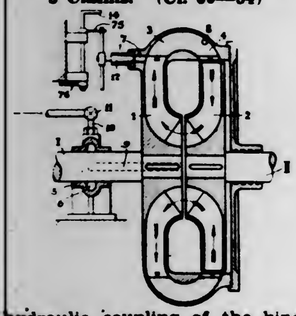
portion having an annular passage around said conduit extending generally axially of said primary nozzle portion; a nozzle projection within the discharge end of said primary nozzle portion, said projection providing an annular passage within said primary nozzle portion, and a stem carrying said projection and extending within said conduit.

2,004,278
BRAKE SHOE
Edward C. Folsom, Toledo, Ohio, assignor, by mesne assignments, to The American Brake Shoe and Foundry Company
Application March 17, 1934, Serial No. 716,086
7 Claims. (Cl. 188—258)



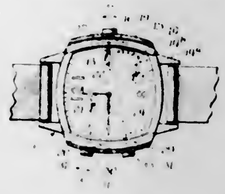
1. A brake shoe comprising a body, a sheet metal back, and a mounting lug, said back having a longitudinally extending depression for the major extent thereof, said depression extending past said lug and away from said lug in opposite directions, said depression having anchor openings through which the body protrudes to overlap the edges of said opening.

2,004,279
FLUID DRIVEN AND DRIVING APPARATUS
Hermann Föttinger, Berlin-Wilmersdorf, Germany
Application January 26, 1933, Serial No. 653,742
In Germany January 26, 1932
3 Claims. (Cl. 60—54)



1. A hydraulic coupling of the kinetic type, including a pair of annular coaxial relatively rotatable members, one serving as a liquid driving member and the other as a liquid driven member, said members having passages for the circulation of a liquid therethrough in a closed working circuit, one of said members having the radially outermost portion of its passage substantially U-shaped, means for controlling at will the admission of liquid to said circuit, independent means for controlling at will the escape of liquid from said circuit, whereby transmission of power through the kinetic energy of the liquid may be varied in accordance with the amount of liquid in said circuit, and means to prevent air circulating through said U-shaped passage upon the discharge of operating fluid from said coupling.

2,004,280
WATERPROOF WATCH
William C. Handley, Chicago, Ill.
Application May 29, 1933, Serial No. 673,439
8 Claims. (Cl. 58—90)



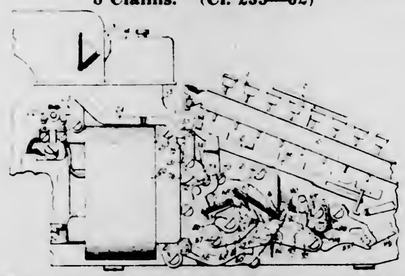
2. In a watch having a casing with the parts thereof fitted together to form water-proof joints, a stem projecting from within the casing and reciprocable axially to wind the watch and a collapsible member connected to said stem and to the casing around the stem to form a water-proof seal preventing moisture from entering the casing around the stem.

2,004,281
INJECTOR
Erich Henkel, Calumet City, Ill., Arthur Williams, Hammond, Ind., and Rudolf M. Ostermann, Kenilworth, Ill., assignors to The Superheater Company, New York, N. Y.
Application August 20, 1932, Serial No. 629,622
14 Claims. (Cl. 103—271)



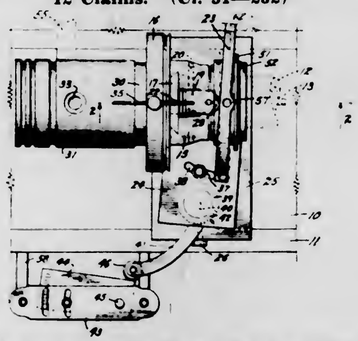
1. In an injector, means providing a main steam nozzle, means providing a water nozzle of variable area arranged to deliver water for condensing steam from said main nozzle to establish a jet and means providing a secondary steam nozzle for supplying additional steam to be condensed by the jet of water and condensate established by the main nozzle and the water nozzle, said last mentioned means comprising a movable nozzle member for varying the area of said secondary nozzle in accordance with variations in the area of said water nozzle.

2,004,282
DRIVING MECHANISM FOR CALCULATING MACHINES
Allen A. Horton, Plymouth, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application March 19, 1930, Serial No. 436,931
8 Claims. (Cl. 235—62)



8. In combination, a calculating machine subject to varying loads, an electric motor for driving the same, driving connections disposed between said motor and said calculating machine and including driving and driven elements and a yieldable driving member therebetween for transmitting the drive, and automatic means actuated upon yielding movements of said yielding member in response to variations in resistance to operation of said machine by said motor, for controlling said motor automatically to maintain a substantially constant effective driving effort on said calculating machine.

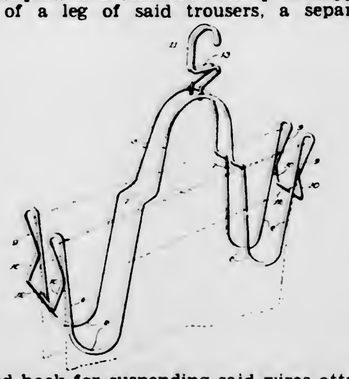
2,004,283
FIXTURE FOR TURNING OR GRINDING OVALS
Arthur J. Hurt, Denver, Colo.
Application February 27, 1934, Serial No. 713,074
12 Claims. (Cl. 51—232)



1. A combination with a rotary spindle of a grinding machine, of a fixture attached to said spindle; a head on said fixture for holding work to be ground; and means for moving said head laterally of said fixture during each revolution of said spindle; and means for causing said means for moving to have a relatively greater effect during a portion of the revolution of said spindle.

2,004,284
GARMENT HANGER
Carl Willard Kellerth, Rockford, Ill.
Application April 6, 1932, Serial No. 603,557
6 Claims. (Cl. 223—67)

1. A hanger for trousers comprising a pair of similar W-shaped wires arranged side-by-side in spaced positions, downwardly opening spring clips formed from opposite ends of each wire and adapted to receive and clamp the opposite sides of a leg of said trousers, a separately



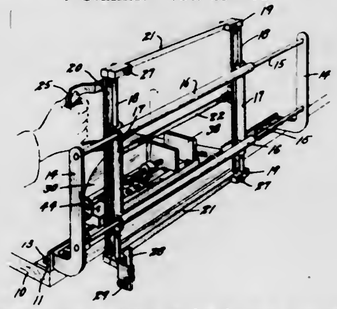
formed hook for suspending said wires attached to the wires intermediate their ends and forming a rigid connection between the two maintaining them in spaced relation.

2,004,285
PAINT CAN ACCESSORY
James W. Kent, Brooklyn, and Elmer P. Peters, Richmond Hill, N. Y.
Application July 15, 1933, Serial No. 680,566
2 Claims. (Cl. 220—90)



1. An article as described comprising a bar adapted to be placed diametrically on top of an open can above the capacity contents of the can, said can having a bail secured in bail bearings, and means at the ends of asid bar adapted to engage the said bail bearings for securing the bar to the can.

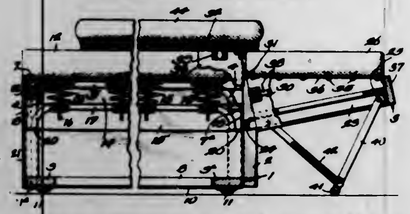
2,004,286
HACK SAW FRAME AND GUIDE
William H. Ketner, Broomfield, Colo.
Application April 3, 1934, Serial No. 718,808
7 Claims. (Cl. 29—75)



1. Means for guiding a hack saw comprising: a pair of horizontal guide rods; means for supporting said rods in a vertical plane; horizontal tubular members slidably mounted on said rods; vertical tubular members secured to said horizontal tubular members; vertical guide rods slid-

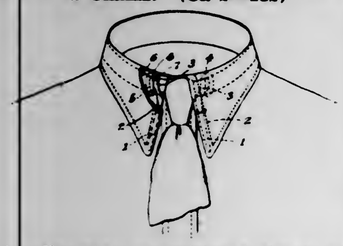
ably mounted in said tubular members; a saw frame for supporting said hack saw; and means for securing said saw frame to said vertical guide rods.

2,004,287
FURNITURE
Jules P. Kiesecker, New York, N. Y.
Application July 7, 1934, Serial No. 734,100
10 Claims. (Cl. 5—37)



1. A studio couch including a boxlike seat having a metallic frame and a cushion mattress resting upon springs supported upon said frame and an expansible back hinged to said frame having a cushion mattress secured along the upper edge of one of the expansible members in combination with means for supporting the upper surfaces of the said cushion mattresses in the same horizontal plane upon movement of the back in one direction and means upon movement of the back in the opposite direction to carry the end of the back mattress over the adjacent end of the seat mattress to overlap the top thereof and support the back mattress at an angle thereto with the back in a vertical position, wherein one member of the expansible back is hinged to the rear of the seat, below the top of the front, and wherein the other member of the expansible back is provided with angular sides supporting the back mattress.

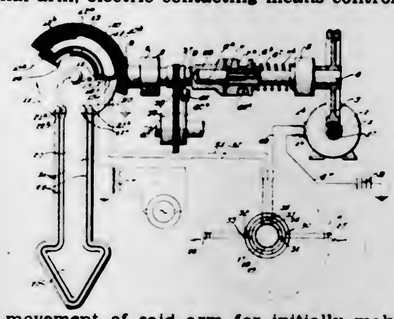
2,004,288
COLLAR-STAY
Harold T. Krick, Hazleton, Pa.
Application September 2, 1933, Serial No. 687,926
2 Claims. (Cl. 2—132)



1. A collar-stay comprising a shank adapted to be attached to a collar point, said stay having an offset hooked portion adapted to engage the upper edge only of the tie band, and to lie between said tie band and the collar band, said offset being sufficient to accommodate the knot of the necktie, said hooked portion having a curved upper edge, all parts of the said collar-stay when not engaged to said necktie band normally lying substantially in the same plane.

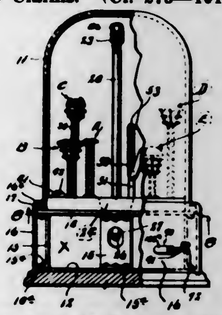
2,004,289
VEHICLE DIRECTION SIGNAL
Arcadio A. Martinez, San Diego, Calif.
Application February 4, 1930, Serial No. 425,746
2 Claims. (Cl. 177—327)

2. In a signal arm operating mechanism, a motor, electric connections therefor, a shaft, worm and gear means connecting said motor to said shaft, second shaft, clutch means connecting said shafts, a pivotally mounted signal arm means connecting said second shaft to said signal arm, electric contacting means controlled



by movement of said arm for initially making and subsequently breaking the electrical connections of said motor on predetermined movement of said signal, said worm and gear means forming a frictional retaining means for holding said arm in adjusted position.

2,004,290
AMUSEMENT DEVICE
Paul J. McCullough and Alexander H. Sullivan, St. Louis County, Mo.
Application December 16, 1932, Serial No. 647,518
10 Claims. (Cl. 273—101)

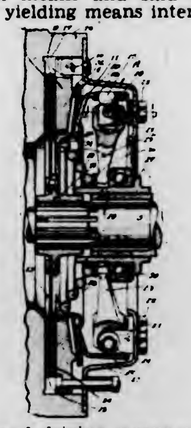


1. An amusement device comprising an anvil having an impact face, said anvil being mounted for adjustment so as to vary the inclination of said impact face, a plurality of steel balls, a plurality of ball receivers spaced suitably from said anvil, and means for discharging said steel balls against said anvil from a point spaced therefrom whereby said balls are caused to rebound, the adjustment of said anvil being such as to cause said balls to rebound into any one of said ball receivers.

2,004,291
CLUTCH
Andre J. Meyer, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application December 8, 1930, Serial No. 500,717
30 Claims. (Cl. 192—52)

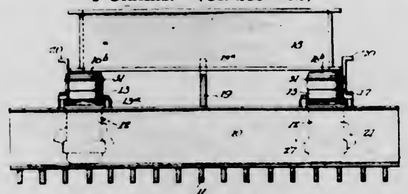
1. In a clutch, the combination of driving and driven members, driving and driven means respectively connected in driving engagement with said driving and driven members, thrust means, lever means operatively connected with the

thrust means, primary yielding means acting between thrust means and said lever means, and secondary yielding means intermediate said



thrust means and driving means constructed to transmit the full load of said primary yielding means for effecting normal clutching engagement between said driving and driven means.

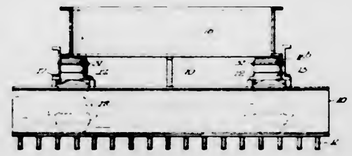
2,004,292
SHAKE-OUT APPARATUS FOR FOUNDRY FLASKS
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1933, Serial No. 657,511
6 Claims. (Cl. 259—72)



1. In a flask shake-out apparatus of the character described, the combination of a supporting structure; a vibrating device mounted in an upstanding position on the structure and comprising a vertical cylinder with an open upper end, a hammer slidably mounted in the upper end of the cylinder and embodying at the top thereof an enlarged rounded head for supporting the flask directly thereon and so that it is tiltable relatively to the device, a piston in the lower end of the cylinder, and fluid pressure means for moving the piston up and down in rapid succession in order to impart blows to the hammer so as to transmit vibrations via the head directly to the flask; and bar means mounted on the supporting structure independently of the vibrating device for limiting tilting of the flask and holding it in place on the head.

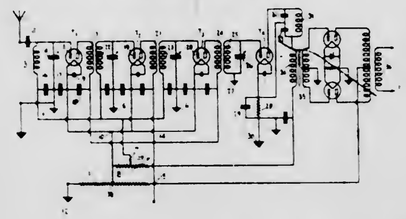
2,004,293
METHOD OF SHAKING OUT FLASKS
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application January 20, 1934, Serial No. 707,482
3 Claims. (Cl. 22—190)

1. That improvement in shaking out flasks which consists in supporting a flask so its bottom is open to discharge sand and so that a portion of its wall contacts directly with the outer end of a hammer which has its inner end slidably mounted in a cylinder, and then actu-



ating a piston in the lower part of the cylinder by fluid under pressure to impart, in rapid succession, blows to the hammer which will be transmitted directly to the flask to loosen the sand and discharge it from the flask.

2,004,294
AUTOMATIC VOLUME CONTROLS FOR RADIO RECEIVING SETS
Russell Mertes Planck, Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 15, 1931, Serial No. 557,311
2 Claims. (Cl. 250—20)

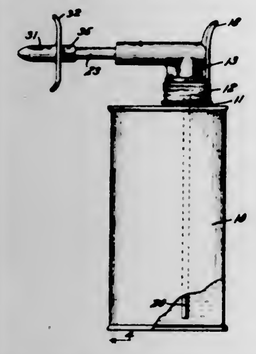


1. In a volume control for radio receiving sets, a direct current source of potential, a resistance connected to said source, a detector tube, a second resistance connected between a point on the first resistance and the output electrode of the detector, a third resistance connected between the cathode of the detector and a point in the first resistance negative to the first mentioned point, the grid of the detector being connected to a point in the third resistance negative to the first mentioned point, a radio frequency amplifier tube having its control electrode and cathode connected respectively to negative and positive points in the second resistance, and means to connect the output electrode of the radio frequency amplifier tube to the input electrode of the detector tube.

2,004,295
DISPENSING ATTACHMENT FOR CONTAINERS
Lester Rothchild and Russell T. Anderson, Denver, Colo.; said Anderson assignor to said Rothchild
Application March 9, 1934, Serial No. 714,804
3 Claims. (Cl. 299—97)

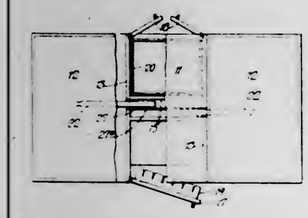
3. A liquid dispenser comprising: a relatively small can adapted to be held in the palm of the hand; a pump cylinder mounted on said can so as to be engaged by the thumb of the hand; a plunger projecting from said pump cylinder; oppositely extending ears projecting from said

plunger so as to be engaged by the forefingers of said hand; and a nozzle member extending



from said plunger so as to extend between said forefingers.

2,004,296
TABLE
Doris Royce, East Orange, N. J.
Application October 27, 1934, Serial No. 750,265
3 Claims. (Cl. 312—164)

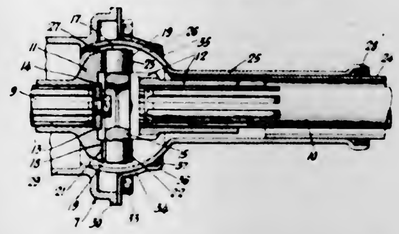


1. A dining table comprising a central portion and drop leaves hinged at opposite ends thereof, the leaves when extended having their top faces flush with that of the central portion and being of sufficient length, width and height to accommodate diners sitting with their legs under the leaves, the central portion comprising a pair of cupboards arranged back-to-back, open at opposite sides of the table, each having a separate back wall, the top of the central portion forming an integral top for the two cupboards and said cupboards being united to each other at their lower portions also so as to provide a unitary stiff supporting structure with a space between the backs of the cupboards, slides in said space for supporting the leaves, which slides are adapted to be drawn out of said space to support said leaves when raised and to be retracted into the space between the cupboards when not in use, the top of the central portion having its side edges substantially flush with the sides of the cupboards so that when the leaves are dropped they lie close against the sides of the cupboards and reduce the table to a small and compact structure, the leaves extending nearly down to the floor so as to be of sufficient size when raised for the serving of dinner to persons sitting up to the leaves as above described, and the central portion also having walls extending substantially to the floor and providing a stiff, strong central support for any loads to be carried on the top.

2,004,297
RESIN AND COATING OR PLASTIC COMPOSITION CONTAINING THE SAME
George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 26, 1932, Serial No. 607,661
9 Claims. (Cl. 260—8)

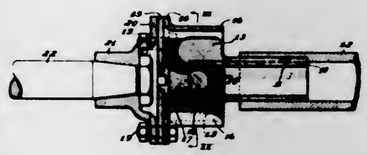
1. Method of preparing a synthetic resin comprising reacting a partial acetic acid ester of a polyhydric alcohol with a resin acid.

2,004,298
UNIVERSAL JOINT
Hervy B. Shoemaker, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 28, 1934, Serial No. 732,746
7 Claims. (Cl. 64—89)



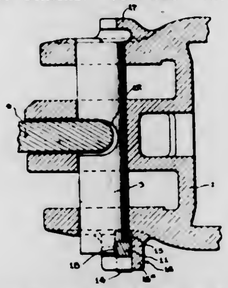
1. In a universal joint assembly having two yokes attached to the ends of the shafts and a spider for connecting the two, openings in the yokes to receive the ends of the spider arms, bushings in said openings, a two piece casing for surrounding the joint, one of the sections of said casing having two pockets on an axis in the plane of rotation of the spider, whereby the two opposite bushings may be moved into said pockets to facilitate disassembly of the joint.

2,004,299
UNIVERSAL JOINT
Jacob Rush Snyder, Pittsburgh, Pa.
Application January 23, 1933, Serial No. 652,993
8 Claims. (Cl. 64—96)



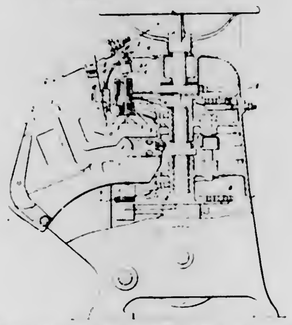
1. A universal joint comprising a member having portions extending substantially radially therefrom and formed with an axial cavity, a second member having substantially radial portions constructed to extend between the radial portions of said first-named member and having an axial centralizing portion constructed to extend into the cavity of said first-named member, and a one-piece rubber filling disposed between the radial portions of said members and in the cavity of said first-named member between said centralizing portion and the radially extending portions of said members where it encircles the centralizing portion and spaces it from said first-named member.

2,004,300
PIN RETAINING MEANS
Harry W. Stertzbach, John S. McPherson, and Arthur H. Filander, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application June 18, 1931, Serial No. 545,324
10 Claims. (Cl. 213—72)



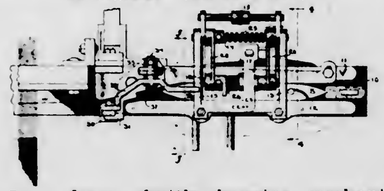
1. In combination, a coupler shank, a draft member, a pivot pin connecting the coupler and member and having a notch at its lower end, integral means on the member engageable with the top of the pivot pin for limiting its upward movement, a bracket depending from the bottom of the member and provided with oppositely disposed slotted lugs, and a pin retainer extending through the slots of the lugs and having a side surface engageable with the notch of the pin for limiting downward movement of the pin and preventing the pin from turning, said retainer being prevented from removal from said slots so long as the pin is in its lowermost position, and said integral means being normally spaced from the head of the pin a sufficient distance to allow the pin to be elevated to a certain height to permit removal of the retainer from said slots.

2,004,301
FRUIT PITTING DEVICE WITH VIBRATORY PITTING MEANS
Albert R. Thompson, San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application January 28, 1933, Serial No. 654,003
7 Claims. (Cl. 146—28)



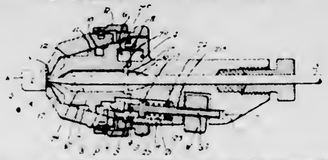
1. In a fruit pitting machine, the combination of a pitting knife having oppositely extending shanks, means for rotatably supporting the shanks of the pitting knife, means for rotating the pitting knife relative to said supports, and means for reciprocating the said pitting knife with reference to said supports in the direction of its longitudinal axis as said pitting knife is rotated.

2,004,302
CLAMPING DEVICE FOR WEFT REPLENISHING LOOMS
Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 22, 1932, Serial No. 600,468
15 Claims. (Cl. 139—256)



1. In a loom, shuttle-changing mechanism, means to clamp the out-going weft thread at a point between the out-going shuttle and the adjacent cloth selvage during ejection of said shuttle, and actuating devices for said clamping means, operable in timed relation to the movement of the shuttle-changing mechanism.

2,004,303
SPRAY GUN
Fritz Wahlin, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 4, 1934, Serial No. 742,543
14 Claims. (Cl. 299—140.1)

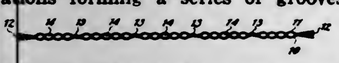


14. In a spray appliance, a body member provided with a liquid passage and an air supply passage; a liquid nozzle abutting rearwardly against the body member and having a bore into which the said liquid passage opens; and an air nozzle clamped rearwardly against the liquid nozzle and formed for affording two air discharge passages presenting forwardly converging outlet portions; the body member and the liquid nozzle having their abutting portions formed to afford an annular air chamber between them, to which chamber the air supply passage leads; the liquid nozzle having an air-passageway presenting a rearwardly open inlet to the said air chamber and leading to both of the said air discharge outlet portions; and a valve member supported solely by, and projecting forwardly beyond the body member; the valve member being movable toward and away from the said inlet of the air-passageway for controlling the said inlet.

2,004,304
STORAGE BATTERY SEPARATOR
Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 1, 1933, Serial No. 683,149
3 Claims. (Cl. 136—145)

1. A substantially flat separator for use between flat battery plates comprising two corrugated porous sheets arranged in face-to-face relation and connected together along their outer

upright edges and along spaced vertical lines between their outer upright edges, each sheet having between adjacent lines of jointure a series of corrugations forming a series of grooves and



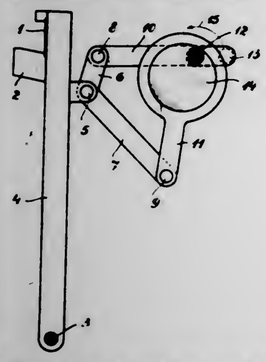
ridges with the ridges and grooves of one sheet opposite respectively the ridges and grooves of the other sheet thereby forming a plurality of circulation spaces between the lines of jointure both on the inner and outer sides of the sheets.

2,004,305
SHOULDER STRAP HOLDER
Angela Bopea, Peekskill, N. Y.
Application July 11, 1934, Serial No. 734,616
5 Claims. (Cl. 24—73)



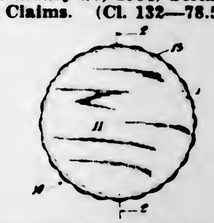
1. A fastener for the shoulder straps of undergarments, comprising fastener elements mounted inside of a dress and upon the topside of a shoulder seam thereof, a fastener for engagement beneath said shoulder seam and having complementary spear-like snap fastener elements adapted to pierce the material of the shoulder seam and engage said snap fastener elements for permanent attachment of the shoulder strap fastener upon the dress.

2,004,306
MECHANISM FOR ACTUATING THE SLAY OF WEAVING LOOMS
Paul Breddin and Otto Wittmers, Cologne-on-the-Rhine, Germany
Application April 8, 1933, Serial No. 665,213
In Germany June 10, 1932
8 Claims. (Cl. 139—190)



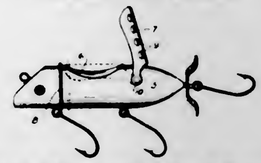
1. In a device for actuating the slay carrying the shuttle race and the reed in mechanical looms, in combination with each of the two slay swords which support the slay pivotal about a horizontal axis; a bell crank lever having unequal arms pivotal about a horizontal pin, a horizontal crank-shaft carrying a pair of mutually adjacent cranks and two connecting rods which join these cranks to pins arranged at the ends of the bell-crank lever.

2,004,307
POWDER PUFF AND METHOD OF MAKING THE SAME
Evangeline Burkhart, New York, N. Y.
Application January 27, 1934, Serial No. 708,595
3 Claims. (Cl. 132—78.5)



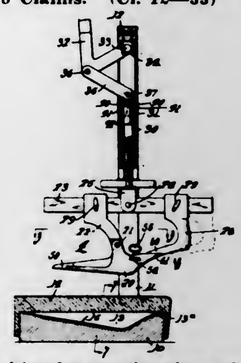
1. A powder puff having the puff members placed back to back, an edging of skin non-irritant material surrounding the peripheral edges of the puff members and positioned partially therebetween, and a sinuous line of stitching, passing through said puff-members and said edging and intersecting the circumferential edges of the puff members at equally spaced intervals to define a continuous series of scallops surrounding the edge of powder puff.

2,004,308
ARTIFICIAL BAIT
Jules Catarau, Seattle, Wash.
Original application September 10, 1934, Serial No. 743,403. Divided and this application February 12, 1935, Serial No. 6,212
1 Claim. (Cl. 43—46)



A lure-body having on its surface intermediate its ends a recessed portion to receive scent material, a plate-member mounted on said lure-body to fit over the recessed portion and enclose the scent material, and a ring, or the like, freely mounted on the lure-body to slide over the plate-member and retain the same over the scent material.

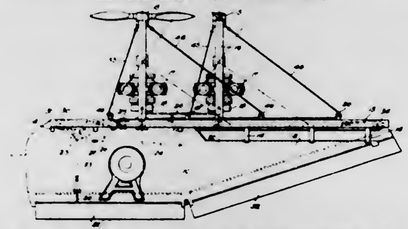
2,004,309
MACHINE FOR PRESSING SHOE SOLES
Avedis Y. Chavoor, Worcester, Mass.
Application May 17, 1933, Serial No. 671,551
8 Claims. (Cl. 12—33)



1. In a machine for pressing shoe soles, in combination, a frame having a top member, a rod

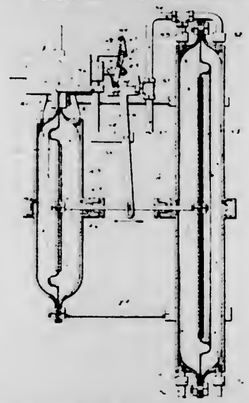
fixed in said top member and extending downward therefrom, a sleeve vertically slidable on said rod, means to move said sleeve vertically and to lock said sleeve in lowered position, a cross bar pivotally connected to the lower end of said sleeve, front and back shoe supports slidable on said cross bar, means to secure said supports in adjusted position on said cross bar, and a cushioned form to receive the downward pressure of the shoe mounted on said supports.

2,004,310
HELICOPTER
Thorvald T. Clausen, Seattle, Wash.
Application June 27, 1933, Serial No. 677,899
11 Claims. (Cl. 244—19)



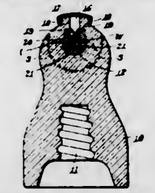
7. In a helicopter, a propeller having a propeller shaft, means for varying the angle of thrust of the propeller by tilting the propeller shaft while maintaining the lower end thereof in a horizontal plane, and means for preventing fore and aft movement of the propeller itself as the angle of thrust is varied.

2,004,311
APPARATUS FOR DILUTING GAS
Harry Cleevely, Rankin, Pa.
Application August 9, 1930, Serial No. 474,273
3 Claims. (Cl. 48—184)



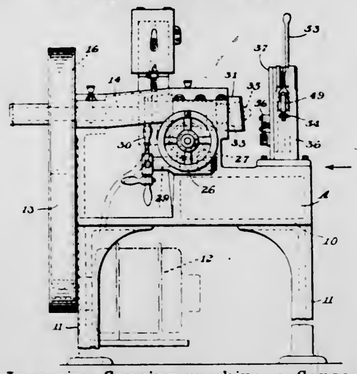
1. A mechanism for forcing a gaseous diluent into a gas stream under pressure and fixedly proportioning the diluent to the gas including a rigid casing having a reciprocable diaphragm therein acting to divide the casing into two chambers, a valve chamber connected to the source of gas under pressure, a discharge pipe, a single valve in the valve chamber in one position connecting one of said chambers with gas under pressure and connecting the other chamber with said discharge pipe, and in the other position connecting the last-named chamber with the gas under pressure and the first-named chamber with the discharge pipe, a second rigid casing having therein a reciprocable diaphragm dividing the casing into two chambers, an operative connection between said piston-like elements, each chamber of the second named casing having an inlet port connected with a source of gas diluent, a valve for said port, an outlet valve, the outlet valve communicating with the discharge pipe from the first named valve chamber, and means operated by the first named piston-like element for alternately shifting said last named outlet valve in one direction or the other, including a lever, a pivoted arm connected to the last named valve, and means for causing a sudden movement of the last named valve to its full position in one direction or the other after the lever has been shifted a predetermined distance.

2,004,312
DEVICE FOR HOLDING WIRES TAUT
Melburn A. Comeau, Haverhill, Mass.
Application May 2, 1934, Serial No. 723,587
10 Claims. (Cl. 173—313)



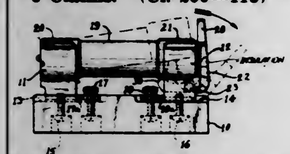
1. The combination of a support provided with a transverse tapered bore and a radial slot extending therefrom to receive a wire; and wire-gripping means fitted to said bore and movable endwise therein to grip the wire when moved in one direction and release same when moved in the opposite direction, said gripping means being separated opposite said slot sufficiently to receive a wire.

2,004,313
PIPE FLANGING MACHINE
William Barnes Crockett, Notre Dame de Grace, Quebec, Canada
Application September 13, 1933, Serial No. 689,333
4 Claims. (Cl. 153—81)



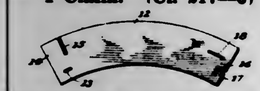
1. In a pipe flanging machine, a flange forming unit including a head and flange forming member mountable therein, said head being bored at an angle to its axis to provide a mounting cavity, a ball race tightly fitted in said cavity and a shank on said forming member freely insertable within said ball race, said forming member when mounted being disposed with its axis at an angle to the axis of the head.

2,004,314
CARTRIDGE FUSE EXTRACTOR
Joseph John Dante, Bantam, Conn., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Application October 29, 1931, Serial No. 571,705
6 Claims. (Cl. 200—113)



1. A holder for a conventional cartridge fuse, comprising a pair of spaced clips adapted to receive and clamp respective end caps of a fuse, each said clip consisting of a strip of resilient metal bent to an approximate U-shape, the arms of the U having their upper portions outwardly bowed to receive and fit against a cylindrical end cap of a fuse, and an ejecting member mounted on the lower portions of the arms of one of said clips to rock on an axis directly under the fuse cap mounted in said clip.

2,004,315
PACKING LINER
William Fean, Columbus, Ohio, assignor to Thomas R. McDonald, Columbus, Ohio
Application August 29, 1932, Serial No. 630,917
1 Claim. (Cl. 217—3)



A liner for a basket comprising a strip of material bent to dispose its end portions in overlapped relation to each other and form an open ended liner of a diameter to fit within a basket in close proximity to walls thereof, one end portion of said strip being formed with a longitudinally extending slot adjacent its lower edge, the said end portion of the strip being slit downwardly from its upper edge in spaced relation to the adjacent end edge of the strip to form a tongue located above the slot, the other end portion of the strip being formed with a longitudinally extending slot spaced from the upper edge of the strip a distance corresponding to the depth of said tongue, the lower portion of the last mentioned end portion of the strip being slit longitudinally from the end edge of the strip and then downwardly to form a tongue having its attached lower end spaced from the lower edge of the strip a distance corresponding to the distance between the first slot and the lower edge of the strip, the tongue of the second mentioned end portion of the strip being passed inwardly and upwardly through the slot of the first mentioned end portion of the strip and the tongue of the first mentioned end portion of the strip being passed outwardly and upwardly through the slot of the second mentioned end portion of the strip.

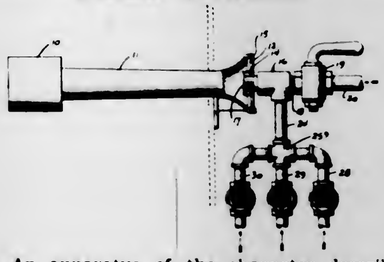
2,004,316
FISHHOOK
Wayland I. Foote, Griffin, Ga.
Application July 9, 1934, Serial No. 734,343
1 Claim. (Cl. 43—36)

A fish hook comprising a strip spring member, a small fish hook attached to one end of the spring member, a large fish hook attached to the other end of the spring member, said spring member having an attaching eye nearer to the small hook, and a sleeve on each hook having a fin-like projection, said projections overlapping each other



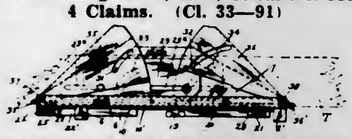
when the parts are folded thereby holding the parts in folded position by the tension of the strip spring and permitting the hooks to spring apart when the large hook is struck by a fish.

2,004,317
GAS BURNER
Thomas I. Forster, Berkeley, Calif.
Application March 14, 1934, Serial No. 715,464
2 Claims. (Cl. 158—11)



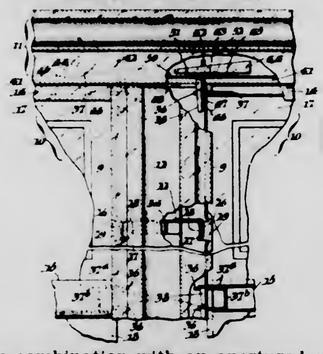
2. An apparatus of the character described, including a gas burner head, a Venturi tube connected at its outlet end to the said head, the intake end of said Venturi tube being formed with primary air ports, an injector head connected to said inlet end of the Venturi tube centrally thereof, an orifice fitting carried by said injector head and having an orifice formed therethrough for delivering gas into the venturi, said injector head having a passageway formed therethrough for delivering gas to the orifice fitting, said injector head having a chamber formed therein and separated from the gas passageway, and means for separately delivering air under pressure, steam or fuel oil to said chamber and said injector head having a series of orifices adjacent to said orifice fitting whereby fluid under pressure in said chamber will discharge into the venturi at high velocity.

2,004,318
RAFTER MARKING APPARATUS
Robert L. Greve, Pasadena, Calif., assignor of one-half to Norman A. Greve, Wilmar, Calif.
Application August 25, 1931, Serial No. 559,213
4 Claims. (Cl. 33—91)



1. A rafter marking apparatus including a body member having a fixed supporting part in a plane at right angles thereto, a plurality of marking members pivotally connected to said body member and said supporting part to move in planes at right angles to each other about different centers, connecting means between said marking members and operable to move them relative to each other and to said body member in different planes, and graduation means for determining different positions of adjustments of said marking members.

2,004,319
WALL AND POST CONSTRUCTION
Conrad T. Hansen, Bywood, Pa., assignor, by mesne assignments, to The E. F. Hauserman Company, a corporation of Ohio
Application July 13, 1931, Serial No. 550,437
2 Claims. (Cl. 189—34)



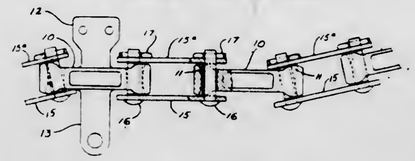
1. The combination with an apertured cornice and a subjacent post and horizontal, of an apertured ear projecting upward from the post through the cornice, an apertured ear projecting endwise from the horizontal through said post and its ear, and keys through said ears, securing the horizontal to the post and the post to the cornice.

2,004,320
PAINT BRUSH PROTECTOR
Gustaf Sigfrid Hanson, Montclair, N. J.
Application July 3, 1933, Serial No. 678,809
4 Claims. (206—15.1)



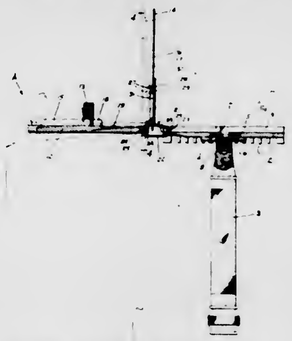
3. A paint brush protector made from a single blank of metal comprising a rear wall provided with inwardly extending marginal flanges and a front wall integrally connected with said rear wall and provided with lugs adapted to snap over and have holding engagement with said flanges to removably secure said walls together, thereby providing a V-shaped paint brush receiving pocket, said front wall being spaced from the marginal flanges to enable the free circulation of liquid through the protector and around the paint brush positioned therein.

2,004,321
UNIVERSAL JOINT CHAIN
Walter Hay, Sandusky, Ohio
Application September 14, 1931, Serial No. 562,698
3 Claims. (Cl. 74—245)



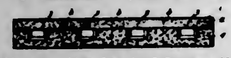
1. In a universal joint chain, the combination of a plurality of links, universal knuckle joints articulately connecting said links, said knuckle joints comprising knuckles and knuckle boxes formed on adjacent ends of adjoining links and pintle pins extending through aligned apertures in said knuckles and knuckle boxes, means for non-rotatably securing said pintle pins in said knuckles, a convex surface on the wall of said pintle apertures in said knuckle boxes adjacent the end of the link, bearing members for said pintle pins having bearing surfaces conforming to the shape of the pintle pins positioned in said pintle apertures in said knuckle boxes adapted to rock on said convex surfaces, and means for non-rotatably securing said bearing members in said pintle apertures with reference to the axis of said pintle pins.

2,004,322
SAFETY RAZOR
John E. Hedlund, St. Paul, Minn., assignor of one-half to Emma S. Leighton, Minneapolis, Minn.
Application December 11, 1933, Serial No. 701,761
12 Claims. (Cl. 30—12)



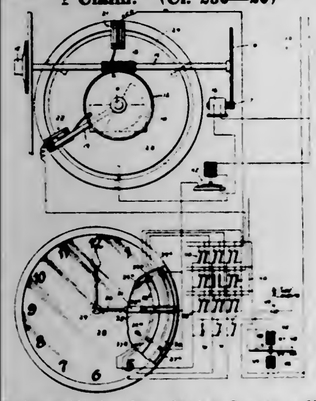
3. In a safety razor, a fixed clamping member having a handle rotatably secured thereto, a movable clamping member adapted to be clampingly engaged with said fixed clamping member by rotation of said handle, thereby to secure a razor blade in position between said members, a blade retaining clip inseparably connecting together said clamping members and comprising complemental spring-actuated plate portions cooperating to receive and secure a razor blade therebetween, and whereby the blade is supported in angular relation to said clamping members, when the latter are in open, blade-releasing positions, and means whereby said spring actuated plate portions may be actuated to release the blade by manipulation of said clamping members.

2,004,323
CINDER CHROME BUILDING UNIT
Arvid Hede, Detroit, Mich., assignor to Cinder Chrome Company, Detroit, Mich., a corporation of Michigan
Application July 29, 1932, Serial No. 626,199
5 Claims. (Cl. 72—36)



1. A building unit adapted for wall construction, formed of a plurality of different grades of cement concrete portions assembled in consecutive layers, the outer layer being a fine sand concrete containing sodium silicate, boracic acid, casein and sal-ammoniac and is provided with an outside face glazing, said face glazing comprises a mixture of sodium silicate, boracic acid, casein and sal-ammoniac.

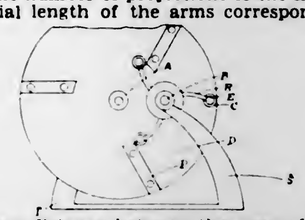
2,004,324
AUTOMATIC TUNING DEVICE
Reinhard L. Heeren, Brooklyn, N. Y.
Application February 25, 1931, Serial No. 518,140
1 Claim. (Cl. 250—20)



An automatic tuning device for a radio receiving set, comprising a tuning mechanism, a switch one side of which is electrically connected to one side of an incoming power circuit, a motor for operating said tuning mechanism, together with contacts operable by said motor and means for operating said switch under control of said contacts, a clock having a plurality of sets of contacts, each set including three contacts, and having a contactor operated by said clock mechanism for interconnecting the contacts of any one of said sets, a plurality of tuning switches, each of said tuning switches connecting one of said contacts to the other side of the incoming power circuit and connecting another contact of the same set of contacts to said first mentioned switch, the third contact of the same set of contacts being connected to said one side of the incoming power circuit through said motor.

2,004,325
ELASTIC COUPLING TO SUBSTITUTE AN INTERNAL GEAR
Francisco Roig Ibañez, Mexico, D. F., Mexico
Application October 25, 1933, Serial No. 695,172
In Mexico July 6, 1933
2 Claims. (Cl. 74—415)

1. A mechanical movement including a disk mounted for rotation and provided with a plurality of substantially radial projections, a second disk mounted for rotation on an axis offset from the axis of the first disk and provided with a series of radiating arms corresponding in number to the number of projections of the first disk, the radial length of the arms corresponding to



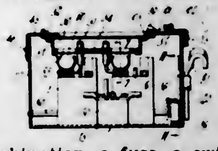
the linear distance between the axes of the respective disks, and rollers carried by the arms and moving, in the operation of the second disk, within the plane of movement of the projections, with the path of movement of the projections intersecting the path of movement of the rollers.

2,004,326
ARTICLE HOLDER
William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application July 5, 1932, Serial No. 620,757
Renewed May 17, 1933
18 Claims. (Cl. 229—29)



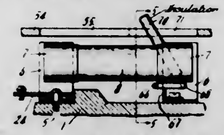
1. An article holder comprising a strip of sheet material formed to provide a bottom having an inclined cushioning portion with a substantially central longitudinal partition portion, and a transverse member secured to opposite sides of said bottom and having a plurality of tongues folded therefrom to extend upwardly above said member to form with said center partition portion a plurality of article receiving compartments.

2,004,327
SWITCH AND FUSE MECHANISM
Ernest G. Johansson, Watertown, Mass., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Application December 26, 1930, Serial No. 504,762
Renewed April 13, 1935
13 Claims. (Cl. 200—50)



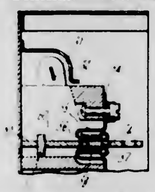
1. In combination, a fuse, a switch in circuit with said fuse and movable between open and closed positions, an enclosure for said switch and fuse of large size with respect to said fuse and accessible for free radiation of heat therefrom and having a restricted passage through which said fuse may be passed for insertion or removal and baffling access to said fuse when said fuse is within said enclosure, and means normally accessible only when said switch is open actuable to project a portion of said fuse outside of said enclosure to permit grasping and removing said fuse.

2,004,328
FUSE MECHANISM
Ernest G. Johansson, Watertown, Mass., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Original application December 26, 1930, Serial No. 504,762. Divided and this application September 11, 1931, Serial No. 562,311
10 Claims. (Cl. 200—113)



1. In combination, an enclosure defining a relatively large compartment and including an apertured wall, a fuse normally within said compartment opposite to said aperture and subject to free circulation of the air in said compartment therearound, said compartment being of sufficient size to permit free heat radiation from said fuse and said aperture being of sufficient size to permit said fuse to be passed therethrough but sufficiently small to cause said fuse to be inaccessible for removal by the fingers therethrough, and means actuable to project a portion of said fuse through said aperture to be accessible to the fingers for removal of said fuse.

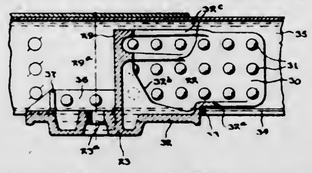
2,004,329
SWITCH FOR ELECTRIC METERS
Ernest G. Johansson, Watertown, Mass., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Application September 26, 1931, Serial No. 565,224
13 Claims. (Cl. 200—16)



10. In an electrical switch, a plate of insulating material having an aperture therethrough, self-aligning means mounted in said aperture and projecting beyond both faces of said plate to receive contact members, said projecting means including jaws disposed on each side of the plate to press resiliently on both opposite faces of the contact members received thereby, said means also including a conductor electrically connecting the contact members when received in said jaws.

2,004,330
CAR CONSTRUCTION
George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application November 9, 1931, Serial No. 573,966
8 Claims. (Cl. 213—57)

1. In a car construction, a body bolster including a center casting having a center bearing plate provided with a king pin aperture, the center casting and plate forming a draft gear receiving pocket positioned above the plate, and oppositely extending arms integral with said plate and forming portions of the bottom of said bolster, the center casting having a vertical bearing wall and a tie plate, both arranged rearwardly of said aperture and being integral with



one another, the rear end of the tie plate being provided with an overhanging ledge adapted to overlap portions of the inner flanges of the car center sills.

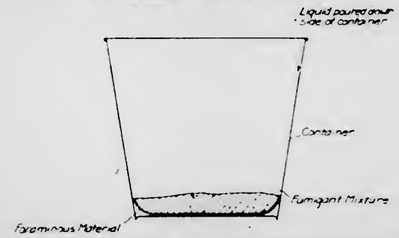
2,004,331
ALLOY STEELS
Joel Larsson, Hofors, Sweden, and Haakon Styri, Philadelphia, Pa., assignors, by mesne assignments, to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 2, 1932, Serial No. 645,412
5 Claims. (Cl. 308—242)

1. An alloy steel having analyses within the following percentage range:

Carbon	1.20– .85
Manganese	.80–3.00
Silicon	.50–1.50
Chromium	.90–2.50

the rest being substantially iron, the sum of manganese, silicon and chromium being not less than 2½% nor more than 5%, a lower range of alloy content being present with the higher carbon, and a higher range of alloy content being present with the lower carbon.

2,004,332
TREATING SOLIDS WITH LIQUID
Paul La Frone Magill, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
Application October 17, 1932, Serial No. 638,183
9 Claims. (Cl. 23—151)

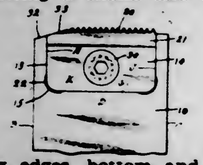


1. A process for generating hydrocyanic acid comprising introducing water over an extended area on the under side of a movable false bottom pervious to water and supporting a layer of solid material capable of reacting with water to generate hydrocyanic acid in such manner that the water is substantially entirely absorbed by said solid material.

2,004,333
CHASER HOLDER
Harry A. Maurer, Novelty, Ohio, assignor to The Oster Manufacturing Company
Application March 28, 1934, Serial No. 717,772
4 Claims. (Cl. 10—120)

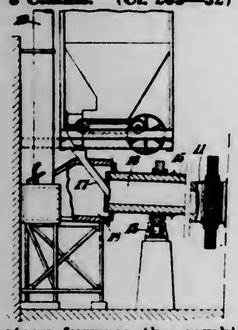
1. A chaser and holder comprising: a holder body, recess edges therein parallel to the outer

edges thereof and extending along said holder a relatively short distance from one end thereof, said distance being short relative to the size of the chaser, a recess bottom transverse to said recess edges, said recess edges and bottom intersecting the face of said holder, and a recess back parallel to and spaced from the back of said holder, said recess back and recess edges intersecting an end of said holder and all of said recess surfaces jointly defining an open seating recess; and a chaser comprising a shank and a blade, said



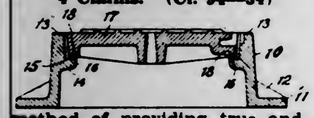
shank having edges, bottom and back closely fitting the corresponding recess surfaces and equal in thickness to the depth of said recess, said blade comprising a chamfer at the work entrance and cutting teeth adapted to project beyond the end of said holder when the shank is seated, and a chamfer on said holder end in prolongation of the blade chamfer; and holding means connecting said holder and chaser and disposed entirely within the holder body and the chaser shank.

2,004,334
ROTARY FURNACE
Alexander Grant McGregor, London, England
Application July 17, 1934, Serial No. 735,670
In Great Britain July 18, 1933
8 Claims. (Cl. 263—32)



1. In a rotary furnace the combination of a muffle chamber mounted to rotate about a non-vertical axis, a heating burner for the muffle chamber, admission valves for the admission of material to the muffle chamber, discharge valves for the withdrawal of the material therefrom, said valves being respectively located at opposite ends of the muffle and automatic means operated by the rotation of the muffle for actuating said valves.

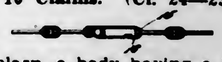
2,004,335
MANHOLE FRAME AND COVER
Michael W. Merriman, Cleveland, Ohio
Application March 30, 1929, Serial No. 351,263
4 Claims. (Cl. 94—34)



2. A method of providing true and accurate engaging surfaces in an iron frame and cover, which consists in casting said frame and cover in sand molds containing chills with accurately formed surfaces complementary to the engaging surfaces of the castings.

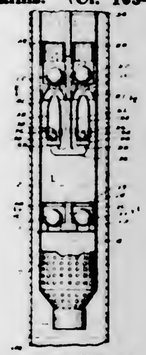
3. In combination, a frame comprising a cover seat of chilled iron, and a cover having a chilled iron surface formed for engagement with said seat, whereby true engaging surfaces may be provided without machining.

2,004,336
CLASP
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application December 24, 1932, Serial No. 648,745
10 Claims. (Cl. 24—237)



1. In a clasp, a body having a hook for separable engagement with a link or the like, an integral tongue for closing said hook, and attaching means comprising a strip of stock integral with the body having a free end and rolled to form an eye on an arc of sufficiently small curvature to be non-resilient for permanently securing the body to some desired part.

2,004,337
FLUID PUMP
Joseph W. Murphey, Monroe, La.
Application August 18, 1933, Serial No. 685,782
6 Claims. (Cl. 103—260)

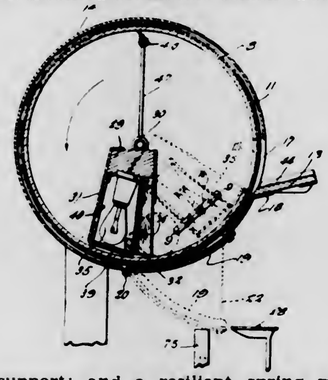


1. A well pump comprising a flow pipe including an elongated shell, a fluid conducting means extending into the shell including an upwardly directed nozzle, a check valve means in the shell below the nozzle constituting a closure in the shell, a second check valve means including a ball in the shell above the nozzle, said second mentioned check valve means constituting also a closure means in the said shell, the said ball being located adjacent the opening of the nozzle whereby to flare a stream of fluid issuing from the the nozzle.

2,004,338
EGG CANDLER AND GRADER COMBINED
Otto Niederer, Titusville, N. J.
Application August 11, 1933, Serial No. 684,719
2 Claims. (Cl. 99—6)

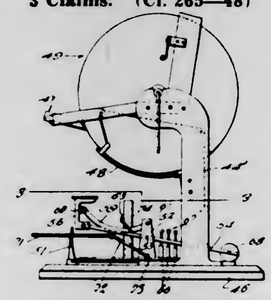
1. In an egg candler, a fixed casing provided with egg inlet and discharge openings, a drum revolubly mounted in said casing and having a peripheral wall provided with egg intake and discharge openings, a combined egg stop and

light support extending longitudinally of the drum and mounted to swing relative to the drum on an axis common to the drum, said combined stop and light support including a substantially hollow member provided on one side thereof with light emitting openings, and illuminating elements mounted within said combined stop and



light support; and a resilient spring member mounted on one end wall of the drum and movable therewith into frictional engagement with an adjacent end of the combined stop and light support for rotating the support with the drum for a fraction of a revolution of the drum, as and for the purpose specified.

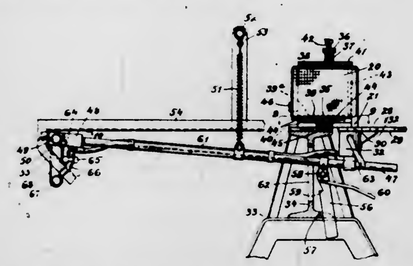
2,004,339
EGG GRADING SCALE
Otto Niederer, Titusville, N. J.
Original application August 11, 1933, Serial No. 684,719. Divided and this application May 28, 1934, Serial No. 728,009
3 Claims. (Cl. 265—48)



1. For use with an egg candling device a scale comprising a base having a vertical index rising therefrom, a plate pivotally mounted intermediate its ends on the base and provided at one end with a receiving plate, and a vertical scale plate rising from the pivoted plate and supporting the egg tray, said scale plate being provided with a vertical scale graduated in terms of ounces and against which the upper edge of the index is readable, and weights on the end of the pivoted plate remote from the egg tray.

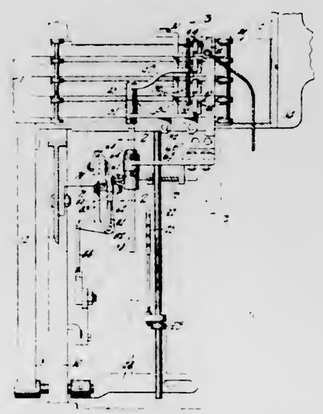
2,004,340
CASTING METHOD AND APPARATUS
Luther M. Patterson, New Philadelphia, Ohio
Application August 3, 1933, Serial No. 683,465
12 Claims. (Cl. 22—203)

1. A casting method which comprises preheating a ladle mold and dipping therewith from a pool of molten metal a body of said metal having the form of the casting to be made, bringing said body in the ladle mold from the pool and applying it from below onto a preformed metal article, fusing the two together by the heat of the molten body, and solidifying said body.



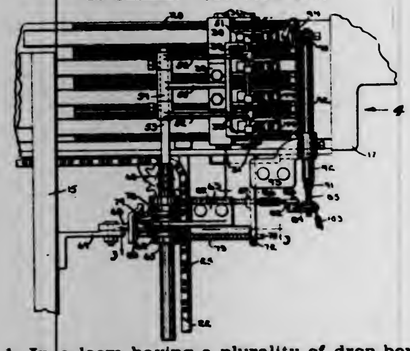
6. Casting apparatus comprising an upper holder for a preformed article, and a lower mold holder pivotally mounted to swing in a vertical plane upwardly into casting position and downwardly into mold-receiving position, said lower holder in its elevated position being separated from the upper holder by a space for accommodating a ladle mold carried by said lower holder.

2,004,341
WEFT DETECTING MECHANISM FOR DROP BOX LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 31, 1932, Serial No. 614,393
Renewed January 3, 1935
3 Claims. (Cl. 139—233)



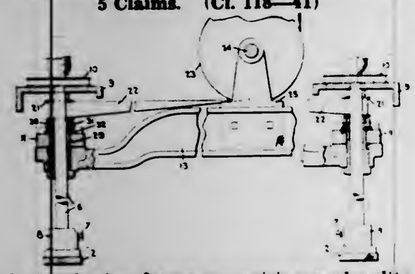
1. In a loom having a plurality of drop boxes, in combination, a separate side-slipping and normally inoperative weft detector permanently associated with each drop box, means to simultaneously withdraw all of said weft detectors from operative position for a major portion of the loom cycle, said means comprising a fixed cam block having raised and depressed portions and a cooperating cam follower mounted to swing with the lay and connected to withdraw said weft detectors, and additional means to vary the duration of the inoperative period for said detectors.

2,004,342
WEFT DETECTING MECHANISM FOR DROP BOX LOOMS
Oscar V. Payne, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 16, 1934, Serial No. 735,317
15 Claims. (Cl. 139—233)



1. In a loom having a plurality of drop boxes, in combination, a plurality of weft detectors each permanently associated with a particular drop box, a stand for said detectors movable with said boxes, detector-withdrawing means to separately engage each of said detectors and to move each detector forward relatively to said stand to inoperative position during each loom cycle, means to release all of said detectors at a predetermined point in said loom cycle for independent rearward movement to detecting position, and means through which the detector associated with the shuttle about to be picked may complete an indication of substantial weft exhaustion.

2,004,343
SPINNING FRAME
Henry A. Owen, Lawrence, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application February 26, 1935, Serial No. 8,253
5 Claims. (Cl. 118—41)



1. A spinning frame comprising a plurality of vertical guide rods at each side of the frame, a plurality of transverse arches, a pair of ring rail sections one at each side of the frame, a pair of spindle rail sections one at each side of the frame, one pair of said rail sections being rigidly supported on the guide rods, the other pair of said rail sections being supported on the ends of the transverse arches, a bushing on each guide rod the bore of which has a sliding fit on said rod, one section of said bushing being concentric with the bore and journalled in the arch supported rail section and another section of said bushing being eccentric with the bore and journalled in the end of the transverse arch, and means for locking each bushing in rotary adjusted position whereby the arch supported rail sections may be accurately adjusted relatively to the arches to maintain the vertical alignment of the ring and spindle rail sections.

2,004,344
CORE COMPOUND
Herbert L. Quandt and Julius J. Horak, San Francisco, Calif., assignors, by mesne assignments, to Quandt Chemical Co., San Francisco, Calif., a corporation of California
No Drawing. Application November 7, 1930, Serial No. 494,187
9 Claims. (Cl. 22—188)

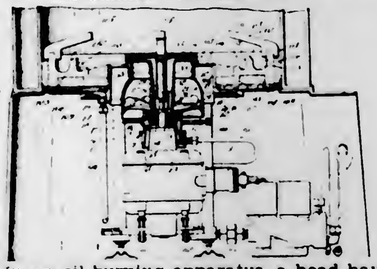
5. A binding agent for foundry sand cores comprising an emulsion containing water, China-wood oil, and an agent adapted to form amines with a portion of said oil.

7. A sand core binder composed of an intimate mixture of China-wood oil, mineral lubricating oil and water, in combination with an agent causing solidification of the oil substantially without preceding increased fluidity upon the application of heat to the core.

2,004,345
CORE OIL COMPOUND
Herbert L. Quandt, deceased, late of San Francisco, Calif., by Carrie Anna Quandt, executrix, San Francisco, Calif., and Julius J. Horak, San Francisco, Calif., assignors to Quandt Chemical Co., San Francisco, Calif., a corporation of California
No Drawing. Original application November 7, 1930, Serial No. 494,187. Divided and this application July 5, 1934, Serial No. 733,880
5 Claims. (Cl. 22—188)

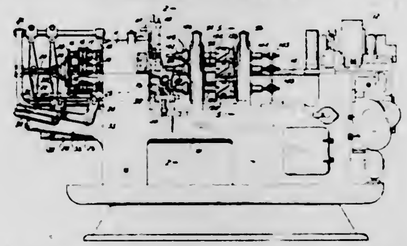
3. A sand core binder comprising a plurality of sand binding materials including China-wood oil all in the form of a substantially permanent water-miscible aqueous emulsion.

2,004,346
OIL BURNING APPARATUS
Hilmer F. Rodler, Woodcliff, N. J., assignor, by direct and mesne assignments, to Oil Equipment Laboratories, Inc., a corporation of New Jersey
Application November 1, 1932, Serial No. 640,596
2 Claims. (Cl. 158—77)



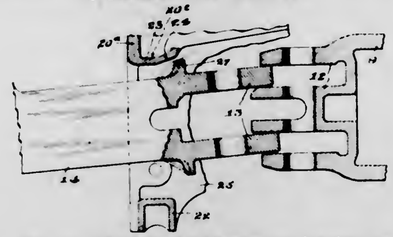
1. In an oil burning apparatus, a head having a plurality of vertical passages, a tubular member fixed to said head and having its upper end flanged, a plurality of spaced tubes supported by said flange and projecting from said member, a plate covering said member, said plate being spaced from said tubes, means connecting the plate and the head so they may be rotated in unison, a hood enclosing said tubular member, a fan within said hood to create an air stream about the member and tubes, a plate covering the lower part of the hood, the last mentioned plate being threadedly mounted to enable it to be adjusted to control the volume of air entering the hood, a hearth frame surrounding the hood and tubular member, said frame being spaced from the hood and member, and means to rotate the head and tubular member to cause oil to pass upwardly through said passages and tubular member and outwardly through the tubes.

2,004,347
MULTIPLE TURRET MACHINE TOOL
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application October 30, 1931, Serial No. 572,004
17 Claims. (Cl. 29—37)



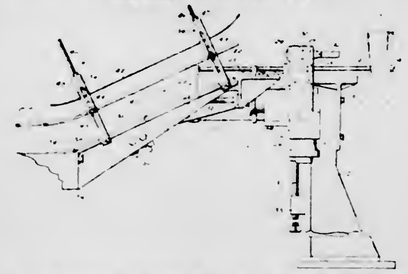
5. In a machine of the character described, the combination of a frame, means supported by said frame for rotatably supporting a work piece, a tool slide for supporting a tool supported by said frame, a tool carrier rotatably supported by said frame about an axis parallel to the axis of said means, means for automatically moving said tool slide toward and from said means at predetermined intervals, and means controlled by the movement of said tool slide for automatically moving said tool carrier in an opposite direction with reference to said means for supporting a work piece from that in which the tool slide is being moved.

2,004,348
RAILWAY DRAFT DEVICE
Eugene B. Schrock, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application July 9, 1931, Serial No. 549,755
2 Claims. (Cl. 213—60)



1. In combination, a railway car having center sills, a swivel yoke positioned between said sills and having superposed forwardly projecting flanges, a carrier for the yoke connected to the sills, a striker casting arranged at one end of the sills and provided with an annular frame, a coupler shank extending through the frame and having rearwardly projecting flanges intercalated with said forwardly projecting flanges, the space between said forwardly projecting flanges being greater than the thickness of said rearwardly projecting flanges, means connecting the shank and yoke, a carrier iron detachably connected to the striker casting and normally supporting said shank in substantial alignment with the yoke, a shoulder projecting upwardly from said shank, the top portion of said frame having a rearwardly extending flange so arranged as to abut against said shoulder and prevent detachment of the shank from the yoke as long as the shank is in normal alignment with the yoke, the distance between the last mentioned flange and the front surface of the upper one of the flanges of the yoke being less than the distance between the front surface of the shoulder and the rear surface of the upper one of the flanges of the shank, the flange of the yoke which underlies said upper flange of the shank extending forwardly at least as far as said top flange of the yoke, said rearwardly extending flange of the top portion of the frame being of such shape as to provide clearance for said shoulder when the shank carrier iron and the connecting means are removed and the shank is moved forwardly and tipped downwardly, whereby the shank can be detached through said frame without removing the yoke.

2,004,349
GLASS TRANSFER APPARATUS
John C. E. Schwab, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application June 13, 1933, Serial No. 675,614
2 Claims. (Cl. 198—24)



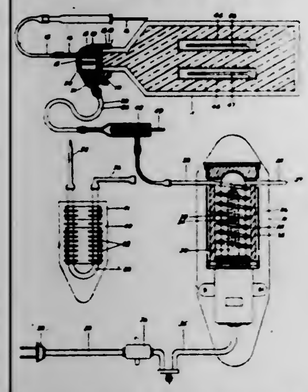
1. Transfer mechanism for glassware, including a continuously moving carrier, a table adjacent the carrier, inverting means associated with the table, a tiltable platform, a chute leading from the tiltable platform, means for sweeping ware in substantially a horizontal plane from the continuously moving carrier and across the table to the inverting means, means for operating the inverting means to invert the ware and deposit it upon said tiltable platform, and means for tilting the platform to deliver the ware to said chute.

2,004,350
CONDENSATION OF ALCOHOLS
Norman D. Scott, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 2, 1931, Serial No. 578,609
21 Claims. (Cl. 280—156)

1. The process for producing organic condensation products comprising heating an alcohol of the group consisting of aliphatic and alicyclic

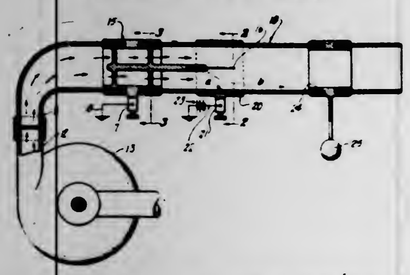
alcohols having at least two hydrogen atoms on the alpha carbon atom to a temperature above about 150° C. in the liquid phase under a pressure above atmospheric in the presence of a dehydrogenating catalyst and a condensing catalyst comprising essentially an alkaline alkali metal compound.

2,004,351
STERILIZER APPARATUS
Martin C. Schwab, Chicago, Ill.
Application September 15, 1933, Serial No. 689,521
3 Claims. (Cl. 128—214)



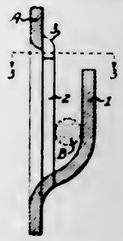
1. A device for giving sterile injections comprising a sealed container containing injection liquid, a removable connecting member attached to said container, a removable injecting member leading from said connecting member, said connecting member having a well and a passage way, a removable tubing connecting at one end with said passage way and leading to the atmosphere at its other end, and removable heating means connected to said tubing for superheating the air and destroying foreign bodies in the air passing into said tubing, said air passing through the well in the connecting member and then into said sealed container to break the vacuum in said container and permit the injection liquid to flow from said container through said well in the connecting member and thence into said injecting member.

2,004,352
ELECTROSTATIC GENERATOR
Alfred W. Simon, Eagle River, Wis.
Application July 5, 1933, Serial No. 679,074
6 Claims. (Cl. 171—329)



1. A double-sided electrostatic generator, each side of said generator including means providing a traveling electric-charge carrier, an inductor and an ionizing electrode adapted to charge said carrier, a collector adapted to take electric charge off said carrier at a point removed from said inductor in the direction of carrier movement, and a charge appropriating electrode adapted to take charge from the carrier at a point between the inductor and collector, and an electric conductor connected between the appropriating electrode of each side of the generator and the inductor of the other side of the generator.

2,004,353
CABLE SUPPORTING CLIP FOR CHASSIS AND BODY
Baldwin J. Sinnaeve, Detroit, Mich.
Application April 14, 1934, Serial No. 720,524
2 Claims. (Cl. 280—106)



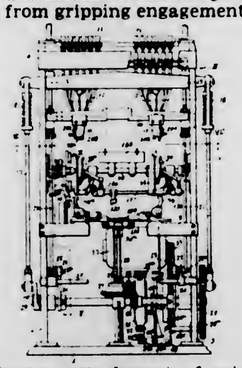
1. An automobile chassis including as a side of the frame thereof, a flat panel member having an outwardly pressed area, and a cable supporting tongue struck out from the intermediate portion of the outwardly pressed area, the portions of the outwardly pressed area on opposite sides of the tongue spacing the cable from the face of the panel.

2,004,354
METHOD OF PREPARING APPLES FOR COLD PACKING
James S. Tierney, Upper Darby, Pa.
No Drawing. Application August 1, 1934, Serial No. 737,931
2 Claims. (Cl. 99—8)

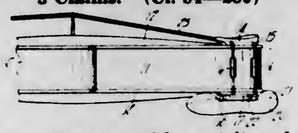
1. A method of preparing fresh apples for cold packing which includes the steps of immersing the apple pieces in a solution containing a major portion of sugar and citric acid and a minor portion of salt, and while so immersed subjecting the pieces to a vacuum, then breaking the vacuum, and packing and freezing the pieces.

2,004,355
BOX FRAMING MACHINE
Herbert E. Twomley, Riverside, Calif., assignor to Donald Parker and Citizens National Trust and Savings Bank of Riverside, administrators of George D. Parker, deceased
Application November 15, 1933, Serial No. 698,101
15 Claims. (Cl. 1—10)

1. In a machine for assembling boxes, a rotatable form comprising a pair of clamping members for supporting a box end, means for moving said clamping members into gripping engagement with a box end inserted therebetween, spring means for successively rotating said form through successive arcs to present different edges of said box end in a predetermined nailing plane, means for securing box sides to successive edges of said box end while said edges are in said predetermined plane, and means for releasing said clamping members from gripping engagement with said box end following attachment of said last box side to said box end.

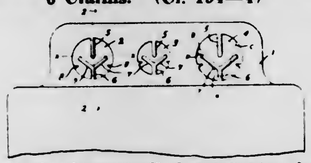


2,004,356
SHOULDER PAD
William W. Westman, South Bend, Ind., assignor to First National Institute of Violin, South Bend, Ind., a co-partnership consisting of Max H. Stryker, Fred A. Murrmann, and Margaret M. Schroff
Application July 20, 1932, Serial No. 623,638
3 Claims. (Cl. 84—280)



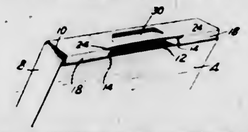
1. The combination with a violin, of an elongated curved shoulder pad, and means intermediate the length of said pad for securing said pad to the violin at one side of the longitudinal center of the violin to position the major portion of said pad within the outline of the violin with the curvature of said pad in opposed relation to the curvature of the adjacent edge of the violin and with the end portion of said pad adjacent the longitudinal center of the violin projecting beyond the edge of the violin to rest on the collar bone of a player to cooperate with the portion of the pad resting upon the shoulder of the player to provide a double support for the violin and insure positioning of the violin at a natural playing angle.

2,004,357
CHECK OPENING GUARD AND CHECK
Benjamin D. Weller, Cleveland Heights, Ohio
Application January 9, 1933, Serial No. 650,766
6 Claims. (Cl. 194—4)



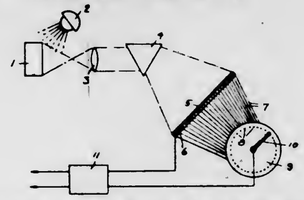
1. In a check-controlled apparatus having a check receiving opening, means for preventing the insertion of unauthorized slugs in said opening, said means including an arm extending radially into said opening from a point on the periphery thereof, and a Y-shaped member extending into said opening from a point on the periphery substantially diametrically opposite said arm, the branches of said Y terminating in a line intersecting said arm.

2,004,358
BOX
Elias Wolf, Elkins Park, Pa., assignor to Louis Wolf, Howard A. Wolf, and Elias Wolf, co-partners trading as National Metal Edge Box Company, Philadelphia, Pa.
Application September 28, 1932, Serial No. 635,133
2 Claims. (Cl. 229—52)



1. A box including two portions one of which overlaps the other to close the box, each of said portions having a flap, said flaps being arranged to assume overlapping relationship when the box is closed, a handle formed by part of one of the flaps, and means whereby the outer flap is locked at the base of the inner flap, said means including slots at the base of the inner flap and members carried by the outer flap engaging within the slots, said members comprising undercut flaps integral with the outer flap.

2,004,359
APPARATUS FOR TELEGRAPHICALLY TRANSMITTING COLORED PICTURES
Albert Alexander Ahronheim, Jackson, Mich., assignor of one-half to William Sparks, Jackson, Mich.
Original application August 7, 1930, Serial No. 473,661. Divided and this application February 17, 1932, Serial No. 593,518
1 Claim. (Cl. 178—5)



Apparatus for telegraphically transmitting and receiving colored pictures comprising, a rotatable drum carrier for supporting the picture to be transmitted, means for scanning said picture, means for decomposing the scanning light rays thus produced into their spectrum, a group of photo-electric elements arranged to receive the bands of said spectrum to produce current impulses, a contact disk having a contact connected in circuit with each of said photo-electric elements, a synchronously driven contact arm, means including said contact disk and said arm for successively transmitting said current impulses, means for receiving said current impulses including a rotatable drum carrier for supporting a recording paper, said drum carrier being adapted to be moved in synchronism with said drum carrier at the transmitter, a plurality of type bar actions corresponding in number with the number of photo-electric elements at the transmitter, an electromagnet for actuating each of said type bar actions, a second contact disk having a contact connected

in circuit with each of said electro-magnets, a second contact arm connected in circuit with said receiving means and driven synchronously with said first named arm for successively actuating said type bar actions in accordance with said received current impulses, a color container associated with each type bar action, each of said color containers having a reservoir and a constricted discharge duct adapted to be brought in contact with said record paper by its respective type bar action for depositing a color upon the record paper corresponding to the color point being transmitted.

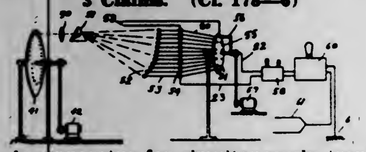
2,004,360

METHOD AND APPARATUS FOR TELEGRAPHICALLY TRANSMITTING COLORED MOVING PICTURES OR SCENES

Albert Alexander Ahrenheim, Jackson, Mich., assignor of one-half to William Sparks, Jackson, Mich.

Original application August 7, 1930, Serial No. 473,661. Divided and this application February 17, 1932, Serial No. 593,519

3 Claims. (Cl. 178—6)



1. An apparatus for simultaneously transmitting colored moving pictures or scenes and sound accompanying the same comprising means for scanning the picture or scene to be transmitted, means for decomposing the scanning rays thus produced into their spectrum, a group of photo-electric cells adapted to receive the bands of said spectrum to produce current impulses, an equal number of current relays in circuit with said photo-electric cells, a contact disk having a contact connected with each of said relays, a synchronously revoluble contact arm, a microphone in circuit with said contact disk for converting the accompanying sound into current impulses, and means including said contact disk and said arm for successively transmitting said picture and said sound current impulses.

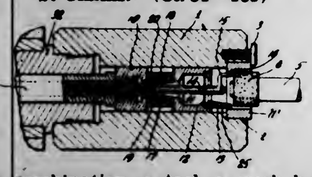
2,004,361

CALIPERING MECHANISM

Merton H. Arms and Joseph B. Johnson, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont

Application June 17, 1932, Serial No. 617,820

27 Claims. (Cl. 51—165)



20. In combination, a tool, a work holder, a rotary spindle carrying said work holder, a feeler carried by said spindle for engagement with work carried by said holder, a device carried by said spindle in proximity to a portion of said feeler, and means responsive to the relative positions of said feeler portion and device for indicating when the work has been cut by said tool to a predetermined size.

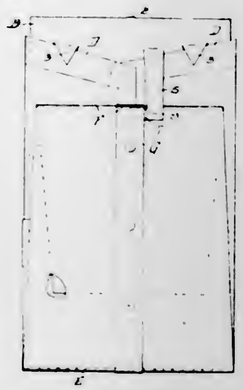
2,004,362

SHIRT BOARD

Louis D. Becht, St. Louis, Mo.

Application August 22, 1932, Serial No. 629,811

5 Claims. (Cl. 223—18.6)



1. A shirt board comprising a sheet of resiliently flexible paper stock around three edges of which a shirt is folded, flexible means integral with and longitudinally of the board for gripping the folded shoulder portions of the shirt and flexible hook shaped means integral with the board intermediate the first means for engaging a folded portion of the body of the shirt.

2,004,363

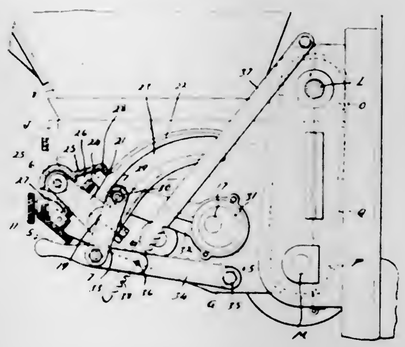
STOKER CONSTRUCTION

Royce L. Beers, Detroit, Mich., assignor to Detroit Stoker Company, Detroit, Mich., a corporation of Michigan

Application October 10, 1932, Serial No. 637,187

Renewed April 19, 1934

11 Claims. (Cl. 74—40)



1. In a stoker, a shaft, an arm fixed to and an arm free upon said shaft, means for actuating the free arm, and a separable driving connection between the arms including a latch carried by the fixed arm detachably engaging a part of the free arm, and adjustable means associated with the fixed arm for maintaining the latch in engagement with the part aforesaid of the free arm.

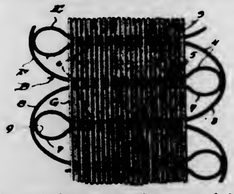
2,004,364

FINISHING STRIP

Frank A. Best, East Windsor, Ontario, Canada, assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana

Application January 6, 1933, Serial No. 650,493

3 Claims. (Cl. 139—425)



1. A fabric reinforcement comprising a pliable woven strip having warp threads formed of fibrous material and having woof threads formed of metal, the warp threads being close together and forming a tape, and the woof threads having portions arranged in pairs as spaced points longitudinally of the tape and having nested loop portions connecting the portions aforesaid and projecting laterally from but opening toward opposite longitudinal edges of said tape.

2,004,365

FLASH TESTER FOR HIGH TENSION ELECTRIC CURRENTS

Edgar Bidwell, Wichita, Kans., assignor of one-half to Charles Basse, Wichita, Kans.

Application March 5, 1934, Serial No. 714,043

3 Claims. (Cl. 175—183)



1. In a flash tester of the kind described, a tube, said tube having an enlarged portion as a bulb on one end thereof, an electrode in said bulb, a metallic cap, said cap being fitted on and being rigidly and permanently attached to said bulb, and a metallic connection between said cap and said electrode, gas in said tube and bulb, said gas having the properties of becoming illuminated in varying colors when brought into the presence of varying amounts of a high tension electric current.

2,004,366

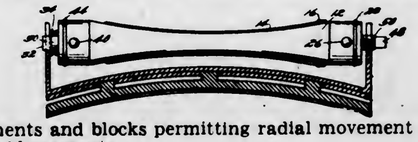
EXPANDING HAIR WAVER ROD

Fritz Binder, Kansas City, Mo.

Application May 7, 1934, Serial No. 724,256

7 Claims. (Cl. 132—33)

1. In hair waving apparatus, a spool comprising a plurality of segments combined to form a hollow spool; a bearing block closing each end of said spool; and means interconnecting said segments and blocks permitting radial movement of said segments.



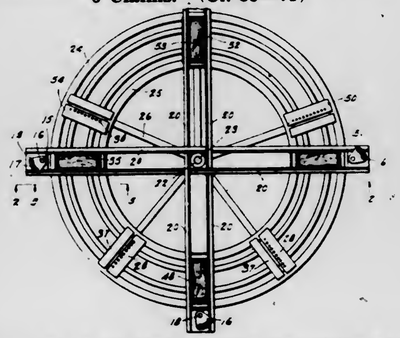
2,004,367

ROTARY WOOD CHIPPING MACHINE

Walter I. Brown, Oakland, Calif.

Application November 21, 1932, Serial No. 643,659

6 Claims. (Cl. 83—75)



1. A wood chipping machine comprising a supporting frame, a cutter wheel rotatively supported by said frame, said cutter wheel consisting of concentrically disposed ring-like members, means on said cutter wheel for supporting a series of slitting cutters arranged in a radial line with respect to the axis of rotation of the cutter wheel, support arms carried by the cutter wheel and arranged concentrically with respect to said ring-like members, a shearing knife mounted on the forward ends of said support arms in a position adjacent to said slitting cutters, means for rotating said cutter wheel, and one or more wood hoppers supported by said frame in position to feed wood to said slitting cutters and shearing knife.

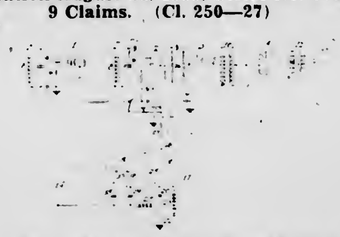
2,004,368

RADIO POWER SUPPLY SYSTEM

Alfred Crossley, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application August 24, 1933, Serial No. 686,523

9 Claims. (Cl. 250—27)



1. A radio receiver including a detector and amplifying stages, a power output stage having substantially zero plate current with no audio-frequency input voltage, a circuit including a first rectifier element and a filter system for supplying plate voltage to said detector and amplifying

stages, and a second circuit containing a rectifier element and a condenser for supplying plate voltage to said power output stage.

2,004,369
RAILWAY TRACK STRUCTURE
Harry Etheridge, Zelienople Borough, Pa.
Application May 6, 1932, Serial No. 609,619
5 Claims. (Cl. 238—115)

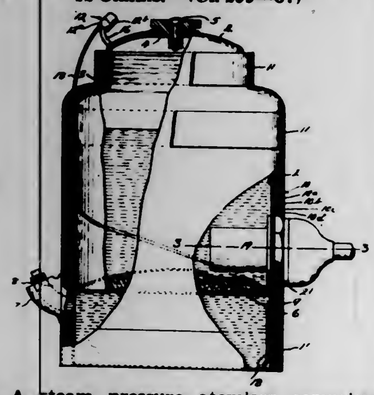


1. In a track support for railway rails, the combination of a supporting structure comprising superimposed strata of metal rings and oblong loops, a metal plate supported from beneath by said structure and secured thereto, the rail being supported by said plate, and a covering and filling of concrete for the rings and loops to form a rigid mass.

2,004,370
ADHESIVE
Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application February 12, 1932, Serial No. 592,649
4 Claims. (Cl. 134—23.1)

4. An adhesive composition resulting from the mixture of cashew nut shell liquid and gelatin in which the proportions of these ingredients range from about nineteen parts by weight of the former and one part of the latter to about one part of the former and ten parts of the latter.

2,004,371
STEAM PRESSURE ATOMIZER
Albert Janesick, Detroit, Mich.
Application June 13, 1932, Serial No. 617,063
12 Claims. (Cl. 299—87)

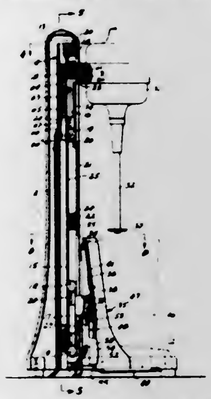


2. A steam pressure atomizer comprising a boiler for generating steam, a liquid receiver arranged beneath said boiler, means for holding said boiler and receiver in assembled relation, an atomizing head adjacent to the top of the boiler, a liquid discharge tube leading from the lower portion of said receiver to said atomizing head, and extending in a proximity to the boiler adapting the boiler to heat the discharging liquid, and a steam delivery connection to said atomizing head from the boiler.

2,004,372
SOLDER FOR ALUMINIUM AND ITS ALLOYS
Alexander Luschenowsky, Berlin, Germany, assignor to Küppers Metallwerke G. m. b. H., Bonn-on-the-Rhine, Germany, a company of Germany
No Drawing. Application March 31, 1934, Serial No. 718,511. In Germany March 31, 1931
1 Claim. (Cl. 75—1)

A method of manufacturing a solder for aluminium and its alloys, comprising melting a hard alloy containing from 50% to 70% tin, from 45% to 20% zinc and from 5% to 10% copper, melting a comparatively softer basic alloy containing from 80% to 95% tin and from 20% to 5% zinc, said alloys having substantially the same specific weight, due to the selection of the amounts of the components thereof, superheating the first-mentioned molten alloy, introducing the same in the superheated finely divided molten state into the second molten alloy and mechanically distributing the first-mentioned alloy in the second-mentioned alloy, whereby the first-mentioned alloy forms very fine crystals which remain solid during soldering.

2,004,373
DRINK MIXER
Arthur M. Lutes, Red Creek, N. Y.
Application September 14, 1932, Serial No. 633,143
13 Claims. (Cl. 259—108)

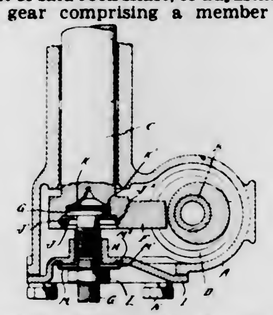


1. A drink mixer comprising a frame having a guide, upper and lower carriages movable along the guide, a stirrer and means for actuating it supported by the upper carriage, a cup support carried by the lower carriage, and motion transmitting and reversing means between the carriages comprising a pulley carried by the frame above the upper carriage and a cord fixed at spaced apart points to the carriages respectively and having the portion between the fixed points passing over the pulley.

2,004,374
STEERING GEAR
Henry Maries, Detroit, Mich., assignor to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 25, 1934, Serial No. 732,374
6 Claims. (Cl. 74—500)

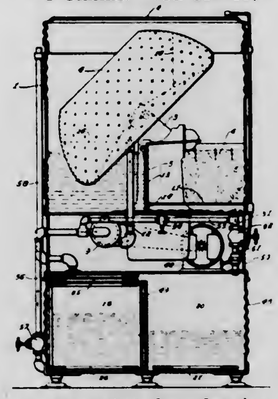
1. In a steering gear comprising a housing, a worm and rock shaft journaled therein with their transverse axes at a fixed distance from each

other and a worm gear on said rock shaft movable into and out of contact with said worm by an axial movement of said rock shaft, of adjustment means for said gear comprising a member having a



swivel opposite end thrust connecting engagement therewith and a screw-threaded engagement with said housing whereby rotation of said member will adjust said worm gear axially.

2,004,375
CLEANING METHOD AND APPARATUS
John E. Martin, St. Louis, Mo., assignor, by mesne assignments, to The Band Box Corporation, St. Louis, Mo., a corporation of Missouri
Application January 18, 1930, Serial No. 421,852
3 Claims. (Cl. 68—38)

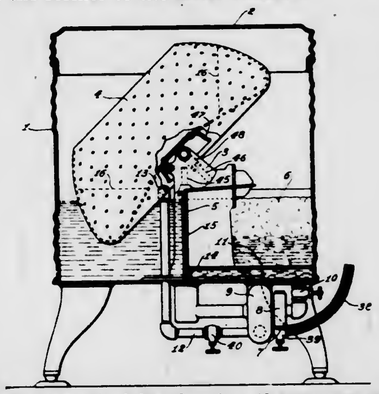


1. In an apparatus for cleaning fabric articles, a clarifier, comprising an evaporating chamber, heating means therein, a condensing chamber, vapor condensing means in the upper portion of said condensing chamber, and liquid cooling means in the lower portion of said condensing chamber adapted to contact with the liquid therein.

2,004,376
DRY CLEANING APPARATUS AND METHOD
John E. Martin, St. Louis, Mo., assignor, by mesne assignments, to The Band Box Corporation, St. Louis, Mo., a corporation of Missouri
Application January 18, 1930, Serial No. 421,853
18 Claims. (Cl. 68—38)

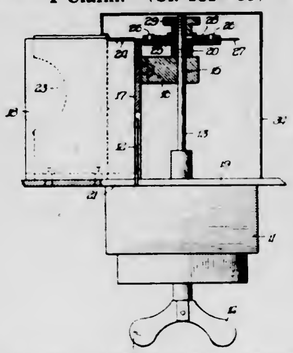
1. An apparatus for cleaning fabric articles, comprising, a cleaning chamber having agitating means therein, an evaporating chamber for the cleaning liquid adjacent said cleaning chamber, and a condensing chamber for the cleaning liquid embracing said cleaning chamber.

8. An apparatus for cleaning fabric articles, comprising, a tub having a transverse vertical partition providing a cleaning chamber and a filtering chamber, a filtering medium in said filtering chamber, and an article container mounted for rotation so as to dip into the cleaning liquid in said cleaning chamber and extending above said filtering chamber so as to carry liquid from the former to the latter chamber.



14. In the art of dry cleaning, the process comprising, agitating the batch to be cleaned in a bath of cleaning fluid at a temperature sufficiently below that of the surrounding atmosphere to substantially retard evaporation of the fluid.

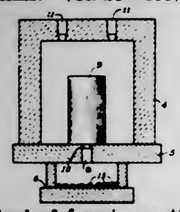
2,004,377
PACKAGE OPENER
William P. Martin, Stickney, Ill., assignor of one-fourth to Joseph Lustfield, Cicero, Ill.
Application June 2, 1933, Serial No. 673,995
1 Claim. (Cl. 131—59)



In a cigarette package opener, the combination of a floor, an end and two side walls upstanding from said floor and unitedly forming a compartment with an open end adapted to receive and snugly accommodate a package of cigarettes advanced into said compartment by sliding through said open end on said floor, a spring-motor, a shaft rotated a half revolution only by each actuation of said motor, a member in said compartment in the path of insertion of said package and movable by the entering package to release said spring-motor whereby such motor revolves such shaft one-half revolution, a support on said shaft, and two sharp-edged blades mounted on said support and each extending beycnd the periphery of said support, each said blade occupying a position on said support ob-

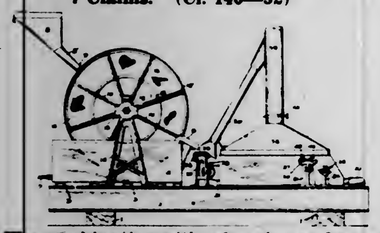
lique to the radius of the shaft through the center of the blade, whereby one of said blades during a half rotation of the shaft first engages and in a slicing manner cuts through the top portion of an upright corner of the stationary package resting on the floor of and confined by the walls of said compartment between the top ends of the cigarettes in the package and the adjacent inner surface of the corresponding top wall of the package and then completes the slit of the walls meeting at said corner and finally slits the wall opposite to one of said first package walls, said final cut being comparable to that of a pair of shears wherein the blade forms one cutting element of the shears and the end of one of said compartment walls constitutes the correlated cutting element of the shears.

2,004,378
METHOD OF MAKING REFRACTORY PRODUCTS AND THE LIKE
Charles McMullen, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application December 18, 1933, Serial No. 702,940
7 Claims. (Cl. 25—156)



1. In the method of forming articles of nonmetallic refractory material, the steps which comprise casting said material in molten form into a mold and against a core of metal of high thermal conductivity having a melting point below that of the cast article, transferring heat from the casting to the core whereby the face of the casting in contact with the core becomes solidified and the core in turn thereafter becomes molten, and flowing the core from within the cast article.

2,004,379
PEA HUSKER
Charles A. Michels, Moscow, Idaho, assignor of one-half to Willis L. Crites, Moscow, Idaho
Application March 19, 1934, Serial No. 716,297
7 Claims. (Cl. 146—32)



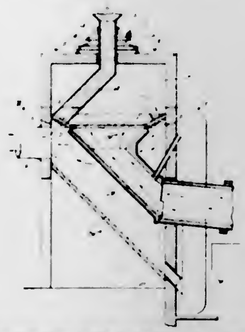
1. The combination with a housing and an endless reticulated conveyer therein of a pair of husking rollers at one end of the conveyer, a pair of splitting rollers located above and adjacent the other end of said conveyer, a pair of oscillatable tapping-rollers located beneath the working flight of the conveyer, and means for oscillating said rollers for alternate impact with said working flight against said splitting rollers.

2,004,380
DIRECT ACTING SHOCK ABSORBER
John M. Nickelsen, Ann Arbor, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application January 22, 1934, Serial No. 707,824
16 Claims. (Cl. 188—88)



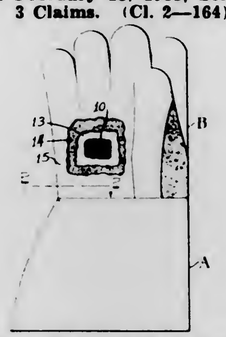
1. In a hydraulic shock absorber of the class described, a pair of concentric spaced tubular members the inner of which forms a fluid pressure cylinder and the outer of which forms a fluid reserve chamber, a tubular member telescoping between said spaced tubular members, a piston carried with said last mentioned member and reciprocating in said pressure cylinder, and a seal between said outer tubular member and said last named tubular member, for the purpose set forth.

2,004,381
MANUFACTURE OF HYDRAULIC CEMENT AND THE LIKE
Kristian Middelboe, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application January 27, 1934, Serial No. 708,578
In Great Britain January 30, 1933
11 Claims. (Cl. 34—23)



1. Apparatus for attempering cement material and the like, comprising a housing, a gas-permeable support within the housing, a movable feeding device within the housing to deposit on the support a layer of material to be attempered, and means to direct the attempering medium within the housing through said support and the material thereon, the housing being provided below said support with a conduit for the escape of said medium, and said support being so positioned between said means and said conduit that the medium passes down through the support.

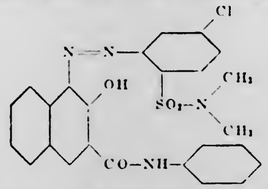
2,004,382
WORK GLOVE
Robert C. Palicki, Toledo, Ohio
Application February 18, 1935, Serial No. 6,943
3 Claims. (Cl. 2—164)



1. A work glove comprising a back and front having a pair of plies of textile material, a rubberized layer between and binding said plies together, the outer of said plies on the front having a fluffy, wool-like resilient surface, and a relatively thick leather ply on the front covering said wool-like surface, said wool-like surface providing an insulation between the outer ply and the remaining plies and also providing a padding for cushioning impact against the outer ply.

2,004,383
AZO-DYESTUFF AND FIBER DYED THEREWITH
Kurt Schimmelschmidt and Hans Thomae, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 7, 1934, Serial No. 738,882. In Germany August 12, 1933
2 Claims. (Cl. 260—95)

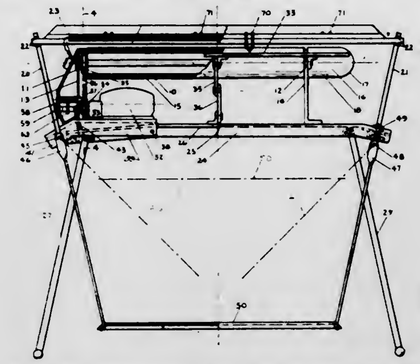
1. The azo-dyestuff of the following formula:



yielding, when produced on the fiber, a vivid golden-orange shade of good fastness properties, particularly of very good fastness to ironing and to light.

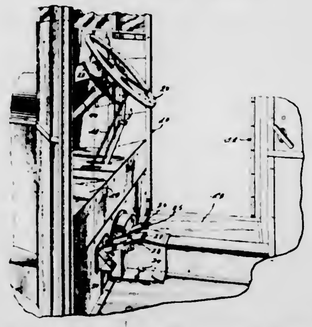
2,004,384
IRONING DEVICE
Solomon H. Seidman, New York, N. Y., and Arthur F. Routh, New Haven, Conn.
Application March 6, 1930, Serial No. 433,632
8 Claims. (Cl. 68—9)

5. In an ironing device the combination of an ironing member, means for heating same, a garment propelling roller and driving means therefor, means for disengaging said roller from said driving means and time controlled means actuated by said disengaging means for disconnecting the power supply for said heating means a predetermined time interval after disengagement of said roller from said driving means.



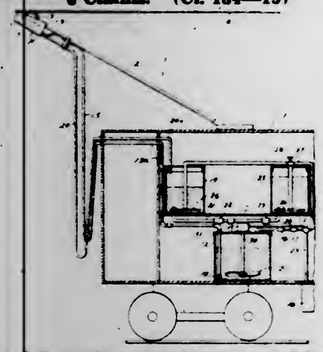
8. The combination with an ironing device of a guide element and means on said ironing device whereby the position of said guide element can be adjusted along the width of same.

2,004,385
DELIVERY VEHICLE
Horace T. Thomas, Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich., a corporation of Michigan
Application January 9, 1933, Serial No. 650,920
2 Claims. (Cl. 180—77)



1. The combination of a delivery vehicle having a low level driving platform extending transversely therethrough and propelled by an internal combustion engine, clutch and transmission and including brake mechanism and vehicle control means, said control means comprising a steering wheel disposed forwardly of said driving platform, a throttle lever adjacent thereto and so positioned with respect to said steering wheel as to permit actuation of both by one hand of the operator while standing on said low level driving platform, a brake pedal, a combined clutch and brake pedal, a foot actuated two-way starting and stopping switch pedal for the engine and an accelerator pedal, all of said pedals being disposed in the forward portion of said driving platform adjacent to one another and accessible to the operator while standing on said driving platform.

2,004,286
APPARATUS FOR LUBRICATING TROLLEYS
Clarence G. Wehrly, Detroit, Mich.
Application March 23, 1931, Serial No. 524,636
6 Claims. (Cl. 184—15)



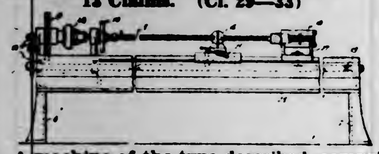
5. A lubricating apparatus comprising a current collector to engage a trolley wire, a spray gun having a passage therethrough, a support for the collector, means to mount the gun on the support in predetermined relation to the collector and wire, a receptacle for a fluid positioned at a distance from the gun, a conductor from the receptacle to the gun to conduct fluid thereto and means to supply air pressure to the receptacle to force the fluid material to and through the said passage and onto the wire.

2,004,387
MANUFACTURE OF FINNED TUBING
Edward A. Dewald, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application August 7, 1931, Serial No. 555,718
4 Claims. (Cl. 29—157.3)



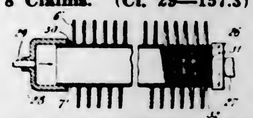
4. The method of forming a finned tube which comprises displacing a portion of the metal at the outer surface of a metal tube to form a groove having raised edges, inserting a metal ribbon edgewise into said groove and crimping the edges of the groove to cause the same to grip the metal ribbon.

2,004,388
MANUFACTURE OF FINNED TUBING
Edward A. Dewald, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application June 25, 1932, Serial No. 619,215
13 Claims. (Cl. 29—33)



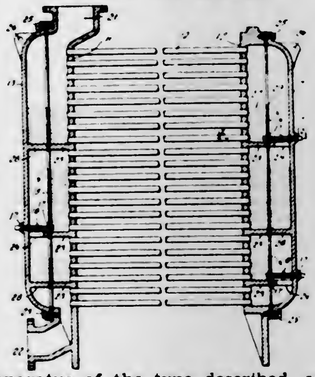
1. A machine of the type described, comprising means for supporting a metal tube, a blunt scoring tool, means for rotating the tube with respect to the scoring tool, whereby a groove is formed in the tube, means for feeding a metal fin into the groove, and means for crimping the groove edges to cause the same to grip the fin.

2,004,389
MANUFACTURE OF FINNED TUBING
Russell C. Jones, Bronxville, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application May 22, 1933, Serial No. 672,146
8 Claims. (Cl. 29—157.3)



1. The method of securing a helical fin on a metallic tube which comprises placing a helically coiled fin about the tube surface, fixing the fin against circumferential movement about the tube due to expansion of the tube and expanding the tube into gripping contact with the fin.

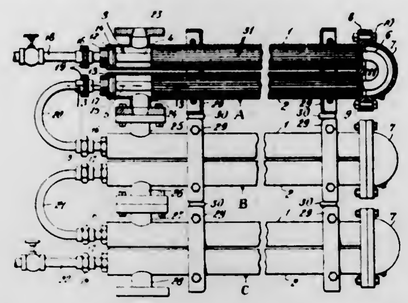
2,004,390
HEAT EXCHANGER
Julius Benzinger, Queens Village, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application April 11, 1934, Serial No. 720,017
16 Claims. (Cl. 257—32)



1. Apparatus of the type described, comprising a pair of headers, a plurality of tubes interconnecting said headers and providing cooling surface, means for supplying condensible vapor to said tubes, and means for controlling the flow of condensate through said tubes to subject the same to varying areas of cooling surface as it progresses, to maintain the temperature of the condensate substantially as low as that of the vapor in contact therewith.

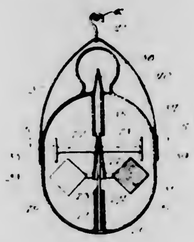
2,004,391
HEAT EXCHANGER
Joseph Price, West New Brighton, and Russell C. Jones, Bronxville, N. Y., assignors to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application November 8, 1934, Serial No. 751,994
9 Claims. (Cl. 257—247)

1. Apparatus of the type described comprising a U-shaped tube, a pair of tubes separately enclosing each leg of said U-shaped tube whereby concentric fluid conduits are provided, the said pair of tubes having internal flanges at one pair of adjacent ends thereof, means for detachably connecting the ends of said U-shaped tube to said flanges and a member interconnecting the other



pair of adjacent ends of said pair of tubes and enclosing the bend of the U-shaped tube, said member being removable independently of said U-shaped tube whereby the same may be withdrawn as a unit from said pair of tubes after removing said member and disconnecting the ends of said U-shaped tube from said flanges.

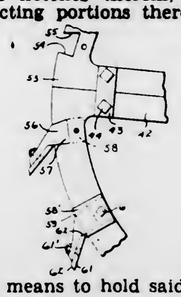
2,004,392
HIGH POTENTIAL OR CURRENT INDICATOR
Joseph Rah, Chicago, Ill., assignor to The Delta Star Electric Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1930, Serial No. 428,994
5 Claims. (Cl. 177—311)



1. Means for indicating the de-energized condition of a power conductor comprising an envelope, radiant energy responsive means rotatably mounted in said envelope and continuously rotated by radiant energy, electrostatic responsive means including an electrode rotatable therewith, and means connected to said power conductor and including an electrode engaging the exterior of said envelope for restraining said electrostatic responsive means upon energization of said conductor.

2,004,393
SOIL PULVERIZER
Joseph F. Rhodes, South Pasadena, Calif.
Application March 7, 1934, Serial No. 714,485
10 Claims. (Cl. 97—215)

1. In a soil pulverizer, a rotor comprising a pair of spaced disks, each of said disks having a series of peripheral notches therein, blade supports having projecting portions thereon fitting said



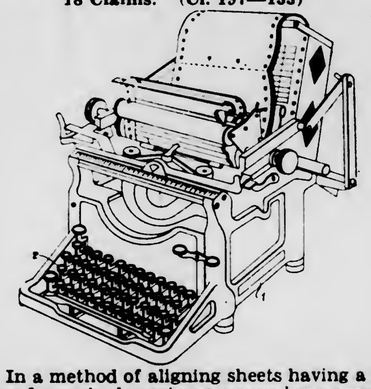
notches, and means to hold said blade supports in position.

2,004,394
SELF LIGHTING CIGARETTE
Victor C. Rowe, Roundup, Mont.
Application July 2, 1932, Serial No. 620,686
3 Claims. (Cl. 131—52)



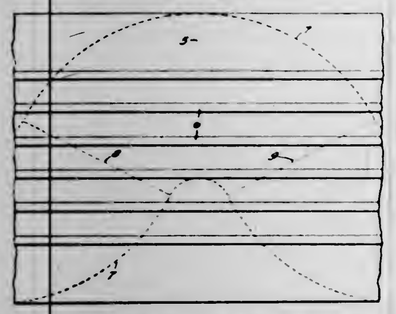
1. The method of forming a self-lighting cigarette, which consists in dipping or otherwise impregnating the wrapping at one end of the cigarette and the tobacco exposed at that end into a water solution of acacia gum whereby to form a stiffened area at the end of the cigarette and a slightly hollow reinforcement across the tobacco, drying the gum solution, then placing in said hollow a body of fulminating substance to form a head which does not exceed in diameter the diameter of the stiffened end portion of the cigarette, and finally drying the fulminating substance.

2,004,395
PAPER HANDLING
John Q. Sherman, Dayton, Ohio
Application August 7, 1931, Serial No. 555,811
18 Claims. (Cl. 197—133)



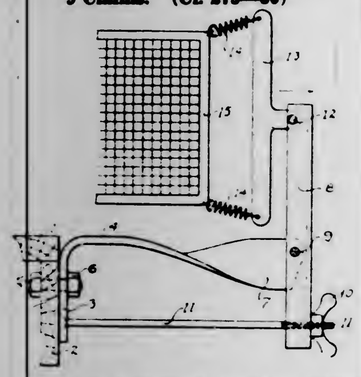
1. In a method of aligning sheets having a plurality of marginal apertures, arranging a group of said sheets in substantial alignment with one another, feeding said sheets as a group, separating said sheets into separate groups, aligning all of said sheets with reference to each other in the original group by separate means operating on the marginal apertures of each separate group.

2,004,396
METHOD OF MANUFACTURING HOT CAPS
Herbert R. Sage, Los Angeles, Calif.
Application May 28, 1934, Serial No. 727,847
3 Claims. (Cl. 93—1)



1. The method of making an article of the character described, which consists in: preparing a strip of sheet material from which the article is to be constructed; attaching a plurality of parallel spaced longitudinal reinforcing strips to a surface of said sheet material; cutting blanks from said prepared material through said reinforcing strips; and forming said blanks into hollow truncated cones with the reinforcing strips on the inside, and having overlapping longitudinal joints.

2,004,397
TABLE-NET BRACKET
Philip W. Sloan, Grosse Pointe Park, Mich.
Application April 6, 1933, Serial No. 664,761
Renewed June 8, 1934
9 Claims. (Cl. 273—30)



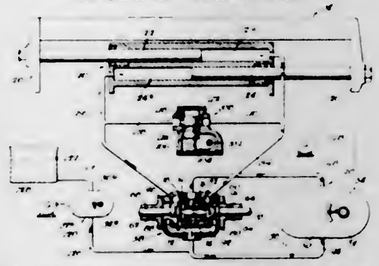
1. A table-net supporting structure comprising a horizontally-disposed stationary fulcrum member having a depending inner end attachable to table and platform sides, a vertically-disposed swingable tension-transmitting member pivotally attached to the outer end of said stationary fulcrum member, a tension rod anchored at one end in said depending portion of the horizontally-disposed stationary fulcrum member, said rod being threaded at the other end and passing loosely through an aperture in said vertically-disposed tension-transmitting member close to the lower end thereof, a thumb nut on said tension rod and contacting said swingable tension-transmitting member to move its lower end inwardly and its upper end outwardly when turned in clockwise direction to increase tension on net, a second vertically-disposed swingable member pivotally attached to the first mentioned swingable member and serving as an equalizing bar through which net tension stress is uniformly distributed, and coiled springs connecting the upper and lower ends of said equalizing bar to the correspondingly-positioned corners of the net, at each end thereof, thus providing a resilient type of support tending to prevent accidental tearing of net.

2,004,398
TIE ROD CONSTRUCTION
James H. Steenson, Plainfield, N. J., assignor to Breeze Corporations, Inc., Newark, N. J.
Application July 23, 1932, Serial No. 624,321
6 Claims. (Cl. 287—62)



1. A tie rod construction for aircraft use comprising, in combination, a rod of uniform cross section having a rounded head, a clevis having a threaded bore to receive the rod, an exteriorly threaded sleeve disposed around the rod to engage in the bore of the clevis, said sleeve having a bore of one diameter for a portion of its length and of a different diameter for another portion of its length, the walls of the different portions of the bore being parallel and a curved seat to receive the rounded head, and a locking means carried by the sleeve to engage the clevis to lock the clevis and sleeve together.

2,004,399
FLUID TRANSMISSION
Ernest J. Svenson, Rockford, Ill.
Application December 26, 1930, Serial No. 504,810
12 Claims. (Cl. 60—52)



1. In material working apparatus, a work support, a cutting tool, said work support and cutting tool being relatively movable, a hydraulic actuator for effecting relative movement between the work support and the cutting tool, a constant speed variable displacement gear pump connected in a closed circuit with said actuator, the pressure maintained at the gear pump exhaust being substantially the same as the pressure of the fluid which propels the actuator, pump means for maintaining pressure at the intake side of the gear pump, the pressure thus maintained counteracting the suction effect at the gear pump intake, a reservoir for supplying fluid to said pump means, and a valve mechanism for controlling the reversal of said actuator, said valve being operable in response to the shifting of said actuator.

2,004,400
PROCESS FOR THE PREPARATION OF TALKING MACHINE PLATES
Alfred Otto Thomae, Berlin-Steglitz, Germany
No Drawing. Application January 10, 1930, Serial No. 420,023. In Germany January 11, 1929
2 Claims. (Cl. 18—48.3)

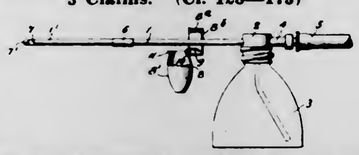
1. The method of producing sound records from gelatinized acetyl cellulose, consisting in drying such material at a temperature of from 40° C. to 80° C. for a period of substantially 24 hours for each one-tenth millimeter thickness of the record disc to be made therefrom, forming a record from such dried material in a heated press the temperature of which is from 60° C. to 90° C. and during such forming subjecting such record to a pressure of substantially 200 atmospheres.

2,004,401
CARD HOLDER
Lloyd L. Wells, Honeoye Falls, N. Y.
Application March 22, 1934, Serial No. 716,852
3 Claims. (Cl. 248—33)



1. A card holder comprising a lead base, and a wire member including a card retaining coil portion, the ends of the wire member being arranged in spaced substantially parallel relationship and embedded in the base.

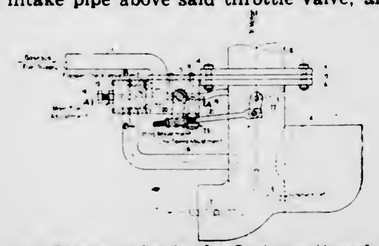
2,004,402
ATOMIZER
John Edward Conklin, Brooklyn, N. Y.
Application April 7, 1934, Serial No. 719,523
3 Claims. (Cl. 128—173)



1. In an atomizer, a nozzle, a pair of air and liquid discharge tubes carrying said nozzle and extending rearwardly therefrom in spaced relationship to a source of liquid and air supply, and a two-part nasal tip mounted on said tubes and comprising a body member adapted to fit over the nozzle and a slidable carrier member movable along said tubes and having a hinge-connection with said body member and a permanent slidable connection with said tubes.

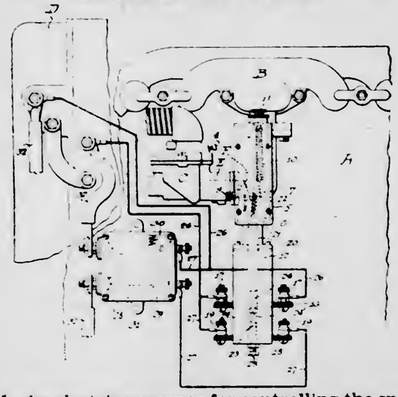
2,004,403
GAS FUEL FEED DEVICE
Delos W. Davisson, Ferdinand G. Welke, and Almy C. Maynard, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 16, 1932, Serial No. 593,304
2 Claims. (Cl. 48—180)

1. A gas fuel feed device for an internal combustion motor comprising: an intake pipe adapted to be attached to said motor, a throttle valve in said intake pipe, a gas valve attached to said intake pipe, a gas supply line connected to said gas valve, a conduit leading from the gas valve into the intake pipe below said throttle valve, a conduit leading from said gas supply line into the intake pipe above said throttle valve, and a



one way flapper valve in the first mentioned conduit whereby air is prevented from passing to the motor by way of said conduits.

2,004,404
SPEED GOVERNOR FOR GAS-ELECTRIC POWER UNITS
Harold D. Gumpper, Detroit, Mich.
Application July 11, 1934, Serial No. 734,629
12 Claims. (Cl. 290—40)

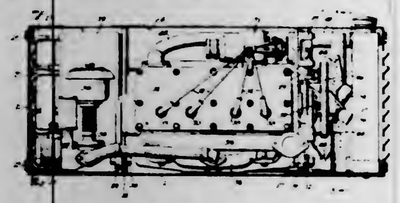


1. An electric governor for controlling the speed of a prime mover arranged to drive an electric generator connected with a main circuit, said governor including solenoids comprising coils and a movable core member, said coils being each connected in shunt across said main circuit, control means for varying the speed of said prime mover operatively connected to said core member, and electro-magnetic means for attracting said core and resisting movement of the same at low speeds of said prime mover and against the action of the energized coil, whereby limited variations in voltage at low speeds, will not effect a change in speed of said prime mover.

2,004,405
UNIT ELECTRIC POWER GENERATING PLANT
Harold D. Gumpper, Detroit, Mich.
Application July 11, 1934, Serial No. 734,630
10 Claims. (Cl. 290—1)

9. A unit power generator plant including a casing of dimensions adapting it for placement in the space occupied by the storage batteries of an industrial truck and including a frame, an electric-power plant enclosed within said casing and including an internal combustion engine secured to said frame in a laterally tilted position to bring

it wholly within the confines of said casing, and a generator within said casing driven by said en-



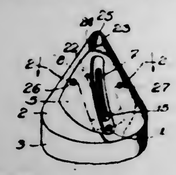
gine, and engine accessories necessary to make a complete operative power plant, mounted within said casing.

2,004,406
BUCKLE
Douglas J. Harvey, Nutley, N. J.
Application February 21, 1934, Serial No. 712,279
2 Claims. (Cl. 24—163)



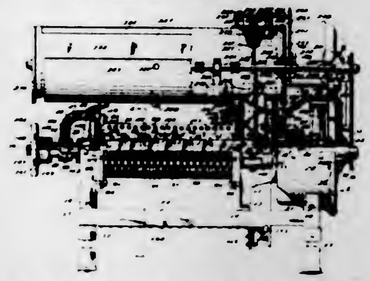
1. A buckle of the character described for use with belts and the like, comprising a channel shaped body providing a receiving recess for the free end portion of a belt and having means at one end thereof for attachably receiving the fixed end portion of the belt, a retaining bar fixed to the other end portion of said body in overlying relation to said recess for retaining the free end portion of the belt in assembled relation with the buckle, a stud projecting from said body within said recess, the height of said stud being less than the thickness of the belt used with the buckle for cooperating with sockets in the rear surface of the belt, a second and similar retaining bar spaced from said first named retaining bar, said second retaining bar being hingedly connected to said buckle body and arranged to cooperate with said first retaining bar to retain the belt within said recess and in engagement with said stud, said second retaining bar being turnable away from said recess to enable the disengagement of said belt from said stud as when varying the effective length of the belt, the unapertured portion of the belt extending between said retaining bars being exposed in use, thereby giving the buckle a highly attractive appearance.

2,004,407
CONTAINER CLOSURE
Harold B. Hemb, Wilmette, Ill.
Application February 23, 1934, Serial No. 712,601
14 Claims. (Cl. 221—62)



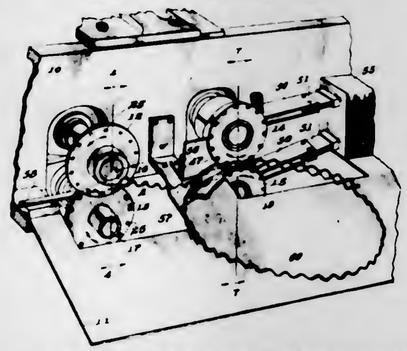
1. A dispensing closure for containers, comprising a conical body portion having a dispensing opening adjacent its apex, said body portion being formed of flexible material and having meeting portions that overlap and are slidably related to each other, each of said overlapping portions having an elongated slot, said slots each occupying a position at an angle to the other, and a pin extending through both of said slots, said slots and pin being so arranged that movement of the pin longitudinally in the slots will open and close the dispensing opening.

2,004,408
APPARATUS FOR EXPRESSING LIQUIDS
Stanley Hiller, Berkeley, Calif., assignor to Stanley Hiller, Incorporated, San Francisco, Calif., a corporation of California
Application November 22, 1929, Serial No. 409,125
12 Claims. (Cl. 100—48)



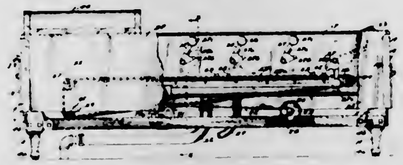
1. In an expressing press, a screen structure comprising a body for surrounding an expressing means, said body being formed of two mating sections, each section having two vertical flanges and a series of ribs united thereto, the ribs of each section forming a hollow semi-cylindrical shell; a plurality of trapezoidal bars rigidly united together at longitudinally spaced points to form a semi-cylinder for positioning within said shell, said bars having outwardly diverging slots; and means to detachably secure said set of bars to said semi-cylindrical shell.

2,004,409
APPARATUS AND METHOD FOR FORMING SCREEN FROM WIRE
Durward K. Hopkins, Peoria, Ill.
Application December 7, 1933, Serial No. 701,314
10 Claims. (Cl. 140—112)



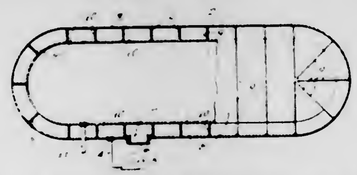
1. A device of the class described having means for forming wire or the like into a series of undulated forms, in combination with means for continuously welding portions of said wire upon other portions thereof in a series of courses whereby a mesh structure is produced.

2,004,410
APPARATUS FOR HANDLING ARTICLES THROUGH TREATING LIQUIDS
John W. Houch and Glen M. Dye, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application March 9, 1931, Serial No. 521,277
27 Claims. (Cl. 95—89)



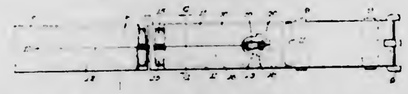
1. A machine for handling articles through treating liquids having in combination, a series of liquid holding vessels, a receptacle pervious to liquids in each of said vessels for supporting articles in the liquid therein, said receptacles being movable from their respective vessels into discharging position, means for so moving said receptacles, and means for agitating said liquid and articles.

2,004,411
AIRCRAFT
Harold F. Krug, Grosse Pointe Park, Mich.
Application March 31, 1934, Serial No. 718,445
2 Claims. (Cl. 244—3)



1. In a device of the character described, a non-expansible casing, an elastic bag within said casing, integral circumferentially extending ribs on said bag and engaging said casing to maintain the wall of the bag in spaced relation thereto, said ribs being adapted to maintain said bag in a distended position in the absence of abnormal fluid pressure in said bag, and said ribs being collapsible whereby to permit the wall of said bag to be moved nearer to said casing by abnormal fluid pressure in said bag.

2,004,412
BELT FOR PERSONAL WEAR
Morris Luftig, Chicago, Ill.
Application November 4, 1932, Serial No. 641,135
3 Claims. (Cl. 241—8)



1. In a belt of the class described, a strip having a buckle secured at one end thereof, a second strip of substantially the same width as the first mentioned strip, said strips being secured together along their longitudinal edges with the second strip on the inside of the belt, said second strip having a slit formed therein, and a separable fastener secured to said second strip adjacent said slit.

2,004,413
WEATHER STRIP
Daniel Todd Main, Westmount, Quebec, Canada, assignor to Best Weather Strip Company Limited, Hamilton, Ontario, Canada
Application March 1, 1933, Serial No. 659,028
3 Claims. (Cl. 20—69)



1. A weather strip comprising an outer casing of pliable sheet material encasing a flexible inner tube of slightly greater thickness and compressibility than the said outer casing, said outer casing having extended edges forming flanges of unequal length adapted to be securely held in the jaw portion of an irregular shaped metallic reinforcing member, said reinforcing member having a tail piece projecting therefrom having secured thereto a flat flexible rubber packing strip, holes punched in said tail piece at close intervals along its length, said holes adapted to receive the fastening means.

2,004,414
BOBBER
James W. Menefee, Fort Wayne, Ind.
Application November 20, 1933, Serial No. 698,743
1 Claim. (Cl. 43—49)



In a fish line bobber, a float, a tube secured in and extending axially through the float, each end thereof extending beyond the corresponding end of said float and having a stop located at its outer extremity, a plummet consisting of a shaft loosely disposed in said tube having longitudinal free guided movement therein limited by said stops, and a fish line connected to one end only of said tube and having a pendent portion provided with a hook, the other end of said tube being free respecting said line.

2,004,415
CONTAINER FOR SPECTACLE TEMPLES
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application July 14, 1932, Serial No. 622,385
6 Claims. (Cl. 206—5)

1. A container for temples of spectacles comprising a flat oblong member, a pair of members

connected to opposite sides of said member and extending over one surface thereof, said members being connected to said first-mentioned member substantially along the center line and being cut away to expose portions of the surface of said first-mentioned member at the opposite ends



flaps at the opposite ends member adapted to fold said second-mentioned surface portions member may be tem-

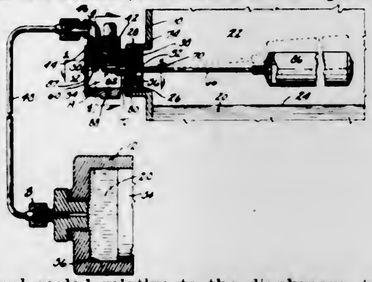
TRACTORS to Min- Company, 722,107

1. A prising the fron the tra with the tor, said stationary posed tool bars connect frame and per ment of the tool mounted on the tool thereto, thereby p runner frame longit direction of travel, and a connecting the hopper and tube being flexible to allow for adjustments.

2. A planter attachment for a tractor ing a draft beam secured to and erally from one side of the tractor, spaced planting devices connected to the as to be propelled thereby, said beam comprising longitudinal sections detachably connected at their ends, and with one planting device connected with each of said beam sections.

2,004,417
AIR VOLUME CONTROLLING DEVICE FOR WATER STORAGE TANKS
Albert Penn, Des Moines, Iowa, assignor to Penn Electric Switch Co., a corporation of Iowa
Application May 13, 1929, Serial No. 362,620
4 Claims. (Cl. 251—31)

1. In a device of the class described, a fitting, an opening therethrough, a diaphragm across said opening, a pair of washers secured to said fitting, said diaphragm being positioned between the washers and the fitting, a control rod extending through the diaphragm and through the opening of the washers, said control rod being secured



to and sealed relative to the diaphragm, trunnions on said control rod positioned between said washers and retained thereby for allowing pivotal movement only of said trunnions.

2,004,418
VENDING MACHINE
Bruno Radtke, Libertyville, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1931, Serial No. 516,113
3 Claims. (Cl. 312—48)

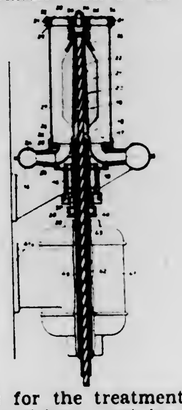


and the com- of the pro-

that the site po member of position while roll-discharging taneously oscil nately discharge a the other of said pa of the machine, said ally rotatable shaft, a with said shaft, a with said first gear wh affording operative connec ond wheel and the oscillating

ratio of said wheels being such as to produce a half revolution of the second wheel for each complete revolution of the first wheel, thereby producing one oscillation of said cup members for each complete revolution of said shaft.

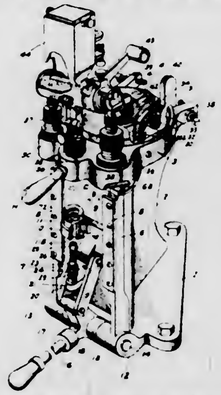
2,004,419
DEVICE FOR THE WET TREATMENT, REMOVAL OF MOISTURE FROM, AND DRYING OF BALLS OF THREAD OR THE LIKE
Fritz Gottfried Schumacher, Basel, Switzerland
Application December 6, 1933, Serial No. 701,243
In Germany December 23, 1932
1 Claim. (Cl. 8—19)



An apparatus for the treatment of yarn in balls or cops comprising a container divided into three superposed compartments, a plurality of dyeing, washing and drying members surrounding said container, means for fixing said members to the side of the container, said members radiating from said container, hollow shafts carried by said members, blade wheels carried by the upper ends of said hollow shafts, spiral casings enclosing said blade wheels, bobbin spindles fixed to the upper ends of said hollow shafts, separate motors mounted for rotating the hollow shafts and bobbin spindle, pipes connecting the compartments with the dyeing, washing and drying members for the conveyance of treatment media and a multiway valve connected with said pipes controlling the treatment media.

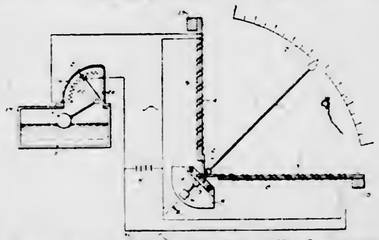
2,004,420
LOADING TOOL
Selmar R. Siebert and Lindsey King, San Diego, Calif.
Application November 13, 1934, Serial No. 752,851
5 Claims. (Cl. 86—23)

1. An upstanding frame having a vertically extending crotch, laterally spaced flanges disposed at the sides of said crotch, plates fastened to said flanges thereby forming guide-bars, a vertically reciprocating crosshead mounted between said guide-bars, said crosshead being provided with an offset support for interchangeably fastening shell holders therein, operating parts comprising an operating arm fulcrumed at the base of said frame, a toggle arm outwardly directed therefrom, and toggle links connecting said arm and crosshead; a stationary lateral extension de- from said frame in said crotch and pro- thru said links, a primer stem rigidly said extension, a swingable turret frame, spaced attachments carried whereby upon swinging it in a plane at a right angle to said stem said attachments vertically aline with said shell holder and stem, a shoulder on said stem, a spiral spring carried by said shoulder, said spring being adapted to yieldably support said operating parts, said stem having its free end diametrically reduced, a primer cup, and means to retractably support



said cup on the reduced portion of said stem, said shell holder being provided with shell gripping means, there being a bore extending thru said shell holder permitting its retractibility, said operating arm being manually liftable to operatively relate said shell holder and said attachments and gravitationally depressible to operatively relate said shell holder and said stem.

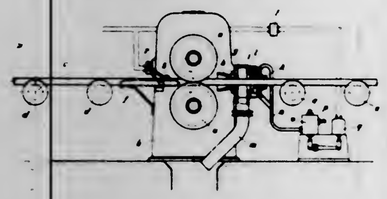
2,004,421
INDICATING APPARATUS
Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application October 4, 1930, Serial No. 486,417
7 Claims. (Cl. 177—351)



4. In a device of the class described, a movable indicating element pivotally mounted to oscillate about an axis, a pair of resilient elements each fixed at one end and at their free ends disposed for movement substantially at right angles to each other, a connection between the indicating element and the free ends of the resilient elements, the connection being positioned at a point spaced from the axis of the indicating element, the resilient elements each being resiliently stressed between the fixed end and the connection with the indicating element at the free end, and exerting opposing forces on the indicating element tending to move it in opposite directions, the indicating element taking up a position at a balance of the forces of the two resilient elements, and means associated with each resilient element to vary the forces exerted by said resilient elements, said means including an electric heater,

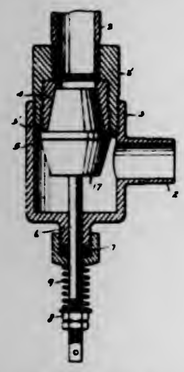
a thermally expansible element responsive thereto, and a circuit for supplying current to said heater.

2,004,422
PROCESS FOR SCALING TUBES
Rudolf Traut, Mulheim-Ruhr, Germany
Application November 22, 1933, Serial No. 699,147
In Germany January 14, 1933
3 Claims. (Cl. 29—81)



1. A process for removing scale from tubes and round bars of metal, consisting in cooling the work in air after the welding or rolling operation below a temperature of about 850° C., passing it through a measuring rolling mill and spraying it with liquid under pressure at an angle and in a direction opposed to its direction of movement for the removal of the scale by cooling action and by mechanical action.

2,004,423
FLOW CONTROLLING MECHANISM
Roy E. Warren, Houston, Tex.
Application February 1, 1932, Serial No. 590,179
1 Claim. (Cl. 251—134)



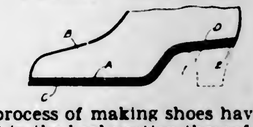
In flow controlling mechanism a valve casing having a valve chamber therein, a coupling threaded into one end of the casing and whose outer end is inwardly thickened forming a stop, a detachable outwardly converging valve seat threaded into the coupling into abutting relation with said stop, a flow line entering the side of the chamber and leading outwardly therefrom through said seat, a valve in said chamber having tapering ends, one of which is shaped to fit within said seat, said valve also having an annular external shoulder arranged to abut the opposing end of the seat when the valve is closed, a valve stem attached to the other end of the valve, a stuffing box carried by the casing through which said stem works and yieldable means normally tending to hold the valve open.

2,004,424
ONE HAND COMPACT
Charles Weeks, Des Moines, Iowa, assignor to The Armand Company, Des Moines, Iowa, a corporation of Iowa
Application January 24, 1934, Serial No. 708,061
4 Claims. (Cl. 132—83)



1. A compact adapted to be supported and operated by one hand comprising a relatively flat container having a top face provided with an opening, a bottom face, two ends and two sides, a closure element for said opening comprising a flexible element normally extending across said opening and across one of said ends, a slot in said bottom face and extending from end to end of said container and a projection on one end of said flexible element, extending through said slot and normally at the end thereof, adjacent the end across which said flexible element extends and adapted to be moved to the other end of said slot for withdrawing said flexible element from closing position with relation to said opening, guide elements inside of said flexible element and along said top face, pivot means inward of said guide elements, a mirror pivoted to said pivot means and spring means tending to swing said mirror outwardly through said opening between said guide elements.

2,004,425
SHOE AND PROCESS OF MAKING SAME
William H. Bain, Portsmouth, Ohio
Application April 5, 1933, Serial No. 664,559
3 Claims. (Cl. 12—142)

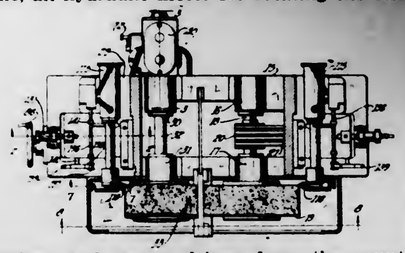


2. The process of making shoes having a cushioning pad in the heel portion thereof which consists in removing the inner surface of the heel portion of an insole to form an open seat that extends from side to side of said insole and to the heel end thereof, placing said insole on a last, interposing a metal member between said last and the seat in said heel portion of said insole, securing an upper to said seat of said last by tacks that are clinched by said metal member, removing said metal member from said seat and then inserting a cushioning member in said seat.

2,004,426
GRINDING MACHINE
Clement Booth and Frederick S. Haas, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application March 28, 1930, Serial No. 439,778
18 Claims. (Cl. 51—103)

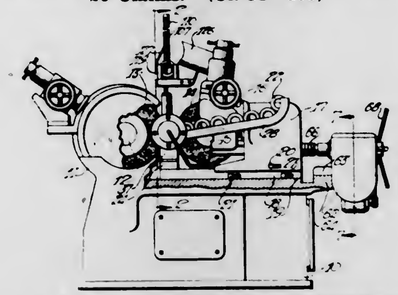
1. In a centerless grinder the combination of a bed or support, a pair of opposed grinding and regulating members forming a grinding throat therebetween, means for supporting a work piece in the throat between the members, a counter shaft, a prime mover for rotating the counter shaft, transmission means extending from the

counter shaft to one of the members for rotating same, an hydraulic motor for rotating the other



member, and means driven from the counter shaft for effecting a rotation of the hydraulic motor.

2,004,427
GRINDING MACHINE
Clement Booth, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1931, Serial No. 548,610
26 Claims. (Cl. 51—103)



1. In a grinding machine the combination of a work support, a grinding wheel adjacent the support, hydraulically actuated means for positioning a work piece on the support, and additional hydraulically actuated means for removing the work piece from the support at the conclusion of the grinding operation thereon.

2,004,428
MASSAGE APPARATUS
John M. Davies, Denver, Colo.
Application April 26, 1932, Serial No. 607,523
3 Claims. (Cl. 128—51)

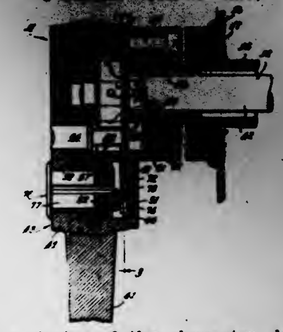


1. Massage apparatus comprising a support, a carrier mounted for vertical reciprocating movement thereon, springs yieldingly opposing move-

[illegible] in opposite directions, a mas[illegible], and means for manual

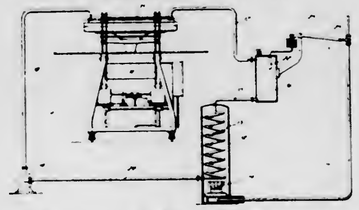
[illegible]

DOOR [illegible] OPERATING DEVICE
Wesley W. [illegible], and Columbus A. [illegible], Calif.
Application [illegible], Serial No. 632,942
3 Claims. (Cl. 70—136)



1. In a device of the character described, a member to be turned, a flange rigid with said member and having a notch in the periphery thereof, operating means freely revoluble on said member and having a hole therein the axis of which is substantially parallel to the axis of rotation of said operating means, said flange extending into one side of said hole, and a pin slidable within said hole optionally into or out of said notch said pin being supported within said hole upon both sides of said flange.

2,004,430
HEATER FOR LAUNDRY IRONERS
Nicholas L. Etten, Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation, a corporation of Iowa
Application March 8, 1932, Serial No. 597,455
2 Claims. (Cl. 68—9)

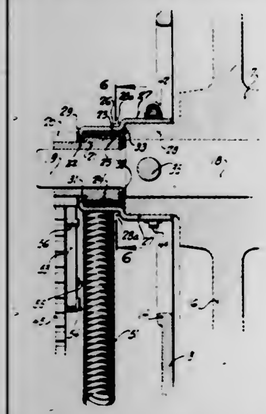


1. In an ironing machine, a member to be heated, said member having a fluid passageway therethrough, a heating coil, means for applying heat to the coil, pipes connecting the coil and the member to be heated to form an enclosed system, a liquid filling said member to be heated, the coil and the pipes, said liquid having a boiling point higher than the temperature to which it is desired to heat said member.

2,004,431
CLUTCH MECHANISM FOR ENGINE STARTERS
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 13, 1932, Serial No. 592,775
3 Claims. (Cl. 192—42)

1. A clutch device through which a rotatable shaft may be driven comprising a pinion having

a hub freely rotatably mounted on the outer end portion of the shaft and held against inward movement by an enlargement on the shaft, a cylindrical cup engaged over the hub with a part overlying the enlargement on the shaft, means engaging said part of the cup to secure the cup to the shaft, an instruck abutment on the outer

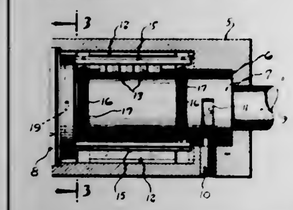


end of the cup, and an overrunning clutch element having a connection with the hub of the pinion and engaging said instruck abutment on the outer end of the cup to hold the pinion and hub against detachment from the shaft and to afford a driving connection between the pinion and cup upon rotation of the pinion in one direction.

2,004,432
LOCK

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Original application March 12, 1934, Serial No. 715,135. Divided and this application July 2, 1934, Serial No. 733,378
9 Claims. (Cl. 70—46)

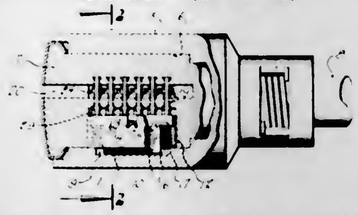


1. In a lock, a bored mounting member, a lock cylinder rotatable in the mounting member bore, key operable tumblers carried by the cylinder yieldably projectible into a groove in the mounting member, a locking bar disposed within the groove in the mounting member and having a part engageable with a recess in the cylinder to positively restrain rotation of the cylinder, said locking bar being projected by any tumbler toward the bottom of the groove in the mounting member in which position it engages in the cylinder recess, and spring means to move the locking bar toward the cylinder and out of engagement with the cylinder recess upon retraction of the tumblers by a proper key to free the cylinder for rotation.

2,004,433
LOCK

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application October 17, 1934, Serial No. 748,655
13 Claims. (Cl. 70—46)

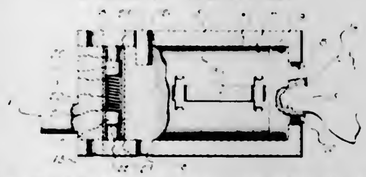


1. In a lock having a cylinder provided with tumbler guideways, key operable tumblers slidable in said guideways, said tumblers having a formation apt to have burrs on the sides thereof adjacent one edge, and said guideways having widened portions to accommodate such burrs, so that their presence does not interfere with the free action of the tumblers in the guideways.

2,004,434
LOCK

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application November 5, 1934, Serial No. 751,573
8 Claims. (Cl. 70—46)

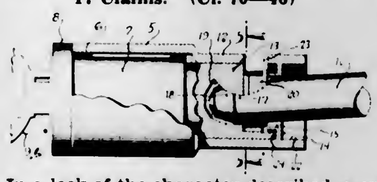


1. In a lock, a bored mounting member, a lock cylinder mounted therein, frangible means to hold the cylinder against endwise displacement in either direction, said means being adapted to give way under a percussive force applied to the cylinder to permit endwise displacement of the cylinder upon the application of percussive force on the cylinder, and means to positively lock the cylinder against rotation and endwise motion upon endwise displacement of the cylinder a predetermined distance.

2,004,435
LOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application August 27, 1934, Serial No. 741,537
17 Claims. (Cl. 70—46)



1. In a lock of the character described, a cylinder having a cavity to provide an under cut recess in one end, a shaft to transmit rotation of the cylinder to mechanism to be actuated, said shaft having a hooked end portion adapted to be non-rotatably received in said under cut recess, the shaft being readily detachable from the cylinder while in a predetermined angular position with respect to the cylinder, and a casing for the cylinder having a part to engage the shaft and hold the same against movement to said predetermined angular position in which it is detachable from the cylinder.

2,004,436
MATCH

Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware

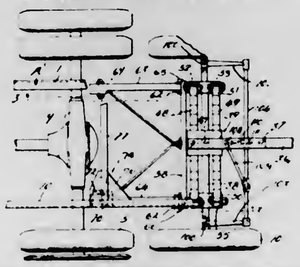
No Drawing. Application December 9, 1931, Serial No. 579,987
4 Claims. (Cl. 52—25)

1. A match, the head of which is provided with a coating comprising as a major constituent a synthetic resin selected from the group consisting of polyhydric alcohol-polybasic acid resins and phenol-aldehyde resins, said coating being substantially impervious to moisture but being so thin as to have no effect on the striking qualities of the match.

2,004,437
TRUCK TRAILER COMBINATION

Irving H. Judd, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Original application December 4, 1933, Serial No. 700,923. Divided and this application May 7, 1934, Serial No. 724,386
10 Claims. (Cl. 280—33.55)



1. A truck-trailer combination comprising a truck having front and rear wheels and steering mechanism for said front wheels, a trailer having front and rear wheels, a connection between said vehicles holding the front wheels of the trailer in tandem relation with the rear wheels of the truck while permitting them to turn, and means carried by the trailer and entirely independent of the steering mechanism for the front wheels of said truck for making the front wheels of the trailer turn in an arc coincident with the center of the turning arc of the front wheels of the truck.

2,004,438
TRANSPORTATION OF AUTOMOBILES

Irving H. Judd, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Original application December 4, 1933, Serial No. 700,923. Divided and this application May 7, 1934, Serial No. 724,387
3 Claims. (Cl. 280—33.1)

1. In a method of loading automobiles on an articulated vehicle in which the trailing section of the vehicle has a front axle in tandem with the rear axle of the leading section of the vehicle and both of said sections have upper and lower tracks, the lower track on the leading section extending over the tandem axles, the steps which consist of moving an automobile forwardly from the ground over the lower tracks of the trailing section and leading section in the order named onto the upper track of the leading section, then

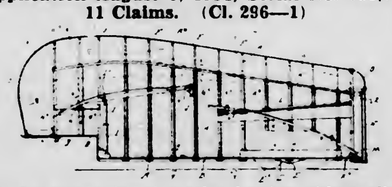


moving a second automobile forwardly from the ground over the lower track of the trailing section onto the lower track of the leading section to a position over said tandem axles, then moving a third automobile forwardly from the ground onto the lower track of the trailing section, and then moving a fourth automobile forwardly from the ground onto the upper track of the trailing section to a position over said third automobile.

2,004,439
AUTOMOBILE LOADING AND CARRYING MEANS

Irving H. Judd, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Application August 6, 1934, Serial No. 738,750
11 Claims. (Cl. 296—1)



2. In an enclosed trailer having side walls, a deck between said side walls for carrying an automobile, and elevated means adapted to be loaded from said deck for carrying another automobile forwardly of and in an elevated position relative to the first mentioned automobile, the combination therewith of inclined means loaded from said deck for carrying another automobile rearwardly of and in an elevated position relative to the first mentioned automobile, said means being supported at its forward end in an elevated position by said side walls and being supported at its rear end by said deck.

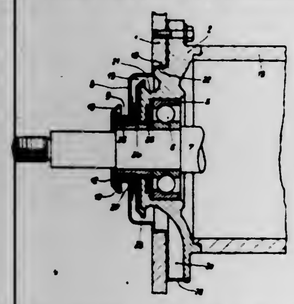
2,004,440
PACKING ARRANGEMENT FOR ELECTRICAL MACHINES

August Kazenmaier, Friedrich Allendorff, and Anton Schmid, Stuttgart, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

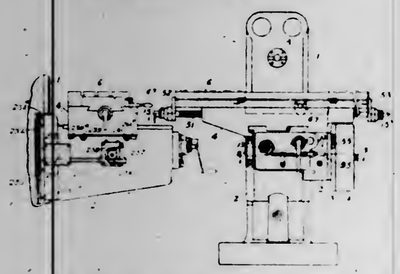
Application October 28, 1932, Serial No. 640,114
In Germany November 10, 1931
5 Claims. (Cl. 286—5)

1. A packing arrangement for preventing the penetration of liquid-oil lubricant and vapors of said lubricant from a gear box into the casing of a machine of the type having a rotor shaft extending from the machine into the gear box for driving the machine, comprising an end cover structure for said machine having a wall portion disposed in said cover structure inwardly with respect to said machine, rotatably journalling said shaft and forming an end boundary wall of

said machine, a flange adapting said cover structure to be attached to the wall of the gear box about the shaft, and an outer wall portion extending radially inward from said flange toward said shaft in such spaced relation with said first-mentioned wall portion as to form therewith a chamber in said cover structure about said shaft, said outer wall portion having a neck-like extension directed outwardly of said chamber in surrounding relation to said shaft and provided with an annular groove in its outer peripheral face, a rotatable splash ring on said shaft in proximity to said annular groove, means packing said chamber and said end boundary wall against said shaft, and conduit means formed in said cover structure opening said chamber to atmosphere at a point exterior to said gear box and said machine.
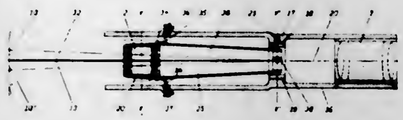


2,004,441
MILLING MACHINE ORGANIZATION
Edward J. Kearney, Wauwatosa, and Fred A. Parsons and Joseph B. Armitage, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis.
Application May 11, 1925, Serial No. 29,433
Renewed April 18, 1932
42 Claims. (Cl. 90—21)



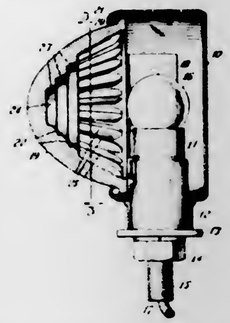
1. In a milling machine the combination of a work support, a rotatable tool spindle adjacent said support, a support for said spindle, said supports being relatively movable in a plurality of directions, a plurality of driving connections respectively for said different directions of support movement and each including means shiftable for altering the effect of its driving connection, a carrier movable independently of said support movement, a plurality of dogs on said carrier, a plurality of trip devices respectively movable into the path of movement of the respective dogs and respectively having motion transmitting connection with different of said shiftable means, and a power train connected to drive said carrier exclusive of said shiftable means.

2,004,442
ADDITIVE FIXED FILTER COLOR SYSTEM
Wilho A. Kosken, New York, N. Y., assignor to Wilho A. Kosken, Inc., a corporation of New York
Application August 29, 1931, Serial No. 560,111
4 Claims. (Cl. 88—1)



1. In combination in a lens system for combining two separate images into two coincident secondary images, a cooperative pair of relatively movable lens carriers; hinging means for hinging both of said lens carriers in the plane of said secondary image and for mounting said pair of lenses at their focal length from said plane; and means for adjusting said lens carriers.

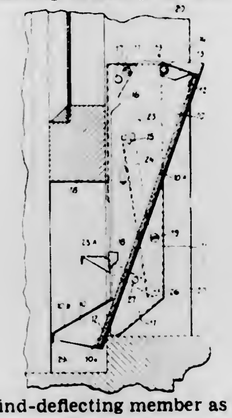
2,004,443
LENS
Rudolph Kovac, Chicago, Ill., assignor to American Automatic Devices Co., Chicago, Ill., a corporation of Illinois
Application September 14, 1934, Serial No. 743,964
3 Claims. (Cl. 88—82)



1. A concavo-convex lens having its convex side smooth, and having its concave side at its middle portion arranged in concentric steps and provided at its outer portion with diverging ribs each positioned at an angle of not more than approximately 30° from the axis of the lens.

2,004,444
WINDOW VENTILATOR
Richard G. Liptrott, Brooklyn, N. Y.
Application October 3, 1930, Serial No. 486,107
7 Claims. (Cl. 98—99)

1. The combination in a window ventilator of a wind deflecting member, a pair of side members adapted to support said member, each of said side members including a stationary plate and a movable plate, said stationary plate being provided with a slot the movable plate having a supporting pin adapted to slide and pivot in said slot, and also lever means attached to said stationary plate and adapted to be operated by the closing of the window to move said pin, thereby lifting and moving inwardly the movable plates with their wind-deflecting member as the window is lowered.

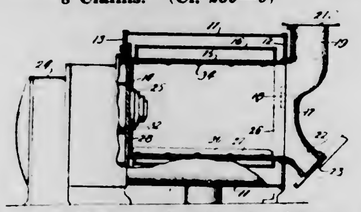


2,004,445
EYEGLASSES AND THE LIKE
Peter H. Meyer, Buffalo, N. Y.
Application August 4, 1934, Serial No. 738,551
5 Claims. (Cl. 88—45)



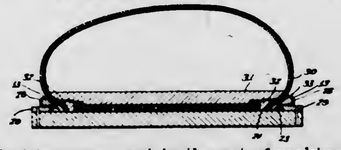
1. Eyeglasses comprising a pair of lenses, and a single-piece, combined bridge and frame member connecting the lenses, said member having a resilient middle spring portion and stiffer substantially rigid end portions which conform in shape to and extend about and bear against the upper outer peripheral edge portions of the lenses, and means for attaching said substantially rigid portions to the outer portions of the lenses.

2,004,446
COMBINED WHIPPER AND SCRAPER FOR ICE CREAM FREEZERS
Herbert S. Mills, River Forest, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1933, Serial No. 687,097
8 Claims. (Cl. 259—9)



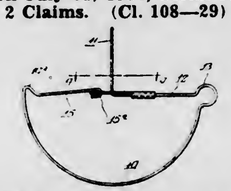
1. In a freezer, a combined whipper and scraper comprising a rotatable unit including an angle member positioned adjacent the freezer cylinder when the unit is inserted therein, said member having a blade adapted to contact with the cylinder wall to scrape the latter when the unit is rotated and a whipper element rigid with said scraper blade extending inwardly from said wall to whip the cream during such rotation.

2,004,447
CALKING WELT
Lloyd F. Plummer, Brockton, Mass.
Application September 12, 1931, Serial No. 562,441
Renewed November 7, 1934
8 Claims. (Cl. 36—78)



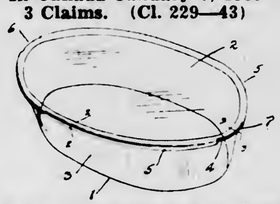
1. That improvement in the art of making calk welts which consists in producing a thin grain-surfaced leather layer, rabbetting a relatively narrow strip from one face of a leather blank strip at one margin leaving the edge face at the opposite margin intact and wrapping the layer about the intact edge face.

2,004,448
ROOF GUTTER BRACKET
John Sansonetti, Chicago, Ill.
Application July 31, 1934, Serial No. 737,826
2 Claims. (Cl. 108—29)



2. In a roof gutter bracket comprising a gutter circle formed of a strip of material, the ends of said circle being extended to form substantially horizontal gutter overlying portions one of said portions terminating in a hook, and the other in an upwardly directed hanger; means for connecting said gutter overlying portions together, said means comprising a plate-like link carried on top of said second named gutter overlying portion, said link having an aperture formed in one end thereof, means on said link adjacent the other end thereof and cooperating with said second gutter overlying portion to secure said link thereto, and said aperture being positioned to encircle said hanger at the base thereof and project beyond the same to provide means for engaging said hook of said first named gutter overlying portion.

2,004,449
DISH
George S. Stanley, Winnipeg, Manitoba, Canada
Application March 30, 1934, Serial No. 718,270
In Canada January 7, 1935
3 Claims. (Cl. 229—43)



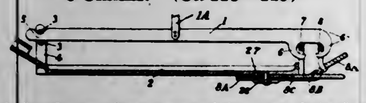
2. A dish for containing and displaying a food product comprising a dish body and a cover therefor, both the body and the cover being made from a resilient comparatively thin material and having the body portion provided at its rim with a flange and the cover with an edge-turned por-

tion, the said edge-turned portion being provided with a plurality of flange-extension spaces thereupon and adapted to be caught on the flange by manual pressure of the body.

2,004,450
MEANS FOR FACILITATING REFERENCE TO AND READING OF BOOKS AND THE LIKE

Hugh Alexander Thomson, Kensington, London, England

Application August 5, 1932, Serial No. 627,627
In Great Britain August 6, 1931
6 Claims. (Cl. 116—119)

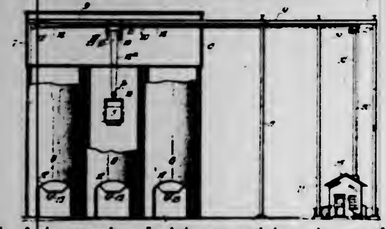


1. A book marker comprising an interleaving member having its opposite ends bent laterally in the same direction, there being a recess in one of the bent ends of said member and forming a claw, a rigid frame member co-extensive with the interleaving member and spaced therefrom, means for interconnecting said members at one end thereof, and means for interconnecting and locking them at the other end comprising a longitudinally adjustable loop carried by the frame member and adapted to detachably engage said claw.

2,004,451
STABILIZER FOR TRAVERSING HOIST BUCKETS

Willis H. Towne, Wilmette, Ill., assignor to Gifford-Wood Company, a corporation of New York

Application November 8, 1926, Serial No. 146,890
9 Claims. (Cl. 212—77)



1. A traversing hoist comprising, in combination, a trolley movable along a track; a bucket suspended from the trolley by a hoist line; and means for stabilizing the bucket comprising a buffer against which the bail of the bucket strikes when the bucket is raised to its uppermost position; said buffer having resiliently mounted buffer arms of sufficient spread to be engaged by the bail of the bucket although oscillating in a plane transverse to the general plane of the trolley; the free ends of the buffer arms being inclined downwardly so as to guide the bail to a more or less central position relative to the buffer; the parts being so constructed and arranged that pendulum-like oscillation of the bucket is checked by elevating the bucket until the bail strikes the buffer arms.

2,004,452
CHEMICAL HEATER FOR OIL WELLS

James R. Vandever, Pampa, Tex., assignor to Richard P. Abele, Tulsa, Okla., as trustee

Application June 20, 1934, Serial No. 731,537
11 Claims. (Cl. 166—17)

1. A heater for oil wells comprising a closed housing adapted to be lowered into a well, a partition dividing said housing into two separate chambers, a valve in said partition, said valve being maintained in engagement with its seat by



the weight of said housing and means for opening said valve when the bottom of said well is reached.

2,004,453
METHOD OF RECORDING SOUNDS

Shumpei Watanabe, Koishikawa-Ku, Tokyo, Japan

Application October 20, 1932, Serial No. 638,801
In Japan November 10, 1931
2 Claims. (Cl. 179—100.3)



1. Apparatus for recording sound on a light sensitive member comprising a cathode ray tube having means for producing a pencil of cathode rays provided with a metal window forming a slit having inclined surfaces through which the cathode rays are ejected from the tube in form of X-rays, a thin leaf covering said slit, a light sensitive member moving in contact with said thin leaf, electrostatic plates in said tube arranged opposite to the pencil of rays and means for applying to said plates a potential difference which varies in accordance with the sound waves to be recorded.

2,004,454
BURIAL VAULT

Eugene W. Wilson, Oak Park, Ill.

Application April 28, 1930, Serial No. 448,019
Renewed November 3, 1934
6 Claims. (Cl. 27—35)



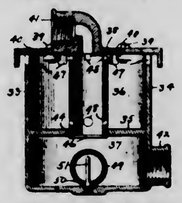
2. A container comprising a receptacle and lid therefor, said container having a wall ply of fusible material, an electric resistance wire embedded in the lid along the meeting line of the lid with the receptacle whereby to fuse the material in the affected zone into a homogeneous mass, and an enlargement of said wall ply of the lid and

encircling the container at a level immediately over the heated zone, said enlargement serving as a reservoir to supply additional fused material along the meeting line of the lid with the receptacle.

2,004,455
ANTISIPHONAGE DEVICE FOR WATER CLOSETS AND LIKE WATER SERVICE SYSTEMS

William J. Woolley, Chicago, Ill., assignor to Joseph A. Vogel Company, Wilmington, Del., a corporation of Delaware

Application February 21, 1933, Serial No. 657,889
21 Claims. (Cl. 4—23)

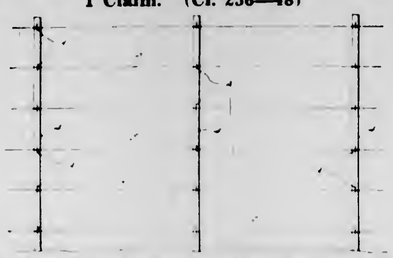


1. The combination with a water supply device having a drain outlet, and a waste conductor, of a connection between said drain outlet and waste conductor, and a device in said connection in open communication with the atmosphere and operating on the formation of a vacuum in said drain outlet to admit air thereto through said connection to break the vacuum therein.

2,004,456
SELF TYING CLIP

Edward Carson Armstead, Darrington, Wash.

Application January 10, 1934, Serial No. 706,122
1 Claim. (Cl. 256—48)



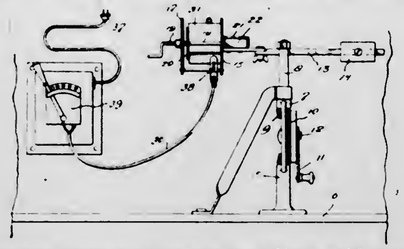
A device for fastening a flexible member to a post comprising a single piece of wire having an intermediate part adjacent one end, bent upon itself to provide inner and outer parallel portions which contact each other, the free end portion of the inner part being bent at right angles, away from the other part, and pointed and roughened to provide a post penetrating part, the inner part contacting the post when the pointed part is driven thereinto, the other end portion of the wire forming a vertical extension of the outer part, said extension having a straight lower part and an inwardly bowed upper part, the bowed part contacting the post with the straight part spaced from the post and providing a space between itself and the post to receive the flexible member.

2,004,457
CASTING APPARATUS

Eric Beringer, Waco, Tex.

Application August 15, 1932, Serial No. 628,903
2 Claims. (Cl. 22—65.1)

1. A centrifugal casting machine comprising a rotatable shaft, a cross bar carried by and rotatable with said shaft, a crucible holder mounted on one end of said bar, an adjustable oven clamp carried by the last-named end of said bar at the outer side of said crucible holder and including an inner clamping plate fixed to said bar and having a central opening through which metal may be transferred to a flask in the oven from a crucible in said crucible holder, said oven clamp further including an adjustable outer



clamping plate and means to adjust said outer clamping plate toward the inner clamping plate, an oven removably mounted in said oven clamp, said oven being of cup-shape and open at its inner side for removable reception of a flask, and means including an electrical heating resistance forming part of said oven for heating the latter to any desired predetermined temperature while mounted in said clamp.

2,004,458
VAT AND SULPHUR DYESTUFF PREPARATION FOR PRINTING COTTON

Hermann Berthold, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

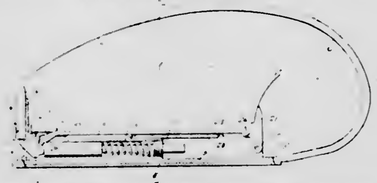
No Drawing. Application May 12, 1932, Serial No. 610,976. In Germany May 18, 1931
8 Claims. (Cl. 8—6)

1. Vat and sulphur dyestuff preparations for printing cotton comprising besides the vat or sulphur dyestuffs a compound selected from the group consisting of anthraquinone mercaptans, salts and ethers thereof, anthraquinone thiocyanates, dianthraquinonyl-mono- and disulphides and reduction products of these compounds containing oxygen in the meso-position.

2,004,459
DINGER

Charles Boehnke, Rosemead, Calif.
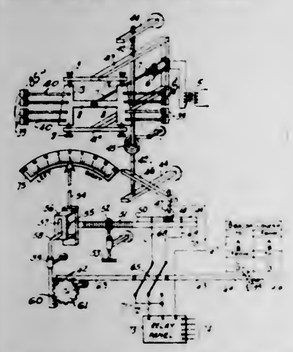
Application December 3, 1934, Serial No. 755,801
3 Claims. (Cl. 81—15)



1. A tool of the class described including a base, a cylinder mounted longitudinally on the base, a piston in the cylinder, a spring normally urging the piston out of the cylinder at one end, said one end being provided with a longitudinally extending slot, a rockable member opposite the slotted end of the cylinder, means for mounting the rockable member, a second cylinder, said second cylinder being mounted at right angles to

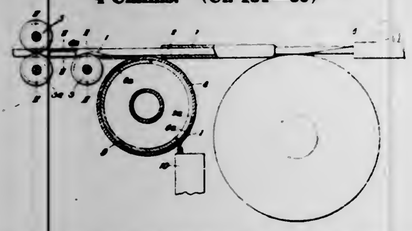
the first mentioned cylinder and opposite the rockable member, a trigger, means for rockably mounting the trigger on the other end of the base, a rod pivotally engaged with the trigger and extending along the outside of the first cylinder and having a hook end extending into the slot for engaging the end of the piston, means for urging said hook end toward the piston and a striking pin slidable in the second cylinder and engageable by the rockable member.

2,004,460
RADIO STEERING CONTROL
Theophile E. Brockstedt, San Francisco, Calif., assignor to Washington Institute of Technology, Inc., a corporation of Delaware
Application August 28, 1930, Serial No. 478,498
Renewed April 17, 1935
20 Claims. (Cl. 172—282)



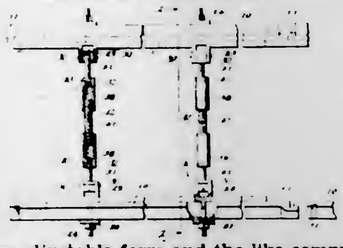
8. In automatic steering control apparatus, a receiver of differently characterized simultaneous signals, an electro-mechanical resonance differential control device operable responsive to the frequencies and relative magnitudes of said signals, and automatic steering apparatus control circuits operatively associated with said control device for differential actuation thereby.

2,004,461
MANUFACTURE OF CIGARETTES
Sidney Waterfield Bunker, London, England, assignor to Filter Tips Limited, London, England, a British company
Application October 31, 1934, Serial No. 750,905
In Great Britain July 14, 1933
4 Claims. (Cl. 131—39)



1. A method of applying tips to a moving cigarette rod, comprising moving an endless surface in contact with and at the speed of travel of the cigarette rod, feeding lengths of tipping material to said surface at spaced intervals for transfer to said cigarette rod, and wrapping said lengths of material about said cigarette rod.

2,004,462
ADJUSTABLE FORM
Samuel I. Bush, Manassas, Va.
Application May 21, 1934, Serial No. 726,786
14 Claims. (Cl. 25—131)

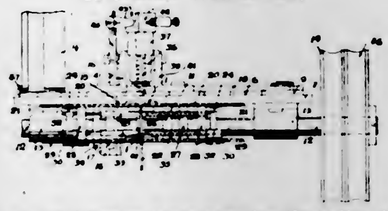


1. An adjustable form and the like comprising elongated frame members having longitudinally extending openings formed throughout the length thereof, yoke members adapted to engage said frame members and extend through said openings, means for clamping the yoke members upon said frame members, adjustable expansion means detachably engaging the yoke members, and means for pivotally connecting the adjustable expansion means to said yoke members.

2,004,463
PRODUCTION OF HYDRAULIC CEMENT
Gerald Otley Case, Sevenoaks, England, assignor, by mesne assignments, to Carbo Plaster Limited, Westminster, England
No Drawing. Application September 18, 1931, Serial No. 563,679. In Great Britain August 26, 1931
1 Claim. (Cl. 106—24)

Hydraulic cement comprising a dry granular mixture of ground calcium carbonate rock and a clinker derived from burning a mixture of calcium carbonate and aluminium silicate wherein the ground carbonate constitutes 85% by weight of the total mixture, said clinker being ground to British Portland cement standard of fineness and the added carbonate being ground to a degree of fineness not greater than that to which the clinker is ground and not sufficiently coarse to leave any appreciable residue on a 76 mesh per inch sieve, whereby on the addition of water a portion of the added carbonate in the ratio of 8 parts of carbonate to 1 part of that calcium oxide which on the addition of water is liberated from the tri-calcium silicate in the clinker, will combine with said calcium oxide, the remainder of said carbonate acting as an aggregate.

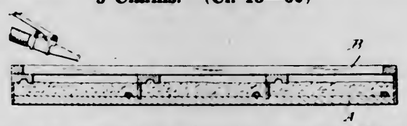
2,004,464
MACHINE OR APPARATUS FOR THREADING BUTTONS ON TO A WIRE OR WIRES OR THE EQUIVALENT
Vincent Joseph Clarkson, Leeds, England
Application March 31, 1934, Serial No. 718,527
In Great Britain April 6, 1933
11 Claims. (Cl. 29—84)



1, A machine or apparatus for threading buttons on to a wire or wires or the equivalent,

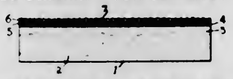
wherein the buttons are fed singly into a pocket or die the base of which is constituted by the upper one of two sets or pairs of superposed slides or shutters which alternately co-operate with the upper end or ends of the wire or wires or the equivalent to retain it or them in position to receive the buttons from said pocket or die.

2,004,465
CEMENT SHINGLE
Charles Dietrichs, Little Ferry, N. J., assignor to Walker Cement Products, Inc., Little Ferry, N. J., a corporation of New Jersey
Application February 26, 1930, Serial No. 431,445
5 Claims. (Cl. 18—60)



3. The method of forming cement shingles which comprises pouring a cement mixture of suitable consistency into a mold for shaping the under side of the shingle and then treating the upper surface of the same with an air blast to produce irregular undulations in the shingle surface, the cement mixture being sufficiently plastic to permit the formation of the undulations in the surface thereof under the influence of the air blast and yet sufficiently stiff to prevent the undulations from disappearing before the material hardens.

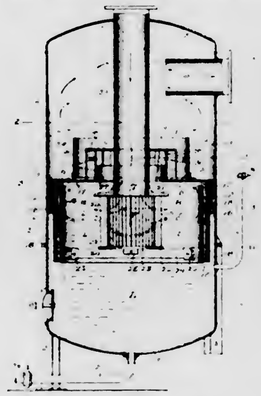
2,004,466
ABRASIVE
Joseph B. Dietz, Lansdowne, and Henry L. Plummer, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 28, 1931, Serial No. 533,538
10 Claims. (Cl. 51—280)



1. A flexible sheet of abrasive material comprising a base, abrasive material and a coating on said base comprised of a resinous mixed ester of polyhydric alcohol with polybasic acid and a mixture of fatty oil acids containing the acids of China-wood oil and the acids of a fatty oil other than China-wood oil.

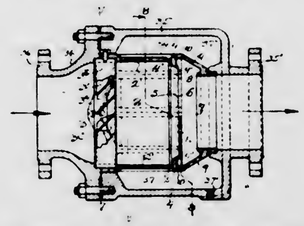
2,004,467
SCRUBBER
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1932, Serial No. 590,491
5 Claims. (Cl. 183—25)

2. The herein described scrubber, comprising a vertical drum having a gas outlet in its top, in combination with a floor containing a central gas passage and dividing the drum into upper and lower compartments, a drain belonging to the upper compartment and leading downward from the peripheral portion of said floor, a gas inlet nozzle extending downward through said passage and of less diameter, a bottomless whirl-promoting tuyère forming the terminus of said nozzle within said lower compartment, a cylindrical separating wall therein surrounding said tuyère and of greater diameter than said passage, the upper edge of said wall being spaced from the under side of said floor, a circumferential drain outward of said wall and leading downward from the under side of said floor, means adapted to maintain a stand of liquid within said drum and partly submerging said tuyère,



separating wall and drains, a tangentially bladed tuyère erected on the top of said floor in communication with said passage, and, a cylindrical separating wall erected on said floor between said bladed tuyère and the inner wall of the drum, substantially as and for the purposes described.

2,004,468
CENTRIFUGAL SEPARATOR
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 2, 1932, Serial No. 602,765
Renewed November 14, 1934
11 Claims. (Cl. 183—80)

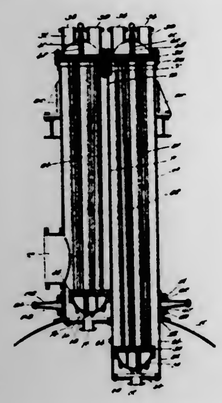


1. A centrifugal separator unit comprising a whirl promoting tuyère in combination with separating and eject chambers successively leading therefrom and having coaxial outlets of successively smaller sizes, and, said eject chamber having a relatively narrow annularly circumferential eject opening adjacent the end of said separating chamber, and distant from the smaller outlet.

2,004,469
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application November 13, 1929, Serial No. 406,770
Renewed November 12, 1934
8 Claims. (Cl. 257—34)

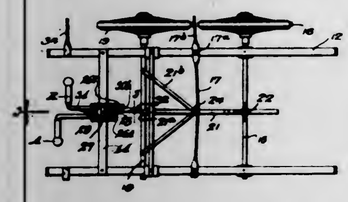
1. The combination with a distillation tower of a tubular condenser having a plurality of tube bundles, one of the bundles projecting downward-

ly into the upper portion of the tower and having provision for free communication between



the tower and the intertubular space surrounding the bundle.

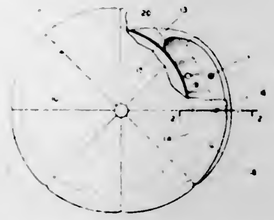
2,004,470
FOOT CONTROL FOR BABY CARRIAGES
James Michal, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill.
Application August 25, 1933, Serial No. 686,843
1 Claim. (Cl. 280—47)



A carriage having an axle, a gearing for shifting the latter forth and back, dual foot levers depressible individually for the control of said gearing to procure the respective axle movements, oppositely-swingable sectors operated by the gearing and carrying the respective levers, the action of the sectors raising either lever when the other is depressed, means fixedly attaching one lever and pivotally attaching the other lever to the sectors relating thereto, and a torsion spring coiled about the pivot and connected with its ends to said other lever and its sector respectively, the spring automatically raising the related lever from the depressed position when such lever is released.

2,004,471
ADJUSTABLE CAP VISOR
William H. David, Tottenville, Staten Island, N. Y.
Application June 8, 1934, Serial No. 729,581
3 Claims. (Cl. 2—10)

1. A cap comprising a crown and rim portion of flexible material, the crown portion including a forward projection, a fixed visor secured to the front edge of the rim, projecting forwardly therefrom, overlapped entirely by the forward projection and being relatively rigid and opaque, the fixed visor and forward projecting portion of the crown coacting to form therebetween a flat crescent-shaped pocket, a second adjustable eye-shading visor of transparent or translucent material having a similar crescent shape and of a size to fit completely in the pocket and having two operative positions, in one position contained entirely in said pocket and thus concealed from view so that the cap will appear to be of conventional construction and in the other position having its rear portion only contained in said pocket and its forward portion projecting beyond the



fixed visor to form at will a transparent or translucent edge forming an eye shade extending beyond the fixed visor, means within the pocket for selectively securing the adjustable visor in its two operative positions, said means comprising two sets of openings extending through the adjustable visor with one set in advance of the other and a set of snap fasteners, one for each opening of the sets and each of said fasteners having an element thereof secured to the fixed visor and its companion secured to the forward portion of the crown and adapted to be passed selectively through its associated opening in one of the sets.

2,004,472
PRODUCTION OF LEATHER
George R. Pensel, Amsterdam, N. Y.
No Drawing. Application May 29, 1931, Serial No. 541,122
4 Claims. (Cl. 149—3)

1. In the production of leather from skins pickled in strong acid of the pickle solution, the step comprising replacing the strong acid in said skins with acetic acid, and then converting the skins into leather by a formaldehyde tannage process.

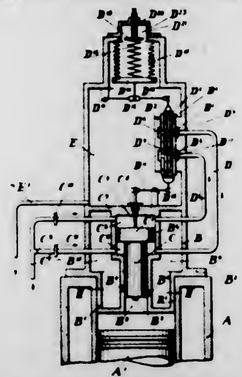
2,004,473
PRODUCTION OF LEATHER
George R. Pensel, Amsterdam, N. Y.
No Drawing. Application April 21, 1933, Serial No. 667,306
26 Claims. (Cl. 149—3)

1. In the process of producing leather from skins, the step of treating the pickled skins with a salt of a soluble organic acid, prior to tanning.

2,004,474
COMPRESSOR
Charles Schaer, Langenthal, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application January 9, 1934, Serial No. 705,907
In Switzerland January 14, 1933
19 Claims. (Cl. 230—21)

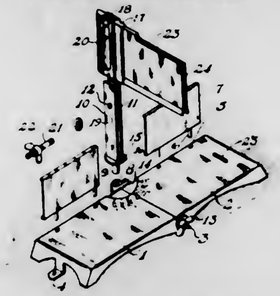
1. In a compressor, a compression chamber, a clearance chamber adjustable as to size and in communication with the compression chamber, additional fixed clearance chambers, piston valve

means for varying the first named chamber and for bringing the second named chambers into



communication successively with the compression chamber.

2,004,475
COLLAPSIBLE MITER BOX
Rudolph R. Seft, Brackenridge, Pa.
Application October 15, 1934, Serial No. 748,274
2 Claims. (Cl. 143—86)

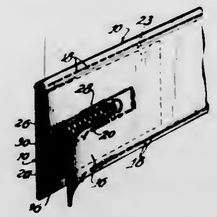


1. A collapsible miter box comprising a hinged base having a peripheral flange forming the side walls of a compartment when the base is folded, a bracket pivotally mounted on said base at the hinge portion thereof, a saw guide for said bracket slidably mounted thereon for vertical adjustment, means for securing the saw guide in adjusted position, means for securing the pivotal bracket in different angular positions relative to the hinged base, and a plurality of abutments removably mounted in the base member to engage one edge of the work for alinement with the saw guide, said bracket, guide and abutments being separately removable for disposition in the compartment formed by the base when folded.

2,004,476
DYEING OF TEXTILES
Fritz Barz, Albert Landolt, Wilhelm Geigy, Hans Kaegi, and Charles Graenacher, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application October 14, 1931, Serial No. 568,870. In Switzerland October 16, 1930
11 Claims. (Cl. 8—5)

1. A process for improving the fastness of dyeings produced on materials by means of water-soluble dyestuffs, which consists in subjecting the dyed material to an after-treatment with water-soluble salts of organic bases which bases are characterized by containing at least one basic nitrogen-containing residue and an aliphatic residue consisting of at least 10 carbon atoms.

2,004,477
APPAREL BELT
Irwin E. Mather, Chicago, Ill.
Application December 21, 1932, Serial No. 648,196
5 Claims. (Cl. 241—8)



1. An apparel belt comprising an outer band and an inner lining, said lining having a longitudinally extending slit formed intermediate the edges thereof, a slide fastener secured to said inner lining at said slit and adapted to hold the portions of said lining at said slit together, a sheet of flexible anti-friction surfaced material secured to the inner surface of said band adjacent said slit, and stitching securing the edges of said lining to the edges of said band.

2,004,478
POWER CONTROL SYSTEM
Benjamin W. Hamilton, Great Falls, Mont., assignor to S. Logan Kerr
Application August 27, 1931, Serial No. 559,665
19 Claims. (Cl. 171—119)

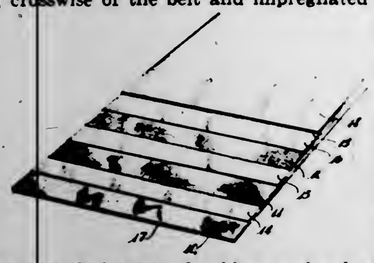


1. The combination in an alternating current system having a plurality of generating units, each unit having means for varying its input, means responsive to both frequency and load variations from predetermined values, and means controlled thereby for effecting actuation of said power input means to control both load and frequency.

2,004,479
TRANSMISSION BELT
Allan B. Merrill, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 24, 1933, Serial No. 695,020
4 Claims. (Cl. 74—232)

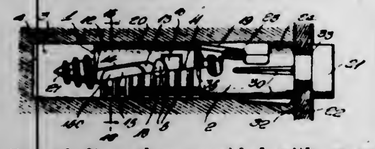
4. A transmission belt comprising a stiffening ply of duck formed with straight warp threads

laid crosswise of the belt and impregnated with



a resinous derivative of rubber, and a layer of rubber adhered thereto.

2,004,480
BOLT ANCHOR
Henry W. Pleister, Westfield, and John Karitzky, Garwood, N. J., assignors to Henry B. Newhall Corporation, Garwood, N. J., a corporation of New Jersey
Application October 9, 1934, Serial No. 747,612
12 Claims. (Cl. 85—2.4)



5. In a bolt anchor provided with means to engage with an expanding member, the anchor carrying means adapted to automatically increase the area of engagement between said first means and the expanding member as the bolt anchor is driven into a hole in which it is to be expanded, to prevent failure of the bolt anchor when an excessive load is placed upon it.

2,004,481
GARMENT SUPPORTING MEANS
Alexander Simpson, London, England
Application June 5, 1933, Serial No. 674,265
In Great Britain June 9, 1932
3 Claims. (Cl. 2—237)



1. A nether garment having a waist band, means for supporting said garment upon an individual in combination with frictional gripping means, said supporting means comprising an elastic webbing secured adjacent its ends to said waist band, said elastic webbing extending along a portion of said waist band and being of shorter length than the adjacent waist band section, said frictional gripping means comprising spaced patches of rubber attached to the inside of said garment at the level of said waist band whereby a shirt worn by an individual will not pull out from beneath said waist band.

2,004,482
BOOKBINDING
Morris Welfson, Brooklyn, N. Y.
Application December 18, 1933, Serial No. 702,926
2 Claims. (Cl. 281—25)

1. A book comprising a plurality of sections and front and back end sheets therefor having hinge strips, said sections and said hinge strips being united together at the binding edges thereof, separate front and back cover units having head and foot edges extending outside the marginal edges of said sections and said end sheets and adhesively secured to said front and back end sheets and said hinge strips, a plurality of wire staples extending through said sections said hinge



strips and said cover units adjacent the binding edges thereof, and a channel shaped backer mounted over said front and back cover units and covering said plurality of wire staples, said backer having end flanges bent around and in compressed engagement with the extended edges of said front and back cover units for retaining said backer in position with relation to said cover units as aforesaid.

2,004,483
TREATMENT OF ALLOYS
Edmund F. Bainbridge, Albany, N. Y.
No Drawing. Application January 7, 1930, Serial No. 419,211
1 Claim. (Cl. 148—16)

The method of preventing pits and scores in a finished product made from an alloy containing chromium which comprises heating the alloy to a hot-working temperature between 1600° F. and 2500° F. adapting it to be rolled or forged, maintaining about the alloy throughout the heating thereof within said temperature ranges an atmosphere substantially free of carbon particles by supplying oxygen to said atmosphere in quantities sufficient to combine with any carbon particles in said atmosphere but not enough to decarburize the alloy substantially, removing the alloy from the heat when the desired working temperature has been reached, and thereafter hot-working it.

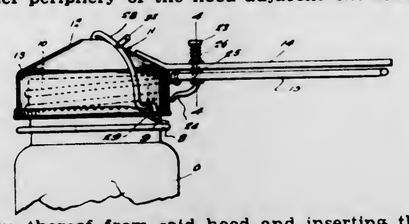
2,004,484
STENCIL SHEET AND METHOD OF MAKING THE SAME
Louis G. Brandt, Portsmouth, Va., assignor to The Multistamp Company, Inc., Norfolk, Va., a corporation of Virginia
No Drawing. Application May 3, 1932, Serial No. 609,046. Renewed November 15, 1934
9 Claims. (Cl. 41—38.6)

1. A stencil sheet comprising a sheet of Yoshino paper coated with a composition comprising coagulated, water-resistant gelatin, soap and an oil, present in the following approximate proportions by weight: 13:42:56, respectively.

2,004,485
FRUIT JAR TOOL
Philip Robert Brause, West Union, Iowa
Application August 23, 1934, Serial No. 741,165
3 Claims. (Cl. 81—3)
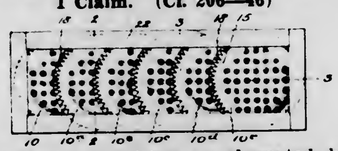
1. A gasket tool for fruit jars comprising a hood adapted to be placed in position over the neck of a jar with the jar cap in a loosened position and spaced from the abutting flange of the jar, and

means for removing a rubber gasket placed on the outer periphery of the hood adjacent the lower



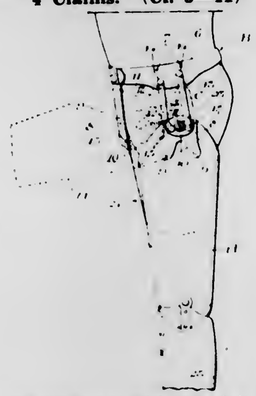
edge thereof from said hood and inserting the same between the cap and flange.

2,004,486
TEA-BAG PACKAGE AND CARTON
Simon Cooper, Brooklyn, N. Y., assignor to Cooper Tea Packet Company, Brooklyn, N. Y., a corporation of New York
Application February 16, 1934, Serial No. 711,461
1 Claim. (Cl. 206—46)



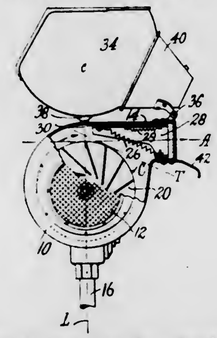
A package comprising an elongated box, a plurality of tea-bags along the bottom of said box in one space, the tea-fillings being centered and closely juxtaposed and the marginal portions of the envelopes of successive tea-bags lapping the mid-portions containing the tea-fillings of adjacent tea-bags, and a transparent wrapper extending across said lapped tea-bags and around the box and pressing the tea-bags upon the bottom of said box, said box having at its sides up-standing portions of less height than the high-portions of the series of lapped tea-bags and confining said series at the sides, and said up-standing portions having inwardly projecting portions overlying the margins of said series of tea-bags at the sides.

2,004,487
PELVIC ATTACHMENT FOR ARTIFICIAL LEGS
George Dorsch, New York, N. Y.
Application August 17, 1933, Serial No. 685,540
4 Claims. (Cl. 3—11)



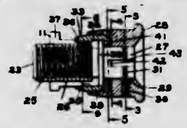
1. The combination with a pelvic belt and an artificial leg, of a rocker mounted on the outer side of the upper leg section, and front and back links pivotally connecting said rocker to the belt and of a length to cause the rocker to move with the leg when worn, said links having their axes on the rocker beyond the respective sides of the rocker axis, and the front link being shorter than the back link, whereby the rocker is oscillated during the movement of the leg.

2,004,488
DRIER
John E. Kelley, Larchmont, N. Y.
Application April 29, 1933, Serial No. 668,546
1 Claim. (Cl. 219—39)



A drier of the character described comprising a fan casing, a rotary fan in said casing, a tangential delivery-tube, an electrical heating element, a diagonally sliced tube in which said heating element is mounted, said heating element and sliced tube extending over said fan for a substantial portion of its length diagonally across said delivery tube from a point adjacent the inner end of said tube to a point at the top of said casing adjacent a point directly over the axis of the fan.

2,004,489
TELESCOPE SIGHT MOUNTING
Frederick A. Kuhn, Meriden, Conn., assignor to The Lyman Gun Sight Corp., Middlefield, Conn., a corporation of Connecticut
Application October 18, 1932, Serial No. 638,307
14 Claims. (Cl. 33—50)



1. A mounting for telescope sights comprising a frame, a boss on said frame, a sleeve telescoped over said boss, means for limiting the movement of the sleeve on the boss to a direction axial of said boss, a screw threaded in the boss and extending through the sleeve and means on said screw cooperating with the sleeve for varying the resistance to manual rotation of the screw at predetermined amounts of rotation.

2,004,490
NECKWEAR
Albert Thomas Lapham, London, England
Application June 22, 1933, Serial No. 677,007
In Great Britain June 29, 1932
1 Claim. (Cl. 2—146)

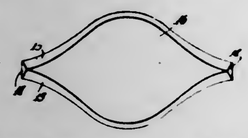
A necktie comprising folded end pieces and a connecting neckband section, said end pieces being

of the same form and dimensions and each cut on the bias, an interliner for each end piece, said interliners also being cut on the bias, and an elastic



reinforcing member extending longitudinally of the necktie, said elastic reinforcing member being positioned and secured between the interliners and the rear folds of the end pieces.

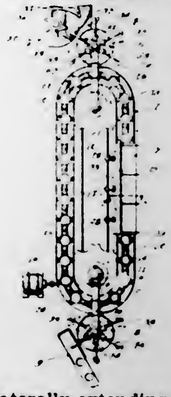
2,004,491
PIPE BEND
Eugene G. Luening, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application August 2, 1933, Serial No. 683,265
1 Claim. (Cl. 137—75)



As an article of manufacture, a pipe fitting formed from a sheet bent to approximately a sector of a circle with the junction line forming a slit at approximately the center of said circle, whereby said bend may be expanded or contracted when welding the ends thereof to pipe sections and the like, with the walls of the slit adapted to be welded together along said slit at the same time.

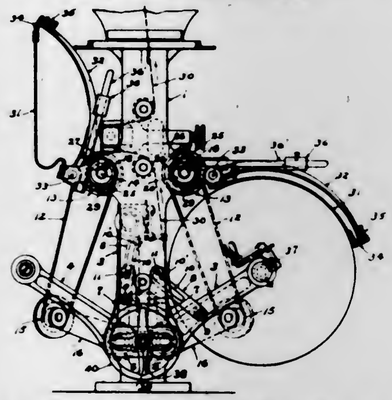
2,004,492
VESSEL HANDLING AND FINISHING DEVICE
William L. McNamara and Louis P. Piazzoli, Jr., Connellsville, Pa., assignors to Capstan Glass Company, Connellsville, Pa., a corporation of Delaware
Application June 5, 1929, Serial No. 368,620
28 Claims. (Cl. 198—22)

1. In a vessel transferring device of the class described, the combination of a rotary device having a plurality of arms thereon, vessel engaging suction heads on said arms for engaging the side of a vessel, means for moving said arms at a predetermined point in their movement to engage the side wall of a vessel, means for rotating the vessel engaging heads to invert the vessels and means for lowering said arms at a predetermined point in their movement for disengaging said vessels, valve members on said arms for controlling the suction effective on said suction



heads, and a laterally extending arm for engaging and operating said valve members.

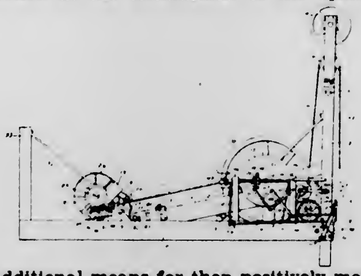
2,004,493
REEL SUPPORTING MECHANISM FOR USE IN PRINTING MACHINES
Cecil George Quick, Donald Arthur Ball, and Thomas Richard Bennett, London, England, assignors to Irving Trust Company, permanent trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 25, 1933, Serial No. 658,542
In Great Britain February 29, 1932
15 Claims. (Cl. 242—58)



4. A web roll supporting mechanism for use with a printing machine, comprising a pair of arms angularly movable about a common axis, operating means to rock said arms simultaneously, and a connection whereby one of said arms may be rocked independently to permit the endwise insertion of a web roll to a mounting position.

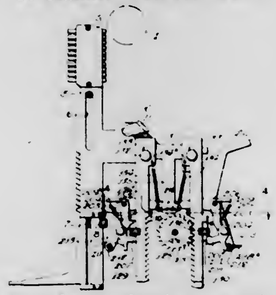
2,004,494
WELL DRILLING APPARATUS
Esta I. Shoe and Forrest C. Landis, Pleasant Hill, Ohio
Application April 26, 1933, Serial No. 668,084
17 Claims. (Cl. 255—11)

1. In a well drilling apparatus having a cable suspending a drilling bit within the bore of the well, a rocker arm cooperating with the cable for reciprocating the cable to provide impacts of the bit against the bottom of the bore of the well, a driving member, and a releasable driving connection between said driving member and said rocker arm for oscillating said rocker arm comprising means for moving the rocker arm to provide an upstroke to the cable and bit, said means having provisions for releasing its driving connection at the termination of the upstroke,



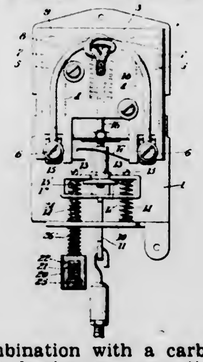
and additional means for then positively moving the rocker arm in the opposite direction at a rate faster than the initial part of the resulting gravity fall of the bit and cable to thereby provide slack in the cable to give a substantially free gravity fall of the bit on the cutting stroke, and means providing rebound of the rocker arm at the end of its cutting stroke, said releasable connection enabling said rocker arm to move away from the driving connection on said rebound to impart a sharp upward jerk on the cable and bit.

2,004,495
TRANSFER MECHANISM
Oscar J. Sundstrand, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application October 25, 1923, Serial No. 670,665. Divided and this application May 6, 1933, Serial No. 669,633
10 Claims. (Cl. 235—137)



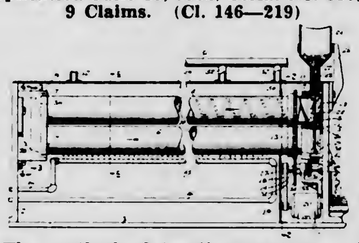
1. In a transfer mechanism, a spring-actuated rack having a lug thereon, a pivoted pawl adapted to support said lug against the pressure produced by the rack, said pawl being so pivoted with relation to the point of application of the pressure of the rack as to tend to swing out of supporting relation to the rack, a dog pivoted on said pawl and having a tooth, a part against which said tooth is adapted to engage, a pinion carrying a projection arranged to disengage said tooth from said part, and a spring attached to said dog and serving to draw the dog rearwardly and assisting to swing the pawl out from under said lug when said tooth is disengaged from said part.

2,004,496
SEWING MACHINE MOTOR CONTROLLER
Henry L. Zabriskie, Westfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 8, 1932, Serial No. 585,409
4 Claims. (Cl. 201—51)



1. The combination with a carbon compression rheostat having an operating draw-bar movable in one direction by the operator to decrease the electrical resistance thereof, of an initially disengaged stop-screw disposed in the path of and adjustable in the direction of movement of said draw-bar, and spring means permitting said stop-screw to be yieldingly engaged by said draw-bar in the resistance decreasing movement of the latter.

2,004,497
METHOD OF TREATING CACAO BEANS
James J. Bajda, South Orange, N. J.
Application June 18, 1932, Serial No. 617,989
9 Claims. (Cl. 146—219)



4. The method of treating raw cacao beans which consists in first thoroughly refrigerating the beans including the nib material thereof, subjecting the refrigerated beans to a temperature of from about 435 degrees F. to about 570 degrees F. for a period of from about two minutes to about six minutes, and then removing the outer shells of the beans.

2,004,498
PRODUCING COLUMBIUM ALLOYS
Frederick M. Becket, New York, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application April 11, 1934, Serial No. 720,071
17 Claims. (Cl. 75—17)

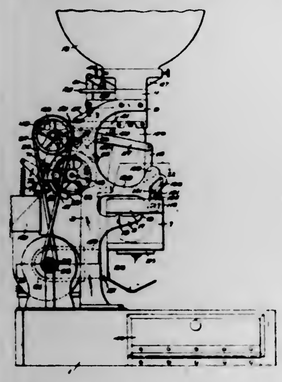
1. Process for producing alloys of columbium from material containing oxides of columbium and tantalum, which comprises the step of selectively reducing the said columbium oxide in preference to the tantalum oxide by reacting said material with silicon.

2,004,499
PATTERN MAKER'S TOOL
Julius E. Blumberg, Boston, Mass.
Application May 16, 1933, Serial No. 671,352
2 Claims. (Cl. 33—41)



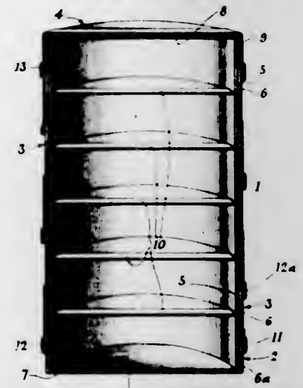
1. A tool of the class described comprising a handle, a shank extending from the handle, a tracing wheel rotatably mounted on the end of the shank, and a supporting element connected to the shank between the tracing wheel and the handle, said supporting element being arranged to cooperate with the tracing wheel and normally tending to hold the handle at a predetermined angle in relation to a plane over which the wheel is being moved.

2,004,500
COOKING MACHINE
Eugene A. Brunelle, Somersworth, N. H.
Application May 6, 1932, Serial No. 609,664
8 Claims. (Cl. 53—7)



1. A machine of the character described having, in combination, a container for cooking liquor, a movable basket for holding the articles while being cooked in said liquor, a hopper for the articles to be cooked, article feeding means for delivering measured quantities of the articles from said hopper to said basket comprising article discharge means from said hopper and article delivery means to said basket, a rotary exhauster for removing the fumes from said liquor, a motor, a common shaft for said motor and exhauster, a second shaft, a reduction gear connection between said shafts, and cam means on said second shaft for moving said basket and for operating said article discharge and article delivery means.

2,004,501
CONTAINER
Edward W. Curtis, Jr., Harrison, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 11, 1933, Serial No. 693,061
5 Claims. (Cl. 229—6)



1. A container including interfitting sections and a sealing strip secured externally to a section and extending between two sections to seal the contents of one section and to support the contents of another section.

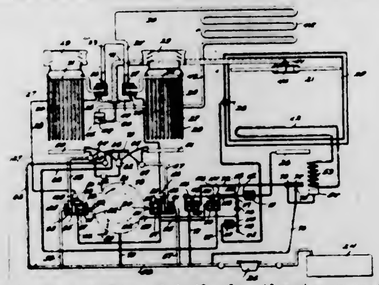
2,004,502
OVERFLOW DETECTOR
Charles A. Fieberling, Oakland, Calif., assignor of one-half to John H. Kimball, Berkeley, Calif.
Application April 22, 1933, Serial No. 667,400
5 Claims. (Cl. 116—118)



4. An overflow indicating attachment for a liquid containing tank having an overflow outlet, comprising a thimble formed for removable fitting to said outlet, and a body of diffusible material carried by said thimble in a position to be diffused in the liquid flowing through said outlet without obstruction thereto, said material being of a nature to impart a readily discernible quality to said liquid when diffused therein.

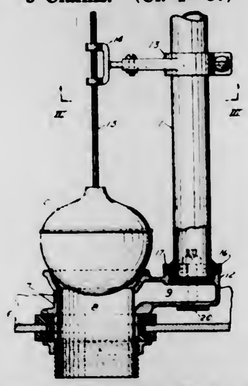
2,004,503
CONTROL APPARATUS FOR REFRIGERATION MACHINES
George E. Hulse, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application November 24, 1930, Serial No. 497,879
36 Claims. (Cl. 257—8)

1. The method of maintaining a substantially constant temperature within a compartment comprising controlling the selection of cooling apparatus by the temperature without the compartment, controlling the operation of the cooling apparatus by the temperature within the compartment, and controlling the selection of



heating apparatus jointly by the temperatures within and without the compartment.

2,004,504
FLUSHING TANK
Thomas A. Lyons, Pittsburgh, Pa.
Application March 5, 1935, Serial No. 9,372
5 Claims. (Cl. 4—57)



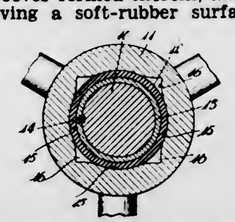
1. The combination with flushing apparatus having a main discharge conduit, and an extension provided with an overflow passageway and an inlet opening, of an overflow pipe having a collar adjacent to its lower end, and a clamping device for rigidly drawing said collar into engagement with the said extension, with the lower end of the pipe positioned to discharge into the said overflow passageway.

2,004,505
PRIMING MIXTURE
Joseph D. McNutt, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
No Drawing. Application August 30, 1932, Serial No. 631,102
11 Claims. (Cl. 52—2)

10. A priming mixture for ammunition primers comprising guanylnitrosoaminoguanyltetrazene and lead azide.

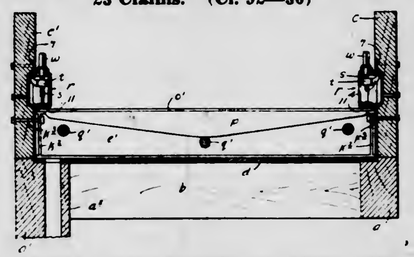
2,004,506
RESILIENT SHAFT JOURNAL AND BEARING THEREFOR
Lucian Q. Moffitt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 6, 1934, Serial No. 714,236
14 Claims. (Cl. 308—238)

1. The combination of a shaft member and a bearing member therefor, one of said members having a rigid bearing surface interrupted by lubricant grooves formed therein, and the other member having a soft-rubber surface for co-



operating therewith, the grooved rigid surface and the soft-rubber surface being constrained to have relative rotation in the normal operation of the assembly.

2,004,507
FLAT SCREEN FRAME
Joseph J. Moravec, Washougal, Wash.
Application June 27, 1934, Serial No. 732,686
23 Claims. (Cl. 92—30)



1. A flat screen assembly comprising adjacent rectangular all metal sections, each composed of sides, ends, a transverse middle bar, and screen plates, said middle bar being spaced from the bottom of the frame, the middle bar provided with a locking head for engaging adjacent screen plates, means for connecting the opposed sides of adjacent frame sections so spaced as to receive a screen plate lock-bar between them, a screen plate lock-bar adapted to be inserted between said opposed frame sides, said lock-bar provided with a head adapted to engage the sides of adjacent screen plates, and means for securing said lock-bars in place.

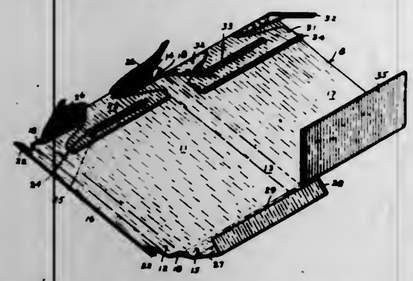
2,004,508
PROCESS FOR THE MANUFACTURE OF PRINTING ROLLERS
Curt Neubert, Giersdorf, near Hirschberg, Germany
No Drawing. Application December 31, 1931, Serial No. 584,288. In Germany January 8, 1931
2 Claims. (Cl. 106—23)

1. The process of making printing rollers including the steps of mixing substantially one part concentrated aqueous caoutchouc dispersion one part gelatinous substance and two parts glycerine, coagulating the mixture, and vulcanizing the coagulate.

2,004,509
SUIT BOX
Octavia E. Phillips, Santa Clara, Calif.
Application September 15, 1934, Serial No. 744,182
5 Claims. (Cl. 206—7)

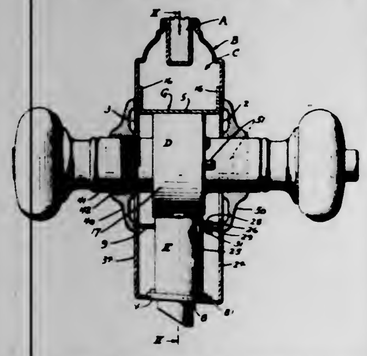
1. A one-piece suit box having a bottom wall and side walls and end walls, a suit hanger flap

extending integrally from the top edge of a said wall and laterally shaped for engagement in the shoulder-receiving portions of an upper garment



and provided with a pants-receiving slot thereacross, and an integral flange extending from the lower slot edge and transversely from the plane of the flap.

2,004,510
METAL DOOR REENFORCEMENT AND LOCK MOUNTING
Walter E. Schlage, San Francisco, Calif., assignor to Schlage Lock Co., San Francisco, Calif., a corporation of California
Application June 14, 1932, Serial No. 617,118
20 Claims. (Cl. 70—16)



1. In a door structure of the character described a latch bolt unit insertable through an opening in the edge of the door, and interlocking means formed between the latch bolt unit and the door structure, said means adapted to interlock by rotation of the latch bolt unit.

20. In a door having a hollow metal stile a door lock insertable through an opening formed in the stile, and a lock securing device within the stile comprising means whereby a connection is formed between the lock and the stile upon insertion of the lock, said connection retaining the lock against removal from the stile.

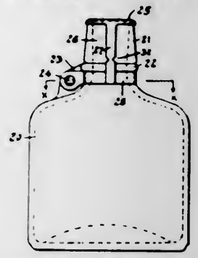
2,004,511
UNDER ARM PROTECTOR
George H. Souther, Jr., Columbiaville, N. Y.
Application June 23, 1933, Serial No. 677,215
8 Claims. (Cl. 2—53)

1. As an article of manufacture, an under arm protector, comprising a filler of superimposed layers of absorbent material, and an interposed layer of moisture proof material folded upon itself transversely thereof to form pleats, whereby the protector is capable of being folded longi-



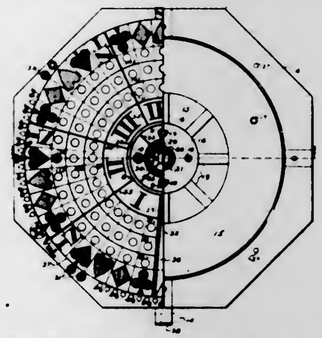
tudinally along an outward curve to fit to the arm pit in any position of the arm.

2,004,512
NONRESEALABLE CONTAINER
Howard R. Stewart, Los Angeles, Calif., assignor of one-third to Lewis D. Collings, Los Angeles, Calif.
Application February 27, 1934, Serial No. 713,111
3 Claims. (Cl. 215—94)



1. A non-resealable glass container having a lug or lugs integrally molded thereon, trunnions molded on said lug or lugs, a metallic cage adapted to cover the top of the said container, said cage having breakable metallic elements assembled over and inseparably secured to said lug or lugs by means of glass rivet heads integral with said lugs.

2,004,513
BRIDGE BIDDING MACHINE
Frederick B. Watkins, Los Angeles, Calif.
Application June 19, 1931, Serial No. 545,543
15 Claims. (Cl. 273—148)

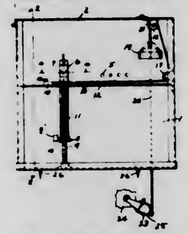


1. A bridge bidding board having several separate bid and pass indicators each operable at will to indicate bids and passes, and means in association with said board operated by an indication of a bid to remove all previously made indications of passes.

2,004,514
LACQUER ENAMEL
Henry W. Battle, Jr., Louisville, Ky.
No Drawing. Application December 21, 1932, Serial No. 648,212
17 Claims. (Cl. 134—79)

1. In a process for producing a black lacquer enamel involving the incorporation of black stock in a suitable solvent, the improvement which comprises employing black stock formed by milling a mixture comprising an insoluble black pigment, a cellulose ester, a medium capable of rendering the cellulose ester plastic, and an agent soluble in said medium and capable of functioning during the milling operation to so alter the physical characteristics of the pigment as to cause it to be maintained substantially uniformly dispersed in the lacquer enamel produced, thereby to form a substantially non-settling product of improved blackness.

2,004,515
TIME RELEASE APPARATUS
Peter Beghetti, San Francisco, Calif.
Application December 14, 1932, Serial No. 647,110
5 Claims. (Cl. 161—1)



1. Time release apparatus comprising a ventilated box, a candle support therein, means engaging the candle to prevent deflection thereof, a device engaging around the candle, a weight, means connected to said device suspending said weight in a manner to drop the weight when the candle burns to the device, and means operated by the falling weight for doing work at a remote point.

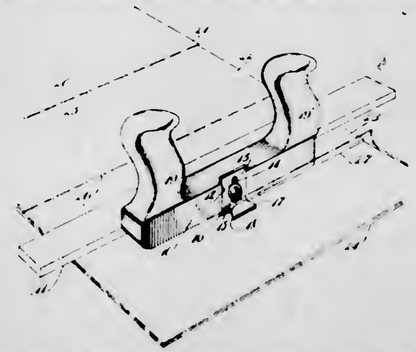
2,004,516
CENTRIFUGAL FLUID MOVING APPARATUS
Harold F. Hagen, Dedham, Mass., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.
Application July 5, 1934, Serial No. 733,783
17 Claims. (Cl. 230—115)



1. A combined radial and centrifugal fan blade having a substantially flat main working surface and a curved inlet portion shaped to direct air axially along said main surface, said curved portion having substantially a conoidal surface.

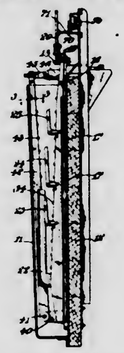
2,004,517
TOOL FOR PREPARING LAMINATED FABRICS FOR SPLICING
Otto F. Homeier, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 28, 1932, Serial No. 635,150
1 Claim. (Cl. 164—83)

A tool for cutting and separating a face ply from an article formed of laminated sheet material, said tool comprising a body adapted to be propelled across the face of the article along a guide and having a lateral face of such substantial area as to follow said guide without substantial effort of the operator and an extensive bottom face of such extent as to provide stability of support from the face of the article, a pair of handles projecting from said body near the respective ends thereof, and a vertically disposed cutter adjustably attached to the body at a position between said handles and adapted to split a ply therefrom and to lift the ply at one side



only of the cut, said cutter being formed with an integral plough extending laterally therefrom on one side only of the cutter and having a flat lower face and bevelled on the upper side to provide a dull ply separating edge at said lower face, said cutter having a vertical slitting edge extending as far from the body as the lower face of the plough and located in advance of the ply separating edge thereof so as to slit the ply in advance of the plough, said plough extending away from the cutter in such a direction as not to be covered by the body and to permit lifting of the ply on one side of the cut.

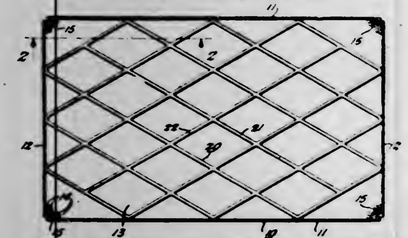
2,004,518
MANUFACTURE OF SAFETY GLASS
Cyril Wilfred Bonniksen, Slough, England, assignor to Protectoglass Limited, London, England, a British company
Application September 23, 1933, Serial No. 690,759
In Great Britain June 4, 1932
10 Claims. (Cl. 49—81)



1. Apparatus for the manufacture of safety glass comprising a laminating bath, a vertically movable cradle to receive sheets of glass having an interposed mass of plastic material and to

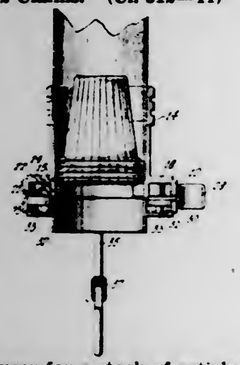
hold them in a non-horizontal position, means for lowering the cradle gradually into the liquid bath, and a leaf arranged for cooperation with the cradle and between which the glass sheets are located, which leaf is movably mounted so that it may be caused to approach the cradle after immersion of the glass and press the glass sheets together.

2,004,519
FLEXIBLE METAL ICE TRAY
Ralph H. Chilton, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1934, Serial No. 737,181
9 Claims. (Cl. 62—108.5)



1. A freezing tray comprising: a flexible sheet metal pan having flexible corrugations in the metal side walls of said pan at the corners thereof which permit an outward movement of said side walls when said pan is filled with ice.

2,004,520
DISPENSER
Eugene Conti, Mount Vernon, N. Y., assignor, by mesne assignments, to Herz Cup Company, Incorporated, New York, N. Y., a corporation of New York
Application July 13, 1933, Serial No. 680,171
2 Claims. (Cl. 312—44)

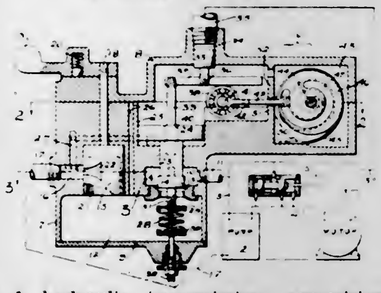


2. A dispenser for a stack of articles, comprising in combination, a tubular guideway for the articles, a plurality of dispensing devices disposed circumferentially around said guideway, a plate-like ring for operating said devices, an outer tubular wall retaining said ring, said wall and the exterior portion of said guideway being provided with ledges forming an upper bearing for said ring, and a spring secured at one end to the lower surface of said ring and at the other end to a fixed support above the level of the lower surface of the ring whereby to urge the ring circumferentially and upward.

2,004,521
CATALYTIC DEHYDRATION
Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, and Ernst Ober, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 1, 1931, Serial No. 527,052. In Germany April 9, 1930
5 Claims. (Cl. 260—171)

1. A process for the production of butadiene by catalytic dehydration of 1,3-butylene glycol by the action of heat, which comprises heating said 1,3-butylene glycol to a temperature of between 270° and 280° C. in the presence of a dehydration catalyst in the form of a coherent layer on the source of heat.

2,004,522
SPEED CONTROLLER FOR HYDRAULIC MOTORS
James K. Douglas, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1932, Serial No. 633,750
20 Claims. (Cl. 60—53)

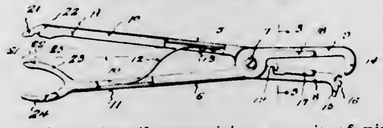


1. A hydraulic transmission, comprising a hydraulic motor for carrying a variable load, a pump for delivering motive liquid to said motor to operate the same and having with said motor a combined slip which varies in accordance with the variations in the pressure created by said pump in response to variations in said load, and means for subtracting liquid from the output of said pump at a predetermined volumetric rate at a predetermined pump pressure and responsive to variations in pump pressure to vary said volumetric rate inversely to said variations in pump pressure.

2,004,523
AMINOCARBOXYLIC ACIDS AND SALTS THEREOF
Reinhold Fick, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 13, 1932, Serial No. 646,977. In Germany December 31, 1931
5 Claims. (Cl. 260—112)

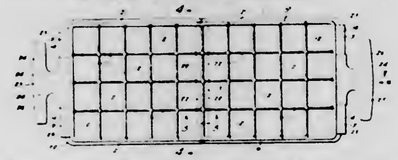
1. In the production of aminocarboxylic acids and salts thereof by a condensation of an aldehyde with ammonium cyanide and subsequent saponification of the resulting aminocarboxylic acid nitrile, the step which comprises carrying out the said condensation at a temperature between about 5° below zero centigrade and about 25° C. in the presence of a quantity of free ammonia corresponding at least to that present in the combined state in said ammonium cyanide and saponifying the aminocarboxylic acid nitrile in the resulting ammoniacal solution with an alkali metal base.

2,004,524
HOUSEHOLD TOOL
John P. Foeckler, Sr., Milwaukee, Wis.
Application June 30, 1934, Serial No. 733,255
1 Claim. (Cl. 294—3)



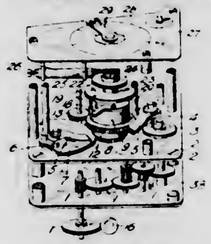
A kitchen utensil comprising, a pair of pivotally connected crossed levers, a right-angularly extending jaw formed on the forward end of one lever, an angularly extending jaw formed on the forward end of the other lever, said last mentioned jaw being provided with a transversely extending groove, and auxiliary flat jaws formed on the levers intermediate the pivotal connection of the levers and the first mentioned jaws, said auxiliary jaws projecting laterally beyond the levers and having their inner faces provided with longitudinally and transversely extending grooves, all of the grooves of the jaws being adapted to receive the wires of wire oven and broiler racks.

2,004,525
FREEZING TRAY
Harvey D. Geyer and Frederick W. Sampson, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 25, 1931, Serial No. 577,250
6 Claims. (Cl. 62—108.5)



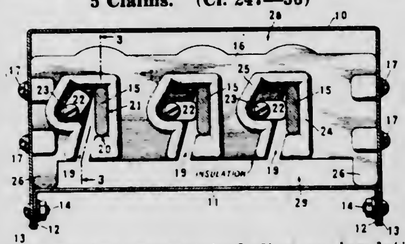
6. In combination, a molded flexible rubber freezing tray and a metal support therefor attached thereto at its two upper end portions and its lower central portion, said combined rubber tray and metal support being capable of a substantial endwise bending movement, whereby to facilitate the upward flexing of the central portion of said tray.

2,004,526
PREPAYMENT METER MECHANISM
Robert Constantine Graseby, New Malden, England
Application January 4, 1934, Serial No. 705,293
In Great Britain January 12, 1933
7 Claims. (Cl. 194—3)



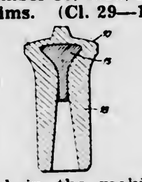
1. For a prepayment meter mechanism having means for collecting a "fixed" charge including a time motor, and a supply-control means, means for connecting the time motor with the supply-control means comprising a pair of free-wheel clutches whose members are similarly disposed (when viewed from one and the same direction) and are in such frictional engagement that they move together, even in the free-wheeling direction, unless one member is held, mechanism for operatively connecting the time motor with one member of one of the clutches and adapted for imparting thereto a rocking movement with a constant stroke, stop means for restricting the stroke of rocking movement of the corresponding member of the other clutch, means for adjusting said stop means, and means for connecting the other members of the clutches together and to the supply-control means, the latter thereby receiving the restricted stroke in the one direction and the full constant stroke in the other direction.

2,004,527
ELECTRICAL CONDUCTING SYSTEM
Frank Harvey, Covington, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application July 31, 1933, Serial No. 682,998
5 Claims. (Cl. 247—36)



1. A bus bar support including an insulating cross bar adapted to be secured in a metal conduit and having a plurality of angular slots opening in one edge of the cross bar for receiving bus bars and each of said slots terminating in a recess having a relatively vertical side wall and a shoulder and a clamping device adjacent each of said vertical side walls for clamping the bus bar located therein against said side walls and definitely positioned with respect to said shoulder, said bar having means at each end for connection to said metal conduit.

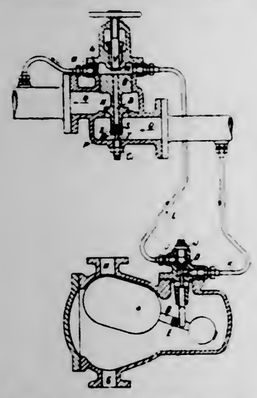
2,004,528
METHOD OF MAKING VALVES
Oscar Hedlund, Battle Creek, Mich., assignor to Wilcox-Rich Corporation, Detroit, Mich., a corporation of Michigan
Application December 30, 1933, Serial No. 704,627
6 Claims. (Cl. 29—156.7)



1. The method in the making of a poppet valve comprising forming of valve material an integral hollow part closed at one end, heating said part, forming an insert of a material of lower melting point than the valve material and having a head at one end thereof of larger di-

ameter than the remainder of the insert, applying the insert within the heated part so the head of the insert is applied to the closed end of said part, and forming the valve material around the insert while the insert is in solid form.

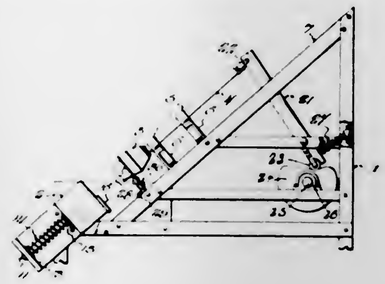
2,004,529
LIQUID LEVEL REGULATOR
Harold Hillier, Catheart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland, a corporation of Great Britain
Application September 30, 1933, Serial No. 691,723
In Great Britain October 25, 1932
13 Claims. (Cl. 137—101)



10. A feed water regulator for steam generators, comprising, in combination, a main valve interposed in the feed line to the generator, said valve exposed on the under side to the feed discharge pressure acting on said under side in the direction to unseat said main valve, piston means moving with said main valve and having a total effective area exceeding the area of said main valve, chamber means accommodating said piston means, an inlet connection to said chamber means from a point of the feed line upstream of said main valve, a discharge connection from said chamber means to a point of the feed line downstream of said main valve, a float-operated valve remote from said main valve and responsive to changes of water level in the generator, a needle valve dependent for its operation on the movement of said main valve and piston means, said needle valve controlling said inlet connection, and piping connecting the feed line to said chamber means and controlled by said float-operated valve.

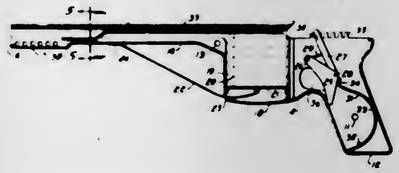
2,004,530
APPARATUS AND METHOD FOR FORMING EDIBLE RECEPTACLES
Charles W. Howe, Milwaukee, Wis., and John A. Nevin, Wichita, Kans.; said Howe assignor to said Nevin
Application June 21, 1933, Serial No. 676,848
4 Claims. (Cl. 107—15)

1. An apparatus of the class described comprising, an angularly disposed female die provided with a tapered recess having a flat bottom and a vertical opening in said die communicating with the lowermost portion of said recess for the discharge of particles therefrom, a male die cooperating with the female die to form a container from a pliable blank of dough, means positioned in said recess for automatically ejecting the container therefrom upon retraction of the male die, said ejecting means serving to close said open-



ing when depressed in said die, and yieldable means for subsequently embracing the side walls of the male die to strip the container therefrom.

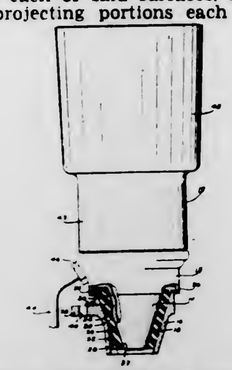
2,004,531
REPEATING TOY GUN
Charles H. Leonard, Detroit, Mich.
Application April 12, 1933, Serial No. 665,697
5 Claims. (Cl. 124—14)



1. A repeating elastic band gun including a barrel having a bore therein and also having a slot intersecting the bore and extending to a point short of its front extremity, a magazine adapted to contain a plurality of projectiles, means for successively feeding projectiles from the magazine into the bore of the barrel, a plurality of elastic bands, means generally behind the barrel for maintaining the bands stretched to different positions therebehind, means farther forward and clear of the bore for retaining the front ends of the bands, the bands being arranged to travel in the slot and engage and project a projectile in the bore when released, a trigger, means connected to the trigger for independently releasing the bands upon successive actuations of said trigger and a receiving portion clear of the bore and connected to the slot for holding relaxed bands.

2,004,532
RESILIENT MOUNTING
Clyde W. Mapes, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 15, 1933, Serial No. 671,062
2 Claims. (Cl. 248—26)

2. In a resilient mounting for a motor, the combination comprising, a resilient member having substantially coaxial conical inner and outer surfaces, and integrally formed portions projecting from each of said surfaces, said integrally formed projecting portions each having three



faces defining planes that are substantially parallel to the axis of said conical surfaces.

2,004,533
AUTOMATIC STOKER AND CONTROL THEREFOR
Walter A. Maynard, Cleveland Heights, Ohio
Application March 20, 1933, Serial No. 661,719
3 Claims. (Cl. 60—52)

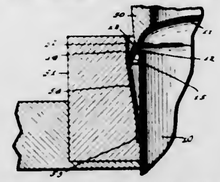


1. In a hydraulic control system including a source of fluid under pressure and a plurality of reciprocable members operated by said fluid under pressure, a distributing valve comprising a casing having a plurality of outlets communicating with said members, a rotatable plug within the casing having an opening in constant communication with said fluid source and progressively with said outlets as the plug is rotated, said plug having a discharge opening for simultaneous communication with another of said outlets to relieve pressure on one side of one of said reciprocable members while fluid under pressure is delivered to said one member in an opposite direction, and hydraulically operated means for rotating said valve, said last named means being responsive to variations in pressure on the fluid in said system.

2,004,534
SEPARATION OF METALS
Carl Müller, Mannheim, Leo Schlecht, Ludwigshafen-on-the-Rhine, and Emil Keunecke, Oppau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 10, 1932, Serial No. 637,200. In Germany February 24, 1927
14 Claims. (Cl. 23—203)

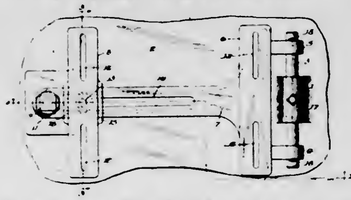
2. The process for the separate recovery of base metals capable of forming metal carbonyls from a material containing at least two of such metals, which comprises acting on said material, while the same contains the said metals in a form capable of reacting with carbon monoxide, with carbon monoxide under conditions causing reaction of each of said metals, thereby forming the carbonyl compounds of said metals simultaneously, and "fractionating" the resulting carbonyl mixture.

2,004,535
PROCESS OF MAKING LOCK-SEAMS
Quintin G. Noblitt, Indianapolis, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application January 9, 1933, Serial No. 650,761
5 Claims. (Cl. 113—121)



2. The process of securing together a sheet-metal tube and a cap for one end thereof, which comprises separately forming on the end of the tube and at the edge of the cap complementary flanges, the flange on the cap being wider than the flange on the tube, bringing the cap and tube together with said flanges in engagement and the rim of the cap-flange projecting outwardly beyond the flange on the tube, folding the projecting rim of the cap-flange inwardly beneath the tube flange, compressing the seam thus formed, and then folding such seam inwardly into engagement with the wall of the tube and subjecting the exterior of the seam to inwardly directed radial pressure to cause a permanent reduction in the internal diameter of the tube in the plane of the seam.

2,004,536
MOTOR MOUNTING
Charles A. Olson, Geneva, and Glenn A. Patterson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 23, 1933, Serial No. 703,750
6 Claims. (Cl. 74—242.13)
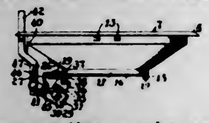


6. A mounting for electric motors comprising a base and pedestal upstanding therefrom, a motor support cross member pivotally connected with said pedestal about an axis parallel to its own length, a single tongue rigidly supported on said member extending from the middle portion thereof at right angles thereto, a second motor support cross member solely supported on and slidably mounted transversely on said tongue, and means for clamping the second member to said tongue in a plurality of adjusted positions

2,004,537
SMOKER'S ACCESSORY
Roy W. Parkinson, Buffalo, N. Y., assignor to Edward F. McDonald, Buffalo, N. Y.
Application July 20, 1933, Serial No. 681,303
16 Claims. (Cl. 131—51)

12. A smoker's accessory comprising a receptacle cover formed with a discharge opening, a supporting bracket on the under side of said cover, a pair of plates pivoted for movement in

edgewise relation on said supporting bracket for closing said discharge opening, a rock member pivoted on said bracket and engaged with said



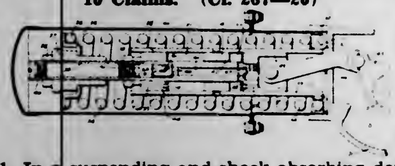
plates, and an operating member secured to said rock member and manually operable to move said rock member on its pivot for actuating said plates to uncover said discharge opening.

2,004,538
HANDLE
William A. Ready, Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware
Application August 10, 1934, Serial No. 739,245
5 Claims. (Cl. 294—57)



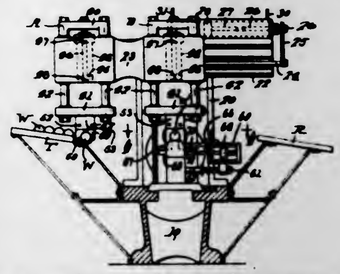
1. A handle construction for shovels and the like comprising sheet metal arms, a cross-grip between them, washer-like members overlying the ends of the arms having an eccentrically located part passing through the metal and entering the grip, and headed fastening means securing the arms against the ends of the grip having heads cooperating with said members.

2,004,539
SHOCK ABSORBER
Edwin F. Rossman, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1933, Serial No. 689,628
10 Claims. (Cl. 267—20)



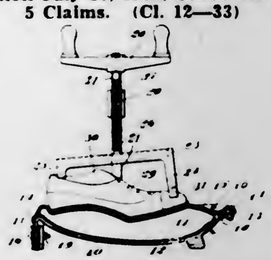
1. In a suspending and shock absorbing device for a vehicle, the combination with the frame and a wheel of the vehicle, an arm hingedly secured to the frame and having a spindle for supporting the wheel; a coil spring; a motion transmitting member secured to the arm and the free end of the coil spring; and means comprising a cylinder rigidly supported coaxially of the spring and a plurality of spaced members, one of which is secured within the cylinder, the others being slidable within the cylinder and fixed to the motion transmitting member for preventing tilting of the spring and providing a shock absorber for controlling the movements of the wheel supporting arm.

2,004,540
WORK-HANDLING MECHANISM FOR CENTERING AND LIKE MACHINES
Edwin R. Smith and Albert Schinkel, Seneca Falls, N. Y., assignors to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application June 29, 1932, Serial No. 619,948
5 Claims. (Cl. 77—18)



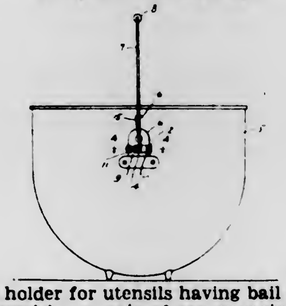
2. In a machine tool, a work support, work-engaging and transporting means effective to present pieces of work successively on said support, and power operated means forming a constituent part of said machine and movably mounted on said support, said latter means being effective to increase the pressure of said work-engaging means on each piece of work while the work is positioned thereby relative to said support and during a machine operation thereon, said latter means comprising a floating cylinder mounted on said work support for movement relative thereto, a piston movable in said cylinder, said cylinder and piston moving in opposite directions relative to said work support and transversely of said machine upon the application of fluid pressure in said cylinder, and means connected with said cylinder and piston respectively and directly contacting said work-engaging means on opposite sides thereof.

2,004,541
PNEUMATIC PRESS FOR CEMENTING SOLES ON SHOES
John L. Thompson, Somerville, Mass., assignor of one-half to George Laganas, Lowell, Mass., and one-half to Lena A. Wilson, Somerville, Mass.
Application July 30, 1932, Serial No. 626,397
5 Claims. (Cl. 12—33)



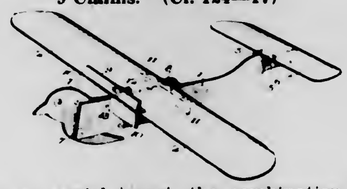
1. In a pneumatic press for cementing shoe soles, a base portion, a flexible air container member mounted against said base, a lower bridge member adapted to engage the toe of a shoe supported by said container and the upper heel portion of a last inserted in said shoe, said bridge member having a dovetail slideway on the upper side of and extending longitudinally thereof, an upper bridge member positioned above said container, and a compression screw threadedly engaging said upper bridge member and having a rounded enlarged end portion in slidable interlocking engagement with said dovetail slideway on the lower bridge member, whereby said lower bridge member will be supported by said compression screw when in its unclamped position and may be adjusted relative thereto to properly engage a shoe and last.

2,004,542
BAIL HOLDER
Harlan A. Wagner, Ruthven, Iowa
Application January 9, 1934, Serial No. 705,926
1 Claim. (Cl. 220—96)



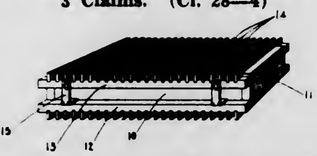
A bail holder for utensils having bail attaching ears, comprising a pair of ear engaging clamps, each of said clamps including a U-shaped member provided on the end of one of its leg portions with a channeled formation to receive one edge portion of the ear, a plate provided at one end with a channeled formation to receive the other edge of the ear, a clamp screw extending through the leg portions of the U-shaped member and being threaded through the plate so that by rotating the screw the channeled formations can be brought snugly against the edge portions of the ear, a bail engaging element, said bail engaging element consisting of an elongated spring wire convoluted at one end to provide a coiled spring, said spring being attached to the bight portion of the U-shaped member and disposed laterally therefrom, said wire being disposed upwardly from the outer end of the coil and then inwardly to provide an arm, said arm at its upper end being provided with a hook to engage a portion of the bail above the corresponding ear.

2,004,543
AERIAL TARGET
Walter G. Warren, Chicago, Ill.
Application June 19, 1933, Serial No. 676,593
In Belgium March 17, 1933
9 Claims. (Cl. 124—17)



1. In an aerial target, the combination of a body portion, supporting wing portions above and movable longitudinally of said body portion, means connecting said body and wing portions in one of the longitudinal positions of the latter but freeing the wing portions in another longitudinal position, and means actuated by the shot when said means are hit in the rear by the shot and shifting said wing portions from the connected to the disconnected position.

2,004,544
APPARATUS FOR MAKING SHAPE RETAINING FIBER MATTRESSES
William H. Waters and Jacob S. Kern, Fleetwood, Pa., assignors to Fleetwood Craftsmen, Inc., Fleetwood, Pa., a corporation of Pennsylvania
Application May 11, 1932, Serial No. 610,636
3 Claims. (Cl. 28—4)



1. In a machine for needling curled fibers, the combination with a pair of horizontal side frames having a form-carrying slide-way, a pair of endless feed belts traversing the latter, opposed uprights intermediate the length of said side frames, and needle-carrying bars above and below said slide-way mounted to reciprocate on said uprights and having fiber-entwining needles directed toward said slide-way; of a drive shaft associated with each needle-carrying bar mounted for vertical adjustment on said uprights and having a reciprocative connection to its respective bar and a drive connection to a vertical drive shaft, and separate means for adjusting each shaft relative to said slide-way; the shaft associated with one of said needle bars having a sliding drive connection to said vertical drive shaft to permit vertical adjustment of either shaft.

2,004,545
PRODUCTION OF POROUS BUILDING MATERIALS
Hans Wolf and Hermann Leuchs, Ludwigshafen-on-the-Rhine, and Hans Saenger, Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 19, 1933, Serial No. 666,820. In Germany May 5, 1928
15 Claims. (Cl. 106—24)

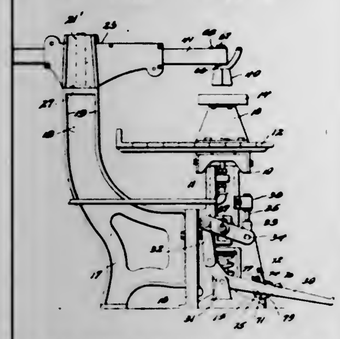
1. The process for the production of porous building materials which comprises making a hydraulic mineral binding medium into a frothy pulp together with water, waterglass and a true sulphonic acid substance of an aromatic compound containing at least 6 carbon atoms.

2,004,546
SULPHONIC ACID
Carl Wulff and Ernst Roell, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 13, 1933, Serial No. 656,585. In Germany February 24, 1932
10 Claims. (Cl. 260—159)

3. Dyestuff intermediates corresponding to the general formula $X_1—X_2—X_3$ in which X_1, X_2 and

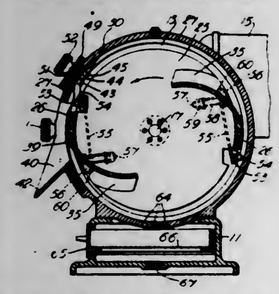
X_3 stand for a benzene nucleus, at least one of the nuclei X_1 and X_3 bearing at least one sulphonic acid group the said intermediates being obtainable by reacting a diphenylbenzene with a sulphonating agent.

2,004,547
GARMENT PRESSING MACHINE
Edwin H. Zacharias, Reading, Pa.
Application December 12, 1930, Serial No. 501,958
10 Claims. (Cl. 68—9)



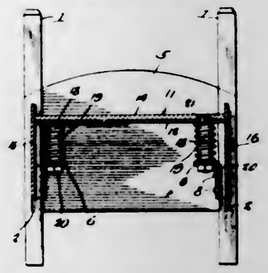
1. In a garment pressing machine, an upper iron, a vertically movable lower iron, a depressible treadle for raising said lower iron to engage said upper iron, a latch, and means for operating the latch pivoted to lie below the level of the treadle when the treadle is in an elevated position and adapted to lie above the top of the treadle when the treadle is in a lowered position, said means lying adjacent said treadle to be engaged by the foot of the operator as the treadle is depressed whereby the operator may set the latch without shifting or otherwise moving his treadle engaging foot and is thus able to exert a maximum pressure on the treadle while giving his entire attention to the garment under pressure.

2,004,548
MACHINE FOR CUTTING POTATOES OR OTHER OBJECTS INTO CHIPS OR SLICES
Geoffrey Joseph Abbott, London, England
Application June 13, 1932, Serial No. 617,013
In Great Britain June 29, 1931
8 Claims. (Cl. 146—166)



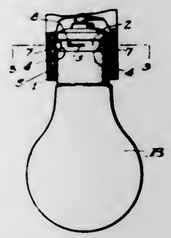
1. In a machine for cutting potatoes into chips, a stationary hollow cylindrical part, cutting blades carried thereby and projecting inwardly thereof, a rotor operative within the cylindrical part, throats carried by the rotor and cooperating with the cylindrical wall of the cylindrical part to form a pocket to pick up potatoes from the lower portion of the cylindrical part and carry them into cooperation with the blades, the throats being formed to retain and present to the blades potatoes picked up by the throats in the direction of their longitudinal axes, a rake carried by the rotor and operating to hold the last remaining portion of the potato in operative position within the throat, and means for moving the rake radially of the rotor to avoid contact with the blades.

2,004,549
BED
Randolph Boyd, Galva, Ill.
Application April 21, 1934, Serial No. 721,792
4 Claims. (Cl. 5—210)



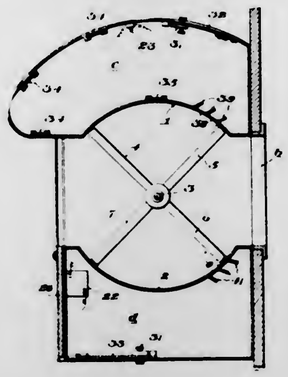
3. A bed frame comprising head and foot members including posts, side rails connecting the head and foot members, a platform, means for supporting the platform yieldably upon the side rails, and side plates carried by the platform and located outwardly of the side rails, the side plates being wide enough to hide the side rails and being guided for vertical movement in the posts.

2,004,550
ELECTRICAL CONNECTER
Francois C. Bradley, Union, Miss.
Application July 30, 1932, Serial No. 627,029
5 Claims. (Cl. 173—360)



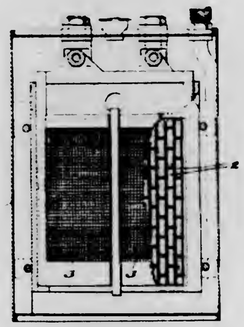
1. As a new article of manufacture, an electrical connecter comprising a shell for insertion within an internally threaded socket member, said shell having circumferentially spaced openings, and a bow spring positioned within the shell and having lugs normally extending outwardly of the shell through said openings, said lugs when extended having engagement with the thread of the socket member, said shell and bow spring having limited relative rotary movement, the lugs being hook-shaped to overlap the shell upon relative movement of the spring and shell in one direction to hold the lugs against movement inwardly of the shell.

2,004,551
BANK BANDIT TRAP
Walker B. Coleman and Frank J. Ebel, New Orleans, La.
Application February 23, 1932, Serial No. 594,724
3 Claims. (Cl. 20—1.01)



1. An entrance and exit for a bank or the like including an elongated passageway having a wall formed by a hollow compartment adapted to receive an attendant, a revolvable door positioned within the passageway, the compartment being formed and adapted to permit view of the passageway by the attendant and having openings therein, and vanes positioned adjacent the openings to deflect bullets away from the attendant in the compartment.

2,004,552
ELECTRIC STORAGE BATTERY
James Joseph Drumm and Albert George Burnell, Inchicore, Dublin, Ireland, assignors to Drumm Battery Company, Limited, Dublin, Ireland
Application May 17, 1933, Serial No. 671,540
In Great Britain May 18, 1932
3 Claims. (Cl. 136—28)



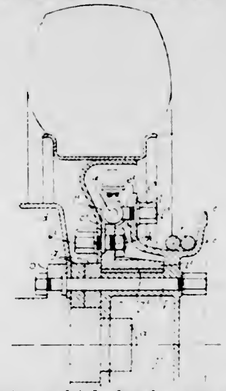
1. An alkaline electric storage battery comprising a negative electrode having a surface of nickel, an alkaline electrolyte and a positive electrode formed from a composite plate of iron, nickel plate, chromium plate, and nickel plate, the last mentioned plating being annealed in an atmosphere of hydrogen.

2,004,553
ARMED WOODEN PLATE AND ARMATURE BAR FOR THE SAME
Johannes Brynjälvsen Een, Oslo, Norway
Application June 20, 1933, Serial No. 676,754
In Norway June 23, 1932
9 Claims. (Cl. 20—91)



1. In armed wooden plates for building, furniture and the like purposes the combination of a single row of boards, placed side by side, with grooves arranged crosswise over the whole width of said row of boards, armature bars driven into said grooves, and teeth on said amature bars, adapted to be driven into the boards at the bottom of said grooves, said teeth being of varying length, the length being greater near the ends of said bar than at the middle.

2,004,554
PULLEY DRUM FOR MOTOR VEHICLES
Donald Stuart Kennedy, Longparish, Hampshire, England
Application August 13, 1934, Serial No. 739,689
In Great Britain January 10, 1934
5 Claims. (Cl. 180—53)

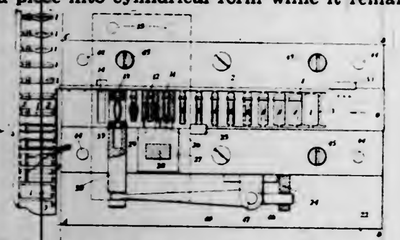


1. In a motor vehicle having an axle shaft, a driving member secured to said shaft, and a road wheel adapted to be driven from said shaft, a pulley drum, detachable means for securing said pulley drum to said driving member, a bearing member rotatable in relation to said pulley drum, and detachable means for securing said bearing member to said road wheel, said pulley drum and bearing member being concentrically mounted in relation to said shaft and road wheel, and detachable driving connections between said pulley drum and bearing member, said pulley drum and bearing member being detachable as a unit by removal of said securing means between said pulley drum and driving member and of said securing means between said bearing member and road wheel.

2,004,555
METHOD AND APPARATUS FOR THE MANUFACTURE OF ELECTRICAL CONTACT PLUGS
Ernst Kleinmann and Alfred Mendel, Berlin-Lichtenberg, Germany
Application September 2, 1933, Serial No. 688,043
19 Claims. (Cl. 153—2)

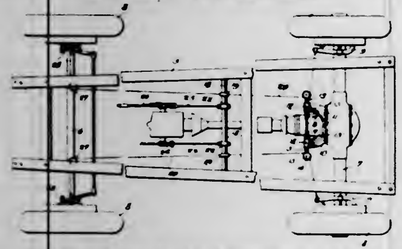
1. A method for the manufacture of a bulged electrical contact plug consisting in stamping a

metal sheet so as to form a piece of the appropriate shape that remains attached along part of each of two opposite ends to said sheet, bending said piece into cylindrical form while it remains



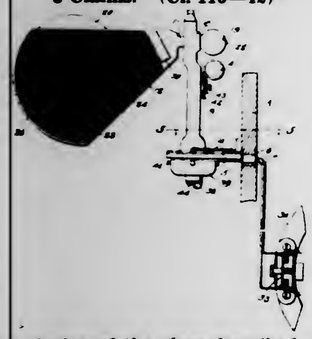
attached to said sheet at both ends, then detaching it from said sheet at one end, subsequently compressing the cylinder axially to bulge it and then detaching it at the other end.

2,004,556
MOTOR VEHICLE BRAKE
Fred H. Sharar, Williamsport, Pa.
Application September 16, 1932, Serial No. 633,501
3 Claims. (Cl. 188—204)



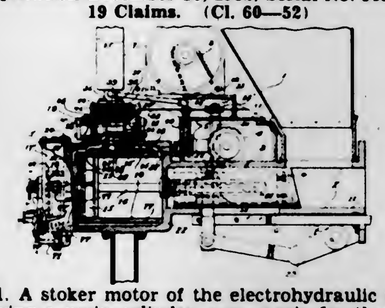
1. A motor vehicle brake actuating device comprising a bracket adapted to be attached to a part of the vehicle, arms on said bracket having bearings, rods slidably mounted within the bearings, means for restricting outward movement of the rods, pulleys mounted at the outer ends of the slidable rods, cables connected to the brakes of the vehicle and operating over the pulleys, and means for operating the cables.

2,004,557
DIRECTION INDICATOR
John L. Trotter and Virgil Hall, St. Louis, Mo.
Application May 26, 1931, Serial No. 540,116
3 Claims. (Cl. 116—42)



1. In a device of the class described, a hollow support, a vertical supporting post, a circular flange at the lower end of the supporting post and fitted in the hollow support, holding the supporting post in an upright position, spring members connected to the opposite sides of the supporting post and adapted to hold the supporting post in a predetermined position, a signaling housing mounted at the upper end of the post, and signaling means within the signaling housing.

2,004,558
STOKER MOTOR
James F. Turner and Christian P. Breidenbaugh, Baltimore, Md., assignors to Flynn & Emrich Company, Baltimore, Md., a corporation of Maryland
Application December 30, 1932, Serial No. 649,558
19 Claims. (Cl. 60—52)



1. A stoker motor of the electrohydraulic type having a main cylinder, a reservoir for the hydraulic fluid, a feed trough and a ram guide formed in a single casting.

2,004,559
METHOD AND INSTRUMENT FOR ELECTRO-SURGICAL TREATMENT OF TISSUE
Reinhold H. Wappler, Yonkers, and Frederick Charles Wappler, New York, N. Y.; said Frederick C. Wappler administrator of said Reinhold H. Wappler, deceased
Application November 22, 1932, Serial No. 643,846
20 Claims. (Cl. 174—89)



1. In an instrument of the character described, an elongated stem, a member pivotally mounted at its rear end to the forward portion of the stem so as to be movable from a longitudinal position into positions of varying obliquity with respect to the stem axis, a longitudinal electrode whose rear end is pivotally associated with the stem rearwardly of said member, and means articulating said member and electrode for constraining the electrode to move with and substantially parallel to said member.

2,004,560
MOTOR FUEL PRODUCTS
Robert E. Wilson, Chicago, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 18, 1931, Serial No. 563,674
12 Claims. (Cl. 44—9.03)

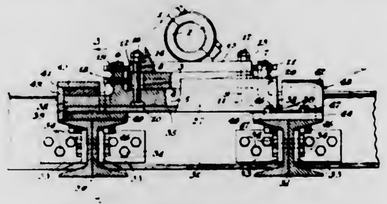
1. A motor fuel product comprising principally an unsaturated hydrocarbon distillate boiling within the gasoline boiling range and initially stable with respect to gum formation, an added small proportion of tetra ethyl lead solution as a knock suppressing agent, the addition of which results in an impaired stability of the motor fuel with respect to gum formation, and a small amount of an amino hydroxy benzene whereby said impairment of gum stability is corrected.

2,004,561
EXPANDING PINTLE FOR HINGES
Frederick W. Becker and Reginald P. Kinsley, Albany, N. Y., assignors to Watervliet Tool Company, Inc., Albany, N. Y., a corporation of New York
Application August 17, 1933, Serial No. 685,517
2 Claims. (Cl. 16—168)



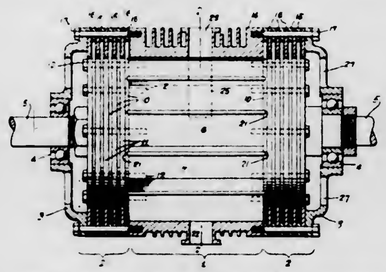
1. In a door hinge, comprising a member having spaced knuckles, a member having an intermediate knuckle between the spaced knuckles, the three knuckles having alined bores, a single piece pintle having one end headed, and having locking means at said headed end, and having an axial bore therein, said axial bore having large and small cylindrical portions intermediately connected by a wedging portion, the large cylindrical portion of the bore being threaded, a plurality of peripheral slots in said pintle extending substantially the entire length of said pintle and into said axial bore to form expander sections in the three alined bores of the said knuckles, a solid wedge ended expansion pilot in said axial bore with its wedge end fitting the wedging portion of said axial bore and an independent set screw tightly engaging the threaded end of said axial bore to engage said wedge ended pilot to hold the latter in position under the stress of expansion of said pintle.

2,004,562
ADJUSTABLE SHAFT MOUNTING
Daniel M. Blackburn, Carbondale, Pa., assignor to Hendrick Manufacturing Company, Carbondale, Pa., a corporation of Pennsylvania
Application February 3, 1934, Serial No. 709,568
6 Claims. (Cl. 308—59)



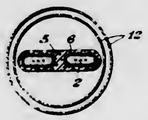
1. In a shaft mounting of the character described, in combination, a base block, a channel iron embracing the base block from below and having a side wall at each side of the base block, the base block and channel iron having aligning extending portions at both ends, a support, resilient members between the channel iron extensions and the support, a strap extending over each base block extension, resilient members intermediate the block extensions and straps, and means tightly clamping said straps to the support and placing and maintaining the resilient members under compression.

2,004,563
COMPRESSOR
Boris Bogoslowsky, Bridgeport, Conn., assignor, by mesne assignments, to Arnold C. Dickinson, Fitchburg, Mass.
Application June 23, 1931, Serial No. 546,274
4 Claims. (Cl. 230—152)



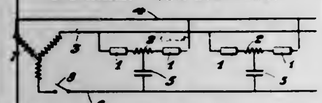
1. In an assembly of the character described, a stationary casing having coaxial annular recesses of castellated cross section in the opposite ends thereof, an intermediate portion of the casing constituting an eccentrically positioned chamber having inlet and outlet passages, a rotor positioned within said chamber and mounted to rotate coaxially of said recesses, flanges of castellated cross section on the ends of said rotor interfitting with said recesses, but free from contact with the walls of said recesses, said rotor having radial pockets and the flanges having juxtaposed radial channels in their inner faces, and vanes supported for radial movement in said pockets and channels, said vanes being positioned relatively close to one another to divide the chamber into a large number of relatively small pockets, the opposing surfaces of the interfitted castellated portions of the flanges and recesses being parallel to or coaxial with one another and spaced apart a substantially uniform distance throughout the labyrinth packing thus formed, whereby excessive axial or circumferential leakage or by-passing of pressure from or between the several pockets of the rotor is precluded.

2,004,564
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Cornelis Bol, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application May 25, 1934, Serial No. 727,526
In the Netherlands June 3, 1933
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising a curved container having the ends thereof in adjacent positions, each of said ends having a pinch part protruding therefrom, said pinch parts being in the same plane.

2,004,565
GASEOUS ELECTRIC DISCHARGE DEVICE
Cornelis Bol and Eduard G. Dorgelo, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application June 18, 1934, Serial No. 731,149
In the Netherlands June 24, 1933
3 Claims. (Cl. 176—124)



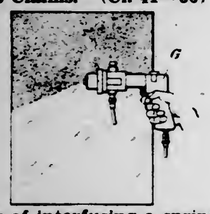
1. A starting and operating circuit for a plurality of gaseous electric discharge devices comprising in combination, a three-phase alternating current source for said devices, a series connected stabilizing impedance for said devices, said devices being connected in groups comprising at least two of said devices, the devices in each group being connected in series across two terminals of said current source and means to connect the mid-point of each group to the third terminal of said current source during the starting period of said devices and to disconnect the mid-point from the third terminal during the operation of said devices.

2,004,566
TRIMMING AND CUTTING MACHINE
Edward M. Brackett, Dietrich Daneke, and Leo C. Williams, Topeka, Kans., assignors, by mesne assignments, to Dexter Folder Company, New York, N. Y., a corporation of New York (1934)
Application January 8, 1934, Serial No. 705,761
21 Claims. (Cl. 164—51)



3. In combination with a cutter for severing a portion of a stack of sheet material, a holder for applying pressure to a portion of the stack to be cut off, means for supporting the holder for lateral shifting movement relative to the cutter, means carried by the holder for applying an initial pressure to said portion of the stack, and means for moving the holder concurrently with operation of the cutter to rack the cut off sheets of the stack for accommodating cutter displacement during the cutting operation.

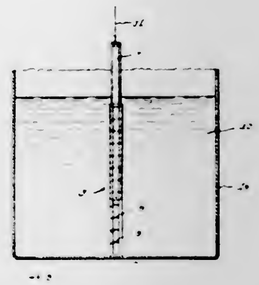
2,004,567
COMBINATIONS OF ENAMEL AND SPRAYED METAL
Isaac V. Brumbaugh, St. Louis, Mo.
Application September 8, 1933, Serial No. 688,624
26 Claims. (Cl. 41—36)



1. A process of interfusing a sprinkling of discrete metal particles on a surface of ceramic material into the ceramic surface by fusion of the latter.

21. An article of manufacture having a ceramic or vitreous surface with a sprinkling of metal particles fused and incorporated thereinto.

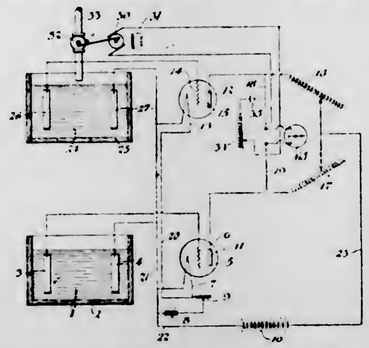
2,004,568
LIQUID SAMPLING DEVICE
Michael J. Carpinello, New York, N. Y.
Application April 25, 1933, Serial No. 667,931
2 Claims. (Cl. 137—18)



1. A liquid sampling device comprising an elongated rod like container of substantially semicircular cross sectional configuration and having a relatively narrow opening in its front wall extending centrally and longitudinally thereof, partitions in said container and providing superimposed compartments, a slidably mounted door for closing the opening, said door having reduced side portions extending to the sides of the container to close the compartments from each other and acting with the sides of the front wall to guide the door in its movement, a strip bridging the opening at its upper end, a projection on the lower end of said door to contact the strip to limit the upward movement of the door, said door being longer than the container to extend above the latter with an opening in the extension, flexible means secured in the extension opening to raise the door, a ring secured to the top of the container, and flexible means secured to the ring to raise and lower the container within a body of liquid.

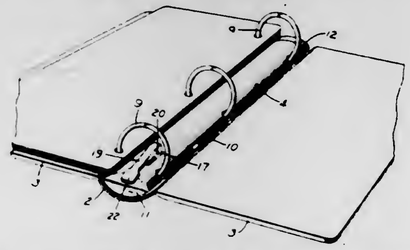
2,004,569
ELECTROMETRIC DETERMINATIONS
Archibald H. Davis, Jr., Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1926, Serial No. 109,116
7 Claims. (Cl. 175—183)

1. An apparatus for electrometric determinations which comprises two pairs of electrodes each of which is positioned in a liquid conductor, two electron tubes, grid circuits associated with each of said tubes, the grid circuit of one tube including one of the aforesaid pairs of electrodes and the grid circuit of the other tube including the other of the aforesaid pairs of electrodes, filament circuits in parallel association with both tubes and including a source of electric current for heating the tube filaments common to both filaments, plate circuits in parallel association with both tubes and including a source of electric current common to both circuits, and an electric current indicating means associated with both of said plate circuits whereby the ratio of



the current in one of said circuits to the current in the other of said circuits is indicated.

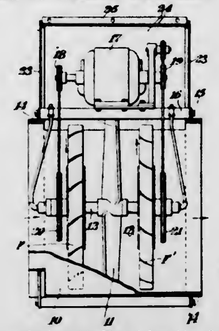
2,004,570
LOOSE LEAF BINDER
George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 9, 1933, Serial No. 692,747
16 Claims. (Cl. 129—24)



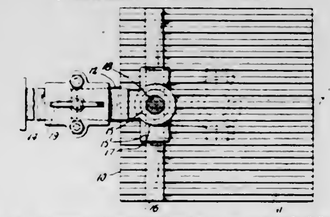
4. In a loose leaf binder, a ring metal including a pair of toggle plates and a plurality of sheet retaining prongs secured to said toggle plates, and a lever pivotally supported above said toggle plates, said lever engaging said toggle plates to move said prongs to closed position, said toggle plates being adapted to move said lever from inoperative to operative position when said prongs are moved to open position.

2,004,571
FAN
George de Bothezat, New York, N. Y., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application September 8, 1931, Serial No. 561,524
12 Claims. (Cl. 230—123)

1. A fan unit consisting of a housing and a series of coaxial disk fan impellers therein drawing a supply of gas at one end of the series, increasing the pressure by each impeller rotated under substantially the same torque and discharging the gas at the opposite end of the series with substantially no rotation of the discharge around the axis, and means for driving said impellers with relatively opposite rotations at substantially the same speed, the impellers rotating in opposite directions having their respective blade widths and blade angles and the number of blades different as to at least one of these features and so related that their torque resistances are substantially identical under normal operating conditions.

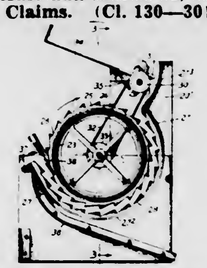


2,004,572
POWER TRANSMISSION
William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application August 15, 1934, Serial No. 739,883
7 Claims. (Cl. 74—63)



1. In a power transmission, a revoluble plate having parallel teeth extending in a direction across a face thereof, a rack bar engaging said teeth, and a revolubly mounted yoke slidably engaging the rack bar.

2,004,573
PEA SHELLER
John Alfred Galley, Edgecliff, New South Wales, and Ernest Valentine Galley, Milsons Point, North Sydney, New South Wales, Australia
Application September 20, 1933, Serial No. 690,272
In Australia March 31, 1933
3 Claims. (Cl. 130—30)



1. A pea-shelling device comprising a framing, a drum rotatably mounted in said framing, a plurality of spaced rubber ribs mounted annularly on the outer surface of said drum and each consisting of a separate endless rib located in a plane at right angles to the axis of the drum, a grid spaced

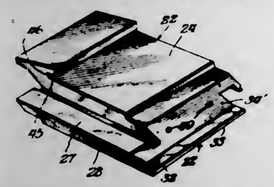
from and arcuately disposed about said drum and comprising a plurality of separate parallel rubber bars registering respectively with the interspaces between said drum ribs, means for rotating said drum to cause a transverse rolling of pea-pods between, and along the length of, said bars and ribs, and a plurality of apertures between said bars to permit escape of peas removed from the pods.

2,004,574
SPRAY GUN RESERVOIR
William Oliver Gee, Jr., Chicago, Ill.
Application February 13, 1933, Serial No. 656,520
6 Claims. (Cl. 299—88)



6. In a device of the class described for use with a spraying gun comprising a housing substantially circular in formation adapted to nest a cup, a demountable cup formed to be nestingly seated in the said housing, the body of said housing and said cup each being registeringly tapering, an outwardly extending flange upon the rim of said housing and an outwardly extending flange upon the rim of said cup adapted to register therewith, a demountable cover comprising a unit consisting of a closure member adapted to register on the flange of the cup above the flange of the housing and a resilient locking member; said cover having a conduit transversely therethrough, there being a portion adapted to extend into the cup and a portion extending outside of the cover; a fixed means and an adjustable means upon diametrically opposed external sides of the housing adapted to form parts of a locking means adapted to cooperate with the resilient member on the cover for tensionally locking the demountable cover assemblage to the housing.

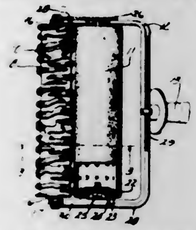
2,004,575
ROOF AND SIDE COVERING FOR BUILDINGS
Irving A. Keyesawetter, Berwyn, Ill., assignor of one-half to Ernest R. Berg, Cicero, Ill.
Application July 19, 1933, Serial No. 681,115
3 Claims. (Cl. 108—10)



1. A building covering comprising a substantially parallelogram interlocking blank having a normally longitudinally extending channel on one edge thereof, a longitudinally extending narrow rib on one side of said channel, one edge of said channel undercut inwardly towards said blank, a longitudinally extending tongue complementary to said channel formed on the other edge of said blank, said longitudinal tongue formed by a relatively narrow channel complementary to the rib on the other side of said blank, a substantially horizontal flat portion at the upper end of said blank below the surface of said blank and transversely inclined in a direction towards said first named channel for draining the water thereinto, a forwardly beveled portion extending from said horizontal portion terminating in an upwardly extending substantially flat tongue, the lower portion of said blank being complementary to the upper portion of said blank, and a water lock rib co-extensive with said longitudinally extending rib for preventing the water draining to one side of said blank from passing between the blanks when assembled.

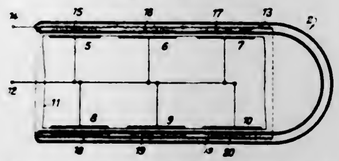
2. In combination with a building structure having spaced apart horizontally disposed members, of a covering in the form of interlocking blanks, hook portions formed integrally with said blanks for securing the upper ends of said blanks to said members, and dowel pins extending into aligned sockets of the adjacent upper and lower ends respectively of contiguous blanks for securing the lower end of each blank to the next lower adjacent blank.

2,004,576
APPLICATOR ROLL
John Kirsch, Milwaukee, Wis.
Application April 15, 1932, Serial No. 606,936
2 Claims. (Cl. 101—376)



1. The combination with an applicator roll of resilient material, of a surface therefor comprising felt fibers impregnated into said material.

2,004,577
PROCESS AND APPARATUS FOR THE PRODUCTION OF LUMINOUS SIGNS IN ELECTRIC GAS DISCHARGE TUBES
Nikolai Lebedenko and Rudolf Levy, Berlin-Wilmersdorf, and Wladislaw Zeitlin, Berlin, Germany, assignors to Iris-Licht G. m. b. H., Berlin-Charlottenburg, Germany
Application December 15, 1932, Serial No. 647,426
In Germany October 15, 1931
22 Claims. (Cl. 176—14)



1. In a luminous discharge tube for operation from high frequency currents, an envelope of dielectric material enclosing an ionizable gas, a support removably connectible with said envelope, and a multiplicity of electrodes mounted on said support in positions capacitatively related to the ionizable gas in said envelope.

2,004,578
GASEOUS ELECTRIC DISCHARGE DEVICE
Hendrik Lems, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application August 12, 1932, Serial No. 628,578
In Germany August 20, 1931
4 Claims. (Cl. 176—122)



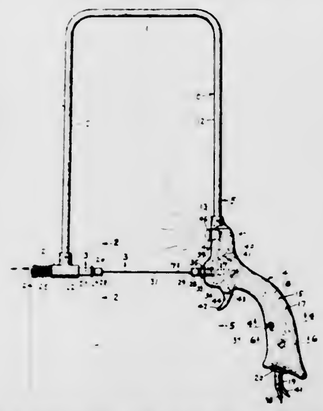
1. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, at least two of said electrodes being main discharge supporting electrodes, an auxiliary electrode extending from one of said main electrodes to a point adjacent the other of said main electrodes, said auxiliary electrode being coated with the oxide of the material constituting said auxiliary electrode to prevent sputtering of material from said auxiliary electrode during the operation of said device.

2,004,579
REENFORCED TENNIS NET AND METHOD OF MAKING THE SAME
Valentine Lichtenstein, Jersey City, N. J., assignor to The Fish Net and Twine Co., Jersey City, N. J., a corporation of New Jersey
Application August 23, 1932, Serial No. 630,001
6 Claims. (Cl. 273—29)



1. The herein described method of producing a centrally reenforced tennis net, which consists in squaring a strip of diamond netting having a single strand mid portion and heavy strand side portions to procure a strip having alternate parallelogram shaped sections of single and double strand netting, severing the single strand portion along a center line running transversely of the net, arranging the severed pieces of the netting to bring the free sides of the double strand portions into position to form a V-shaped opening therebetween, and thereafter filling out the opening with a heavy strand section to form a continuous netting.

2,004,580
ELECTRIC SCROLL SAW
Edwin L. Meyer, Bridgeport, Conn.
Application March 16, 1934, Serial No. 715,835
16 Claims. (Cl. 219—29)



11. In a device of the character described, an electric resistance wire forming a burner element; a frame in which said wire is carried and having an open side across which the said wire is stretched, said frame having a hand grip the axis of which forms an angle of greater than 30° with the axis of the wire, by means of which hand grip the frame is manipulated to draw the resistance wire over the work; means for supplying low voltage high amperage currents to said wire to heat the same, said means including a switch carried by the frame; and a finger-piece for said switch carried by the hand grip to be operated by the finger of the operator's hand holding the hand grip to instantly open and close a circuit supplying current to the resistance wire.

2,004,581
METHOD OF AND MEANS FOR SHAPING OR ARCHING EYEBROWS
William Meyer, Chicago, Ill.; Lina R. Meyer executrix of said William Meyer, deceased
Application July 14, 1934, Serial No. 735,097
17 Claims. (Cl. 128—355)

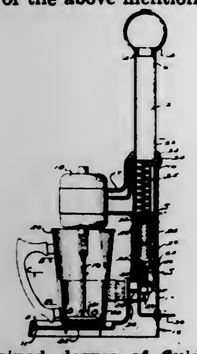


3. A device for shaping eyebrows comprising a pair of rolls having pointed ends held in engagement and adapted to grasp hairs individually and generally endwise therebetween, and bearing means for said rolls, said bearing means being disposed entirely away from the pointed ends of the rolls.

2,004,582
MECHANISM FOR DISINTEGRATING FROZEN LIQUID
Glenn Muffly, Richmond, Mich.
Application May 23, 1931, Serial No. 539,437
11 Claims. (Cl. 259—1)

1. An apparatus for preparing cold drinks from frozen material comprising means for heating the material, means for mechanically agitating it

while it is heated, and automatic means for controlling one of the above mentioned means when



a predetermined degree of fluidity is obtained and depending upon said degree of fluidity.

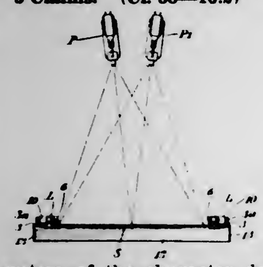
2,004,583

SOUND REPRODUCING SYSTEM

David F. Newman, Freeport, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware

Application January 14, 1931, Serial No. 508,669

5 Claims. (Cl. 88—16.2)



1. In a system of the character described, a screen structure including a flexible member comprising a composition of matter resistant to passage of sound waves therethrough and with which a light beam is adapted to coact throughout a central area thereof for the display of images, a rectangular vertical frame, means for holding said member under tension on the frame, said screen structure, at different sides of said central display area, being provided with openings readily transparent to sound waves, magnetic loud speaker reproducing units at the rear of said screen structure for passing sound waves through the openings, said reproducing units having their forward ends arranged substantially in the plane of the screen structure, means for supporting said reproducing units independently of said screen structure, and resilient vibration and sound deadening means forming a closed connection between the forward end of the speaker units and the surface of the screen structure.

2,004,584

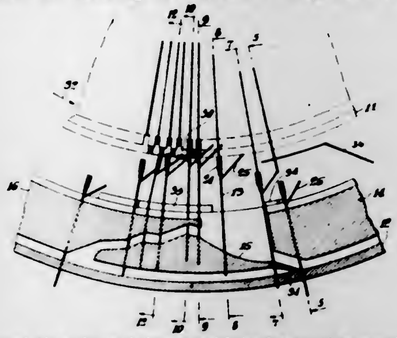
FASHIONING ATTACHMENT FOR KNITTING MACHINES

Morris Philip, New York, N. Y.

Application April 6, 1933, Serial No. 664,689

2 Claims. (Cl. 66—24)

1. A transfer attachment for knitting machines of the character described including their needle beds, comprising an additional needle bed for a plurality of fashioning jacks arranged to co-operate with the knitting needles of the machine, means to gradually transfer the thread from said knitting needles to said fashioning jacks, a loop holder for holding the thread during the trans-



fer of the thread from said jacks to the vertical needles a cam to swing the jacks into proper position to the knitting needles for the transfer of the thread, and means pivotally attached to one of the cams controlling the transfer of the thread from the knitting needles to the jacks and to lock the fashioning jacks if no transfer is desired.

2,004,585

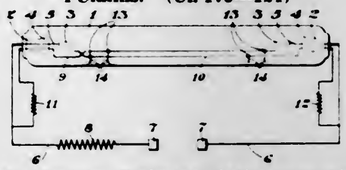
GASEOUS ELECTRIC DISCHARGE DEVICE

Marcello Pirani, Berlin-Wilmersdorf, Hans Ewest, Berlin, and Georg Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York

Application April 4, 1932, Serial No. 603,168

In Germany April 15, 1931

4 Claims. (Cl. 176—124)



2. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, and a plurality of electrically conducting members extending along the discharge path between said electrodes and in parallel positions, each of said members being connected through a resistance with one of said electrodes, one end of each of said members being adjacent one of said electrodes opposite that to which said member is connected, the distance between said ends and said electrodes and the distance between said members being less than the striking distance of the potential applied to said device.

2,004,586

RECOVERY OF VAPOR PHASE OXIDATION PRODUCTS AND APPARATUS THEREFOR

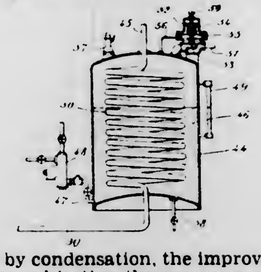
Riewen Riegler, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

Application May 20, 1931, Serial No. 538,766

8 Claims. (Cl. 260—123)

1. In the oxidation of organic compounds in the vapor phase by a process which includes subjecting a vapor mixture of the organic compound

and an oxidizing gas to an oxidizing action under suitable conditions of temperature control to produce a vaporous mixture containing a desired partial oxidation product of said compound, and recovering the said product from the vaporous



mixture by condensation, the improvement which comprises subjecting the vaporous mixture, prior to the condensation, to a precooling whereby its temperature is adjusted to a controlled value above the dew-point of said mixture with respect to said product.

2,004,587

GLOW DISCHARGE TUBE CIRCUIT

Fritz Schröter, Berlin-Schmargendorf, Germany, assignor to Radio Patents Corporation, New York, N. Y.

Application April 19, 1930, Serial No. 445,790

In Germany July 11, 1929

10 Claims. (Cl. 178—7)



1. In a signalling system a receiving circuit; means for transforming signals of constant amplitude and variable frequency into signals of variable amplitude consisting of a glow discharge tube, a first electrode within said tube, a second electrode on the outside of said tube; said electrodes forming a condenser therebetween, and means for impressing signals from said receiving circuit, across said electrodes, of constant current amplitude and variable frequency.

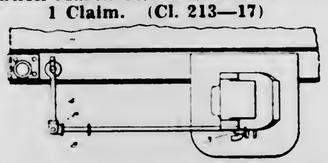
2,004,588

OPERATING DEVICE FOR CAR COUPLERS

Arthur E. Small, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware

Application March 14, 1931, Serial No. 522,572

1 Claim. (Cl. 213—17)



In a railway car, an operating device for use with a car coupler mounted upon the car to move laterally in service and having a member mounted upon the coupler arranged to operate the coupler upon rotation of an operating rod, said device comprising a bracket mounted upon the car, an operating rod having a shank operatively connected to the member at its inner end, and a substantially upright member loosely supported at its upper end by said bracket to swing lengthwise and sidewise of the car, the lower end of said upright member having a horizontal portion extending inwardly toward the coupler substantially in alignment with said shank and forming a handle hingedly attached at its inner end to the shank in such manner that said upright member and shank move relative to each other only in a single plane.

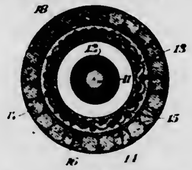
2,004,589

ELECTRICAL CONDUCTOR

Anderson B. Smedley, Flushing, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application May 25, 1932, Serial No. 613,347

13 Claims. (Cl. 247—3)



1. A unitary article of manufacture for installation underground comprising in combination a conductor with an insulating covering attached thereto and a duct of non-conducting material which is by itself stiff enough to be self-supporting under external pressure when laid underground and is waterproof and flexible enough lengthwise to follow the contour of the ground, the conductor and the duct being assembled in fixed relation to each other before use and the insulated conductor being loosely encased in the duct and adapted to be pulled out of the duct after installation.

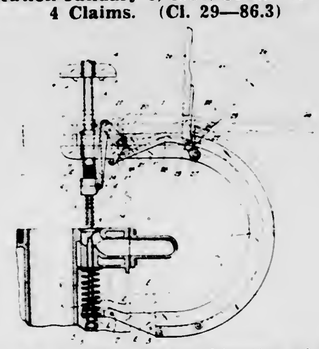
2,004,590

COMBINED VALVE LIFTER AND SPRING COMPRESSOR

Joseph Sunnen, Kirkwood, Mo.

Application January 6, 1934, Serial No. 705,502

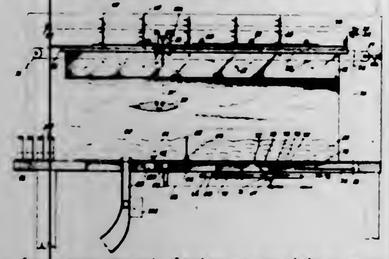
4 Claims. (Cl. 29—86.3)



1. In a valve lifter the combination of a handle frame, a guide member disposed transversely at one end of the frame, a valve engaging member slidingly mounted in said guide for co-action with the frame, a block adjustably mounted on said valve engaging member, a bell-crank mounted on the frame in close proximity to said guide member, a handle lever pivotally mounted on the frame at a point spaced inwardly from the bell-crank lever, a connecting link between said block and the upper arm of the bell-crank

lever, and a second connecting link between the lower arm of the bell-crank lever and the handle lever, the points of connection of the links with the respective levers being such that the first link will move substantially along a vertical line and the second along a horizontal line.

2,004,591
AMUSEMENT DEVICE
Max Sünskes, New York, N. Y.
Application January 16, 1934, Serial No. 706,800
6 Claims. (Cl. 273—1)



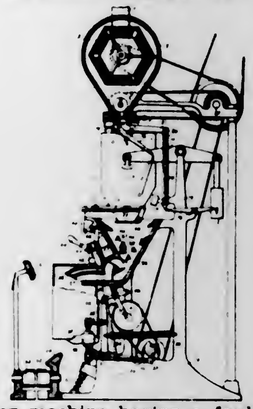
1. An amusement device comprising a motor operated carriage, a means for supporting the motor operated carriage for movement, a circuit, a lamp within said circuit, a holder for said lamp, cables by means of which said holder is vertically displaceable suspended from said carriage, a prescribed path through which said lamp must be guided, means to interrupt said circuit to extinguish the lamp if the lamp deviates from the said path, and means to allow a return of the carriage into its original position at the end of each play.

2,004,592
ELECTRICAL CONDUCTOR CABLE
John L. Alden, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1933, Serial No. 670,698
2 Claims. (Cl. 173—264)



1. In a conductor cable, a plurality of intertwisted principal conductors each comprising a plurality of conductor strands intertwisted without a core strand and each composed of a plurality of flat ribbons of conductive material wound in an open helix upon a central nonconductive core, a sheath of non-conductive binding strands upon each plurality of conductor strands, a sheath of electrically insulating material over each sheath of binding strands, a sheath of thermally insulating material over each sheath of electrically insulating material, and an outer binding sheath of non conductive strands braided over the whole.

2,004,593
FILLING MACHINE
Arno Andreas, Munster, Germany
Application January 10, 1930, Serial No. 419,986
In Germany September 23, 1929
38 Claims. (Cl. 226—48)



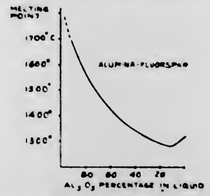
1. A filling machine having a feeding structure above a series of weighing devices, conveying means below the weighing devices, filling and supporting means for receptacles, cooperating to pass material from the conveying means into the receptacles, said supporting means being swingable to cast off the receptacles, and means under the control of the machine for operating the feeding structure and tilting the supporting means.

2,004,594
SILICON CARBIDE REFRACTORY
Raymond C. Benner and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
No Drawing. Application January 28, 1932, Serial No. 589,527
5 Claims. (Cl. 106—9)

1. A refractory article comprising silicon carbide and a bond containing calcium fluoride.

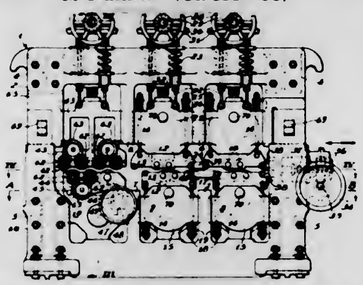
2,004,595
PROCESS OF MAKING SILICON CARBIDE ARTICLES AND RAW BATCH THEREFOR
Raymond C. Benner and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application August 26, 1932, Serial No. 630,494
In Great Britain November 20, 1928
4 Claims. (Cl. 25—156)

1. In the process of making silicon carbide refractory articles, the steps which comprise admixing with silicon carbide grain a carbonaceous temporary binder and a vitrifiable binder of that class of mixtures of fluxing and refractory materials, each of which mixtures is characterized when present in such an admixture by initial softening of a portion only thereof at but not substantially below a temperature approximating that at which rapid oxidation of silicon carbide begins, in which softened portion the more refractory portion dissolves in increasing amounts progressively over a range of at least 400° C. as the temperature is raised



above the initial softening point, forming the mixture, heating the formed mixture for a time sufficient to burn out the temporary binder at a temperature below that at which rapid oxidation of silicon carbide begins, and thereafter raising the temperature to a point sufficient to cause the bond to flow enough to protect the silicon carbide from oxidation which would otherwise take place.

2,004,596
METHOD AND APPARATUS FOR MANUFACTURING METAL SHEETS AND STRIPS
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1933, Serial No. 702,211
42 Claims. (Cl. 153—54)

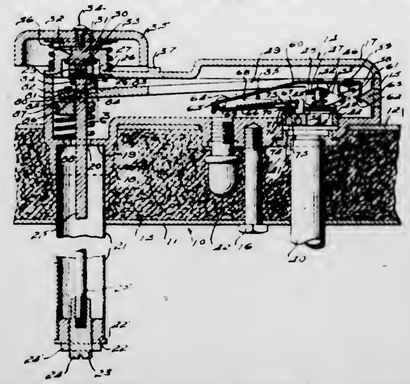


1. A roller leveler machine comprising a pair of upper working rolls, a pair of lower working rolls in staggered relation thereto, a backing roll for each pair of working rolls, the centers of said backing rolls being out of vertical alignment, and means for adjusting each pair of working rolls around the corresponding backing roll.

42. The method of treating metal strip which consists in continuously passing it through a series of relatively small rolls arranged in staggered relation to loosen the scale, remove bulges, kinks, etc., and then passing it through a similar arrangement of larger rolls to flatten it.

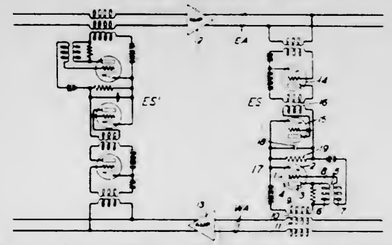
2,004,597
OVEN REGULATOR
Fred E. Birtch, Detroit, Mich.
Application August 31, 1931, Serial No. 560,364
21 Claims. (Cl. 236—15)

4. A temperature controlled heat regulator for ovens or the like, comprising means for supplying and gradually diminishing the supply of gas to the oven burner and then temporarily supplying a smaller uniform quantity of gas to the burner, snap action means operable after a predetermined time for quickly cutting off the smaller quantity of gas supplied to the burner,



and temperature control means for actuating said snap action means and first means.

2,004,598
TRANSMISSION CONTROL CIRCUIT
Bjorn G. Bjornson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 17, 1931, Serial No. 563,277
9 Claims. (Cl. 178—44)

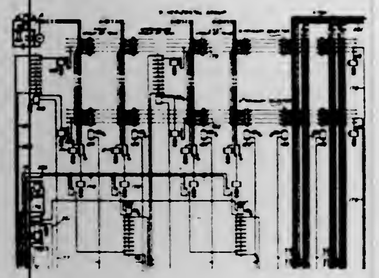


1. In a transmission system, a signal transmission circuit, an electric space discharge device having an input and an output circuit, means inductively coupling the output circuit of said device to said transmission circuit so as to place an alternating current impedance in said transmission circuit which controls transmission therein, said impedance normally having a certain value, means for impressing a potential on said input circuit of said device so as to change said alternating current impedance in said transmission circuit to a different value, and means for effectively increasing the difference between the value of the normal alternating current impedance in said circuit and that of the changed impedance therein, the last mentioned means comprising a circuit for feeding back in proper phase relation energy from the output to the input circuit of said device.

2,004,599
TELEPHONE SYSTEM
Warren W. Carpenter, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1933, Serial No. 681,102
23 Claims. (Cl. 179—18)

1. In a telephone system having subscribers' lines, outgoing trunks and primary selectors for

connecting said outgoing trunks with calling subscribers' lines, each of said primary selectors having access to a plurality of trunks, a control circuit responsive to the initiation of a call by



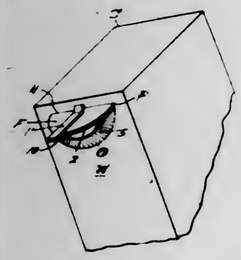
one of said lines for choosing one of said primary selectors having accessibility to two or more free outgoing trunks from which to select an outgoing trunk for connection with said line.

2,004,600

COMBINATION CARDBOARD BOX OPENER AND SPOUT

John Thomas Cooney, Los Angeles, Calif.

Application March 21, 1934, Serial No. 716,669
6 Claims. (Cl. 221—11)



1. A combined carton flap cutter and pouring spout device including a body and a handle forming part with a medially disposed pointed spindle to be punched into a carton wall to form an axis of rotation, a cutter fixed on said body and adapted to be pressed into the said wall and to cut a curved kerf and form a flap about said axis when the handle part is rotated; said part provided with a segmental element complementary to the cut kerf to form a spout, and means cooperative with the handle part for clamping the spout segment to the cut flap.

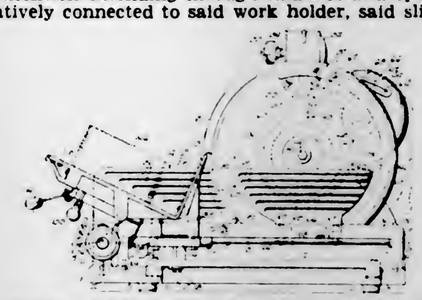
2,004,601

SLICING MACHINE

Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application June 30, 1930, Serial No. 464,823
22 Claims. (Cl. 146—102)

1. A slicing machine comprising a slicing knife, a work holder, a guide for said work holder, a cover for said guide, and a guard forming an extension of said cover for protecting said guide on the side thereof adjacent said knife, said guard having a longitudinal opening therein, and a slice receiving table having an extension extending through said slot and operatively connected to said work holder, said slice



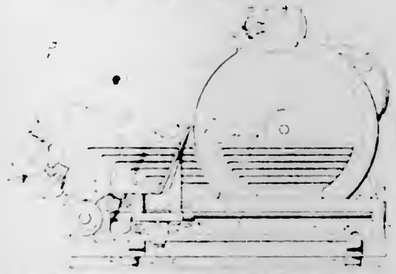
receiving table being adapted to receive the slices as they are cut by said knife.

2,004,602

COMBINED WORK HOLDER AND CLAMP

Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application July 3, 1930, Serial No. 465,597
19 Claims. (Cl. 146—217)



1. In a work support for slicing machines, the combination with a plate having an opening therein, of a frame slidably mounted in said opening for movement substantially parallel to the supporting surface of said plate, and a supporting member mounted on said frame and adapted to occupy a position in substantially the same plane as said plate, said member being also movably mounted on said frame for movement to a position at an angle to said plate, and means for clamping a substance against said member while said member is in either of said positions.

2,004,603

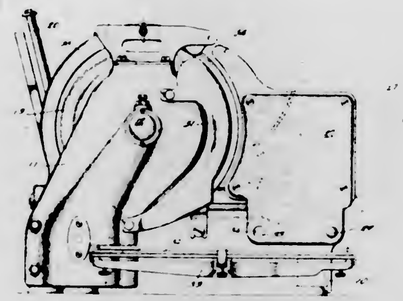
GAUGE PLATE CONSTRUCTION

Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application October 11, 1932, Serial No. 637,246
18 Claims. (Cl. 146—102)

1. A slicing machine comprising a support, a knife, a gauge plate slidably mounted on said support with one edge thereof near the edge of said knife when in operative position, micrometer control means for actuating said gauge plate rectilinearly in a direction away from the cutting plane of said knife to move the substance engaging surface thereof through successive parallel positions, said control means being operable through variable increments of movement whereby to position said gauge plate in various gauging positions with respect to the

knife, said gauge plate being also movable in a plane parallel to its substance engaging portion when the gauge plate reaches a predetermined



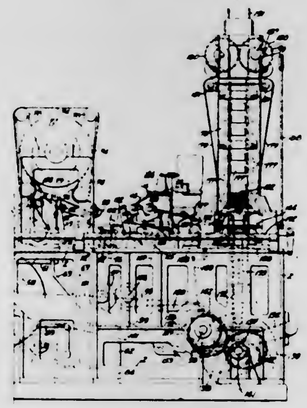
position of rectilinear adjustment, and means for preventing said last mentioned movement of said gauge plate until the same reaches said position.

2,004,604

BOX MAKING MACHINE

George F. Ford, Los Angeles, and Walter F. Pittman, Huntington Park, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware

Application February 14, 1933, Serial No. 656,692
14 Claims. (Cl. 93—47)



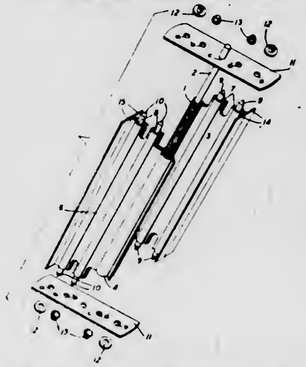
1. A machine for making boxes from blanks comprising means for holding a nest of the boxes, a forming head shaped to fit the interior of the box, a plurality of movable elements between which the head is adapted to pass, means for positioning a blank between said head and elements, means for moving the head against the blank to drive the latter between the elements, means operating in time with the head moving means for moving said elements against portions of the blank for folding said blank about the head to form a box, and means for continuing movement of the head to drive the newly formed box past said elements and into the nest.

2,004,605

ELECTRON DISCHARGE TUBE

Frank D. Goodchild and Wilfrid E. Benham, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1933, Serial No. 669,320
In Great Britain May 6, 1932
4 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an enclosing vessel, a unitary assembly therein including a pair of spaced insulating members having a plurality of apertures therein, a cathode seated at opposite ends in corresponding apertures in said insulating members, a plurality of supports to one side of said cathode and having ends extending through corresponding apertures in said insulating members, means rigidly fixing said supports to said members, and an electrode having a portion in proximity to said cathode and having an outwardly extending portion secured to said supports, and means separate from said supports for mounting said unitary assembly within said vessel.

2,004,606

PROCESS OF CEMENTING WELLS

Erle P. Halliburton, Los Angeles, Calif.

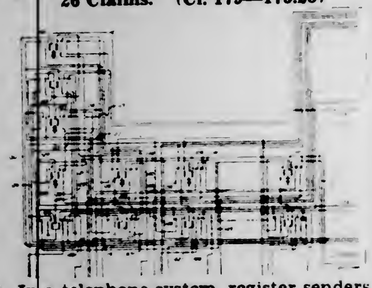
Application May 5, 1934, Serial No. 724,064
5 Claims. (Cl. 166—21)



3. A process of cementing an oil-well having a plurality of spaced apart oil producing sands, which comprises introducing into the oil-well a casing having screen sections at points spaced apart distances corresponding to the distances

between the oil producing sands, the casing being lowered until said screen sections are opposite the oil producing sands, then circulating a non-hardening fluid through the casing and up to the surface of the well, thereafter introducing a closure means adapted to open communication through the sides of the casing at a point above and adjacent to the lowermost oil sand, thereafter introducing cement through the casing and into the well-hole at said point above and adjacent to the lowermost oil producing sand and forcing the same to rise upwardly, thereafter introducing a second closure means on top of said cement, thereafter introducing a non-hardening fluid and a third closure means adapted to open communication through the sides of the casing at the point of the next oil producing sand, thereafter introducing a non-hardening fluid at the next higher oil sand and forcing the same to rise upwardly so as to remove cement, if any, opposite said second higher oil sand, thereafter introducing a fourth closure means on top of said non-hardening fluid adapted to open communication through the sides of the casing at a point near the top of said second higher sand, and then introducing fluid cement through the casing and forcing the same to enter the well at said point near the top of the second higher sand and forcing such cement to rise upwardly in the well-hole.

2,004,607
TESTING SYSTEM
Ralph K. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1934, Serial No. 720,368
26 Claims. (Cl. 179—175.23)



1. In a telephone system, register senders comprising a plurality of registers for receiving and controlling the transmission of the elements of telephone designations, a testing device for testing said senders including means for transmitting digits to said senders and means for receiving digits from said senders, a key for each digit, a pair of transfer relays for each digit, means for operating said relays to associate said keys with said transmitting means, and means for reoperating said relays to associate said keys with said receiving means.

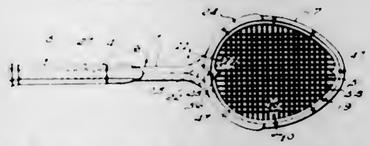
2,004,608
REEL
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1933, Serial No. 701,259
12 Claims. (Cl. 242—74)

1. In a reel the combination of a substantially circular hub, adjacently spaced side flanges secured therewith to form the reel and at least one of which has a portion of materially reduced radius, and means for securing a strip end at said hub for the winding of the strip thereon and ar-



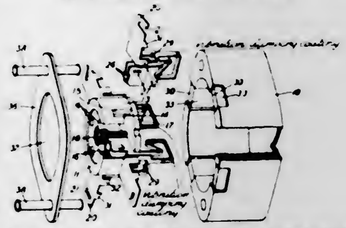
ranged with reference to said reduced flange portion so as to facilitate the securing of the strip end.

2,004,609
TENNIS RACKET
Harry Johnston, Detroit, Mich.
Application March 21, 1932, Serial No. 600,183
4 Claims. (Cl. 273—73)



1. A racket comprising a frame having a pair of parallel bar ends with an elongated recess formed therebetween, a pair of handle sections secured upon said frame and having a pair of tongues projecting into said recess for securing said bar ends in properly spaced relation, and an adjustable weight mounted in said recess between said tongues and the adjacent surfaces of said bar ends.

2,004,610
MOUNTING FOR ELECTRICAL APPARATUS
Edward H. Jones, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 14, 1931, Serial No. 556,953
12 Claims. (Cl. 173—328)

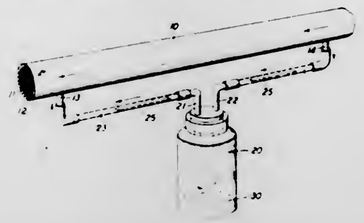


1. A mounting for electrical apparatus comprising a stationary member, a movable socket member, and means for resiliently supporting said socket member from said stationary member, said means having portions cooperating mechanically to finally limit displacement of said socket member in several directions.

9. A mounting for electrical apparatus comprising a stationary support, a movable socket member, means for resiliently mounting said socket member from said support, and a coating of a vibration damping substance on said means.

2,004,611
FLOW INDICATOR
Walter C. Kleinfelder, Rosebank, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1932, Serial No. 634,571
17 Claims. (Cl. 23—230)

1. A flow indicating device comprising a tubular conduit, a visible chemical indicator in one part of said conduit, and a supply of reactive fluid in another part of said conduit and normally out of contact with said indicator, said fluid



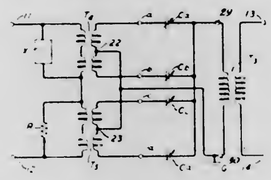
being visibly reactive with said indicator when admitted into contact therewith by admission to said conduit of the flow to be observed.

2,004,612
CABLE AND METHOD OF MAKING SAME
Henry R. Massingham, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 14, 1933, Serial No. 689,377
15 Claims. (Cl. 173—13)



1. A method of making a non-self-inductive cable, which comprises the step of folding a group of strands to and fro into recurrent waves.

2,004,613
PHASE SHIFTING APPARATUS
Larned A. Meacham, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1933, Serial No. 686,352
17 Claims. (Cl. 178—44)



1. In a variable phase shifter, four branches in parallel, each branch comprising a variable capacitor, the rotors of said capacitors consisting of two sets of plates mounted in quadrature on a common shaft, and the capacitance of each of said capacitors having a sinusoidal variation with respect to the angular displacement of said rotors.

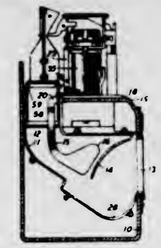
2,004,614
CONTAINER FOR ABSORBENT COTTON
Glenn B. Meagher, Chicago, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application December 13, 1930, Serial No. 502,042
12 Claims. (Cl. 206—63.5)

10. A dispensing container for cotton comprising a box, a quantity of cotton in strip form therein, an outlet opening of less area than the cross-sectional area of said strip, and means engaging the strip for guiding it to said outlet



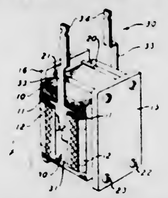
opening at a predetermined angle with respect thereto.

2,004,615
COIN COLLECTING APPARATUS
Percy E. Mills, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1934, Serial No. 709,060
15 Claims. (Cl. 179—6.3)



1. In a coin collecting device, a coin refund chute, a pendent lever extending downwardly into said chute, means for supporting said lever to permit movement of said lever when the lower end of said lever is subjected to pressure from any direction in a given horizontal plane and electrical contact means actuated by said movement.

2,004,616
ELECTRIC APPARATUS
Robert E. Park, Jr., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1933, Serial No. 660,123
7 Claims. (Cl. 175—41)



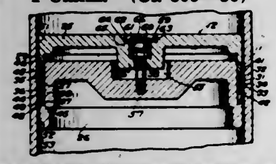
1. A sheet metal electrical terminal having two clips integral therewith and each arranged in U shape with the closed portions of the U facing each other for gripping two groups of conducting members to connect all of the conducting members together.

2,004,617
JACK FOR KNITTING MACHINE NEEDLES
Edmond O. Roy, Franklin, N. H., assignor to Franklin Needle Company, Franklin, N. H., a corporation of New Hampshire
Application May 12, 1934, Serial No. 725,325
1 Claim. (Cl. 66—124)



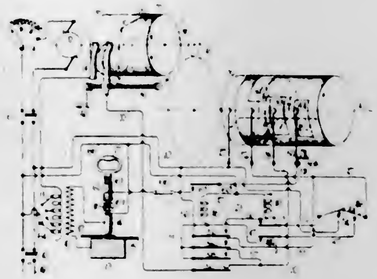
A jack for use in knitting machines comprising a body portion having a shallow elongated recess in one side thereof, which recess is deeper at one end than the other, and a leaf spring in said recess, said body having integral therewith a spring-retaining projection extending from the bottom of the deeper portion of the recess through one end of the spring, said projection having a greater transverse dimension in the lengthwise direction of the spring than in a direction transverse thereto and being headed over to retain the spring thereon, the exposed surface of the head lying below the side face of the jack.

2,004,618
PRESS-HEAD FOR STUFFING MACHINES
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application July 29, 1933, Serial No. 682,878
1 Claim. (Cl. 309—36)



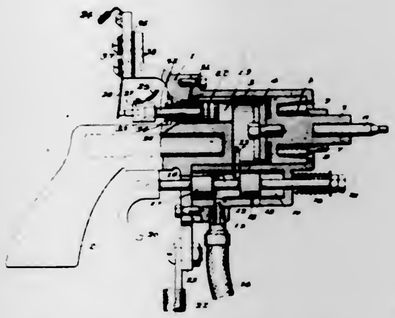
In a press-head, the combination of a closed elastic annular band containing rubber bodily extensible and contractible as a closed annulus in radial directions to change its diameter and having ends whose inner peripheries are inclined inwardly toward each other and outer peripheries tapering toward the respective ends of said closed elastic annular band, said closed elastic annular band further having a cross-sectionally outwardly bulged annular middle portion between said ends and located in an outer annular groove between relatively axially movable press-head sections having guiding means between them extending in axial direction for separating movement and approaching movement between said press-head sections during opposite axial reciprocations of said press-head, said press-head sections provided with limiting means limiting separating movement between said press-head sections, the respective ends of said outer annular groove, forming annular shoulders, closed annular elastic bands containing rubber and of less elasticity than said first-named closed elastic annular band and located in said outer annular groove between said respective annular shoulders and the respective ends of said first-named closed elastic annular band, the adjacent ends of said second-named closed annular elastic bands having annular end inclined faces inclined outwardly away from each other and coacting with said first-named inclined ends for movement behind said first-named inclined ends upon approach between said press-head sections and for recession from said last-named position upon recession between said press-head sections.

2,004,619
WELDING SYSTEM AND METHOD
John P. Tarbox, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 27, 1931, Serial No. 525,674. Divided and this application April 21, 1932, Serial No. 606,630
4 Claims. (Cl. 219—4)



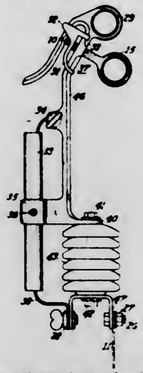
2. The method of indirect resistance welding which comprises supplying the necessary pressure by impact and welding current substantially only during such impact.

2,004,620
PORTABLE WELDING TOOL
John P. Tarbox, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1932, Serial No. 608,874
Renewed August 20, 1934
4 Claims. (Cl. 219—4)



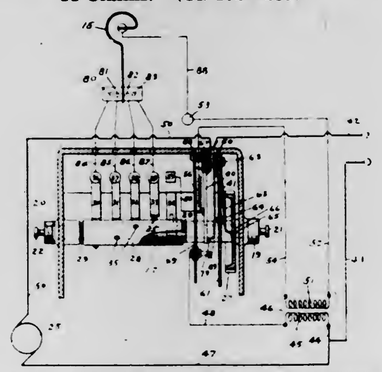
1. The method of spot welding without the necessity of rigidly clamping the work between the electrodes, which comprises applying an electrode to one side of the work between the work and a free moving mass, applying a force between the electrode and the mass to move the mass away from the electrode, utilizing the reaction pressure exerted during the accelerating movement of the mass to press the electrode against the work, and passing a welding current through the work by way of the electrode only during a time interval within the time of said accelerated movement.

2,004,621
FUSIBLE LINE TAPPING DEVICE
Carroll H. Walsh, Pine Bluff, Ark., assignor to Tips Tool Company, Inc., Taylorville, Ill., a corporation of Illinois
Application March 26, 1934, Serial No. 717,463
5 Claims. (Cl. 200—115.5)



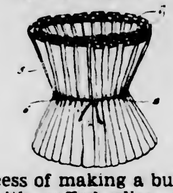
1. A fusible line-tapping device comprising a clamp of conducting material arranged to cooperate with a line conductor and to be detachably supported thereby, a fuse tube of insulating material open at both ends, means including an integral portion of said clamp for rigidly supporting said tube near the midpoint thereof, an insulator, means combined with one end of said insulator for cooperating with an integral portion of said clamp for rigidly securing said insulator thereto, a terminal adapted to engage a load wire rigidly secured to said insulator adjacent the other end thereof, and means including a fuse link extending through said tube for connecting said clamp to said terminal.

2,004,622
REMOTE CONTROL REGULATOR MOTOR
Everett H. White, St. Paul, Minn.
Application September 24, 1930, Serial No. 484,108
11 Claims. (Cl. 172—239)



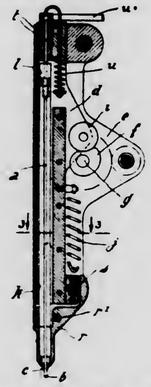
1. In an electrically operated mechanism for the remote control of a device requiring motive power to effect its operation, a motor for regulating said device, an operating electrical circuit for said motor including a motor starting switch, a transformer, a primary circuit for said transformer, a remotely controlled electrical circuit including the secondary of said transformer, means in said remotely controlled electrical circuit for closing said motor starting switch, and means operative upon the setting of said regulator motor into operation to break the primary circuit of said transformer and thus discontinue flow of current in said remotely controlled electrical circuit, said last mentioned means maintaining the motor starting switch closed.

2,004,623
BUFFING OR POLISHING WHEEL
Albert S. Yohe, Jersey City, N. J., assignor to The Bias Buff & Wheel Company, Inc., New York, N. Y., a corporation of New York
Application February 1, 1934, Serial No. 709,342
4 Claims. (Cl. 51—193)



2. The process of making a buffing or polishing wheel unit with ruffled plies, which comprises gathering a strip of suitable material along its median line, then rolling the gathered strip upon itself to provide the number of plies required in the unit, and afterwards folding the gathered and wound strip and further gathering it on its median line around and to form a central opening.

2,004,624
DEVICE FOR SETTING TUBULAR RIVETS
Jean Baptiste Seide Antelme, St.-Cloud, France, assignor to Blériot-Aéronautique, Suresnes, France, a company of France
Application May 11, 1933, Serial No. 670,595
In Belgium May 11, 1932
22 Claims. (Cl. 218—19)



1. In an apparatus for the setting of tubular rivets with an inner collar, a supporting frame, a magazine tube fixedly mounted on the said supporting frame, a spindle disposed in the magazine tube and movable with respect to the said magazine tube, said spindle comprising on the one hand a rod on which a plurality of rivets are previously engaged in the order in which they are to be set and on the other hand a head on which the first rivet to be set rests, actuating members carried by the said frame for actuating the spindle which slides in the first rivet

to be set, the head of the spindle outwardly clenching the inner collar of said rivet for the setting of the latter, and means for supporting and bringing into setting position the rivet engaged on the rod above the first rivet.

2,004,625

METHOD OF PRODUCING PHOTOGRAPHIC DYESTUFF IMAGES

Béla Gaspar, Berlin, Germany

No Drawing. Application February 14, 1933, Serial No. 656,764. In Germany February 15, 1932

6 Claims. (Cl. 95—88)

1. A method of producing photographic dyestuff images in an emulsion containing silver halide and a dye capable of being decolorized by reduction, which consists in simultaneously developing the exposed silver halide and reducing the colored dyestuff at the same points that development is taking place with a bath containing a weak reducing agent and an acid reacting agent.

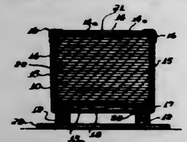
2,004,626

MEANS AND METHOD FOR PACKAGING SHEET MATERIALS

George L. Hann, Staten Island, N. Y., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application April 28, 1932, Serial No. 608,047

6 Claims. (Cl. 206—60)



3. A shipping package for a stack of composition wallboards superimposed upon each other in non-slipping face to face contact, said stack being composed of a multiplicity of crushable composition wallboards of commercial length, composition wallboard panels on the outer surfaces of said stack covering the sides thereof, strong angular protecting members distributed along the edges of the package, and tie wires encircling the package under substantial tension and passing over said protecting members, the combined force exerted by the binding wires and the number of boards in the package being sufficient to produce a solid unbendable block-like package.

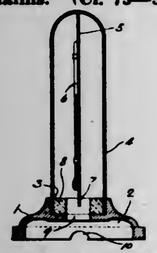
2,004,627

SELF-SUPPORTING THERMOMETER

Julius G. Hoeflich, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a corporation of Ohio

Application December 22, 1930, Serial No. 504,036

5 Claims. (Cl. 73—52)



3. In a thermometer, a circular base of substantially ogee form having in its top a socket to receive a tubular glass housing, an upright tubular glass housing seated in said socket, a chamber in said base communicating with the interior of the glass housing, the base having a vent therein leading from the exterior of the base to the chamber, a graduated thermometer back confined within the housing and a thermometer tube carried by the back.

2,004,628

CARBON REMOVING COMPOSITION

Charles Rexford Keen and Clyde Elmer Moore, San Diego, Calif.

No Drawing. Application January 16, 1934, Serial No. 706,896

1 Claim. (Cl. 87—5)

A carbon removing composition composed of kerosene, creosote, castor oil and amyl acetate, combined in substantially the following proportions: kerosene, forty-nine and one-half percent; creosote, twenty-five percent; castor oil, twenty-five percent and amyl acetate, one-half of one percent.

2,004,629

FENCE POST

William J. Kibler, Tonawanda, N. Y., assignor to Buffalo Steel Company, Tonawanda, N. Y., a corporation of New York

Application January 2, 1932, Serial No. 584,425

8 Claims. (Cl. 256—57)



1. A fence post comprising a face plate provided on its edge with supporting lugs having bevelled edges; and a clip adapted to engage with one of said lugs and adapted to secure one of the strands of a wire fence to said face plate.

2,004,630

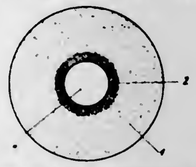
GRINDING DISK

Carl Krug, Frankfort-on-the-Main, Germany

Application March 30, 1934, Serial No. 718,133

In Germany December 6, 1932

4 Claims. (Cl. 51—206)



1. A grinding wheel of uniform basic structure which has an arbor hole therethrough and which has an outer zone and a relatively narrow inner annular zone adjacent the arbor hole to which has been added a strengthening material throughout the thickness of the wheel, the outer zone being unchanged.

2,004,631

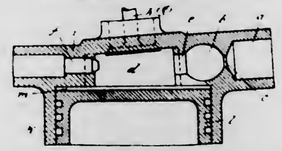
DIESEL ENGINE

Franz Lang, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein

Application March 20, 1933, Serial No. 661,731

In Germany September 7, 1931

5 Claims. (Cl. 123—32)



5. In an injection engine, a cylinder and a piston operating therein, a combustion chamber overlying and opening downward into the cylinder in unrestricted communication therewith for free flow of the fuel mixture and the hot products of combustion downward into the cylinder, an injection nozzle at one side of the combustion chamber and disposed to inject fuel thereinto substantially normal to the cylinder axis, an inner air storage chamber at the other side thereof opening into the combustion chamber through a restricted orifice, and an outer main air storage chamber of materially greater capacity than said inner chamber and opening into the latter through a restricted orifice, said orifices being so related that the flow of air from the main air storage chamber into said inner chamber is materially more restricted than the flow of air from said inner chamber into said combustion chamber.

2,004,632

METHOD OF ENAMELING

Wesley G. Martin, Wilwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

No Drawing. Application June 11, 1934, Serial No. 730,063

7 Claims. (Cl. 91—73)

1. In the art of vitreous enameling ferrous metals by a wet process, the step of improving the physical properties of such an enamel when applied to non-enameling iron and steel stock, which consists in fusing the enamel in an atmosphere substantially devoid of free oxygen, water vapor and hydrogen and containing a mixture consisting principally of nitrogen, carbon dioxide and carbon monoxide.

2,004,633

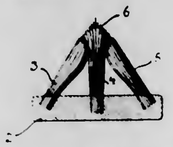
MASSAGE BRUSH

Samuel Charles Miller, New York, N. Y., assignor of one-half to John A. Weis, New York, N. Y.

Application March 14, 1933, Serial No. 660,639

Renewed October 27, 1934

3 Claims. (Cl. 15—167)



1. A massage brush having three longitudinal rows of bristle tufts located in the head thereof, the outer rows being arranged to support the central row and form therewith a brushing surface of an inverted V cross section.

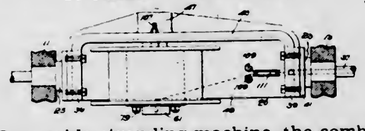
2,004,634

CABLE STRANDING MACHINE

Arthur R. Petterson, Marblehead, Mass., assignor to Thomson-Judd Wire Machinery Company, Lynn, Mass., a corporation of Massachusetts

Application May 12, 1934, Serial No. 725,326

14 Claims. (Cl. 117—20)



1. In a cable stranding machine, the combination with a pair of spaced cradle supporting members rotatable about a common horizontal axis and forming a cradle-holding, stranding structure, of a series of cradles carried between said members and mounted each on trunnion supports in said members and adapted to travel in an orbital path about the axis of rotation of said structure, a spindle carrying member connecting the trunnion supports on each cradle, a fixed, rigid, spool-carrying spindle mounted in and extending from said member and having its opposite end free and detached from said cradle and the latter presenting thereat an open, unobstructed space, a rotatable spool supporting structure mounted on and retained by said spindle, bearings between said structure and said spindle permitting rotary movement of the former on the latter, a spool being adapted to fit over and to be installed on said structure, and means for holding said cradles each against rotation about its individual axis while traveling in its orbital path during rotation of the stranding structure and with the spool-carrying spindle and supporting structure in a substantially horizontal position and in overhung relation to said spindle carrying member, whereby each of said cradles is supported to present the overhanging end of said spindle and supporting structure outwardly from between said cradle members when brought to a loading position in the course of rotation of said stranding structure and a spool may be installed thereon from the side of the stranding structure over the overhung end of said rotatable spool supporting structure.

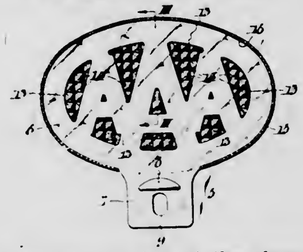
2,004,635

EMBLEM OR SIGN

Wilbur F. Price, Allentown, Pa., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa., a corporation of Maryland

Application March 8, 1934, Serial No. 714,617

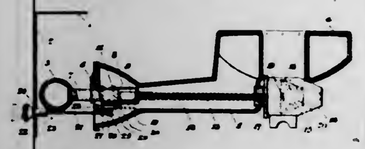
6 Claims. (Cl. 40—135)



1. An emblem or sign of the character described, comprising a stenciled frontal plate of stout sheet metal; an element having an unbreakable embossed reflecting surface at the rear of said frontal plate; a colored sheet of unbreakable transparent material interposed between the

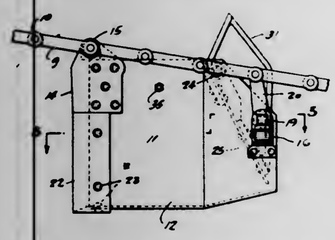
frontal plate and the reflecting surface; and a backing plate of sheet metal for permanent retainment of the reflecting element, said backing sheet having its edge overlapping the periphery of the frontal plate.

2,004,636
TEMPERATURE CONTROLLED VALVE
James Pymm, Brooklyn, N. Y.
Application February 21, 1933, Serial No. 657,772
1 Claim. (Cl. 158—117.1)



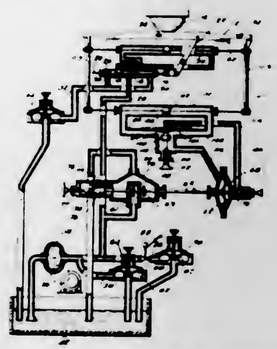
The combination with a gas burner, of a valve chamber containing a passage connecting said burner to a gas main, a rotatable valve in said chamber operable to regulate the flow of gas through said passage, a shut-off valve in said passage, a bellows type thermostat positioned in heating relation to said burner, a frame about said thermostat and connected to move therewith, a rod connecting said movable frame and said shut-off valve, a spring surrounding said rod tending to maintain said shut-off valve closed by tension thereagainst when said thermostat is contracted, means operatively interconnecting said valves and operable to rotate said first mentioned valve and to open said shut-off valve against the tension of said spring and contracted thermostat, a manually operable extension on said interconnecting means for manually holding said plunger valve open until said thermostat is expanded by heat from said burner, ratchet means on said extension to hold said rotatable valve in a selected open position while said shut-off valve is opened, and means responsive to the closing of said shut-off valve operable to disengage said ratchet and to close said rotatable valve.

2,004,637
BUCKET
Lawrence B. Schauer, Huntington Park, Calif., assignor to Ruth Dredger Manufacturing Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application October 23, 1933, Serial No. 694,700
2 Claims. (Cl. 198—140)



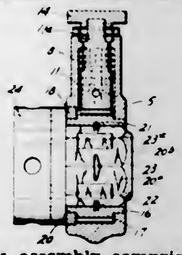
1. In combination, an excavator bucket adapted to be connected to conveyor chains, means for pivotally connecting the bucket adjacent its front and rear to the chains, including hangers for the rear of the bucket, and stops on the bucket for limiting rotation of the hangers.

2,004,638
SPEED GOVERNOR FOR HYDRAULIC DRIVES
Ed S. Smith, Jr., Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application December 22, 1931, Serial No. 582,576
4 Claims. (60—52)



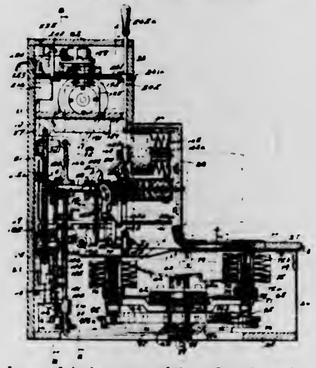
1. In a machine, a movable member subject to other influences affecting its movement, a fluid system for driving said members, means to supply fluid to said fluid system in excess of the amount necessary to give it the desired movement, an auxiliary flow stream responsive in its movement to the movement of the movable member, means to set up a differential pressure in said auxiliary flow stream, a bypass line in said main fluid system, a controller valve in said bypass line, and means actuated by said differential produced by said auxiliary flow stream operative to control said controller valve in said bypass line to automatically bypass from the main flow of fluid in said system an excess of the amount of fluid necessary to continuously maintain a substantially constant movement of the movable member regardless of said other influences.

2,004,639
DIESTOCK
William O. Thewes, North Ridgeville, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio
Application April 11, 1933, Serial No. 665,533
6 Claims. (Cl. 10—124)



1. A die stock assembly comprising an actuating frame, a ratchet drive ring mounted for relative rotation in said frame, pawl mechanism associated with said frame and ring for rotating the latter, a tool-holder provided with a drive barrel which is inserted in and has a driving engagement with said ring, the ring and barrel being formed with coacting contiguous surfaces of polygonal formation, the periphery of the barrel being formed with an annular groove intersecting the corners of the polygon and the contiguous surface of the ring being formed with a complementary groove, and a split spring ring positioned in said grooves and serving to releasably hold the barrel against axial displacement with respect to said ring.

2,004,640
SHOE CLEANING AND POLISHING MACHINE
Mathew Hillard Thornton, St. Paul, Minn.
Application February 1, 1934, Serial No. 709,314
21 Claims. (Cl. 15—35)



1. A shoe shining machine having in combination, a series of rotatable members for engaging the shoe and cleaning and polishing the same, a cam track extending substantially about said shoe, means for moving said members about the shoe out of engagement therewith and controlled by said cam track and for moving said members about the shoe in engagement therewith uncontrolled by said cam track.

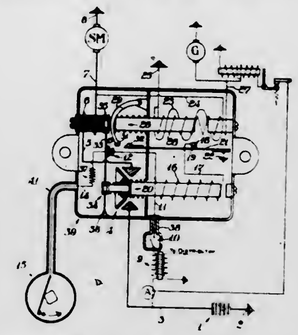
2,004,641
FOUNTAIN PEN
Roger Blomley Watson, Colorado Springs, Colo.
Application August 23, 1934, Serial No. 741,129
4 Claims. (Cl. 120—46)



1. In a fountain pen, the combination of a barrel having a longitudinal slot; a sac pressure bar within said barrel; a main operating lever having a pair of longitudinal projections; an auxiliary operating lever having lugs and a central projection adapted to fit in between the longitudinal projections of the main operating lever; a pin passing through said longitudinal projections and central projecting portions and into the adjacent sides of said slot; said main operating lever being adapted to be operated by an inward pressure upon its free end.

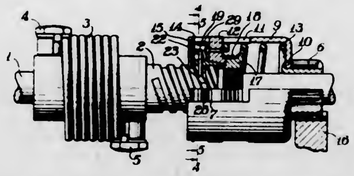
2,004,642
ELECTRICAL SYSTEM FOR INTERNAL COMBUSTION ENGINES
Daniel L. Wertz, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application April 13, 1932, Serial No. 605,045
3 Claims. (Cl. 290—37)

1. In an automatic control for starting and ignition systems for internal combustion engines, a starting circuit including a starting switch, an ignition circuit including an ignition switch and timing mechanism, an electromagnet for controlling said starting switch, a magnetic relay for opening the starting switch by deenergizing said electromagnet when the engine starts, means



whereby said electromagnet causes closure of the ignition switch during the starting operation, and means whereby said relay magnet maintains said ignition switch closed as long as the engine is in operation irrespective of the opening of the starting switch by the deenergization of said electromagnet.

2,004,643
STARTER DRIVE
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application September 2, 1933, Serial No. 687,987
10 Claims. (Cl. 74—7)

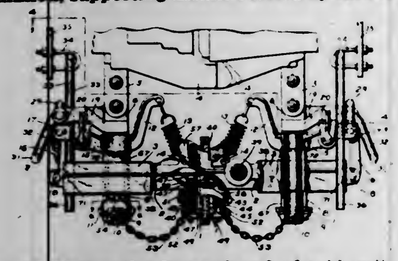


1. In an engine starter drive, a power shaft, an engine driving member mounted for movement with respect thereto into and out of engagement with a member of the engine to be started, means for rotating the driving member from the power shaft including a connection which permits the engine driving member to freely overrun the power shaft, means located between the shaft and the overrunning connection for preventing disengaging movement of the driving member, and means responsive to a predetermined rotational speed of the engine driving member for rendering said preventing means inoperative.

2,004,644
TRAIN PIPE COUPLING
Henry F. Woernley, deceased, late of Wilkinsburg, Pa., by Theodore Robertson Woernley, executor, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 18, 1933, Serial No. 657,402
21 Claims. (Cl. 285—58)

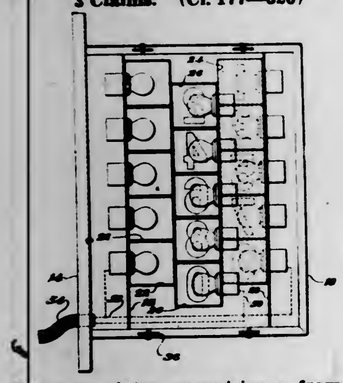
1. The combination with a train pipe coupling unit, of a trunnion adapted to be secured to a

car coupler in fixed relation thereto and in vertical position, a sleeve rotatably mounted on said trunnion, supporting means carried by said sleeve



for supporting the forward end of said unit, and supporting means carried by said sleeve for supporting the rear end of said unit.

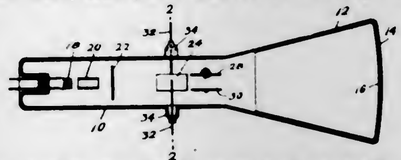
2,004,645
ANNUNCIATOR
Randall B. Baker, Needham, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a corporation of Massachusetts
Application March 20, 1931, Serial No. 524,070
3 Claims. (Cl. 177—326)



1. An annunciator comprising a frame, partitions mounted in said frame, dividing said frame into a plurality of compartments arranged in three vertical columns, a viewing panel for each face of said frame, each panel having two vertical columns of characters, one column of characters on each panel being disposed opposite the middle column of compartments and the other column of characters on said panel being disposed opposite one of the other columns of compartments, the columns and characters on both of said panels being similarly disposed as viewed from the front of each panel, a lamp in each compartment, each character being rendered visible when the lamp in its corresponding compartment is energized.

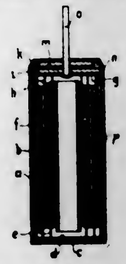
2,004,646
CATHODE RAY TUBE
Carl W. Becker, Allston, Mass.
Application August 18, 1932, Serial No. 629,263
3 Claims. (Cl. 250—27.5)

1. A cathode ray tube having an envelope comprising a tubular neck and an enlarged bell at one end of the neck, a screen at the end of said bell, means including a cathode and an anode at the other end of said neck for projecting a cathode ray on said screen, opposed flat and parallel electrostatic ray-deflecting plates disposed in said neck between said anode and screen and on opposite sides of and parallel with the path of said ray for deflecting it, and conducting supports which carry said plates and are extended gener-



ally parallel with said plates and generally at right angles with the axis of said envelope away from said plates and through the envelope of said tube and are sealed in said envelope out of the line passed between said plates.

2,004,647
ELECTRIC CONDENSER
Karl Beer, Stuttgart, and Gustav Pfrommer, Obertuerkheim, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application January 26, 1932, Serial No. 589,020
In Germany January 28, 1931
7 Claims. (Cl. 175—41)

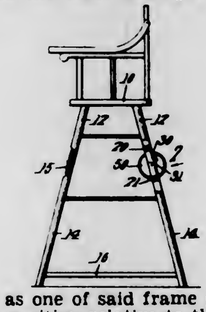


1. An electrical condenser comprising a casing open at one end and closed at the other, a condenser body in said casing including a pair of condenser elements and insulating means between said elements, an electrical connection passing through the open end of said casing, a metallic disc in said casing between the open end thereof and said condenser body and freely bearing against said condenser body, one of said condenser elements being electrically connected through said metallic disc to said connection and the other element being electrically connected to said casing, a rigid cap of insulating material positioned inwardly adjacent the open end of said casing, means on the casing engaging the periphery of said cap in a manner clamping the condenser body between the cap and the closed end of the casing, a cover for said casing, plastic sealing material between said cover and cap, and means for securing said cover in position.

2,004,648
SECURING DEVICE FOR CONVERTIBLE HIGH CHAIRS
Ernest L. Bolster, Gardner, Mass., assignor to Chair Town Manufacturing Co., Gardner, Mass., a corporation of Massachusetts
Application April 12, 1934, Serial No. 720,264
5 Claims. (Cl. 155—38)

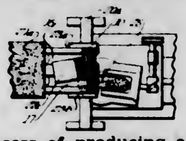
1. A convertible high chair having upper and lower frame parts hinged together at one side, each frame part having a cross round at the opposite side and each frame part having portions projecting beyond its respective cross round and abutting corresponding portions of said other frame part, whereby said rounds are spaced ver-

tically when the frame parts are assembled in operative relation, a pair of latch members mounted on said cross rounds and projecting toward each other for engagement in the space between said cross rounds to collectively form a securing device, one of said latch members having a tongue and the other having a slot receiving



said tongue as one of said frame parts is swung to operative position relative to the other frame part, thereby securely locking said frame parts together, and means on the projecting portions of one of said frame parts overlapping the projecting portions of the other frame part, said latch members lying within and being engaged within the confines of said overlap.

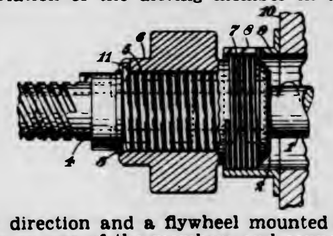
2,004,649
METHOD OF GRINDING WORKPIECES
Clement Booth and Sol Einstein, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application May 19, 1930, Serial No. 453,540
3 Claims. (Cl. 51—278)



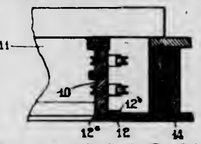
1. The process of producing a tubular article having concentric inner and outer surfaces, consisting in first forming a true cylindrical exterior surface thereon, rotating the article on said preformed surface while internally abrading same and effecting a relative axial translation between the work and abrading member to generate a true inner cylindrical bore, and similarly rotating the work piece on said preformed outer surface while restraining the same against axial movement, abrading a predetermined portion of said preformed outer surface to produce a groove or depression therein, whereby said inner cylindrical surface and outer groove will be produced accurately concentric one to the other through use of the preformed outer surface as a position determinate during their formation.

2,004,650
FREE-WHEEL DRIVING MECHANISM
John Robert Collyear, Bushey, and Samuel Lee Bapty, Harlesden, London, England; said Bapty assignor to Thomas George Baxenden, Hertfordshire, England
Application May 19, 1934, Serial No. 726,532
In Great Britain May 29, 1933
5 Claims. (Cl. 74—7)

1. A driving mechanism adapted to disengage the drive on a sudden decrease in speed of rotation of the driven member comprising a rotatable driving member, a rotatable driven member, a spring connecting the driving and driven members for transmission of the drive and, under static conditions, in light frictional engagement with the driven member and arranged to tend to increase its grip of the driven member on rotation of the driving member in the forward direction and a flywheel mounted for rotation on one of the members and connected to the end of the spring overlying the driven member in such manner that the spring transmits the drive to the flywheel and, on a sudden decrease in speed of rotation of the driven member, the flywheel releases the driving grip of the spring.

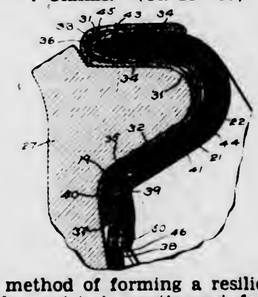


2,004,651
FLUSHING STRIP FOR WINDOW FRAMES
Harry W. Cook, Malta, Ohio
Application March 11, 1935, Serial No. 10,531
3 Claims. (Cl. 20—11)



1. Means for permitting flushing of a wall covering with the stiles and other members of a window frame consisting of a strip rabbeted lengthwise to form two portions only therein of different thickness, whereby either of said portions can be applied to an edge of said frame members according to the thickness of the adjacent wall covering to be applied.

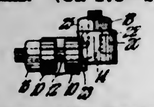
2,004,652
PROCESS OF MAKING CYLINDER PACKINGS
Philip W. Dempsey, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 28, 1933, Serial No. 695,638
7 Claims. (Cl. 18—55)



1. The method of forming a resilient packing disc which consists in coating reinforcing fabric with raw, plastic, curable substance, forming a circular disc from some of said material, form-

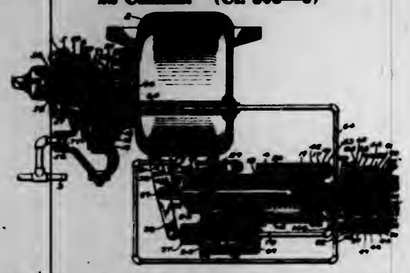
ing a plurality of annuluses from more of said material, joining the inner margin of said annuluses to the margin of said disc in overlapping relationship to form a blank, confining said blank under pressure so as to give it its final form and in applying heat to said blank while so confined for curing it into a resilient one-piece packing.

2,004,653
BATTERY CLAMP DEVICE
Edward A. Duval, Easthampton, Mass.
Application September 13, 1933, Serial No. 689,224
Renewed November 15, 1934
6 Claims. (Cl. 173—259)



1. A device for use with the lugs of a clamp having aligned openings therethrough comprising, a bolt having a body portion for extending through the openings in the lugs and a tail extending angularly therefrom, both ends of the bolt being threaded, a nut on the threaded end of the main body portion of the bolt for abutting the outer face of one lug, a wedge member having an opening receiving the tail of the bolt and having an inclined face for bearing against the outer face of the other lug and a nut on the threaded end of the tail for bearing on said lug to move the same along the tail.

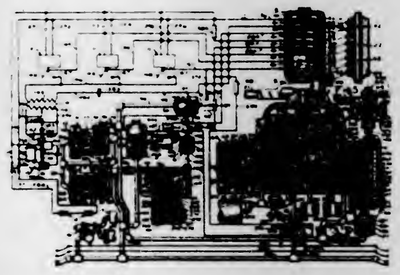
2,004,654
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 4, 1932, Serial No. 596,754
22 Claims. (Cl. 303—6)



1. The combination with a brake lever, of means for applying braking force to said lever and movable a predetermined distance relative to said lever before becoming effective, a brake cylinder piston adapted to be locked to said means for operating said means, and another piston adapted to operate said lever to take up the slack in the brake rigging before the operation of the brake cylinder piston.

2,004,655
REMOTE CONTROLLED BRAKE
Clyde C. Farmer, Pittsburgh, and Raymond E. Miller, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 2, 1933, Serial No. 696,476
6 Claims. (Cl. 303—20)

1. The combination with a brake pipe on a train, of two train wires extending through the train, a source of direct current, direct current controlled normally energized electro-responsive means on a car in the train connected across said train wires and operative upon deenergization to effect a sudden reduction in brake pipe pressure, a pair of switch devices parallel connected in the circuit with said electro-responsive means, a source of alternating current of one characteristic, a second source of alternating current of another characteristic, a brake valve device on the locomotive having a running position for connecting said source of direct current across said train wires and for connecting the first mentioned source of alternating current to said train wires, switch means on the locomotive having a normal position for closing the circuit from said brake valve device to said train wires and operative to another position for opening said circuit and for closing a circuit from said second source of alternating current direct to the train wires, means in a shunt circuit around said switch means when in the first mentioned position for blocking



the flow of alternating current through said shunt circuit, electro-responsive means on said car responsive only to current from the first mentioned source of alternating current for effecting closure of one of said pair of switch devices and operative upon deenergization to effect a service reduction in brake pipe pressure and to effect opening of said switch device, electro-responsive means on said car responsive only to current from the second mentioned source of alternating current for effecting closure of the other of said pair of switch devices, valve means on the locomotive operative to effect a reduction in brake pipe pressure, means controlled by traffic conditions and operative when traffic conditions become unfavorable to effect the operation of said valve means and said switch means to the second mentioned position, means for blocking the flow of alternating current to said source of direct current, means for blocking the flow of direct current to said source of alternating current, and means for blocking the flow of direct current to said electro-responsive means on the car.

2,004,656
STOCKING
John L. Fonville, Burlington, N. C., assignor to King Cotton Mills Corporation, Richmond, Va., a corporation of Virginia
Application June 29, 1934, Serial No. 733,099
6 Claims. (Cl. 66—202)

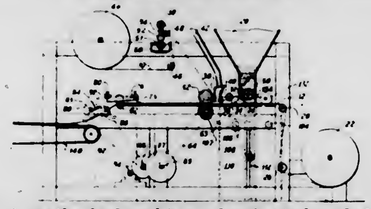
1. A stocking knitted from an undyed regenerated cellulose yarn and having a design knitted therein from an undyed cellulose acetate yarn comprising a filament strand and a spun strand twisted together which is fed to the needles for

a few loops and then withdrawn, whereby cross-dyeing effects can be produced, and whereby the



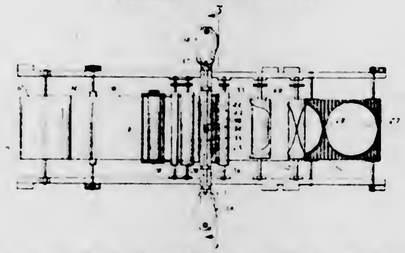
desired luster, strength and anti-skid properties are obtained in the cellulose acetate yarn.

2,004,657
METHOD AND APPARATUS FOR MAKING SEALED PADS
George A. Gerard, Reading, Mass., assignor to Cotton-Wood Products, Inc., Reading, Mass., a corporation of Massachusetts
Application November 10, 1931, Serial No. 574,066
39 Claims. (Cl. 154—33)



1. A method of making a laminated sealed pad which consists in depositing fibrous material on a traveling fabric sheet, removing at intervals portions of the material over transverse narrow bands, applying an upper fabric sheet, sealing the sheets over the transverse areas from which the material has been removed, and severing the the sheets in the transverse band portions.

2,004,658
METHOD AND MACHINE FOR MAKING CUSHION PADS
George A. Gerard, Reading, Mass., assignor to Cotton-Wood Products, Inc., Reading, Mass., a corporation of Massachusetts
Application November 10, 1931, Serial No. 574,067
Renewed August 4, 1934
22 Claims. (Cl. 154—33)



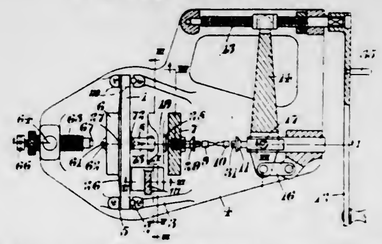
1. A method of making a cushion pad which consists in forming a continuous bat of fibrous material, trimming the bat to a desired non-rectangular shape, placing the bat between fabric sheets, causing the fabric sheets to adhere around the peripheral edge of the bat, and cutting the sheets around the edge of the bat.

2,004,659
TABLE FORK
Robert D. Groch, Sacramento, Calif.
Application August 9, 1933, Serial No. 684,308
5 Claims. (Cl. 30—5)



1. A table-fork comprising a handle, a tine-assemblage rotatable with respect to the handle, and spaced apart lugs extending laterally from the outer tines, forming food positioning and maintaining means.

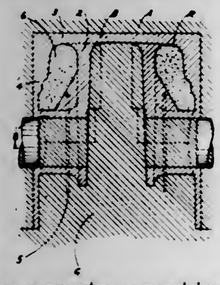
2,004,660
MATERIAL STRENGTH TESTING MACHINE
Leslie Haywood Hounsfield, London, England
Application October 21, 1931, Serial No. 570,243
In Great Britain April 17, 1931
9 Claims. (Cl. 265—18)



9. In a testing instrument for measuring physical properties of steel and other materials under load, the combination of a base, means carried by the base for applying a tensile load to one end of a specimen under test, supports fixed to the base, a stiff plate-spring anchored at its ends to said supports, packing pieces of shock-absorbing material interposed between the spring and the supports, means for coupling the other end of the specimen to the center of the spring to deflect the latter in proportion to the load applied to the specimen, a spring clip mounted centrally on the spring, an indicator-needle carried by the spring clip, an upstanding V-shaped ridge formed on the base adjacent to the spring and at right angles thereto, a bracket slidably mounted on the base and formed with a V-shaped groove engaging the said V-shaped ridge, a microscope carried directly by the bracket for observing the point of the indicator-needle, a cross-wire in said microscope, micrometer adjusting means for adjusting the said

bracket along the V-shaped ridge on the base to enable the cross-wire to be aligned with the virtual image of the point of the indicator-needle, a coil-spring for holding said bracket in engagement with the micrometer adjusting means, a scale associated with the micrometer adjusting means for measuring movements of the bracket along the base, and means whereby the effective length of said plate-spring may be varied in order that the scale markings may indicate directly the load per unit area on the specimen.

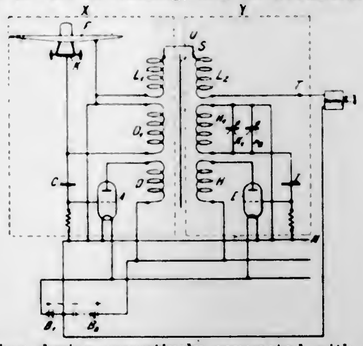
2,004,661
PISTON SAND CORE
Frank Jardine, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 10, 1930, Serial No. 443,081
4 Claims. (Cl. 22—165)



1. Molding apparatus comprising a permanent mold having a casting cavity therein shaped to form the outer walls of a piston, a permanent core construction removably positioned within said casting cavity and spaced from the walls thereof to define the inner surfaces of the piston skirt at the open end thereof, the sides of said core construction being offset inwardly to form the inner surfaces of a pair of piston pin bosses and the inner surfaces of webs extending from said piston pin bosses to the skirt, the offset portion of said core construction being extended to form a portion of the inner surface of the piston head and to form the inner walls of a pair of hangers extending from said piston pin bosses to the head and a pair of sand cores arranged to provide re-entrant recesses between each of the sand cores and the permanent core to form the outer side surfaces of the hangers and the webs and the adjacent inner surfaces of the piston skirt and head.

2,004,662
MEANS FOR MEASURING THE DISTANCE OF AN AIRCRAFT FROM GROUND
Hugo Junkers, Dessau, and Heinrich Wigge, Koethen, Germany
Application February 7, 1931, Serial No. 514,216
In Germany February 12, 1930
3 Claims. (Cl. 177—352)

1. A device for measuring the distance of an aircraft from ground comprising two self-excited oscillating circuits arranged so as to produce a beat note, means for automatically varying the resonant frequency of one of said circuits in accordance with the distance of the aircraft from ground, means for maintaining the resonant frequency of the other circuit at a value independent of the distance of the aircraft from ground, said oscillating circuits being so tuned and coupled that the beat note disappears at a predetermined altitude at which the aviator performs an act in landing, and an acoustical in-

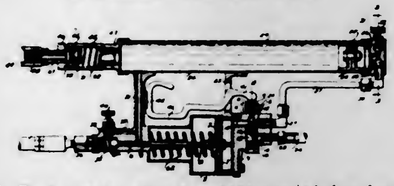


dicating device operatively connected with said oscillating circuits.

2,004,663
METHOD OF UTILIZING THE NITROGEN IN NITROSYL CHLORIDE
Oskar Kaselitz, Berlin, Germany
No Drawing. Application April 12, 1932, Serial No. 604,875. In Germany July 9, 1931
1 Claim. (Cl. 23—102)

The method of recovering nitric acid from nitrosyl chloride and utilizing same in a cyclic process comprising heating nitrosyl chloride to decomposition temperature, rapidly cooling the gas mixture thus obtained by an addition of oxygen, passing a liquor obtained by washing artificial potassium nitrate in counter-current to the gas current to separate nitrogen dioxide from chlorine while controlling the proportion of the washing liquor so as to ultimately obtain a solution of potassium nitrate in strong nitric acid, withdrawing said solution and re-using it in the conversion of fresh quantities of potassium chloride into potassium nitrate.

2,004,664
MUZZLE LOADING GREASE GUN
Steven J. Krannak, Minneapolis, Minn., assignor to Min-A-Max Co., Minneapolis, Minn., a corporation of Minnesota
Application October 21, 1931, Serial No. 570,078
2 Claims. (Cl. 221—47.3)



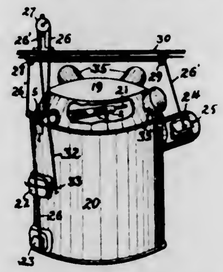
1. In a grease gun, a grease-containing barrel provided at one end with a grease inlet and at its opposite end with an air inlet passage and between said two noted passages a grease-outlet passage, a normally closed valve in said grease intake passage having a projecting nozzle which, when pressed toward the interior of the barrel, opens said grease intake valve, a valve in said air intake passage arranged to be opened by pressure toward the interior of said barrel, a floating piston working in said barrel between said air intake port and said grease outlet passage, means for controlling the discharge of grease from said grease-discharge passage, and means for releasing the air pressure in said barrel between said piston and said air intake valve, so that said piston may be retracted when grease pressure is applied to said barrel past the pressure-opened intake valve of said grease intake passage.

2,004,665
METHOD OF TIGHTENING LOOSE RIVETS IN STRUCTURAL MEMBERS
Arthur G. Leake, Bridgeport, Conn.
Application December 30, 1931, Serial No. 583,816
2 Claims. (Cl. 29—150)



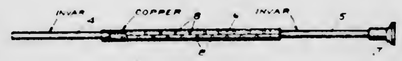
2. The method of tightening an elongated rivet in structural members while under load which comprises holding one head of the rivet tightly against one of the members, and while the rivet is so held welding the periphery of the other head to another member by building up a ring of weld metal around the head between it and the member and welding it to the head and the member.

2,004,666
FURNACE REGULATOR
Thomas J. Long, South Bend, Ind.
Application April 30, 1934, Serial No. 723,095
7 Claims. (Cl. 236—16)



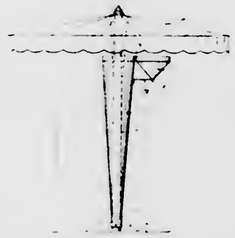
3. In apparatus for controlling automatically the draft and check dampers of a furnace, a thermostat disposed in the hot air bonnet of said furnace, an arm pivoted in the head of said thermostat and actuated thereby provided with sheaves in its free end, a rock frame pivoted in said head provided at its free end with sheaves alined with the sheaves in said arm, a supported adjusting drum more or less remote from said furnace, and a cable engaging said sheaves and connected with said drum to be adjustably moved thereby, one end of said cable being connected with the draft damper of the furnace and the opposite end of said cable being connected with the check damper therefor.

2,004,667
THERMOSTAT
Robert Henri Mautsch, Brussels, Belgium, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application November 17, 1931, Serial No. 575,512. Divided and this application March 28, 1933, Serial No. 663,149. In Great Britain November 18, 1930
5 Claims. (Cl. 297—11)



2. A heat expansible element for a thermostat comprising two non-heat expansible sections and an integrally united heat expansible section intermediate the non-expansible sections forming a uniform lineal structure of a definite length, the length of the expansible section relative to the lengths of the non-expansible sections being chosen such that the coefficient of expansion of the element as a whole is a selected predetermined quantity.

2,004,668
TENT
Michael J. McAuliffe, Vicksburg, Miss.
Application November 9, 1934, Serial No. 752,203
5 Claims. (Cl. 135—5)

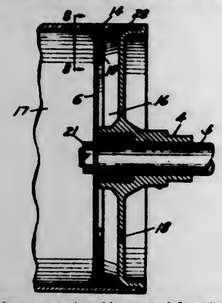


1. In a device of the kind described, a post, a folding rib assembly on the post, and a casing slidably mounted on the post and adapted to cover the ribs when they are folded.

2,004,669
PACKING CUP
Raymond E. Miller, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 9, 1932, Serial No. 632,362
7 Claims. (Cl. 309—6)

7. In combination, a cylinder and a piston movably mounted in said cylinder, said piston comprising a central portion and a skirt portion affixed to and carried by said central portion and engaging the wall of said cylinder, a peripheral groove in said skirt portion at the edge thereof

adjacent said central portion, and a lubricating wick in said peripheral groove, a portion of the

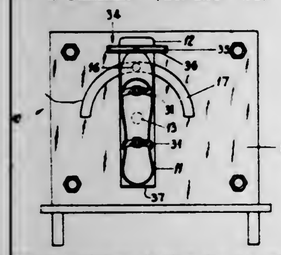


central portion contacting said wick and cooperating with said groove for carrying the wick.

2,004,670
MANUFACTURE OF SOAP POWDERS
Charles Watson Moore, Warrington, Lancaster, and Horatio Ballantyne, Tadworth, Surrey, England, assignors to Lever Brothers Limited, Port Sunlight, England, a company of Great Britain
No Drawing. Application April 2, 1932, Serial No. 602,870. In Great Britain May 22, 1931
14 Claims. (Cl. 87—16)

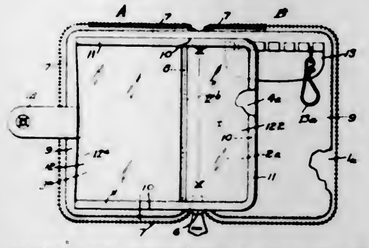
12. As an article of manufacture a perborate soap powder containing sodium silicate and magnesium chloride uniformly distributed therein as stabilizing substance in amount equivalent to 0.1 per cent to 0.3 per cent of magnesium oxide (MgO) on the weight of the soap powder.

2,004,671
HEALTH PROMOTING MACHINE
William John Nelson, New York, N. Y.
Application November 27, 1933, Serial No. 699,934
2 Claims. (Cl. 128—24)



1. In an exercising device for causing twisting movements in a human limb while the free and fixed members of said limb are in alignment, the combination with a horizontal spindle having a vertical member mounted thereon intermediate the ends of said member, said member having means for gripping the free extremity of a human limb, means for oscillating said vertical member to cause rapid and sudden reversals in the twisting of said limb, said means comprising a box-like frame having spaced front and rear walls, said front wall having a circular slot adjacent the upper end of said vertically mounted gripping member, a drive pin secured to said vertical member and extending through said slot, an arm rotatably mounted intermediate its ends on said spindle and having its upper end fixed to said drive pin, a pin fixed to the lower end of said arm and having a link rotatably mounted thereon, a drive shaft rotatably mounted in said rear wall and having a crank arm fixed thereon and facing said front wall, the free end of said crank arm being movably connected to one end of said link and means for rotating said drive shaft.

2,004,672
POCKET CASE
Patrick W. Penta, Stoneham, Mass.
Application May 16, 1933, Serial No. 671,323
1 Claim. (Cl. 150—39)

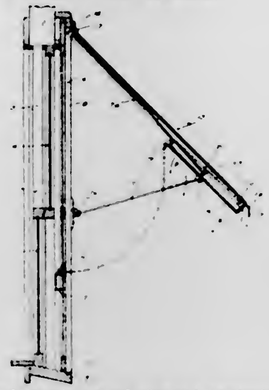


A pocket case comprising a cover member, a lining therefor, the case foldable vertically to form two panels, one panel having on its inner face automobile-identifying-element securing means; a second panel having additional modified automobile-identifying-element securing means, said additional means comprising a pocket member with a transparent cover and a back, hinged vertically at its inner edge to the second panel, adjacent the fold line of the case cover; the pocket ends and its free side closed with a binding which extends over, upon and is secured to the second panel of the case adjacent the fold line thereof; and said binding with the lining of the said second panel, and a transparent cover therefor, forming a panel pocket with open sides, the inner side of the closed end panel pocket registering with the inner side of the closed end hinged pocket, and thereby, when used jointly, forming a two-part, foldable pocket for a longer automobile-identifying-element, the pocket having an opening at its outer edge and also near the medial line of the case, whereby an automobile-identifying-element may be inserted at the outer edge of the panel pocket, or the inner edge of the hinged pocket and successively into both pockets for observation through the transparent covers; and a strap-like member for locking the hinged pocket to the cover, thereby closing the outer side entrance to the panel pocket and the inner side entrance to the hinged pocket, and thus the foldable pocket; and a case-locking means on the case edge, as a further securing means for said elements.

2,004,673
MANUFACTURE OF A NUTRIENT MEDIUM
Ernst Pieper, Berlin-Tempelhof, and Walter Wolffenstein, Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application April 12, 1932, Serial No. 604,866. In Germany May 26, 1931
1 Claim. (Cl. 167—78)

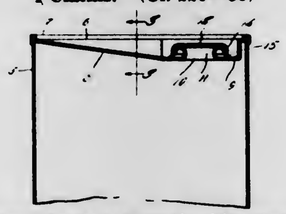
A nutrient medium suitable for use in the cultivation of gonococci which consists substantially of an aqueous extract of placentæ in plain water containing at least about 1.5 parts placenta to 1 part of aqueous extract, having a pH of about 7.2 to 7.4, and which may contain the usual additions used for bacteriological purposes.

2,004,674
CLOSURE FORMING AWNING
Frank R. Quisenberry, Tampa, Fla., assignor of twenty-five per cent to Francis E. Geary, twenty-five per cent to George W. Mansfield, twenty-five per cent to Martin H. Samson, and twenty-five per cent to Nathaniel L. Spengler, all of Tampa, Fla.
Application May 5, 1933, Serial No. 669,589
1 Claim. (Cl. 189—55)



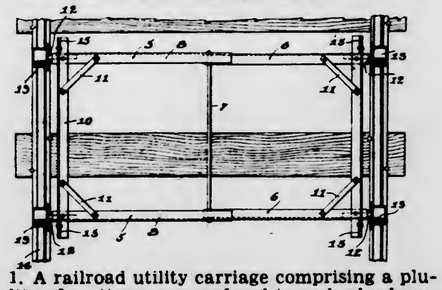
A combined awning and closure assembly comprising a relatively large main awning section, means for attaching the upper end thereof to a window frame, a complementary relatively small lower section hingedly attached to the extreme lower ends of said upper section, a spring carried by said upper section, one end thereof being connected to the upper end of said main awning section, and the other end extending to substantially the mid-point of the main section, a rod secured to the free end of the spring and adjustably attached to the lower awning section intermediate the upper and lower edges thereof, a pull chain connected to the lower end portion of said upper section, stay links pivotally connected at their outer ends to the intermediate outer edge portion of said lower section, and brackets to which the inner ends of said links are connected, said brackets being adapted for anchorage on the window frame at predetermined points.

2,004,675
CAN COVER
William Albert Rathbun and Frank Joseph Doyle, Grand Rapids, Mich.
Application March 9, 1934, Serial No. 714,849
4 Claims. (Cl. 220—66)



1. A cover for a can or the like comprising a disk like body formed with a trough extending from one edge to a point spaced therefrom and merging into a well, the bottom of the trough inclining downwardly to the bottom of the well, said bottom of the well being provided with an opening, and cap means associated with said opening.

2,004,676
HAND CAR
Albert G. Seitter, Wilmington, N. C.
Application October 18, 1934, Serial No. 748,906
5 Claims. (Cl. 105—160.5)



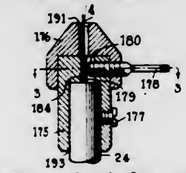
1. A railroad utility carriage comprising a plurality of sections arranged end to end, wheels rotatably mounted upon the outer end of each sections, and a rod pivotally connecting the inner ends of the sections, one of said sections being provided with series of apertures to removably receive the rod whereby the width of the carriage may be adjusted.

2,004,677
REPAIR LINK
Lloyd Stowe, Corry, Pa., assignor to Raymond Manufacturing Company, Corry, Pa., a corporation of Pennsylvania
Application September 6, 1927, Serial No. 217,835
1 Claim. (Cl. 59—85)



A repair link for tire chains composed of a wire rod bent into two open loops with the intermediate portion thereof positioned diagonally therebetween, the free end portion of each loop being bent outwardly out of the plane of said diagonal portion and being of such a length that it will substantially abut but not overlap the diagonal portion when in closed position, the ends of said loops being adapted to be bent into closed position in the plane of said diagonal portion.

2,004,678
SCROLL SAW CHUCK
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Original application June 7, 1933, Serial No. 674,748, now Patent No. 1,984,500, dated December 18, 1934. Divided and this application October 9, 1933, Serial No. 692,869
11 Claims. (Cl. 279—44)



1. A saw-holding chuck for a scroll saw comprising a tubular member having a non-tubular cylindrical end portion with a substantially longitudinal slot therein and open at said end thereof, a head fitting over said cylindrical end of the tubular member and having an axial bore, a

screw passing through a portion of the head and a portion of the non-tubular cylindrical end of the tube and threaded through one of said members and a resilient chuck jaw arranged within said slot to cooperate with said screw, whereby a saw blade may be clamped between one surface of the said slot and the said resilient jaw.

2,004,679
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application January 9, 1933, Serial No. 650,772
1 Claim. (Cl. 24—73)



A snap fastener for holding tubes and the like, comprising an integral strip of resilient metal of uniform width throughout, said strip being bent intermediate its ends to form a head portion greater in extent than an opening in a support through which the fastener is adapted to be passed, said head being adapted to rest against one face of the support, a pair of arms extending from the head and adjacent the midportion thereof, the arms being flared outwardly to provide shoulder portions that are adapted to rest against the opposite face of the support and to receive a tube or similar article, and being then extended inwardly toward each other to embrace the tube, and said arms being flared outwardly again adjacent their free ends to facilitate the admission of a tube.

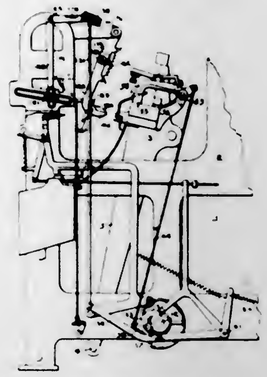
2,004,680
OPEN ELECTRIC ARC-LAMP FOR THE GENERATION OF ULTRA-VIOLET RADIATIONS
Max Volmer, Neubabelsberg-Steinstucken, Germany
Application June 24, 1933, Serial No. 677,454
In Germany January 21, 1932
10 Claims. (Cl. 176—51)



1. A non-oxidizable electrode for an open arc lamp, comprising a portion made of a mixture of a highly refractory oxid and another oxid which copiously produces ultra-violet rays at the temperature of the arc, a highly refractory metallic rod, one end of said rod terminating within the said portion and the other end projecting freely out therefrom and a coating of conductive material on the said portion, establishing conductive connection with the said metallic rod.

2. A non-oxidizable electrode for an open arc lamp, comprising a portion made of a mixture of zirconium oxid and iron oxid, a highly refractory metallic rod, one end of said rod terminating within the said portion and the other end projecting freely out therefrom and a coating of conductive material on the said portion, establishing conductive connection with the said metallic rod.

2,004,681
SHUTTLE CHANGING LOOM
Lewis S. Vose, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application April 4, 1932, Serial No. 603,051. Divided and this application May 24, 1933, Serial No. 672,667
7 Claims. (Cl. 139—227)



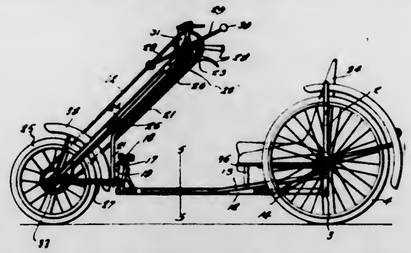
1. In a shuttle changing loom which stops with the lay at back center to effect shuttle change, means to replace a depleted shuttle with a fresh shuttle and then resume weaving operations, a center filling stop motion to detect the condition of weft in the shed every pick of the loom except the one immediately following the resumption of weaving, a thread clamp to hold the thread of the depleted shuttle after the latter has been ejected from the loom, and additional means to detect the condition of weft held by the clamp on said pick and prevent continued running of the loom if the thread laid by the expelled shuttle fails to be held by the clamp.

2,004,682
METHOD OF ARTIFICIALLY COLORING ROOFING GRANULES
Stephen G. Wright, Chicago, Ill.
No Drawing. Application November 20, 1933, Serial No. 698,931
6 Claims. (Cl. 91—70)

2. As a new article of manufacture, adapted to be used in connection with asphalt roofing, rock particles having thereon a fused cullet glaze, said glaze comprising a major portion of fused low melt point cullet, having imbedded therein a color pigment, and a minor portion of projecting irregular particles of unfused high melt point cullet.

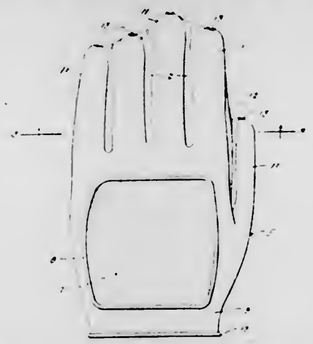
2,004,683
WHEEL CHAIR
Leonard S. Wright and Alfred M. Wright, Oyster Bay, N. Y.
Application March 28, 1934, Serial No. 717,859
3 Claims. (Cl. 280—32)

1. A wheel chair comprising a frame, a pair of rear wheels for supporting the rear part of the frame, a seat on the rear part of the frame, a front wheel assembly including a wheel and a rearwardly and upwardly extending frame, an upright spindle at the front end of the first frame, an inverted U-shaped brace member having its ends connected with the front part of the first mentioned frame, means for connecting a portion of the bight of the brace member to the top of the spindle, a tubular part rotatably arranged on the spindle and to which a part of the front wheel assembly frame is connected, spring means connecting the front wheel assembly to the front end of the first mentioned frame for holding



the front wheel assembly in a straight position, a crank shaft rotatably arranged in the upper end of the frame of the front wheel assembly, means for transmitting the motion of the crank shaft to the front wheel, and handles connected to the cranks for turning the shaft and the front wheel assembly.

2,004,684
SWIMMING GLOVE
Earl B. Bell, Brooklyn, N. Y.
Application July 26, 1933, Serial No. 682,341
1 Claim. (Cl. 9—21)



A swimming glove of the class described comprising a body part, finger and thumb stalls and webs connecting the stalls together, said glove being of one-piece construction and formed of thin rubber the stalls having openings in their ends and that part of the glove which covers the back of the hand having a single substantially rectangular-shaped opening therein, the side walls of which are spaced inwardly from the side edges of the glove, the front wall being spaced inwardly from the inner ends of the finger stalls, and the rear wall of which is spaced an appreciable distance from the rear end of the glove, that part of the glove between the rear wall of the opening and the rear end of the glove forming with the rest of the rear portion of the glove an endless wrist engaging portion, said wrist engaging portion being of short length and of a width but slightly less than the width of the rest of the glove, the finger openings, the rectangular opening and the rear end of the glove all being formed with marginal reinforcing beads.

2,004,685
ORNAMENTAL LINK RECEPTACLE FOR WRIST WATCH BANDS AND CHAINS
George Washington Best, Reidsville, N. C.
Application February 13, 1934, Serial No. 711,019
1 Claim. (Cl. 24—265)

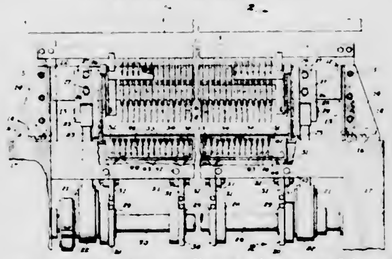


A link member for wrist watches comprising a plate having a pocket therein, the plate at the wall of the pocket being undercut, an ornamental insert for disposition in the pocket to engage with the wall thereof, a pair of longitudinally projecting and apertured ears at one end of the plate and a pair of laterally disposed ears at the opposite end of the plate, said plate being provided with a transverse bore extending through the last mentioned ears.

2,004,686
METHOD OF PRODUCING SOUND ABSORBING MATERIAL
Charles Birchy, Atlanta, Ga., assignor of one-half to Samuel D. Hewlett, Atlanta, Ga.
No Drawing. Application April 21, 1933, Serial No. 667,264
10 Claims. (Cl. 25—156)

1. A method of producing a ceramic acoustical material consisting in reducing a body material to particles, subjecting said particles to a burning operation, then coating said particles with a fusible adhesive substance, then to a molding operation, and then subjecting said molded mass to a burning operation, whereby a porous sound absorbing material is effected.

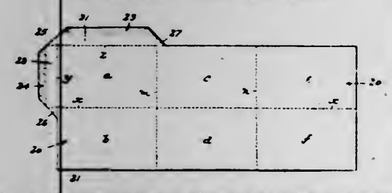
2,004,687
TURFING MECHANISM FOR SEWING MACHINES
Erskine E. Boyce, Gastonia, N. C., assignor to The Boysell Company, Gastonia, N. C., a corporation of North Carolina
Original application January 12, 1932, Serial No. 586,204. Divided and this application April 19, 1934, Serial No. 721,385
3 Claims. (Cl. 112—79)



1. In a multiple needle sewing machine for tufting fabrics, a carrier for a plurality of needlebars, means latching the needlebars to the carrier for movement therewith, a plurality of loop-

receiving members one for each needle and each including a finger movable back and forth in a path intersecting the path in which the needle-bar reciprocates, said finger having a cutting edge, a blade pivotally connected to each of said members and having a cutting edge co-operating with the cutting edge of said finger, said pivoted cutting blade having a depending portion, a support on which the depending portions are fulcrumed, and means to collectively move said fingers to cause all of said cutting blades to be moved into and out of cutting relation with the cutting edges of the fingers solely by the movement of said members.

2,004,688
CORRESPONDENCE SHEET
Hope Bruce, Washington, D. C.
Application April 20, 1933, Serial No. 667,080
2 Claims. (Cl. 229—92.7)



1. A correspondence sheet adapted to be folded and sealed in packet form, said sheet being substantially rectangular and comprising an even numbered equal sized zones adapted to be folded into superimposed flat relation to form the packet, one corner zone forming the rear face thereof, flaps in the form of a trapezoid extending from the free edges of said corner zone and adapted to be folded back thereover, and the zone adapted to form the rear face of the packet and its adjoining flap having a cut away corner whereby when sa'd zone is folded into such packet back forming position and the corresponding flap is folded thereover, an aperture will be presented for the introduction of an appropriate packet opening instrument.

2,004,689
MELTING AND/OR REFINING OF MAGNESIUM AND MAGNESIUM ALLOYS PRIOR TO CASTING, AND FLUX THEREFOR
Leslie George Day, Taplow, England, assignor to Magnesium Castings and Products Limited, Slough, England
No Drawing. Application September 22, 1934, Serial No. 745,044. In Great Britain September 21, 1933
12 Claims. (Cl. 75—17)

1. In the process of treating magnesium metal, the improvement which comprises forming a flux by melting together about 50 to 80 parts of anhydrous $MgCl_2$ and about 50 to 20 parts of MgF_2, solidifying the melt so obtained and breaking it, all prior to use of said material as a flux.

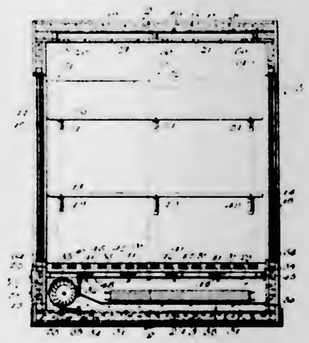
2,004,690
BOTTLE CLOSURE
Aladar Fonyo, Chicago, Ill.
Application June 11, 1934, Serial No. 730,123
5 Claims. (Cl. 215—82)

1. A package comprising a bead-necked bottle of highly carbonated liquid, a cork in the neck of the bottle, a relatively thin resilient sealing disk overlying the upper end of the cork, a binding strip over said sealing-disk, the edges of said binding strip extending downwardly over the neck of said bottle, means for securing said strip,



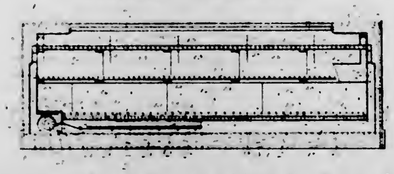
and a cap fastened about the bead on the neck of said bottle.

2,004,691
FLORIST'S REFRIGERATOR
George E. Friedrich, San Antonio, Tex., assignor to Edward Friedrich, San Antonio, Tex.
Application December 4, 1934, Serial No. 755,953
4 Claims. (Cl. 62—102)



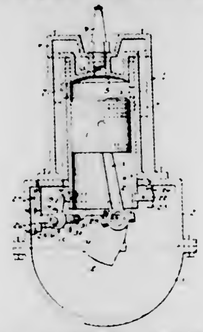
1. In refrigerators, a cabinet having a bottom, a top, a back wall, side walls and a front wall, doors in the front wall, said cabinet enclosing a display chamber, a perforated ceiling spaced from the top of the cabinet within said display chamber and providing a top air space, a down-air duct located across the back of the cabinet within the display chamber, said down-air duct communicating along its top with the space above the ceiling, a horizontal air collecting duct located within the cabinet at the juncture of the bottom and the back wall and communicating along its length with the bottom of said down-air duct to receive the air therefrom, a blower duct within the cabinet at the juncture of the bottom and one end wall, one side of said blower duct communicating with said air-collecting duct, a blower in said blower duct, said cabinet having a cooling compartment at the bottom extending from said blower duct to the opposite side of the cabinet and located between the front wall of the cabinet and said air collecting duct, pans constituting a cover for said cooling compartment and having air passages, a duct extending along the bottom of the cabinet from said blower duct to the opposite side of the cabinet and being in communication with said blower duct and having its top wall perforated, cooling means mounted in said cooling compartment above said perforated duct, a foraminous floor laid over said pans, and flower supporting shelves located adjacent the down-air duct.

2,004,692
REFRIGERATOR
George E. Friedrich, San Antonio, Tex., assignor to Edward Friedrich, San Antonio, Tex.
Application December 4, 1934, Serial No. 755,954
7 Claims. (Cl. 62—102)



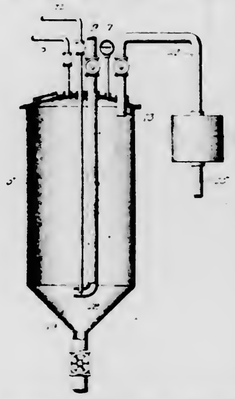
1. In a refrigerator, a cabinet having a food compartment which extends substantially the full length and depth and height of the cabinet, a floor for said compartment having air passages, an air collecting duct and a cooling chamber extending lengthwise of the cabinet beneath the floor, cooling means in said cooling chamber, a blower chamber at one end of said cabinet with which one end of said air collecting duct communicates, a down-air duct located at each end of the cabinet, said air collecting duct communicating at one end with one of said down-air ducts and communicating at the other end with said blower chamber, a blower in said blower chamber, an air delivery duct extending from said blower beneath said cooling chamber and terminating adjacent the opposite end of the cabinet and having a foraminous top to deliver air into said cooling chamber, an approximately horizontal combined food shelf and return air duct extending lengthwise in said compartment, spaced below the top thereof and communicating at its ends with said down-air ducts respectively.

2,004,693
SINGLE SLEEVE VALVE ENGINE
Edward Leslie Gilbert, Fort Bayard, N. Mex.
Application November 20, 1933, Serial No. 698,908
Renewed May 7, 1935
1 Claim. (Cl. 123—81)



An internal combustion engine including a base carrying a cylinder having intake and exhaust ports and an ignition means for said cylinder, a sleeve valve having intake and exhaust ports slidably and rotatably mounted in the cylinder for controlling the intake and exhaust ports of said cylinder, a piston slidable in said sleeve, a crank shaft journaled to the base, means connecting the piston to the crank shaft, a cam shaft journaled to the base and driven from the crank shaft, an eccentric on the cam shaft, a sleeve-like member journaled on the eccentric of the cam shaft, an arm integral with the sleeve-like member, an annular member rotatably secured to the sleeve valve and pivoted to said arm whereby said sleeve valve may be reciprocated by the rotation of the cam shaft, a lug carried by the sleeve valve, a connecting arm journaled to said lug and pivoted to the sleeve-like member and including a universal construction within itself to impart oscillatory movement to the valve sleeve during the latter's reciprocal movement, a guide secured to the base, a guide lug on the annular member and received by the guide, a second guide carried by the base, and a second guide lug upon the sleeve-like member and received by the second-named guide.

2,004,694
TREATING WATER
James M. Gillet, Evanston, Ill., assignor to Victor Chemical Works, a corporation of Illinois
Application September 2, 1931, Serial No. 560,819
2 Claims. (Cl. 210—14)

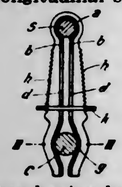


1. The process of softening boiler feed water consisting in adding to the feed water soluble phosphates to flocculate and precipitate impurities as insoluble phosphates, maintaining the water in a relatively quiescent state under pressure at a temperature above 110° C. to accelerate the flocculation and to permit the insoluble phosphates to settle, decanting the water largely freed from suspended phosphates, and supplying softened water to a boiler.

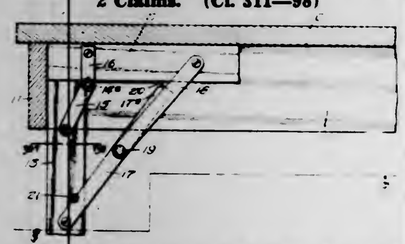
2,004,695
HANGER FOR CABLES OF OVERHEAD LINES
Fritz Hager, Berlin, Germany
Application July 9, 1934, Serial No. 734,345
In Germany February 20, 1932
3 Claims. (Cl. 248—61)

3. A hanger for cables of overhead lines comprising an open loop forming an eye adapted to engage a suspension wire, opposing shanks continuing from the ends of the eye, opposing jaws carried by the lower end parts of the shank adapted to engage a cable extending through said jaws, each of said shanks having a longitudinal slot extending between the loop and the

jaw provided on the shank, each of the said shanks having oppositely and outwardly extending flanges along its longitudinal edges, each of said flanges having serrated edges diverging outwardly towards their lower ends from the longitudinal axis of the hanger, and a key extending through the longitudinal slots in the opposing shanks, said key having lugs projecting laterally from its ends to engage the diverging serrated edges of the flanges so that downward movement of the key in the slots operates to force the shanks together to clamp the loop around the engaged suspension wire and to clamp the opposing jaws on to the engaged cables.

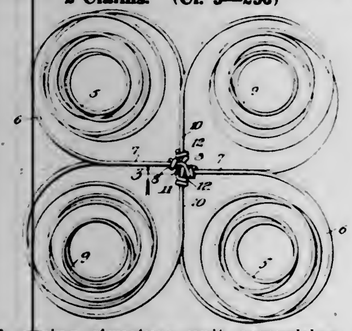


2,004,696
TABLE CONSTRUCTION
Albert Heath, Chicago, Ill., assignor to R. F. Weisbrenner, Chicago, Ill.
Application July 30, 1934, Serial No. 737,678
2 Claims. (Cl. 311—98)



2. Table construction, including; a top; a leg hinged under the top; a toggle, including links hinged to the side of the leg and on the underside of the top, respectively, and pivotally connected, the former provided with an extension projecting beyond such pivot; and a seat under the top adapted to be engaged by the end of said extension when the toggle is moved inwardly beyond its straight position.

2,004,697
SPRING STRUCTURE
Frank J. Hruza, Cicero, Ill.
Application April 16, 1934, Serial No. 720,906
2 Claims. (Cl. 5—256)



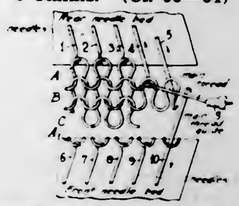
2. A spring structure unit comprising: four wire upholstery springs having open end-convolutions arranged in square juxtaposition, the end-portions of the wires of one pair of diagonally opposed top end-convolutions being spliced together at a top central junction point to form a resilient connection and the end-portions of the wires of the other pair of opposed top end-convolutions being spliced together in like manner and interlocked with the connection of the first pair at said junction point, and the bottom end-convolutions of said springs being spliced and interlocked with each other at a bottom central junction point in like manner.

2,004,698
RECEPTACLE CLOSURE
Georgina F. Jonits, Washington, D. C.
Application June 7, 1934, Serial No. 729,510
8 Claims. (Cl. 229—47)



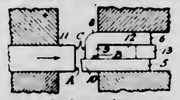
1. In combination with a carton or box, means secured to one of the walls of said carton at the inside thereof for releasably retaining the lid of said carton in closed position after the original closure of said carton has been opened, said means comprising a strip of bendable but relatively stiff material, a tongue portion at one end of said strip, said carton having slots in one of its walls, said tongue portion passing through said slots and being bent upwardly upon itself so as to clamp the wall of said carton between said slots, and securing said strip to said wall, said strip being bent toward the inside of the carton when said carton is in originally closed position, said lid when in opened position being hinged to said carton along one of its edges opposite said strip, a flange at the other end of said strip whereby said lid can be releasably secured to said carton after the original closure thereof has been opened and said strip has been bent so as to rest flatly against said wall.

2,004,699
METHOD OF KNITTING TUBULAR FABRIC
Simon Krautkopf, Stuttgart, Germany
Application January 12, 1934, Serial No. 706,392
In Germany May 13, 1932
2 Claims. (Cl. 66—64)



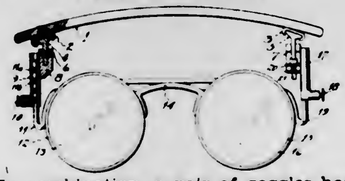
1. The process of knitting a tubular fabric on a two bed flat knitting machine which comprises forming a first course of loops by feeding a thread to the needles of the rear and front beds in the order named, forming a second course by feeding said thread to the needles of the front and rear beds in the order named, feeding said thread to an end needle only of the front bed at the completion of the second course, and then starting a third course on the needles of the rear bed.

2,004,700
METHOD OF FORMING EYELETS ON MEAT SAWS AND THE LIKE
Charles A. Laemmel, Brooklyn, N. Y., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 12, 1934, Serial No. 752,733
7 Claims. (Cl. 76—112)



1. The method of forming an eye on a saw frame, which consists in folding a blank back on itself and then bending the end of one leg of the blank toward the other leg of the blank and leaving one leg of the blank longer than the other, placing a piece of metal within the eyelet of a higher fusing point than the metal of the blank and frame, butt-welding the eyelet to the frame, removing the piece of metal from the eyelet, and grinding the flashings from about the points of juncture.

2,004,701
GOGGLE SUPPORT
Orville A. Livengood, Wyoming, Pa.
Application February 13, 1934, Serial No. 711,050
9 Claims. (Cl. 2—10)



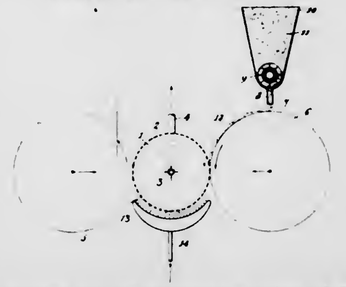
1. In combination, a pair of goggles having a pair of transparent members and a frame for retaining said members in predetermined relation, and supporting means for supporting said goggles on the brim of a hat or helmet, said supporting means including channel members attached to said brim, means for adjusting the vertical position of said goggles and means slidable in said channel members for adjusting said goggles backward and forward.

2,004,702
ELASTIC LACE
Fred Luttmann, Jr., Chicago, Ill.
Application May 23, 1934, Serial No. 727,189
3 Claims. (Cl. 24—143)



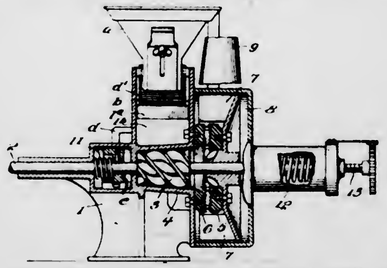
1. An elastic shoe lace having on each end thereof an arrow-shaped anchoring head of resilient material.

2,004,703
PROCESS FOR THE DIRECT MANUFACTURE OF FIBROUS CEMENT TUBES BETWEEN COUPLES OF ROTATING CYLINDERS
Alessandro Magnani, Casale Monferrato, Italy
Application August 2, 1933, Serial No. 683,393
In Germany August 22, 1932
16 Claims. (Cl. 25—155)



1. A process for manufacturing tubes of fibrocement on a formation drum with a porous cylindrical shell, preferably subject to an internal suction and under pressure from molding cylinders which turn and are tangential to the formation drum, comprising, depositing on the formation drum successive very thin layers of well mixed and powdery, dry, mixture of cement and fibrous materials, and directing an atmosphere charged with a watery spray around the said drum towards its surface so as to moisten the said thin layers and cause them to be plastered on the drum and pressed by the molding cylinders.

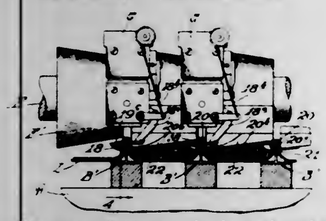
2,004,704
GRINDING MILL
Wayne P. Martin, Anoka, Minn.
Application January 18, 1932, Serial No. 587,419
2 Claims. (Cl. 83—8)



1. The combination in a grinding mill of a casing having inlet and discharge openings, a worm conveyor within the casing adjacent the inlet opening, a chamber communicating with the inlet opening, a second chamber partially enclosing the said conveyor and, separated from the first named chamber by a vertical partition, said partition being apertured at its upper portion to provide a communication between the two chambers, cooperating grinding burrs, and a fan for inducing a current of air from the inlet opening to and through the aperture in the partition, the conveyor and the grinding burrs, whereby the light material will be drawn through the aperture in the partition and be fed to the worm conveyor, and the heavy foreign material will fall beyond the aperture into the first named chamber, said second chamber inclosing that portion of the conveyor moving in a direction

counter to the flow of material, whereby the material will be fed to the side of the conveyor moving in the direction of travel of the material.

2,004,705
UPHOLSTERY METHOD
Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Oakland, Calif., a corporation of Delaware
Original application February 19, 1930, Serial No. 429,708. Divided and this application March 5, 1931, Serial No. 520,360
13 Claims. (Cl. 112—262)



1. In the manufacture of pleated upholstery, the steps which comprise: feeding fabrics and batts with batts disposed between the fabrics, forming seam-portions in the fabrics, holding each batt spaced from one side of a seam-portion to provide interior sewing spaces, and engaging loops of the sewing thread with looper thread loops formed in said sewing spaces.

2,004,706
PROCESS FOR THE PRODUCTION OF FERTILIZER FROM CELLULOSE MATERIALS BY BACTERIAL ACTION
Ferdinand Adolphus Nuske, East Malvern, Victoria, Australia
No Drawing. Application March 3, 1931, Serial No. 519,901. In Australia March 4, 1930
2 Claims. (Cl. 71—6)

1. A process for the production of artificial manure from waste cellulose material, consisting in inoculating said material with a decomposing fungus to insure an anaerobic fermentation, permitting the fermented material to reach a temperature of approximately 60–65° C., inoculating the material with a nitrogen-fixing bacteria, and nourishing such bacteria with a waste fermentation product, as distillery wash.

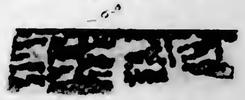
2,004,707
GAME
John Luther Perkins, Baltimore, Md.
Application May 23, 1934, Serial No. 727,178
5 Claims. (Cl. 273—146)



1. A game piece unit formed with a plurality of faces each having symbols thereon which designate separate portions of a complete object.

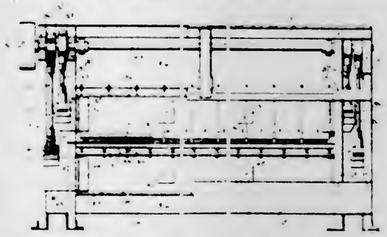
2,004,708
BEARING METAL AND BEARING
Carl Pfanstiehl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company, a corporation of Illinois
Application October 10, 1931, Serial No. 568,160
12 Claims. (Cl. 308—241)

1. The method of forming a bearing surface which comprises subjecting a surface of a metal consisting principally of a copper constituent and a lead constituent to the action of a selective copper solvent, thereby effecting superficial removal of the copper constituent thereof, and



forming the remaining lead constituent at said surface into a continuous bearing surface.

2,004,709
FELT PUNCHING MACHINE
Robert S. Phillips, Chicago, Ill., assignor to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware
Application March 20, 1933, Serial No. 661,671
6 Claims. (Cl. 28—4)



1. In a felt-punching machine, the combination of a movable needle-board, a movable bolster, means for reciprocating said needle-board, means for reciprocating said bolster in a direction opposite to that of said needle-board whereby said needle board and bolster move toward and away from each other, and a stripper grid cooperating with said needle-board and bolster, and with respect to which grid said last named parts are relatively movable.

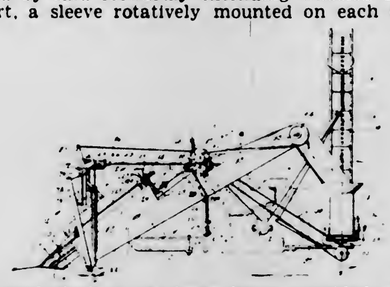
2,004,710
PRESSBOARD
Henry Sieb, Hammond, Ind.
Application September 1, 1934, Serial No. 742,383
3 Claims. (Cl. 11—1)



1. A press board composed of a wooden panel and a channel-shaped frame surrounding the same, the panel being set at its edges into the channel in the frame.

2,004,711
CORN PICKER
William B. Thieman, Albert City, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 23, 1926, Serial No. 104,069
73 Claims. (Cl. 56—18)

1. In combination, a tractor having a forwardly extending wheeled support, a gathering, snapping and conveying device adjacent to each side of said tractor, means for pivotally mounting one end of each of said devices to said tractor frame, a transversely arranged shaft carried by said forwardly extending wheeled support, a sleeve rotatively mounted on each end



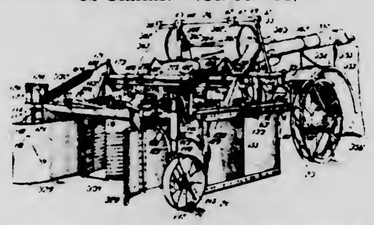
of said shaft, said sleeve being provided with rock arms, links carried by said rock arms, means for pivotally connecting the lower ends of said links with the forward ends of said gathering, snapping and conveying devices, and means for rotating either of said sleeves independently of the other.

2,004,712
ELASTIC SHAFT COUPLING
Leon Thiry, Huy, Belgium
Application February 26, 1931, Serial No. 518,446
In France June 2, 1930
2 Claims. (Cl. 287—85)



1. An elastic joint comprising a rigid inner piece, an elastic ring stretched on said inner piece in order that the mean diameter of said ring be greater than when said ring is in the free state, and an outer rigid piece surrounding said elastic ring, said elastic ring being provided with at least one longitudinal cut made after insertion of said ring between said inner and outer pieces.

2,004,713
HARVESTER
Frederick A. Thomann, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 20, 1930, Serial No. 462,516
52 Claims. (Cl. 56—14)

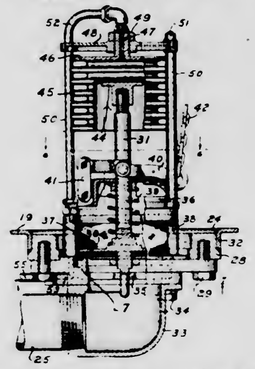


1. In a cotton harvester, the combination with a tractor, of an attachment comprising a bracket secured to said tractor centrally thereof, a cotton picking mechanism, an arm pivotally connected to said bracket and extending laterally therefrom, said arm having journal portions on the laterally directed ends thereof, and a frame having laterally spaced members connected to said journal portions and supporting said mechanism on said tractor.

2,004,714
TREATMENT OF HYDROCARBONS
Charles L. Thompson, Thomas S. Bacon, and Joseph E. Bludworth, Eastland, Tex., assignors, by mesne assignments, to Hanlon-Buchanan, Inc., a corporation of Delaware
No Drawing. Application July 23, 1931, Serial No. 552,610. Renewed March 20, 1935
18 Claims. (Cl. 260—156)

1. A process for producing aliphatic alcohols and other oxidation products from low-boiling hydrocarbons such as occur in one of the group consisting of natural gas, refinery gas, and natural gasoline plant vapors, and from mixtures of such hydrocarbons, which comprises continuously forming a mixture of a fresh quantity of such hydrocarbon in vapor form and a fresh quantity of air and a quantity of uncondensed reaction-products containing nitrogen and carbon oxides and a substantial proportion of unconverted hydrocarbons, said quantities being in such proportion that the mixture contains by volume 0.5% to 3% of uncombined oxygen and 10% to 40% of hydrocarbons and the remainder is composed mainly of nitrogen containing relatively smaller quantities of carbon oxides, heating the mixture while under pressure in excess of 200 pounds to a temperature not substantially in excess of 700° F., maintaining the mixture at substantially the temperature resulting from the reaction until combination of the free oxygen is substantially complete, cooling the resulting vapors, and utilizing the uncondensed vapors resulting from the cooling operation as the source of uncondensed reaction-products introduced into the mixture with said fresh quantities of hydrocarbon and air.

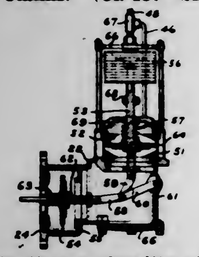
2,004,715
VALVE MECHANISM
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1932, Serial No. 643,151
5 Claims. (Cl. 137—21)



1. In combination, a tank having a fluid outlet, a valve associated with said outlet and having a stem extending into said tank, said valve comprising a fixed seat and a movable valve member secured to one end of said stem, a spring co-

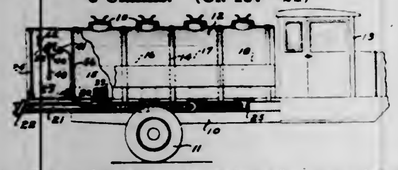
acting with a fixed abutment rigidly attached to said seat and directly with said valve member for closing the valve, a bellows operable by ambient fluid pressure within said tank to open said valve, said bellows having normally fixed and movable opposite ends the former of which is adjustably associated with said valve seat and the latter of which is connected directly to the opposite end of said stem, and a manually operable lever pivotally attached to said fixed abutment and to said stem between said movable bellows end and said spring for independently opening said valve.

2,004,716
VALVE STRUCTURE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 27, 1933, Serial No. 658,787
7 Claims. (Cl. 137—21)



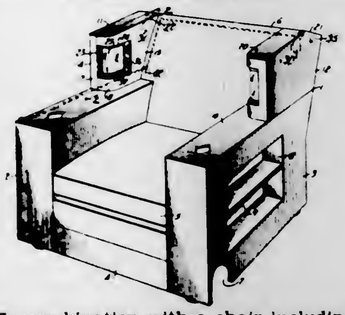
1. In combination, a plurality of liquid receptacles, a common conduit communicable with all of said receptacles, a valve for independently establishing and interrupting communication between each of said receptacles and said common conduit, common means for controlling the opening of all of said valves, means for closing each of said valves against the pressure in said conduit, and means operable directly by the closing movement of each of said valves for gradually relieving the back pressure thereon and for maintaining said valves when closed relieved from pressure existing within said conduit.

2,004,717
VALVE ACTUATING MECHANISM
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1933, Serial No. 677,671
8 Claims. (Cl. 137—21)



1. In combination, a receptacle comprising a plurality of compartments each having a fluid outlet, an emergency valve for each of said outlets, means for automatically closing each of said valves, a rock-shaft disposed remote from said valves, independent motion transmitting mechanism connecting each of said valves with said rock-shaft, a lever, a toggle interposed between said lever and said rock-shaft, said rock-shaft being movable by said lever through said toggle to open said valves and said toggle serving to lock said valves in open position, and automatically operable means other than said lever for releasing said toggle to permit said automataic valve closing means to act.

2,004,718
CHAIR
Frederick G. Brixner, Kansas City, Mo.
Application April 16, 1934, Serial No. 720,735
8 Claims. (Cl. 240—4)

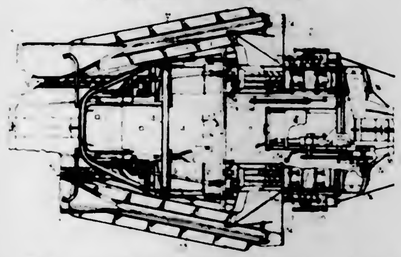


8. In combination with a chair including side, seat and back rest members, a wing portion built into the juncture of the back rest with the side members and having an opening located in front of the occupant seated in the chair, and a light source supported in the wing portion to the rear of the occupant for emitting light rays through the opening.

2,004,719
PRIMING MIXTURE
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application March 15, 1933, Serial No. 660,857
7 Claims. (Cl. 52—2)

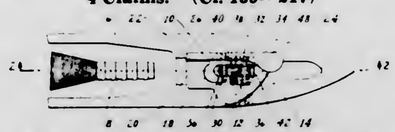
7. An ammunition priming composition containing a combustion initiator, and a copper ammonium salt of diazo-amino-tetrazole, said copper ammonium salt being present in an amount not greater than 6%.

2,004,720
HARVESTER
Wilbur J. Coultas and Norman F. Andrews, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 16, 1933, Serial No. 651,886
Renewed November 24, 1934
31 Claims. (Cl. 56—18)



1. The combination with a tractor, of an agricultural implement comprising a frame adapted to embrace the tractor, a supporting wheel for said frame, means connecting said frame with said tractor permitting said frame and wheel to move relatively to said tractor, picking mechanisms on said frame at opposite sides of the tractor, and husking apparatus on said frame adjacent to the rear end of the tractor.

2,004,721
SHUTTLE
Emil E. Fuller, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a corporation of Rhode Island
Application March 18, 1933, Serial No. 661,533
4 Claims. (Cl. 139—217)



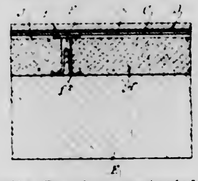
1. A shuttle having an eye, a block having a longitudinal thread passage, a tension device including longitudinally disposed pads arranged adjacent to the eye and below the thread passage and from which the thread leads directly to the eye, each pad having an upstanding thread guiding portion at the front end of the thread passage.

2,004,722
WEATHER STRIP
William S. Hamm, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1933, Serial No. 658,676
3 Claims. (Cl. 189—65)



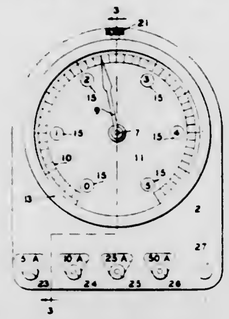
1. A weather strip which comprises a pile fabric strip, a rubber strip secured to the back of the fabric strip, and a metal strip positioned behind the rubber strip and provided with inturned edge flanges which are clamped against the edges of the fabric and rubber strips with the center portions of the latter bowed away from the center portion of the metal strip.

2,004,723
COMPOSITE FLOORING MATERIAL
Harold C. Harvey, Trenton, N. J.
Application August 4, 1934, Serial No. 738,446
4 Claims. (Cl. 154—49)



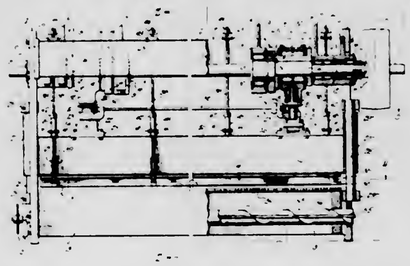
1. A composite flooring material comprising a substantially rigid base board of fibrous material having resiliency and high heat and sound insulating characteristics, said base board being of substantial thickness, a comparatively thin sheet of an impervious covering material, an intermediate sheet having a high degree of resiliency and a low degree of ductility, and spacing means between such intermediate sheet and the base board providing air spaces therebetween, such spacing means being of such number and of such vertical (and horizontal) dimensions as to permit the intermediate sheet to be depressed until it receives support from the base board when the average weight to which the flooring has to be subjected is placed thereupon.

2,004,724
MEASURING INSTRUMENT
Erwin P. Herzog, St. Louis, Mo.
Application July 3, 1933, Serial No. 678,737
1 Claim. (Cl. 171—95)



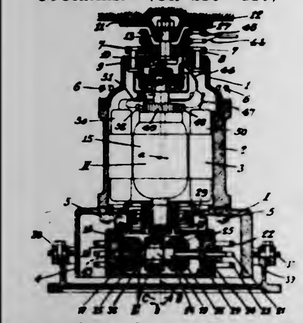
In an electrical instrument, the combination with measuring means including a dial and an indicator cooperating therewith, of a plurality of sets of indicia varying in value, said sets being arranged around the dial at equal distances from its axis of rotation in overlapping relation, a plurality of impedances, means for associating with said measuring means a selected impedance to produce varying ranges of measurement, a cover for said dial having a scale and a plurality of openings for exposing the indicia, and means for rotating the dial relative to the cover to bring into visual cooperation with the scale a set of indicia corresponding in value with the range of the selected impedance.

2,004,725
FELT PUNCHING LOOM
Reginald H. Johnson, Maplewood, N. J., assignor to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware
Application July 29, 1932, Serial No. 625,891
2 Claims. (Cl. 28—4)



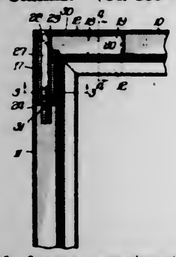
1. In a needling loom, the combination of a bolster, a needling means mounted above said bolster and movable vertically toward and away from the same, a stripper grid cooperating with said needling means, carrying means for said stripper grid, a carrying connection between said carrying means and said needling means for movement of said stripper grid by said needling means and relative movement between said carrying means and needling means, means for limiting the upward movement of said carrying means, and adjustable means for positively limiting the downward movement of said grid by said carrying means.

2,004,726
COMPRESSOR
Emil Kägi, Winterburg, Switzerland, assignor to firm Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application May 9, 1933, Serial No. 670,081
In Switzerland May 27, 1932
8 Claims. (Cl. 230—137)



1. In a machine for working optionally as pump and compressor, in both cases independently of stuffing boxes, the combination of a driving structure including an electro-motor rotor circumscribing the whole machine by being a body with a centric surface of revolution rotative about its axis of symmetry; an intermediate structure arranged with its axis of symmetry displaced relatively to the axis of rotation of the rotor comprising at least the non-rotating part of the electro-motor and a pump casing containing the working chamber moving translatorily under the influence of the driving structure; and a structure for working on the fluid, said last structure being driven by the inertia effects caused by the said translatory motions of the intermediate structure, said driving structure and said intermediate structure being mutually so mounted as to place the axes of their motions substantially parallel.

2,004,727
SASH CONSTRUCTION
Walter E. Keller, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application September 10, 1932, Serial No. 632,565
5 Claims. (Cl. 189—76)



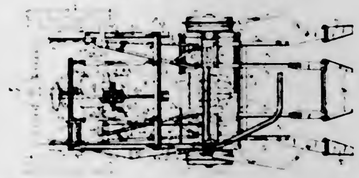
1. In metal frame construction, two frame members which together form a corner of the frame, and means for establishing a rigid but readily separable connection therebetween comprising an elongated tongue which projects from one end of one of the members at right angles thereto, an elongated socket in the adjoining end of the other member for the reception of the tongue, which socket is provided with a threaded aperture in the bottom thereof, and a screw which has its head seated in the back of the first member and extends longitudinally of the tongue into the aperture in the bottom of the socket with the screw supported only at its head whereby to permit sidewise movement of the lower threaded end of the screw into registration with the aperture.

2,004,728
HYDROXY ARYL MERCAPTO COMPOUNDS AND PROCESSES FOR PREPARING THE SAME
Keith William Palmer, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 23, 1932, Serial No. 624,354. In Great Britain July 31, 1931
22 Claims. (Cl. 260—154)

1. A process for the manufacture of mercaptophenols which comprises heating an alkali metal phenoxide having at least one free ortho or para position with an alkali metal disulfide.

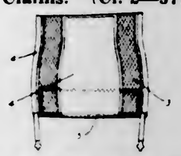
20. A benzene compound having at least one member of the group consisting of hydroxy and alkali metal oxy groups directly connected to nuclear carbon atoms and at least two similar members of the group consisting of mercaptan and alkali metal mercaptide groups directly connected to nuclear carbon atoms.

2,004,729
TRACTOR PROPELLED IMPLEMENT
Talbert W. Paul, Kansas City, Kans., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 21, 1933, Serial No. 652,784
Renewed October 15, 1934
29 Claims. (Cl. 56—10)



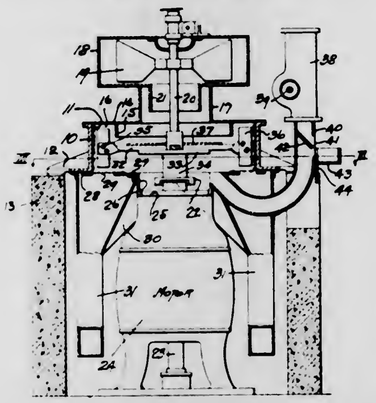
1. The combination with a tractor comprising rear traction wheels and a relatively narrow front steering truck, of an agricultural implement frame embracing said tractor, dirigible supporting wheels for said frame, steering means for causing said implement wheels to be steered simultaneously with said front steering truck of the tractor, and means connecting said frame with said tractor permitting said frame and its supporting wheels to rise and fall relatively to said tractor.

2,004,730
GIRDLE
Hazel V. Reidenbach, Richmond Hill, N. Y.
Application June 15, 1934, Serial No. 730,685
3 Claims. (Cl. 2—37)



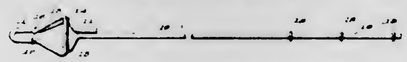
1. A girdle of the step-in type formed of elastic webbing and having a strip of sheet rubber secured to the bottom and on the inside portion thereof to prevent the girdle from rolling or creeping upwards.

2,004,731
MEANS AND METHOD FOR DEFIBRATING
Carew Henry Reynell and Arthur J. V. Ware, Memphis, Tenn., assignors to Reynell-Ware Incorporated, Memphis, Tenn., a corporation of Tennessee
Application May 15, 1933, Serial No. 671,172
16 Claims. (Cl. 19—44)



1. In apparatus for defibrating cotton seed hulls, a vertical shaft and beaters secured to and extending radially therefrom, a shallow chamber concentric with said shaft and housing said beaters, an exhaust fan, said chamber having an annular cover and a lint flue leading from the opening in said cover and to said fan, a baffle concentric with said shaft and depending from said cover, and a disk concentric with said shaft, of greater diameter than said flue, and disposed below and spaced from said cover.

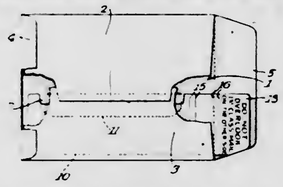
2,004,732
BALE TIE
Alvin V. Rowe, Galesburg, Ill.
Application March 21, 1934, Serial No. 716,737
15 Claims. (Cl. 24—27)



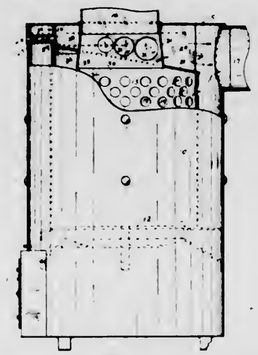
1. A wire bale tie including a main length of wire, a plurality of tie buttons formed along one extremity of said wire, a tie loop provided at the other extremity of said wire adapted to interlock with at least one of said tie buttons, and auxiliary means carried by the loop for counteracting the collapsing thereof and for preventing inadvertent detachment of a tie button interlocked with said loop.

2,004,733
ENVELOPE
Joseph Sawdon, Montrose, Calif., and Victor J. Sawdon, New York, N. Y.; said Joseph Sawdon assignor to said Victor J. Sawdon
Application July 11, 1932, Serial No. 621,880
Renewed November 15, 1934
16 Claims. (Cl. 229—72)

11. In a duplex envelope, means fixed on the inside of the front wall of the envelope and forming therewith a relatively small compartment for one class of mail, means including rear flaps folded and fastened together and forming behind said front wall and smaller compartment a larger compartment for another or the same class of mail, the smaller compartment being adapted to be sealed, together with a flap for closing while leaving sealed or unsealed one edge of the larger compartment, means on the front of the envelope to admit mail matter into said smaller compartment, adapted for closing this entrance to the smaller compartment, in combination with a signal device associated with said flap to indicate the presence of and the necessity for opening the smaller compartment in the event that the larger compartment is opened first, said closing means comprising a loose flap for one end of the larger compartment, adapted to be tucked inside or secured to the outside of the larger compartment, and said signal device comprising an inside relatively small flap associated with said closing flap, adapted to be brought into view by the opening of the said larger closing flap.

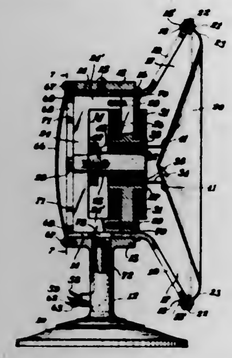


2,004,734
CROSS DRAFT MEANS FOR INCINERATORS
Edward W. Strube, Brightwaters, N. Y.
Application February 7, 1930, Serial No. 426,698
6 Claims. (Cl. 110—18)



1. In an incinerator, a casing structure having an outlet flue, an apertured combustion chamber positioned within and spaced from the casing structure to form a flue space which communicates with the interior of the combustion chamber by means of the apertures, an expansion chamber formed on top of the combustion chamber comprising a bottom and side walls, the bottom wall closing the top of the combustion chamber and the side walls extending to the top of the casing structure, the side of the expansion chamber adjacent the said outlet flue opening into the said flue space and the opposite side having an intake duct communicating with the atmosphere, an intake chute passing through the expansion chamber to discharge material into the combustion chamber, and vents in the chute opening into the expansion chamber.

2,004,735
LOUD SPEAKER
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 27, 1928, Serial No. 295,638
11 Claims. (Cl. 179—115.5)



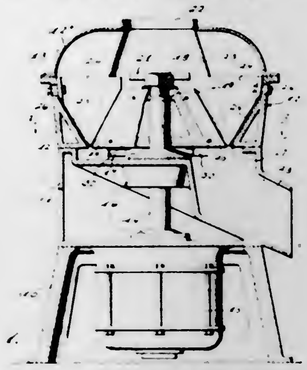
1. In a telephone instrument, a magnetic frame having three polar limbs, a magnetic arm connecting the two outer limbs, said arm being formed at the center with a ring, the third limb constituting a central pole piece projecting into said ring to form an annular airgap, and a magnetizing coil mounted on said frame at right angles to said central pole piece.

2,004,736
ELECTROSTATIC LOUD SPEAKER
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 5, 1929, Serial No. 352,642
2 Claims. (Cl. 181—31)



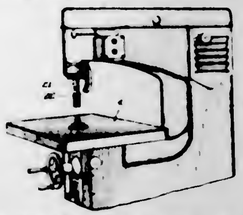
1. An acoustic device, comprising in combination, a housing including a disc shaped member, a diaphragm, supporting members attached to said housing for supporting said diaphragm, and a grille mounted opposite said housing for protecting the diaphragm, supports for said grille, said supports for the grille being independent of the supports carrying the diaphragm.

2,004,737
WOOD HOG
Thomas Tonks, Saginaw, Mich., assignor to Tonks Manufacturing Company, Saginaw, Mich., a corporation of Michigan
Application November 17, 1930, Serial No. 496,243
2 Claims. (Cl. 83—6)



1. In a device of the class described, a rotary cutter head, a plurality of cutter elements carried by said head, an annular hopper member surrounding said cutter head, said hopper member having circumferentially disposed vertically extending slots, baffle plates mounted exteriorly of said hopper member and extending through said slots to the interior of said hopper member, and means for adjustably mounting said baffle plates whereby they may be adjusted toward and from said cutter elements.

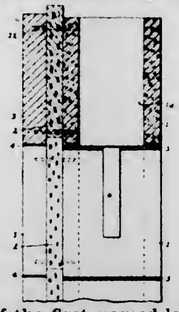
2,004,738
ADJUSTABLE STOP PIN FOR ROUTERS
Charles L. White, Thomasville, N. C., and Gustave T. Johnson, Beloit, Wis., assignors to Yates-American Machine Company, Beloit, Wis., a corporation of Delaware
Application December 23, 1933, Serial No. 703,698
5 Claims. (Cl. 144—145)



1. In a wood working machine, the combination with a work-supporting table, and a shaping cutter above the table, of a disk rotatably mounted in an aperture in the table, a pin movable radially of the disk, and means for locking the pin and disk against movement in any position of adjustment.

2,004,739
BUILDING CONSTRUCTION
George E. Whritenour, Sloatsburg, N. Y.
Application November 24, 1934, Serial No. 754,551
8 Claims. (Cl. 72—41)

1. A wall construction including an upright wall-layer itself including superposed courses of relatively non-compressible load-bearing sections and an upright wall-layer of superposed courses of compressible sections, each section of the second-named layer being rigidly connected



to a section of the first-named layer and held in a state of compression by the load of the load-bearing sections.

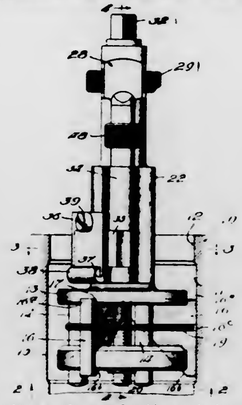
2,004,740
SPRING-MOUNTED CYCLE HUB WITH BRAKE
Franz Winkler, Schweinfurt, Germany
Application November 19, 1932, Serial No. 643,308
In Germany November 20, 1931
5 Claims. (Cl. 188—26)



1. In a vehicle wheel construction of the class described, an axle, a bearing member eccentrically mounted on said axle, a hub shell rotatable upon said bearing member, a brake drum connected to said hub shell, brake shoes carried by said bearing member, a brake applying lever pivotally supported on said bearing member at a point spaced from the axis of said shell, and extending substantially radially with respect to said hub shell, and a cable extending substantially radially with respect to said hub shell and connected to the free end of said lever near the axis of said hub shell for operating said lever.

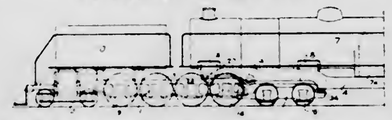
2,004,741
CYLINDER RIDGE REAMER
Herman W. Zimmerman, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., Chicago, Ill., a corporation of Illinois
Application July 16, 1932, Serial No. 622,918
9 Claims. (Cl. 77—2)

6. In a portable device for removing the ridge of a worn cylinder, in combination: a support unit insertable into the cylinder including a plurality of radially movable parts, means for adjusting said parts into engagement with the cylinder wall to fix said unit in said cylinder and a bearing on the upper portion of said unit; a member operatively connected to said adjusting means and extending through and above said bearing, said member being provided with actuating means adjacent its upper end; a cutter unit comprising a body journalled on said bearing and extending above and substantially enclosing the extending portion of said member, said body being formed with a lateral opening to give access to said actuating means whereby the support unit may be fixed in the cylinder with said units assembled; a radially adjustable cutting blade carried by the cutting unit; and a spring pressed ball member carried by said



cutting unit and projecting into an annular groove in said bearing whereby said units are releasably held against axial separation and relative rotation therebetween is frictionally retarded.

2,004,742
LOCOMOTIVE CONSTRUCTION
Edwin W. Albers, Schenectady, N. Y.
Application May 19, 1933, Serial No. 671,812
20 Claims. (Cl. 105—172)



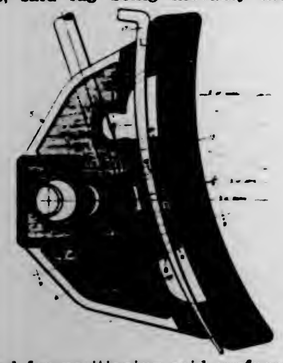
1. A locomotive comprising a superstructure having a supporting frame; a driving truck having a frame; a non-tractive-and-non-buffing-force-transmission connection permitting relative pivotal movement and preventing relative lateral movement, of said frames at said connection and serving to transmit load of said superstructure to said truck; and a rigid bar flexibly connected at its opposite ends with said supporting frame and said truck frame respectively, said bar serving as a tension member to transmit all tractive and buffing forces transmitted between said frames which are applied in one direction and as a compression member serving to transmit all tractive and buffing forces transmitted between said frames which are applied in the opposite direction.

12. A locomotive comprising a superstructure having a supporting frame; a driving truck having a frame flexibly connected with and supportingly engaging said supporting frame; and a truck at one end of said driving truck frame having a frame flexibly and supportingly engaging said supporting frame and flexibly and supportingly engaging said driving truck frame.

2,004,743
BRAKE HEAD
Harley E. Anderson, Chicago, Ill., assignor of one-half to John H. Sharp, Chicago, Ill.
Application January 2, 1935, Serial No. 45
13 Claims. (Cl. 188—236)

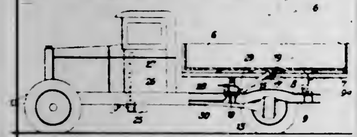
1. An article of the class described comprising a brake head, and a brake-shoe supporting

lug having a plurality of brake shoe supporting surfaces, said lug being movably mounted on



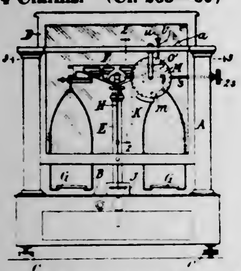
said head for positioning said surfaces in brake shoe supporting position.

2,004,744
HYDRAULIC REAR TIPPER FOR FAST DELIVERY VANS
Otto Ballert, Berlin, Germany
Application June 10, 1932, Serial No. 616,397
In Germany October 13, 1931
2 Claims. (Cl. 298—22)



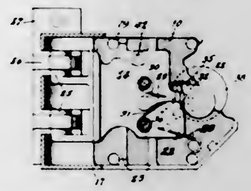
1. In a fast delivery vehicle, a chassis, a body tippable about a transverse journal connecting the chassis and body, an obliquely placed hydraulic hoist comprising a piston and cylinder, joined to the chassis at its cylinder end and to the body at its piston end, the connection between said cylinder and chassis including ball and socket joint elements and a bolt connecting the elements of said joint, there being sufficient clearance between said bolt and one of said elements to permit limited lateral displacement of one of said elements with respect to the other.

2,004,745
BALANCE OR WEIGHING SCALE
Christopher A. Becker, Nutley, N. J., assignor to The Torsion Balance Company, New York, N. Y., a corporation of New York
Application June 5, 1934, Serial No. 729,100
4 Claims. (Cl. 265—60)



1. A scale or balance comprising a scale beam, a movable chain carrier, and a weighing chain suspended at one end from the beam and at its other end from the movable carrier, the points of suspension of the chain, which determine the catenary curve which the chain will assume for any particular effective length of chain, lying in a common, substantially horizontal plane.

2,004,746
LOCK
Peter Boyko, Bronx, N. Y.
Application March 23, 1932, Serial No. 600,588
1 Claim. (Cl. 70—14)



A lock including a casing in the form of a hollow box open at its inner side, said box provided on the inner side of its bottom with integral guide bars and with an integral bolt stop, a bolt slidably mounted in the guide bars and provided with projecting fingers, a bolt spring acting on the bar and urging it towards said stop, a manually actuated bolt shifting knob mounted for rotary movement in and extending through the bottom of the box and provided with a lever adapted to engage the bolt for moving it into its open position against the tension of said spring, a pointed end lever pivotally mounted on the side of the bolt facing the open side of the box and constituting a thrust member, a pair of studs positioned on opposite sides of the axis of rotation of the lever, a pair of balancing springs with one end of each coiled about one of the studs and having their free ends bearing on opposite sides of the thrust lever, a cover plate for closing the open side of the box, a notched end lever provided with a hub journalled for rotary movement about a fixed axis in the cover plate, said hub provided with a slot adapted to receive a spacing bar of a tumbler lock, said lever extending across the inner side of the cover plate and removable bodily therewith without affecting the bolt and its associated parts carried by the box, the free end of said lever provided with an angularly disposed notch higher on one side than on the other to form a shoulder and disposed when the lever is rotated in one direction to bear on the thrust lever and move past the same and when moved in the opposite direction to cause the end of the thrust member to engage in said recess and when reverse therefrom to engage said shoulder to shift the bolt into its open position and against the tension of the bolt spring.

2,004,747
MANUFACTURE OF GOLD INLAYS
John A. Daly, New Rochelle, N. Y.
Application May 15, 1931, Serial No. 537,622
8 Claims. (Cl. 32—16)

1. A pure gold inlay comprising a porous, felted mass of gold foil, substantially as described.

2. The method of making inlay material comprising brushing pure gold foil over a plurality of openings whereby to roughly puncture said foil and provide a multitude of dictinctly jagged corners and edges projecting from the surface



of said foil of such character whereby to provide means to felt a plurality of said sheets together.

2,004,748
VEHICLE
Hugh Joseph Dillon, Detroit, Mich.
Application September 18, 1933, Serial No. 689,805
15 Claims. (Cl. 180—54)



1. In a vehicle, the combination of a single driving axle assembly suitably mounted, said driving axle assembly being provided with a pair of driving gear mechanisms each having a different driving speed ratio than the other of said driving gear mechanisms, a pair of engine assemblies suitably mounted, one of said engine assemblies only being operatively connected with each of said driving gear mechanisms of said single driving axle, and means for controlling each of said engine assemblies to operate at a different speed from the other of said engine assemblies when the vehicle is being driven in a straight ahead direction.

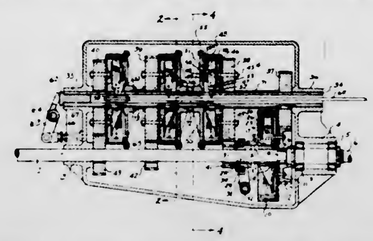
2,004,749
VEHICLE
Hugh Joseph Dillon, Highland Park, Mich.
Application October 23, 1933, Serial No. 694,835
15 Claims. (Cl. 180—44)



1. In a vehicle, the combination of a front steering driving axle having a driving gear reduction mechanism, a rear driving axle having a driving gear reduction mechanism of different ratio than said front steering driving axle, a pair of power plants operatively connected with said driving axles, and means for controlling each of said power plants to operate simultaneously at a different rate of speed relative to the other of said power plants.

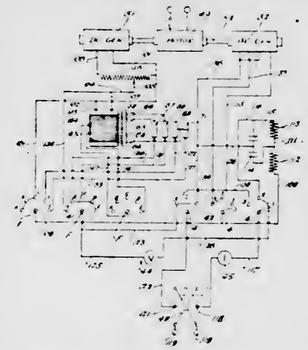
2,004,750
CLUTCH DEVICE FOR VARIABLE SPEED TRANSMISSION MECHANISM
John Eckhard, Cincinnati, Ohio
Application December 29, 1931, Serial No. 583,721
7 Claims. (Cl. 192—76)

1. A clutch for clutching together a shaft and an element rotatable on the shaft, comprising a shell connected to the element, a carrier connected to the shaft and having radial guides, shoes guided by the guides to and from the interior of the shell, means movable on the shaft,



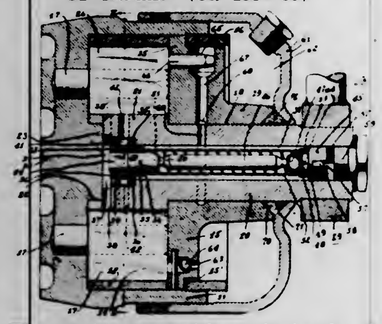
means to transmit movement of said means to the shoes for pressing the shoes to the shell, and means holding the shoes to the guides, movable by the hands without the use of tools, to permit removal of the shoes from the guides.

2,004,751
LOW VOLTAGE GENERATOR
Herman G. Fischer, Peter P. Musket, and Donald E. Richardson, Chicago, Ill., assignors to H. G. Fischer & Company, Chicago, Ill., a corporation of Illinois
Application March 23, 1931, Serial No. 524,530
9 Claims. (Cl. 171—97)



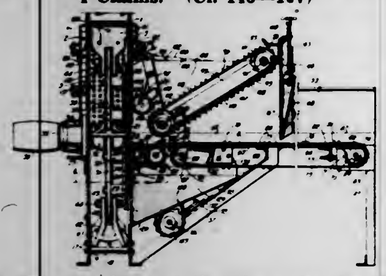
6. An apparatus for generating current of wave form for use in electro-physiotherapy and for other uses, including an aggregate consisting of an alined motor, direct current generator and alternating current generator, a commutator having a plurality of axially alined electrically insulated rings, said commutator being rotated by said motor, a plurality of brushes severally conductively connected with said rings and also rotated by said motor, a plurality of alined resistance bars over which said brushes travel while successively engaging different bars, the resistance elements being connected with said direct current generator, a plurality of switches interposed between said direct current generator, and some of said brushes, and adapted to vary the electric connection between said commutator rings and said generator, and another plurality of switches interposed between said alternating current generator and said first named switches additionally to vary the relation of said brushes to said resistances and to superimpose an alternating current of selectively variable form upon the direct current of selectively variable form.

2,004,752
HYDRAULIC SHOCK ABSORBER
Merritt L. Fox, Buffalo, N. Y., and Fred E. Ullery, South Bend, Ind.; said Fox assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application June 16, 1932, Serial No. 617,614
31 Claims. (Cl. 188—89)



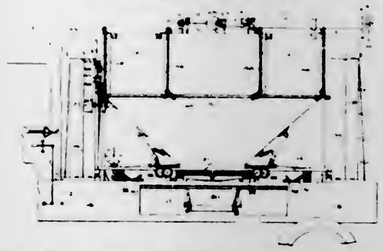
1. The combination with an hydraulic shock absorber having a by-passage for the discharge of fluid under pressure, of a regulating valve structure for controlling the discharge of fluid through said by-passage and including an adjustable head at one end, a rotary valve plug at its opposite end, and a stem having universal coupling connections at its ends with said head and said plug respectively.

2,004,753
COMBINATION CUTTING AND GRINDING MILL
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application March 12, 1932, Serial No. 598,407
4 Claims. (Cl. 146—107)



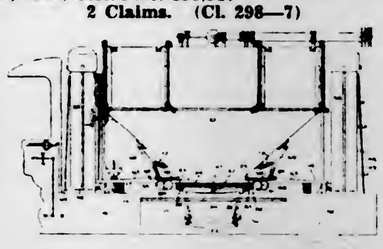
1. In a machine of the character described, a casing having substantially vertically spaced openings therein for admitting forage and grain respectively, a rotor in the housing for reducing the material delivered through said openings, a conveyor supported in feeding relation with said openings for delivering forage material directly to the upper opening, a hopper supported below the conveyor and in covering relation with the lower opening having an inclined bottom sloping downwardly and laterally toward said opening so that grain discharged from the conveyor is delivered by the hopper in the direction of rotation of said rotor to prevent rotation of the rotor from interfering with the delivery of the grain, and an inverted trough shaped baffle member fixed to the bottom of said hopper for stopping and diverting air blasts generated by said rotor to prevent their interference with the grain delivery into the casing.

2,004,754
DUMP WAGON
Theodore C. Harvey, Philadelphia, Pa.
Original application February 8, 1933, Serial No. 655,744. Divided and this application October 14, 1933, Serial No. 693,545
5 Claims. (Cl. 298—8)



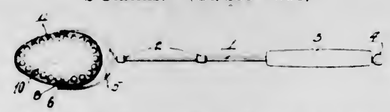
1. A dump wagon of the character described comprising, in combination, a main body constituting the load receptacle and being provided in the bottom thereof with a discharge opening, a vertically extending post within said main body, said post being provided with a plurality of circumferentially spaced vertically extending grooves, and a plurality of removable partition members arranged within said main body with the inner vertical edges of said partition members respectively slidably received within said grooves of said post, said partition members being relatively so arranged with respect to each other and with respect to said main body as to provide the latter with a plurality of independent compartments having discharge openings which respectively constitute portions of the bottom opening in said main body.

2,004,755
DUMP WAGON
Theodore C. Harvey, Philadelphia, Pa.
Original application February 8, 1933, Serial No. 655,744. Divided and this application October 14, 1933, Serial No. 693,547
2 Claims. (Cl. 298—7)



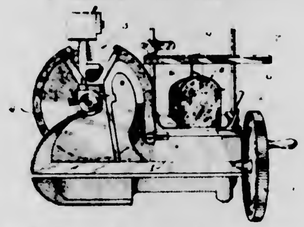
1. A dump wagon of the character described comprising, in combination, a main body constituting the load receptacle, said main body being provided with a bottom discharge opening, a supporting platform for said main body, said platform being adapted for vertical movement whereby to raise or lower said main body, a revoluble chute discharge member operatively associated with said main body and disposed immediately beneath the bottom discharge opening thereof, said chute discharge member being provided with a radially extending chute extension, a circular rack secured to the peripheral edge of the body of said chute discharge member, a laterally extending shaft journalled in said platform and having a worm gear in mesh with said circular rack for effecting the rotation thereof in one direction or another, said laterally extending shaft being extended outwardly beyond one side edge of said plaform and provided at the outer extremity thereof with a bevel gear, a vertically extending shaft journalled upon the side of said main body, a bevel gear carried by said vertical shaft and arranged for slidable movement therealong but fixed against rotation with respect thereto, said last-mentioned bevel gear being in mesh with said first-mentioned bevel gear, and means for rotating the said vertical shaft in one direction or another whereby to effect the rotation of said revoluble chute member in one direction or another, said bevel gears being maintained in meshed engagement with each other throughout the vertical movement of said platform and the main body supported thereby.

2,004,756
SPOON
Margaret Hess, Morocco, Ind.
Application August 27, 1934, Serial No. 741,719
2 Claims. (Cl. 259—144)



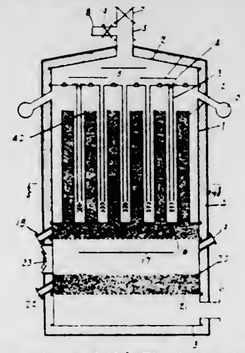
1. A spoon for mixing, draining and stirring and adapted to be revolved through a circle with respect to its transverse axis, said spoon comprising an elongated and apertured spoon-shaped body having a concave face and a convex back and having a pair of oppositely disposed lugs extending downwardly from its rim and intermediate the ends of the spoon, and a handle including a pair of spaced-apart and bent forks having their ends pivotally connected to said lugs, said forks being spaced so that said spoon is adapted to revolve through a circle therebetween.

2,004,757
MEAT HOLDER
Robert L. Ingram and Herbert P. Adler, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 3, 1932, Serial No. 631,674
5 Claims. (Cl. 146—217)



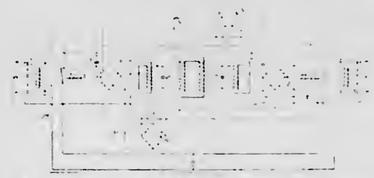
1. A meat slicing machine comprising in combination a frame, a table for supporting and holding the meat while being sliced, upright standards on said table, a meat cutting element, means for effecting relatively transverse reciprocatory movement between the meat cutting element on the one hand and said table on the other hand, whereby a cutting operation can be carried out on meat while supported on and by said table, and means for effecting longitudinal feed of the table in accordance with the periodic relative movement between the cutter and the table, said slicing machine being characterized in that it has employed in conjunction with said upright standards on the table a transversely extending vertically positionable carrying bar from which there is pivotally supported a gripping and holding plate, which plate in transverse cross section on the underside thereof is concave but has straight, longitudinally extending elements, and which plate has holes bored therein so as to provide a perforated gripping surface on the underside thereof.

2,004,758
CATALYTIC APPARATUS
Alphons O. Jaeger, Crafton, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
Application December 2, 1927, Serial No. 237,212
4 Claims. (Cl. 23—288)



1. In converters of the Tentelew type in which the catalyst is contained in vertical tubes mounted at the bottom ends in a tube sheet, the improvements which comprise means for causing at least part of the reaction gases entering the converter to flow substantially parallel to the catalyst tubes in indirect heat exchanging relation thereto, and means for causing the reaction gases to thereafter reverse their flow and contact with the exterior walls of the catalyst tubes.

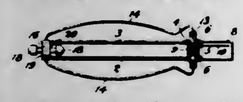
2,004,759
RINGING REPEATER
Alfred T. Jester, Houston, Tex.
Application July 12, 1934, Serial No. 734,821
4 Claims. (Cl. 179—84)



1. A ringing repeater circuit for telephone lines comprising a repeating coil interconnecting two transmission lines, means to supply ringing alternating current to either side of said coil, a relay for each line controlling the connection of said coil to the transmission lines, a local source of current for said relays, and means actuated by the alternating current supplied to one side of said repeating coil to connect said local source of current to the relay

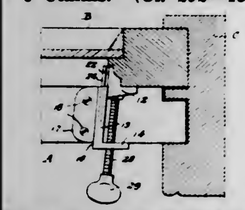
controlling connection of the other side of said coil to its transmission line, said means comprising direct current relays controlling completion of the local circuit through said relays, and rectifiers receiving current from said repeating coil and supplying current to said last named relays.

2,004,760
HAIR CURLER
Harry H. Klein, New York, N. Y.
Application January 7, 1935, Serial No. 713
7 Claims. (Cl. 132—41)



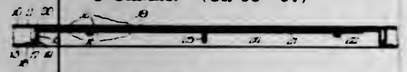
1. A hair curler having the combination of a hair winding bar, a hair gripping arm hinged to said bar, a hair retaining band, a framing pivoted to said band, and said bar and arm being mounted to rotate within said framing.

2,004,761
LOCKING DEVICE
Gregory Laput, Brooklyn, N. Y.
Application September 13, 1934, Serial No. 743,803
6 Claims. (Cl. 292—155)



1. A lock for sliding window sashes including a base member adapted to be fixedly mounted upon the upper rail of the inner sash, a slide member carried by the base for guided sliding movement diagonally of said sash rail having a head conforming to and adapted to engage with the inner vertical corner of the outer sash for exerting a thrust diagonally of the two sashes to cause said sashes to bind in opposite vertical corners of the window frame.

2,004,762
SASH VENTILATOR
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, Elkhart, Ind., a corporation of Illinois
Application September 22, 1930, Serial No. 483,407
3 Claims. (Cl. 98—97)



1. In a sash ventilator, the combination with a hollow sheet metal sash rail which is provided in its outer wall with a group of apertures and in its inner wall with a relatively large opening in opposition to the group of apertures, of a sheet metal frame which is set into the rail substantially flush with the opening in the inner wall in substantially contiguous association with the apertured portion of the outer wall, a screen positioned between the frame and the apertured portion of the outer wall, and a ventilating slide which is carried by the frame and is provided with a group of apertures for movement into and out of register with the apertures in the outer wall of the rail.

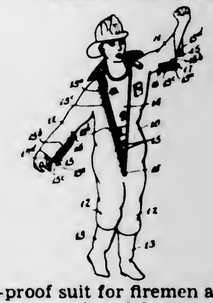
2,004,763
N (p-AMINO-PHENYL) MORPHOLINE AND METHOD OF PREPARING THE SAME
Herbert A. Lubs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 11, 1932, Serial No. 616,745
6 Claims. (Cl. 260—28)

1. The process of producing N(para-aminophenyl) morpholine which comprises treating a solution of a member of the group consisting of N(p-nitroso-phenyl) morpholine and N(p-nitrophenyl) morpholine in a non-oxidizing acid with a metal such as will react with the acid to liberate free hydrogen.

2,004,764
PREPARATION OF N(p-AMINO-PHENYL) MORPHOLINE
Herbert A. Lubs and George Clifford Strouse, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1932, Serial No. 617,244
15 Claims. (Cl. 260—28)

1. The method of preparing N(p-amino-phenyl) morpholine which comprises adding N(p-nitroso-phenyl) morpholine hydrochloride to an aqueous solution of a sulfide of an alkali metal.

2,004,765
WATERPROOF SUIT FOR FIREMEN AND OTHERS
Frederick G. Molter, Hempstead, N. Y.
Application June 27, 1934, Serial No. 732,609
1 Claim. (Cl. 2—82)



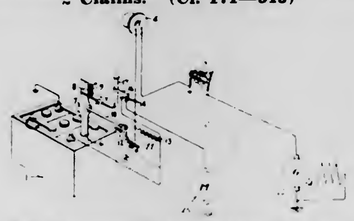
A water-proof suit for firemen and others, comprising water-proof and heat-proof material in the form of a suit having a body portion, arm portions, leg portions and boot portions all connected to an integral unit, said body portion being formed with an opening extending down from the neck at the front to the vicinity of the crotch, said arm portions being formed with openings extending in from the free ends thereof, and means for holding each of said openings closed, comprising hook fasteners along the edges of said opening and a control slide for engaging and disengaging said hooks from each other, and shield strips behind said openings permanently attached along one of their edges upon the material of the suit on one side of the openings and detachably connected with the material of the suit on the other sides of the openings, each detachable connection comprising a snap device formed from wires so as to be flexible and adapted to have two parts coacting, one attached permanently upon the shield strip and the other part permanently attached upon the material of the suit.

2,004,766
NECKTIE LINING
Barney R. Nyhagen, Bronx, N. Y.
Application December 14, 1933, Serial No. 702,295
1 Claim. (Cl. 2—146)



A necktie comprising a tubular body portion and a lining of an elongated strip of inherently flexible and resilient material interposed within the tubular body portion and having openings of relatively different sizes substantially throughout the effective length thereof, said openings being grouped at different areas of the lining in relatively different spacing, those at the knot forming portion being less closely grouped so as to provide a greater degree of resiliency at the knot forming portion of the tie and portions of greater flexibility in other parts of the lining.

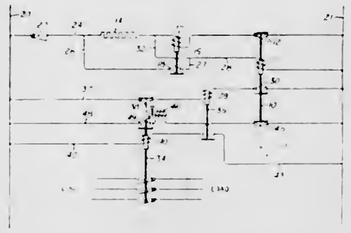
2,004,767
BATTERY CHARGING SYSTEM
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application June 8, 1932, Serial No. 616,051
2 Claims. (Cl. 171—313)



1. In an automobile, a storage battery, a charging generator connected to charge said battery, a pressure operated switch arranged to reduce the charging rate of said battery when the pressure on said switch produced by gassing of said battery exceeds a predetermined value, a starter motor, a starter switch for connecting said starter motor to said battery, and means operated by said starter switch for releasing the gas pressure on said pressure operated switch.

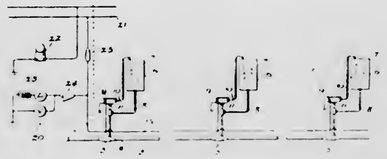
2,004,768
PROTECTIVE SYSTEM
Raemon C. Samuels, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application October 13, 1932, Serial No. 637,624
5 Claims. (Cl. 175—294)

1. In combination, a switch provided with an operating coil, a holding resistor, connections for connecting said resistor in series with said coil thereby to limit the current flow through said coil to a predetermined value, an operating circuit for increasing the energization of said coil, and means for preventing repeated operation of said



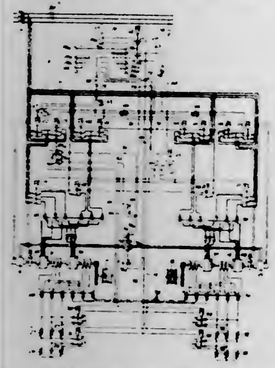
switch in case of failure of said resistor comprising a relay having its operating coil connected in series with said resistor, and connections for connecting said relay in said operating circuit so that the completion of said operating circuit depends upon the operation of said relay.

2,004,769
MEANS FOR AND METHOD OF DETECTING AND ASCERTAINING THE REGION OF OIL LEAKS IN CABLE SYSTEMS
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 6, 1929, Serial No. 390,819
2 Claims. (Cl. 177—311)



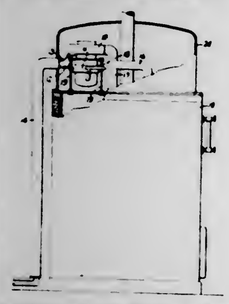
1. A cable system comprising lengths of cable, each having a sheath and filled with liquid insulation, joints at spaced intervals for permanently uniting the lengths of cable, liquid containing reservoirs connected through the joints to the cable to supply liquid to and receive it from the cable, each reservoir comprising a casing element having a chamber containing gas and a variable capacity element receiving liquid from the cable, in combination with means for indicating an abnormal operating condition of the cable without interrupting its operation comprising a differential device associated with each of the reservoirs, each device comprising a casing element having a chamber connected to the gas chamber of a reservoir and a member one side of which is exposed to the action of the gas and the other side to the action of the liquid insulation within the cable, stationary and movable contacts located within the gas chamber, means moved by the member for actuating the movable contact, a signal circuit including the contacts of all of the differential devices and connected to a source of current supply, and means located at a selected point comprising a signal device actuated by the current flowing in the signal circuit when the circuit of the latter is closed at one of said devices.

2,004,770
BRIDGE CONTROL SYSTEM
Joseph A. Setter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 11, 1933, Serial No. 670,476
11 Claims. (Cl. 172—293)



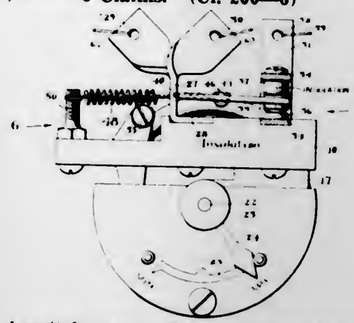
1. A control system for providing synchronous operation of a plurality of devices, comprising a plurality of driving motors, a plurality of polyphase synchronizing motors each connected to a different driving motor, means for starting said driving motors, and means responsive to operation of said starting means for supplying single phase power to said synchronizing motors prior to energization of said driving motors.

2,004,771
OIL BURNER
Alexander R. Stevenson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1931, Serial No. 519,200
1 Claim. (Cl. 158—1)



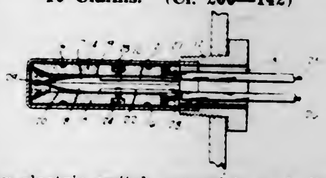
In combination, an oil furnace having an electric motor driven blower pump unit mounted upon the top thereof for supplying air and oil thereto, a casing mounted upon the top of said furnace and forming therewith a closed housing surrounding said unit with the blower intake opening into the interior of said housing to reduce the pressure therein below atmospheric and exhaust oil vapors and fumes therefrom, and an inlet for said casing comprising a tubular air duct of restricted cross section extending downwardly from said casing and opening adjacent the base of said furnace whereby air is admitted to the casing and the operating noise of said unit is substantially suppressed.

2,004,772
ELECTRIC SWITCH
Fred W. Sonn, Pottstown, Pa.
Application January 10, 1934, Serial No. 706,005
6 Claims. (Cl. 200—6)



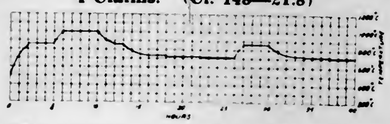
6. A switch organization comprising a Bourdon tube, a base block pivoted relative to the Bourdon tube, a plurality of cooperating switch arms fulcrumed upon the base, springs positioned to exert tension across and normally upon one side of the fulcrum, a finger carried by the Bourdon tube positioned to exert pressure laterally and successively upon the springs tending to shift the tensions successively across to the opposite sides of the fulcrums, and means to tilt the base upon its pivot to bring the finger into action at different positions of the tube.

2,004,773
ELECTRIC SWITCH
Fred William Sonn, Pottstown, Pa.
Application September 10, 1934, Serial No. 743,447
10 Claims. (Cl. 200—142)



1. An electric switch comprising a hollow substantially cylindrical body of insulating material formed in opposed segments, a switch contact part carried by each of the opposed segments, means tending to separate the switch parts, and an easily fused material holding the contact parts in connection.

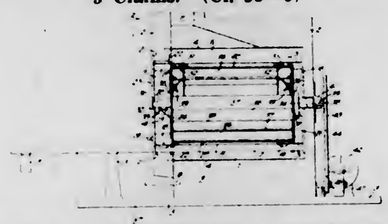
2,004,774
SHORT CYCLE ANNEAL OF MALLEABLE IRON
Irving R. Valentine, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 21, 1930, Serial No. 437,823
4 Claims. (Cl. 148—21.8)



1. The method of making malleable cast iron which comprises the following steps: heating white cast iron at a temperature materially higher than 750° C. but not materially higher than 1000° C., cooling the casting gradually and in a few hours to a temperature lower than 750° C. but higher than 675° C., maintaining the casting at said last mentioned temperature for about twelve hours, again heating the casting to a temperature materially higher than 750° C. but not materially higher than 1000° C. and then cooling the casting to a temperature zone having an upper limit of 750° C. and a lower limit of 675° C., and maintaining the casting in said temperature zone for several hours, the duration of said steps being approximately 40 hours.

2. The method of cooling a casting from an elevated temperature to a lower temperature which comprises placing the casting in a furnace heated to said lower temperature and alternately removing the casting from the furnace and reinserting it in the furnace until the casting has reached substantially the temperature of the furnace.

2,004,775
APPARATUS FOR COOKING MATERIAL
Vincent Wright, Alameda, Calif.
Application June 16, 1931, Serial No. 544,857
5 Claims. (Cl. 53—6)



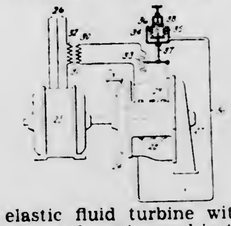
1. In a cooking apparatus, a cylinder, means for rotatably mounting said cylinder to turn about a horizontal axis, internal ribs extending longitudinally of said cylinder and projecting radially from walls thereof in spaced relation to each other circumferentially of the cylinder and flanges extending along free side edges of said ribs whereby material placed within the cylinder will be held in spaced relation to its walls and the flanged ribs serve to carry basting fluid upwardly from the lower portion of the cylinder and dump the fluid at the upper portion thereof during rotation of the cylinder.

2,004,776
AUTOMATIC CONTROL EQUIPMENT
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application May 26, 1934, Serial No. 727,708
12 Claims. (Cl. 171—118)



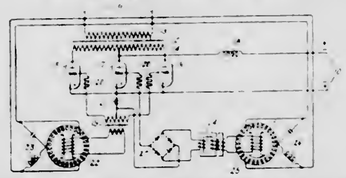
1. In combination, an alternating current circuit, a synchronous machine disconnected from said circuit, means for driving said machine at approximately synchronous speed, means for rotating the stator of said machine relative to the rotor thereof, and means controlled by the phase relation between the voltages of said circuit and machine for controlling the operation of said stator rotating means and the connection of said machine to said circuit.

2,004,777
ELASTIC FLUID TURBINE
Kurt Bassler, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application February 1, 1934, Serial No. 709,338
In Germany May 27, 1933
3 Claims. (Cl. 290—2)



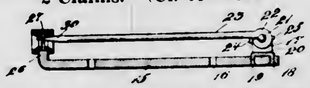
1. In an elastic fluid turbine with a casing having heavy flanged portions subject to different varying temperatures, means for externally heating the casing comprising resistances provided in recesses of the flanges, and a source of electric energy for supplying current to the resistances in accordance with the load on the turbine.

2,004,778
ELECTRIC VALVE CONVERTING APPARATUS
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 14, 1932, Serial No. 633,141
9 Claims. (Cl. 172—281)



9. In combination, an alternating current supply circuit, an alternating current load circuit, electric valve converting apparatus including a pair of inductive windings each provided with end terminals and an electrical neutral and an electric valve connected to each of said terminals and said neutrals and interconnecting said circuit through said windings, said valves associated with one winding being oppositely disposed with respect to one of said circuits from those associated with the other winding, and means for independently controlling the conductivity of said valves connected to said neutrals and said valves connected to said end terminals to control the relative voltages of said circuits.

2,004,779
FASTENING FOR JEWELRY
Thomas S. Bennett, North Attleboro, Mass.
Application July 20, 1933, Serial No. 681,298
2 Claims. (Cl. 24—160)



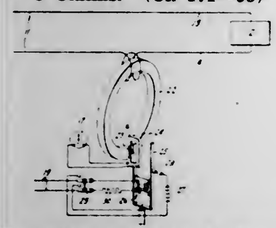
1. A safety catch comprising a keeper for the pin having a central opening, a locking member comprising a pair of ears on opposite sides of

said keeper, each ear provided with a tapered bearing trunnion extending into said opening for rotatably supporting said member on said keeper, and means connecting said ears together for movement in unison and serving as a handle for rotating said member.

2,004,780
ELECTRICAL MEASURING SYSTEM

Brian A. G. Churcher, Bowdon, England, assignor to General Electric Company, a corporation of New York

Application April 30, 1934, Serial No. 723,249
In Great Britain May 5, 1933
5 Claims. (Cl. 171—95)



1. Current-responsive apparatus comprising in combination, a current-conducting winding movable in the magnetic field produced by current to which the apparatus is intended to respond, means for vibrating said winding in said field, and means responsive to voltage produced in said winding.

2,004,781
INSULATING COMPOSITION FOR IMPREGNATING ELECTRICAL TAPE

Frank M. Clark and Ralph A. Ruscetta, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

No Drawing. Application September 18, 1930, Serial No. 482,985
7 Claims. (Cl. 106—17)

1. A composition of matter containing a high melting wax in an amount about 40 to 50 per cent by weight and also containing substantial amounts both of rosin and non-drying fatty oil to produce an adhesive material suitable for use in insulating friction tape.

2,004,782
KITCHEN IMPLEMENT

Elizabeth J. Dean, St. Louis, Mo.

Application July 16, 1934, Serial No. 735,301
1 Claim. (Cl. 294—7)

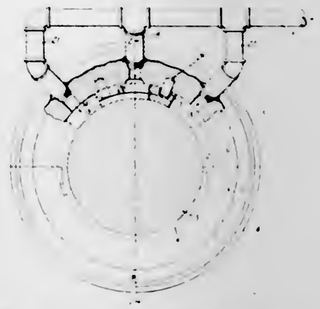


An article of the character described comprising a central staff, a food supporting means attached to one end thereof, the other end of said staff being bent at right angles and provided with an eye, a handle consisting of a wire looped around the staff then bent downwardly forming gripping members, one end of one of the gripping members looped around the staff immediately above the right angular bend, the end of the other gripping member extending into the eye of the right angular bend, said gripping members when pressed together imparting motion to the staff and food supporting member.

2,004,783
SHAFT BEARING

John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application April 28, 1932, Serial No. 607,999
8 Claims. (Cl. 308—9)



1. The combination with a shaft and a bearing having a bearing surface fitting the shaft and a recess in the bearing surface facing the shaft opposite the load carrying region, of a member provided in the recess and being movable radially relative to the shaft, and means for supplying oil under pressure to force the movable member towards the shaft to reduce vibratory movement of the latter.

2,004,784
BUSHING

Bernard C. Evans, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 13, 1933, Serial No. 702,185
2 Claims. (Cl. 22—202)

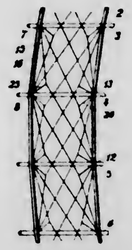


1. The method of securing a bushing in an opening in an electrical apparatus casing, said bushing having a shoulder adjacent the outer surface of the casing and a surface adjacent to and tapered at an acute angle with the inner surface of the casing, said method including the casting of an integral metal ring around said bushing and between said surfaces of the bushing and casing.

2,004,785
METHOD OF BRACING THE CIRCUMFERENCE OF GAS-INFLATED RIGID AIRSHIPS

Arthur Förster, Friedrichshafen, Bodensee, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany

Application March 21, 1933, Serial No. 661,918
In Germany April 4, 1932
3 Claims. (Cl. 244—3)

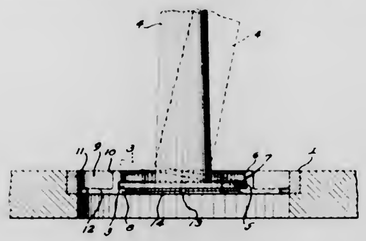


1. A rigid airship hull comprising a plurality of spaced longitudinal members, a plurality of spaced transverse members intersecting said longitudinal members, a plurality of bracing wires extending substantially diagonally between points of intersection of said longitudinal members with said transverse members and crossing without connecting thereto at least one of said longitudinal members, and tie wires leading from the intersections of said crossed longitudinal members with said transverse members and deflecting the bracing wires from straight connecting paths.

2,004,786
STAFF HOLDER

George E. Gaus, Washington, D. C., dedicated to the free use of the Public

Application September 20, 1934, Serial No. 744,755
1 Claim. (Cl. 248—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

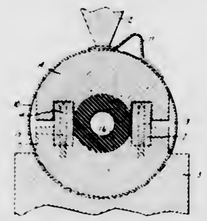


A staff holder comprising a plate having a circular aperture and adapted to support a staff provided with a disc-like base, said plate including an upstanding outer flange, the inner wall thereof being concentric with the wall of the aperture, an annular rib spaced inwardly from the flange and concentric therewith, said plate having radially disposed slots extending through the wall of the aperture and rib and terminating adjacent the flange to provide a plurality of radially disposed flexible portions.

2,004,787
MANDREL

Robert T. Gillette, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1934, Serial No. 755,644
7 Claims. (Cl. 219—4)



1. A mandrel comprising a plurality of electrically conductive work supporting members, electrically conductive means forming a freely sliding connection between said members and expanding means acting when expanded to force said work supporting members against the work and to tighten the freely sliding connection between said electrically conductive means and said work supporting members.

2,004,788
SPRAY MATERIAL

Edmund L. Green, Washington, D. C., dedicated to the free use of the Government and the People of the United States

No Drawing. Application September 16, 1932, Serial No. 633,463
2 Claims. (Cl. 167—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A flocculated bentonite characterized by failure to swell or disperse in water.

2,004,789
ACTIVE OR TOXIC SPRAY MATERIAL

Edmund L. Green, Washington, D. C., dedicated to the free use of the Government and the People of the United States

No Drawing. Application September 16, 1932, Serial No. 633,464
1 Claim. (Cl. 167—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A plant spray, comprising copper silicate and lime.

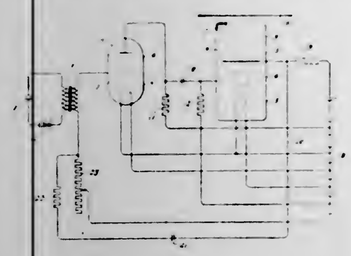
2,004,790
ELECTRON DISCHARGE DEVICE

Friedrich W. Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application May 11, 1933, Serial No. 670,556
In Germany May 27, 1932
5 Claims. (Cl. 179—100.3)

1. In combination, a cathode-ray tube for translating electrical impulses into light rays, said tube including a cathode, an anode, an electrostatic control member and a screen adapted to fluoresce when struck by electrons, energy supply circuits for the electrodes, a source of electrical impulses connected to said control member, and means for transferring electrical energy from the anode of said tube to the control member, said means including an electrical coupling be-

tween said anode and control member, whereby control of the electrons through the tube and the



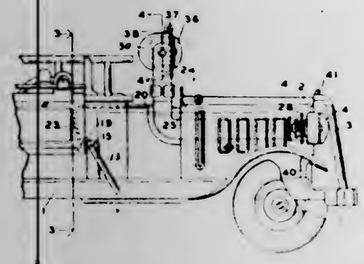
variations in intensity of the light spot on the fluorescent screen are enhanced.

2,004,791

HEADLIGHT AND SPOTLIGHT DEVICE FOR TOY VEHICLES

Alfred C. Korte, St. Louis, Mo., assignor to Metalcraft Corporation, St. Louis, Mo., a corporation of Missouri

Application April 22, 1933, Serial No. 667,451
7 Claims. (Cl. 240—7.1)



1. A spotlight comprising a pair of supporting brackets, said brackets being firmly joined together but electrically insulated from each other, corresponding ends of said bracket members being spread apart and provided with trunnions to receive a spotlight assembly therebetween, a spotlight assembly mounted on said trunnions, said assembly comprising an outer body member pivotally mounted on one of said trunnions, an inner body member pivotally moupted on the other of said trunnions, said outer and inner body members being electrically insulated from each other.

2,004,792

ELECTRIC SWITCHING

Orin P. McCarty, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 23, 1933, Serial No. 677,200
11 Claims. (Cl. 171—119)

1. In apparatus for transferring a variable electric current having relatively high and low values from one point to another without interrupting the current, the combination of alternative electrical conducting paths for the current during the transfer, one of said paths having a positive volt-ampere characteristic and the other of said paths having a negative volt-ampere characteristic, said characteristics having an in-



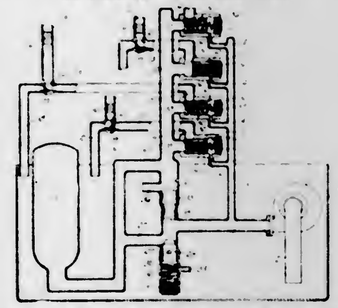
tersection point at a current value intermediate said high and low values.

2,004,793

HYDRAULIC APPARATUS

Donald H. Montgomery, Berlin, Conn., assignor to The New Britain-Gridley Machine Company, New Britain, Conn., a corporation of Connecticut

Application January 29, 1931, Serial No. 511,950
23 Claims. (Cl. 103—42)



1. In an apparatus of the character described, a pump pressure chamber or passage, a pump for delivering liquid under pressure to said chamber, a variable accumulator, a port between said chamber and accumulator and through which said accumulator receives the liquid from said chamber, a port between said accumulator and chamber and through which said accumulator is adapted to discharge into said chamber, a pressure retaining valve for preventing liquid from flowing through said first mentioned port until a predetermined pressure is built up on the pump pressure side, means for closing said second mentioned port while the pressure on the pump pressure side is above that of the accumulator pressure side, an exhaust port for the system, and a relief valve for controlling said exhaust port and arranged to be moved to closed position by pressure on the pump pressure side and to be moved to open position by pressure on the accumulator side.

4. In an apparatus of the character described, a chamber, a pump for delivering liquid under pressure to said chamber, a variable accumulator, a pressure retaining valve for preventing fluid from flowing into said accumulator until a predetermined pressure is built up in said chamber by said pump, a plurality of passages adapted to be respectively associated with devices to be

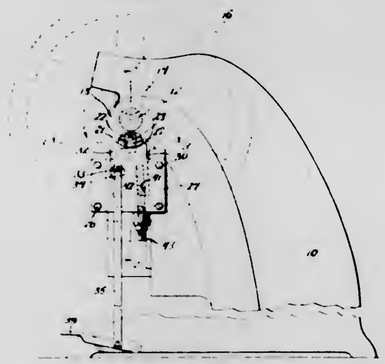
actuated, and a plurality of check valves, one for each passage, each check valve in one position establishing communication between said chamber and the respective passage and in another position establishing communication between the accumulator and the respective passage, each check valve being moved to the latter position when the pressure normally tending to move the valve to the first position becomes less than the accumulator pressure.

2,004,794

CLUTCH

Frederick E. Munschauer, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a corporation of New York

Application November 15, 1934, Serial No. 753,175
7 Claims. (Cl. 192—25)



1. A clutch of the character described, comprising concentric driving and driven members, an eccentric arm on said driven member, a coupling member at the outer end of said arm and movable into coupling relation with said driving member and retractable therefrom, a loosely guided cam plate arranged crosswise of the axis of said driven member and having a cam face along one side adapted to engage and retract said coupling member, a stop arranged at one side of said cam plate and limiting its movement toward said coupling member, a spring reacting against the opposite side of said cam plate, said spring urging said cam plate toward said coupling member and cooperating with said stop to continue the retraction of said coupling member after the driving connection between said driving and coupling members has been broken and thereby provide a clearance between said coupling member and said driving member and means for retracting said cam plate, the edge of said cam plate adjacent its cam surface having substantially the same curvature as the path of rotation of said coupling member.

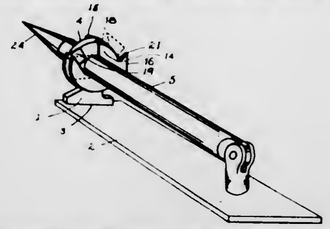
2,004,795

SAFETY CATCH

Clarence S. Oakey, Oriskany, N. Y., assignor of one-half to Samuel McL. Birch, Clinton, N. Y.

Application July 17, 1934, Serial No. 735,641
4 Claims. (Cl. 24—160)

1. In a safety catch, a post member having an open aperture therein, a rock member mounted on said post member, said rock member formed with duplicate parts having laterally extending shoulders that fit within the open aperture of said first named member, whereby to form a bear-



ing and means for holding said members in given relation to each other.

2,004,796

METHOD OF CLEANING FILTER SCREENS

Elmer H. Payne, Wood River, Ill., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

No Drawing. Application December 14, 1933, Serial No. 702,361
7 Claims. (Cl. 210—62)

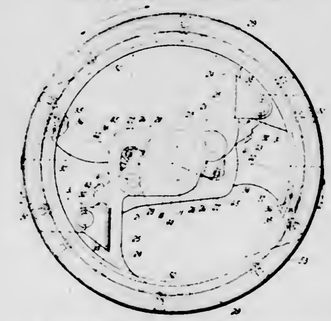
1. A method of cleaning an incombustible filter screen employed in the filtration of tarry material containing combustible binding ingredients which comprises baking the screen to a temperature sufficient to decompose the combustible binder.

2,004,797

COLLAPSIBLE DRUM

Fred Brown Pfeiffer, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio

Application December 31, 1931, Serial No. 584,039
12 Claims. (Cl. 154—9)



1. In a collapsible drum the combination of a spindle, a quill mounted for relative angular movement thereon, a hub mounted upon the spindle, a pair of key sections and a pair of intermediate sections constituting a sectional tire building drum, respective arms pivotally mounted upon the hub and constituting the sole support for the intermediate sections, the key sections being hinged to said arms, and links connecting the respective key sections to the quill.

2,004,798

METHOD AND MEANS FOR ILLUMINATING SURFACES

Max Poser, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 2, 1933, Serial No. 659,275
2 Claims. (Cl. 240—1)

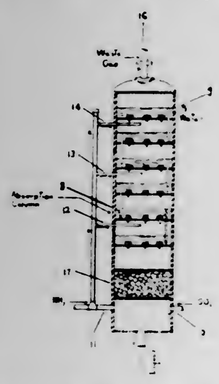
1. A method of providing substantially uniform illumination for a relatively large surface,

which comprises projecting light rays onto said surface from a single fixed source, making a filter having a gradually varying density from one side to another by photographing said illuminated surface, placing said filter before said light



source and projecting light rays through said filter onto said surface, the densest part of the filter being positioned in the path of light rays which fall on that part of the surface which is closest to the source.

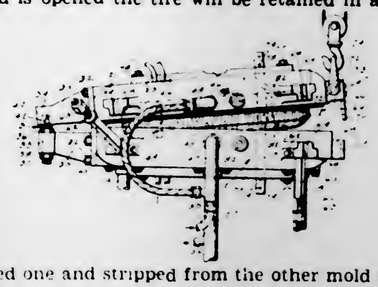
2,004,799
PROCESS FOR PREPARING AMMONIUM SULPHITE OR BISULPHITE SOLUTIONS
Roger W. Richardson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 23, 1931, Serial No. 532,191
2 Claims. (Cl. 23—129)



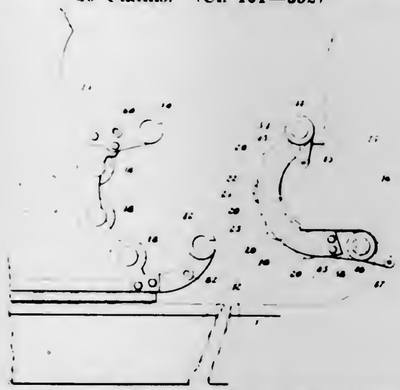
1. In the process of making ammonium sulphite or bisulphite solution the step which comprises contacting ammonia and sulphur dioxide with a falling shower of water while controlling the temperature and rate of absorption by introducing the ammonia at a plurality of levels and regulating the relative amounts thus introduced.

2,004,800
TIRE RETREADING MOLD
Thomas E. Rogers, Los Angeles, Calif., assignor to Arch B. Cleveland and James E. Belden, jointly, both of Los Angeles, Calif.
Application June 26, 1933, Serial No. 677,631
1 Claim. (Cl. 18—18)

A tire mold comprising a pair of separable mold sections with a cavity therein for receiving a tire, and ejecting devices supported on opposite sides of said mold sections and extensible into the planes of the adjacent mold sections for engagement with a portion of a tire whereby when the mold is opened the tire will be retained in a selected one and stripped from the other mold section.



2,004,801
PRINTING PRESS
Joel F. Sheppard, Dover, N. H., assignor to U. P. M.-Kidder Press Co., Inc., Dover, N. H., a corporation of Delaware
Application May 12, 1933, Serial No. 670,682
20 Claims. (Cl. 101—352)

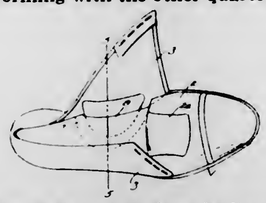


1. A printing press having, in combination, a printing section, an ink distribution section, means to move one of said sections relatively to the other to produce an open or closed press, a form roller frame, means on said frame and on each of said sections for supporting the frame on a section, and mechanism for transferring the frame from one section to the other.

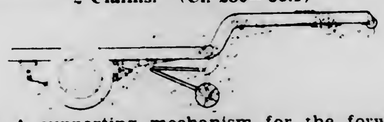
16. The method of preparing a printing press for making individual radial adjustment of the form rollers of its movable ink distribution mechanism to the plates on its plate cylinder which comprises advancing the inking frame including said form rollers to a closed press position, disconnecting said form rollers from the inking frame and locking them in printing relation about the printing plates, then withdrawing the remainder of the ink distribution train to leave space in front of the form rollers for an operator to work while making said radial adjustments.

2,004,802
SHOE
Edward W. Ward, North Girard, Pa.
Application August 22, 1932, Serial No. 629,775
2 Claims. (Cl. 36—8.5)

1. A shoe comprising a sole and an upper including a cut-off vamp and quarters, the quarters overlapping the vamp and having their front edges free from the vamp to a point adjacent the sole, one of the quarters extending over the instep and forming with the other quarter a slit extending from adjacent to the sole diagonally to a point over the instep adjacent the center of the shoe.



2,004,803
SEMITRAILER
Sidney B. Winn, Lapeer, Mich.
Application July 27, 1932, Serial No. 625,011
2 Claims. (Cl. 280—33.1)



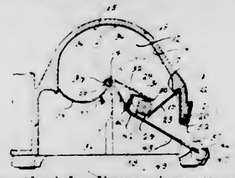
1. A supporting mechanism for the forward end of a rear-wheeled trailer, comprising, a swinging prop unit having its rear end pivotally connected to the trailer toward the forward end of the trailer, cam elements pivotally mounted on the trailer toward the forward end of the prop unit and engaging the forward swinging end of the prop unit, the cam elements having their actuating portions engaged with the prop unit for causing the prop unit to swing upwardly when the cam elements are moved rearwardly, and actuating means for said cam elements extending thereto from the forward end of the trailer.

2,004,804
METHOD OF MAKING MOPS
Roy J. Badgley, Springfield, Ohio
Application March 14, 1934, Serial No. 715,506
1 Claim. (Cl. 300—21)



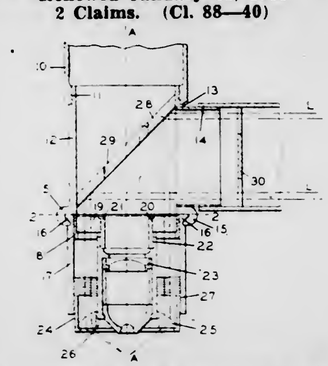
The method of making mops, which consists in employing a single length of cord to form the entire body of one complete mop, arranging the cord into parallel strands of double the length of the completed mop, forming a reverse loop by each end of each two of said strands, securing the central portion of all of the strands together by laying one half of a plurality of spaced apart cord sections transversely across all of the strands of the mop body, bringing the other half of each of said transverse cords over and upon the upper surface of all of the strands of the body of the mop inserting each between each two or more of the strands, looping said transverse strand members around the first mentioned half of the cords and then inserting them back between two of the strands and so on until all the strands are connected by the plurality of single length of the transverse cords, then tying the two ends of each of the two transverse cords together at one of the edges of the body of the mop, then securing each of the two ends of the transverse cords where they can not be seen in the completed mop, and then folding one half of each of the strands of the body member upon the other half thereof whereby the parts of the strands which are secured together by the transverse cords will form the head portion of the body of the mop and the means by which the ends of the transverse cords which are secured together will be hidden, all substantially as shown and described.

2,004,805
TOOTHPICK DISPENSER
Julius D'Agostino, Detroit, Mich.
Application January 10, 1933, Serial No. 651,016
7 Claims. (Cl. 312—84)



1. In a toothpick dispensing machine of the class described, a rotatable toothpick ejecting member for carrying a toothpick to an outlet opening; an inclined deflecting plate overlying said ejecting member and engaging its periphery and projecting across its longitudinal axis and terminating within the marginal limits thereof; and depending means on said deflecting plate in spaced relation to said ejecting member and adapted for engaging a disarranged toothpick carried by said ejecting member and preventing discharge of the same from the ejecting member in disarranged position.

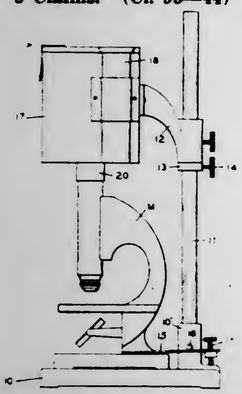
2,004,806
MICROSCOPE ILLUMINATOR
Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 2, 1933, Serial No. 654,915
Renewed January 21, 1935
2 Claims. (Cl. 88—40)



1. An illuminator for attachment to the body tube of a microscope, said illuminator comprising a casing having means for attaching it to the body tube, a reflector mounted in said casing, said reflector having a portion for transmitting

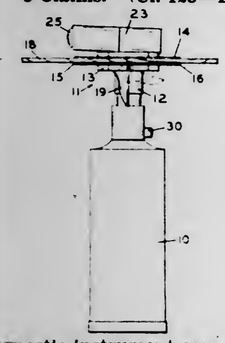
light rays, a second casing detachably secured to said first casing, said second casing carrying a transparent member having a central aperture, a bushing mounted in said aperture, an objective secured to said bushing, and light condensing means mounted on said second casing, said condensing means having a central opening in alignment with said objective.

2,004,807
PHOTO-MICROGRAPHIC APPARATUS
Gustave Fassin, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 7, 1934, Serial No. 719,504
3 Claims. (Cl. 95—44)



1. In a photo-micrographic apparatus the combination of a base, a support rod on said base, a bracket slidably and rotatably mounted on said rod, an adjustable collar on said rod for limiting the vertical movement of said bracket, a camera secured to said bracket, a focusing tube fixedly mounted on the side of said camera, a translucent screen element mounted in said tube, said element being positioned substantially in the plane of the sensitized element carried by said camera.

2,004,808
DIAGNOSTIC INSTRUMENT
George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 24, 1934, Serial No. 712,776
5 Claims. (Cl. 128—16)



1. A diagnostic instrument comprising a member having an opening providing a guideway adapted to receive a tongue depressor blade, said guideway being open on three sides whereby said blade may be inserted in said guideway either laterally or longitudinally and means for selectively locking the blade in the guideway.

2,004,809
STABILIZING HYDROGEN PEROXIDE SOLUTIONS WITH PYROPHOSPHORIC ACID PLUS A TIN COMPOUND
Harvey N. Gilbert and Joseph S. Reichert, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1932, Serial No. 645,324
13 Claims. (Cl. 23—251)

1. Method of stabilizing peroxide solutions comprising adding thereto a pyrophosphoric acid-tin compound.

5. Method of stabilizing hydrogen peroxide solutions comprising adding thereto pyrophosphoric acid-tin compound equivalent to 0.2 grams $H_4P_2O_7$+0.005 grams tin per liter and adjusting the pH to between 1.5 and 3.0.

2,004,810
METHOD OF MAKING HINGES
James F. Hines, Lakewood, Ohio, assignor to Russell J. Hines, Lakewood, Ohio
Application July 10, 1934, Serial No. 734,489
2 Claims. (Cl. 29—11)

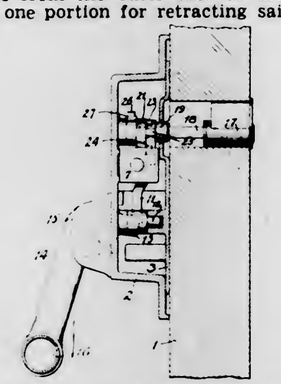


1. The method of making a hinge and the like which includes assembling a core unit including a pin, a sleeve rotatably located on the pin, the pin being longer than the sleeve and having ends extending beyond the opposite ends of the sleeve, and pairs of abutting washers provided with central apertures rotatably fitting on the pin, each pair being located at one end of the sleeve and one of the washers of each pair abutting the adjacent end of the sleeve, placing the core unit in a mold having one piece leaf forming cavities, and casting one piece leaves in the mold cavities, one leaf engaging the sleeve and the washers abutting the ends thereof, and the other leaf engaging the outer ends of the pin and the other washers.

2,004,811
PANIC BOLT
Norman B. Hurd, Newington, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application February 1, 1935, Serial No. 4,458
7 Claims. (Cl. 70—29)

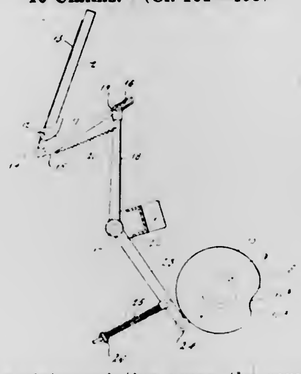
1. In a panic door bolt, a case, a spring projected bolt, mechanism including means at the inner side of a door to cause the bolt to be retracted by pressure toward the door, an oscillating bolt dogging means, a key-controlled rollback concentric with said dogging means and

operable from the outer side of the door and having one portion for retracting said bolt and



another portion for operating said dogging means.

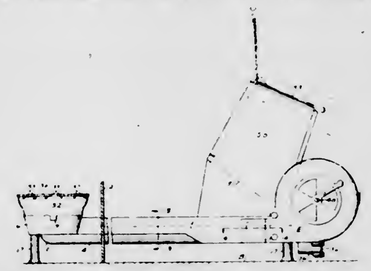
2,004,812
PLATEN PRINTING PRESS
Lawrence R. Johnson, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1934, Serial No. 720,083
10 Claims. (Cl. 101—408)



1. In a platen printing press, the combination of a platen, means for oscillating said platen between the sheet-receiving and printing position, grippers mounted for pivotal movement with respect to said platen and adapted to engage a sheet on the platen when the latter is in printing position, and means for maintaining said grippers in engagement with said sheet until the platen has returned to substantially the sheet-receiving position.

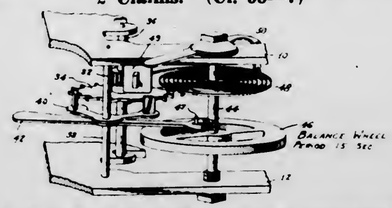
2,004,813
FUEL STOKER
James E. Jones, Richmond, Ind.
Application August 17, 1931, Serial No. 557,641
3 Claims. (Cl. 110—45)

1. A fuel stoker having in combination a burner bowl having inner and outer walls and an air passage formed therebetween, a hopper, a screw conveyor extending from the hopper to the burner bowl, a blower fan, an air passage leading from the fan to the air passage of the burner bowl, and an annular crown bowl rigidly secured to said burner bowl, said crown bowl having an air passage formed therein registering with the air passage in said burner bowl, an inwardly and downwardly extending inner portion, an outwardly extending horizontal portion formed integral with the inner portion and extending par-



tially across the passage of the crown bowl, said outwardly extending horizontal portion having slots formed therethrough whereby air may be forced downwardly and inwardly therethrough and into said burner bowl.

2,004,814
CLOCK MOVEMENT
Max Knobel, Arlington, Mass.
Application August 29, 1934, Serial No. 741,924
2 Claims. (Cl. 58—7)



1. A slow beat clock movement comprising a main spring, a driven shaft, a gear train interposed therebetween, an escapement controlling said train, and a balance wheel having a light, coiled hair spring related to the balance wheel substantially in accordance with the equation $k=17$ I.

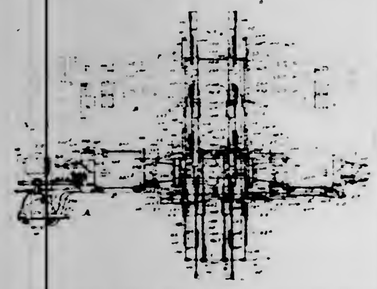
2,004,815
OPHTHALMIC LENS AND PROCESS OF MAKING THE SAME
Max A. Laabs, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 10, 1932, Serial No. 628,191
8 Claims. (Cl. 88—54)



3. A multifocal or bifocal lens comprising a major portion of lens medium having a relatively large countersink therein with the shape of a portion of its contour edge definitely controlled and the remainder uncontrolled, and a minor portion of lens medium of a different index of refraction having a portion of its contour edge shaped substantially to the same contour shape and to align with the definitely shaped portion of the edge of the countersink secured in

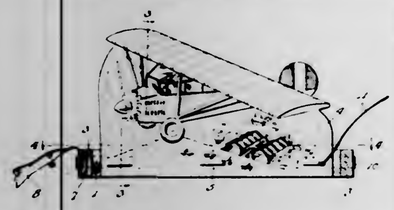
said countersink with the said shaped edges in aligned relation with each other, said countersink being relatively large with respect to the size of the minor portion and extending beyond said minor portion on all sides except the aligned shaped edges wherein portions of the shaped edge of the countersink extend outwardly beyond the opposite ends of the shaped edge of said minor portion.

2,004,816
METAL BARREL DRUM BEADING MACHINE
Bror J. Lindgren, Buffalo, N. Y., assignor to Niagara Machine and Tool Works, Buffalo, N. Y., a corporation of New York
Application December 21, 1932, Serial No. 648,184
32 Claims. (Cl. 153—2)



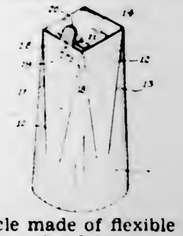
1. A conveyor mechanism for moving bodies to be worked upon to and from an operating station including a track over which said bodies are moved, a feeding frame reciprocating lengthwise of said track, and feeding means movably mounted on said frame and adapted to project upwardly from said frame and operatively engage the bodies during the forward movement of the frame and to be deflected downwardly out of the path of said bodies during the backward movement of the frame, each of said feeding means having a dog pivoted at its lower end on said frame and provided with an arm, a shifting rod connected with said arm, a guide for said rod, a spring interposed between said guide and a shoulder on said rod and operating to hold the dog yieldingly in its operative position, and a stop for limiting the movement of said dog under the action of said spring.

2,004,817
SOUNDING TOY
Albert T. Linney, Lexington, Ky.
Application August 13, 1934, Serial No. 739,694
9 Claims. (Cl. 46—14)



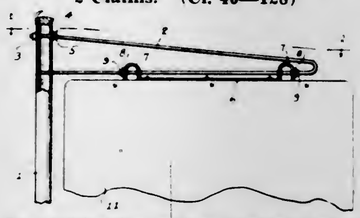
1. A device of the type described comprising a frame, a sheet of stiff material extending longitudinally of the frame and rising therefrom, a tail of light material having one end disposed against one end of the frame, a plug in said end of the frame, and an elastic band stretched around the ends of the frame and over the end of the tail.

2,004,818
PAPER RECEPTACLE
William S. Luckett, New York, N. Y.
Application May 11, 1933, Serial No. 670,579
16 Claims. (Cl. 229—7)



1. A receptacle made of flexible material comprising a body member having one end polygonal and its other end cylindrical, a polygonal closure member for said first end, means securing said members together and sealing the joint therebetween, a dispensing opening in one member, and a part on the other member covering said opening and movable to uncover said opening, and a closure for said second end of the body member.

2,004,819
SWINGING SIGN SUPPORT
William H. Martin, Ottawa, Kans., assignor to Beatrice Martin, Ottawa, Kans.
Application December 5, 1934, Serial No. 756,151
2 Claims. (Cl. 40—128)



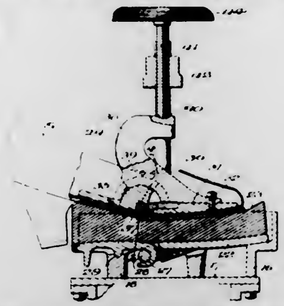
2. In combination with a tubular post and an element to be suspended, a substantially hairpin-shaped member having its upper limb passing through the post adjacent the top thereof and fastened to the post, the lower limb passing through a hole in one wall of the post and abutting the portion of the opposite inner wall, a member having its ends bent into substantially inverted U-shape through which the lower limb passes, washers on the lower limb engaging the outer limbs of the U-shaped members and holding the same under pressure, projections on the lower limb of the hairpin-shaped member for holding the washers in place, and means for attaching the element to the member having the U-shaped end portions.

2,004,820
SHOE PRESSING MACHINE
Roy F. McClenathan, Erie, Pa., assignor to Lamac Process Company, Erie, Pa., a corporation
Application May 26, 1932, Serial No. 613,737
12 Claims. (Cl. 12—33)

1. A unit for use in pressing a shoe sole against its upper during a repair operation including a base equipped with an articulate plate, a yieldable shoe supporting pad superimposed on the

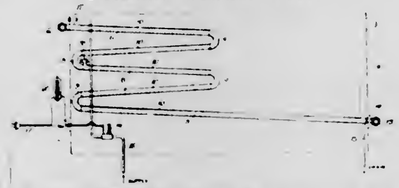
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plate, and articulated means engageable in the shoe and movable inwardly against the sole of



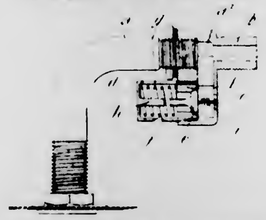
the latter to automatically urge the parts of the articulate plate against the pad.

2,004,821
HUMIDIFIER
Stowell W. Mears, New York, N. Y.
Application November 29, 1932, Serial No. 644,855
4 Claims. (Cl. 257—183)



2. A humidifier including an inner pipe for hot fluid, an outer pipe enclosing the first mentioned pipe, said pipes inclining from their upper to their lower ends so that water supplied to the upper end of the outer pipe will flow by gravity to the lower end of the said pipe, said pipes comprising a plurality of straight sections connected by return bends, the straight portions of the pipe having slots in their upper portions.

2,004,822
PRESSURE CONTROL FOR PNEUMATIC TIRES
Louis Marcel Mercier, Neuilly-sur-Seine, France
Application December 15, 1932, Serial No. 647,445
In Belgium October 27, 1932
1 Claim. (Cl. 152—11.5)



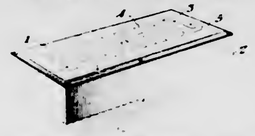
A safety valve for use in connection with a pneumatic tire valve device including a valve stem, a vale in said stem and a valve rod projecting from said valve stem, which comprises, in combination, a casing having a screw threaded bore for connecting it to the inlet end of said valve stem, a tubular air inlet extension carried by said casing and adapted to receive slidably the end of said valve rod, a cylinder opening at one end into said casing and rigidly fixed thereto, said cylinder being provided with a hole in its intermediate wall so as to connect its inside with the atmosphere, a piston slidably mounted in said cylinder provided with an opening extending therethrough, a valve mounted in said opening, elastic means adapted to act on said piston for resisting the action of the air pressure in said casing thereon, and an abutment rigidly carried by said cylinder and mounted to contact with said valve when the piston has moved a predetermined distance in the cylinder under the action of the air pressure in the casing.

2,004,823
SHOE
Samuel J. Meyer, Brooklyn, N. Y.
Application July 18, 1934, Serial No. 735,871
2 Claims. (Cl. 36—45)



1. In a low shoe, a reinforcing and supporting member connected between the shank portion of the sole of the shoe and the upper part of the quarter of the shoe on the inside of the shoe and on that side which engages the inner side of the foot, said member being relatively broad at its point of connection with the sole and extending along the shank substantially from the heel to the ball of the foot and tapering towards the top, the degree of said taper increasing progressively to a point adjacent the top of said member and being relatively shorter between the points where it connects to the shoe than the quarter of the shoe between the same two points.

2,004,824
PRINTING PLATE AND THE PROCESS OF MAKING THE SAME
John MacLean, Pueblo, Colo.
Application March 9, 1931, Serial No. 521,299
13 Claims. (Cl. 41—41.5)



13. The process of making printing plates which comprises, taking a body portion of German silver, applying a layer of nickel on the face thereof, etching away the nickel coating in part to leave only desired printing portions defined by the remaining nickel coating, and directly treating the exposed portions of the German silver body with mercury.

2,004,825
SWIMMING BATH
Godfrey Ewart Morgans, London, England
Application October 23, 1934, Serial No. 749,638
In Great Britain November 11, 1933
8 Claims. (Cl. 4—172)

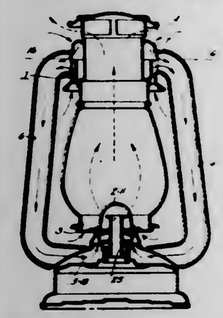
1. A swimming bath having an inlet in the centre of its base, a collector channel disposed ex-

ternally of said bath slightly below the water level of the bath, an outlet disposed around the periphery of the base of the bath and in communication with said collector channel so as to



supply the water leaving said bath to the collector channel and conduits for conducting pure water to the central inlet and for removing impure water from the collector channel.

2,004,826
HURRICANE LANTERN
Bruno Nier, Beierfeld, Germany
Application May 6, 1933, Serial No. 669,776
In Germany May 7, 1932
7 Claims. (Cl. 240—27)

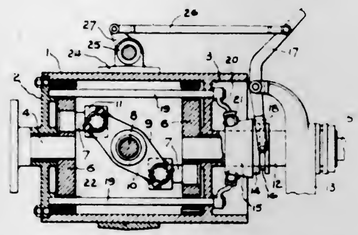


1. A hurricane lantern of the wick type burning liquid fuel, comprising a glass chimney, a sieve plate carrying the glass chimney, and a lantern head located above the glass chimney and formed with apertures for the escape of the gaseous products of combustion, the space between the sieve plate and the apertures in the lantern head not exceeding 120 cubic centimeters per Hefner candle power produced.

3. A hurricane lantern burner comprising a wick sheath, and strips of copper connected at one end with the top of the wick sheath, the said strips of copper extending transversely to the current of air flowing upwardly around the wick sheath and being adapted to conduct away rapidly the heat generated at the wick-sheath by the burning of the lantern.

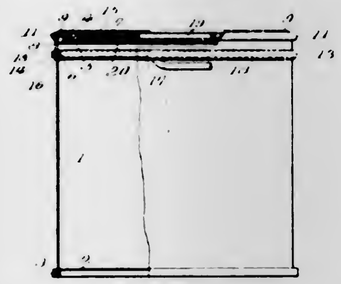
2,004,827
REVERSING TRANSMISSION
Floyd P. Quinn, William Horrobin, and William Frank Hawkins, Vancouver, British Columbia, Canada
Application July 5, 1934, Serial No. 733,872
3 Claims. (Cl. 74—67)

1. In a reversing transmission of the type described, a pair of aligned shafts, a crank to each shaft and a fixed crank pin extending from the crank parallel to the shafts, rocker arms mounted for sliding movement transversely of the axis



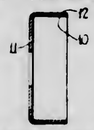
of the shafts and trunnioned crossheads carried by the rocker arms slidably journalled upon the crank pins.

2,004,828
METAL CONTAINER
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 22, 1931, Serial No. 552,514
2 Claims. (Cl. 220—47)



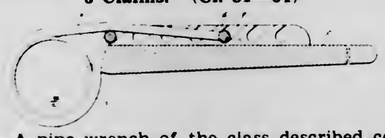
1. A container comprising a body portion having the upper edge thereof rolled inwardly to form a hollow strengthening bead, the wall of said container being formed with an inwardly extending bead adjacent the upper end and spaced from said hollow bead, a cover end for closing said container including a top portion and an outside slip flange, said top portion having an outwardly extending bead forming a recess within the cover directly over the rolled edge on the body, a gasket between the top and the body overlying said recess, said cover flange having an outwardly extending bead conforming to the bead in the body and disposed so as to be exposed to said bead in the body when the cover is forced into tight sealing contact with the gasket, and the gasket in sealing contact with the rolled edge of the body, and a retaining wire housed within said recess formed by the beads in the cover flange and the body and operating to maintain a sealed contact between the cover, gasket and container, said retaining wire having a projecting end portion extending beneath the flange of the cover and parallel therewith and serving as a gripping means whereby said wire may be forcibly removed from beneath the flange for releasing the cover.

2,004,829
BRAKING MEMBER
Earl J. W. Ragsdale, Norristown, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 12, 1930, Serial No. 495,043
12 Claims. (Cl. 188—218)



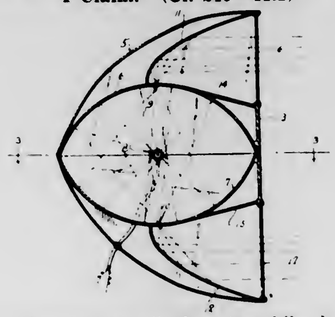
3. An austenitic stainless steel brake drum.

2,004,830
PIPE WRENCH
Nelson G. Rector, Jonesboro, Ark.
Application September 7, 1934, Serial No. 743,127
3 Claims. (Cl. 81—64)



1. A pipe wrench of the class described comprising a handle, a pair of flanges extending from one side only and around one end of the handle, said pair of flanges disposed in spaced coextensive parallelism with each other and provided with spaced aligned notches on the confronting faces of the flanges, a flexible nonarticulate member, heads on the ends of the flexible member extending laterally of the member for selectively and detachably seating in aligned notches.

2,004,831
AUTOMOBILE HEADLIGHT
Clifford Mercer Rice, Daytona Beach, Fla.
Application October 13, 1934, Serial No. 748,254
1 Claim. (Cl. 240—41.1)



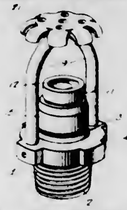
The herein described automobile headlight comprising a casing, an elongated light source of cylindrical shape mounted transversely in the casing, a pair of cylindro-semi-elliptical reflectors surrounding said light source, the light source extending from side to side of said reflectors, and the rear portions of said reflectors being provided with dark surfaces; secondary cylindro-parabolic reflectors arranged above and below said cylindro-semi-elliptical reflectors, said cylindro-semi-elliptical reflectors having apertures formed therein whereby the light rays from the said elliptical reflectors are focused to pass outwardly through said apertures to be reflected outwardly by the secondary cylindro-parabolic reflectors; and said casing having an open front side, a transverse opaque plate spaced from the upper and lower portions of the casing and extending across said front side, and transparent plates closing the front side of the casing above and below said transparent plate and covering said parabolic reflectors.

2,004,832
ACETYLENE BURNING IRON
Joseph L. Roberts, Jamaica, N. Y., assignor of one-half to Henry J. McCarthy, Baltimore, Md.
Application August 18, 1931, Serial No. 557,899
5 Claims. (Cl. 158—14)



1. In an acetylene burning iron, a tubular handle, a tubular stem carried by the handle, an air supply inlet in the stem, a tubular combustion chamber in communication with said stem, said chamber having formed therein a threaded reduced portion and two inwardly directed annular ribs, one of said ribs being spaced axially of the threaded portion to form in the chamber an annular groove and the other rib being formed at the other edge of the chamber to constrict the same, and a burning tool having a shank of less diameter than the diameter of the combustion chamber at said ribs inserted in the chamber to be connected to the said threaded portion, said shank having a pocket formed therein in communication with the bore of the stem and with ports through the wall of the pocket to connect the latter with said annular groove.

2,004,833
SPRINKLER HEAD FOR FIRE-EXTINGUISHING SYSTEMS
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 18, 1934, Serial No. 726,360
8 Claims. (Cl. 169—38)

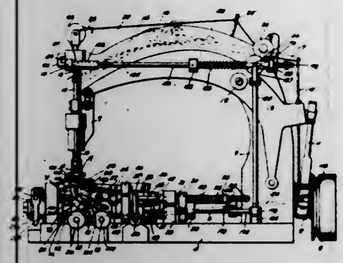


1. A sprinkler head comprising a tubular body member formed with a seat, a closure element seating on said seat, and retaining means for said element comprising a sleeve adjustable on said member, and a collapsible strut assembly embraced and forcibly held by said sleeve in closure-retaining position and including a body of fusible composition acting under compression to prevent collapse of said assembly.

2,004,834
TUFTING ATTACHMENT FOR SEWING MACHINES
Julian Guy Russell, North Chattanooga, Tenn., assignor, by mesne assignments, to Carter Brothers, Incorporated, Chattanooga, Tenn., a corporation of Tennessee
Application December 9, 1929, Serial No. 412,821
Renewed July 19, 1933
34 Claims. (Cl. 112—79)

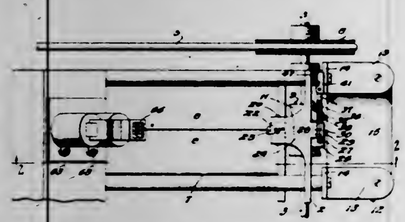
1. In a machine of the character described, the combination with a reciprocating needle, means

for guiding a strand thereto, loop forming mechanism, comprising a fixed abutment, a reciprocating looper bill movable toward and from said abutment, a pair of separately movable gripper



arms and abutments with which said gripper arms cooperate for holding portions of successive loops during operation of the needle to produce successive loops of uniform dimensions.

2,004,835
MONEY COUNTING MACHINE
Ernest P. Schneider, Washington, D. C.
Application May 15, 1933, Serial No. 671,263
15 Claims. (Cl. 271—57)



1. In a machine of the character described the combination of a bodily movable roll for feeding paper money to the machine, means for rotating said roll, and means actuated by the bodily movement of said roll caused by the insertion of a plurality of bills of paper money for reversing the direction of rotation of said roll to reject the said bills from the machine.

2,004,836
PROCESS FOR THE PRODUCTION OF CHROMIUM STEEL ALLOYS BY THE BASIC PROCESS
Ernst Hermann Schulz, Dortmund, Germany, assignor to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
No Drawing. Application January 3, 1934, Serial No. 705,159. In Germany December 18, 1930
8 Claims. (Cl. 75—45)

1. A process for the production of chromium steel alloys of all kinds by the basic process, which comprises subjecting a steel which contains phosphorus to a blowing treatment in a converter and interrupting said blowing before the elimination of phosphorus has reached the normal extent from .03%, then introducing sufficient chromium into the converter to give a content of between .2 and 1% of chromium in the final steel, thereupon intimately mixing the chromium with the steel bath by subjecting the bath to a very short blow.

2,004,837
LOOSE LEAF BINDER
Wilfrid Shewell and Harold Arthur Cherry, Northfield, Birmingham, England, assignors to Morland & Impey Limited, Birmingham, England
Application November 15, 1933, Serial No. 698,192
In Great Britain November 23, 1932
3 Claims. (Cl. 129—41)



1. For use in loose leaf binders, a cover of rectangular form and constituted by a single thickness of material having a deep outer recess arranged adjacent to each of its longitudinal edges, the portion between the recesses forming at the inside of the cover a recess which serves to accommodate part of the binding mechanism, substantially as described.

2,004,838
DEVICE FOR GRINDING AND SHARPENING RAZOR BLADES
Ferdinand Soucsek, Brusau, Czechoslovakia
Application May 13, 1933, Serial No. 670,980
In Czechoslovakia May 31, 1932
16 Claims. (Cl. 51—161)

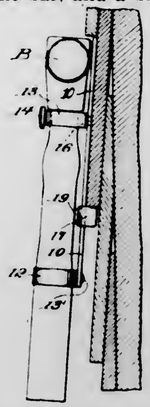


16. A razor blade sharpener comprising two spaced abrading members providing juxtaposed and oppositely inclined sharpening surfaces, means for holding a razor blade in spring pressed relation against said sharpening surfaces and spaced actuating members acting individually for imparting a positive revolvable movement to said razor blade whereby the cutting edges thereof are brought into engagement with said sharpening surfaces.

2,004,839
SHINGLE GAUGE
Peder Steien, Lancaster, Minn.
Application February 5, 1934, Serial No. 709,844
1 Claim. (Cl. 33—188)

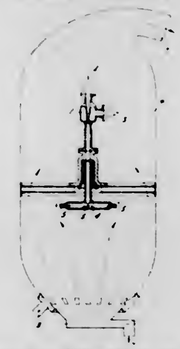
A shingle gauge for hammers comprising a scale bar having a scale marking longitudinally thereof, a resilient clip swiveled to one end of the bar for embracing a handle of the hammer, a U-shaped clamp attached to the bar intermediate of its length and engageable with the handle to protrude the other end of the bar alongside of a head of the hammer, a bolt engaged in the clamp for making fast the same to the handle of the hammer, a split slide fitted on the bar and

having a protruding threaded stud extended laterally from the bar, and a binding nut engaged



on said stud for rendering the slide fast in adjusted position on the bar.

2,004,840
APPARATUS FOR DISPERSING LIQUIDS AND MIXTURES
Eduard Ferdinand van Suchtelen, Amsterdam, Netherlands
Application October 11, 1932, Serial No. 637,325
In the Netherlands October 12, 1931
8 Claims. (Cl. 159—4)



4. Apparatus for dispersing or spraying liquids and the like, comprising an injector, means for passing a fluid mass at high pressure into said injector, means for forcing under high pressure a fluid mass to be mixed with the said first-mentioned mass into said injector, and a reaction-type atomizer having narrow lateral openings and communicating with said injector and rotatably mounted for passing the atomized fluid outwardly in a circular path due to the reaction of the mixed fluids on the atomizer.

2,004,841
EXTERMINATOR FOR INSECTS
Guy Vinson, Miami, Fla.
Application February 4, 1935, Serial No. 4,937
4 Claims. (Cl. 43—131)

1. In an insect exterminator, a shield formed of sheet metal having opposite walls spaced apart, a body of poison located between such walls, which extend beyond such body leaving the edge faces thereof exposed and forming open spaces for the insects where they have access to the edge faces of poison, a guard of woven wire fabric pro-



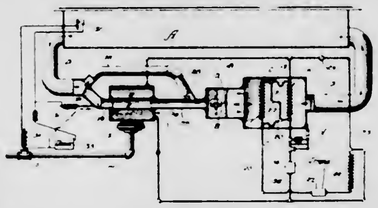
tecting and holding in position the body of poison, portions of the guard and of the shield inter-engaging to unite these parts.

2,004,842
BRAKE
Fredric H. Wandell, Los Gatos, Calif.
Application March 26, 1934, Serial No. 717,465
1 Claim. (Cl. 188—234)



In a device of the character described, the combination with a brake shoe, having offset recesses formed therein said recesses being spaced one from the other, transverse grooves formed in the face of said brake shoe and positioned between said offset recesses, and a brake lining engaging said brake shoe, the brake lining having offset ribs corresponding to the grooves formed in said shoe, said brake lining having offset lugs adapted to enter said recesses, said recesses having grooves formed in the sides thereof, and locking pins interposed between said lugs and said brake shoe and resting in said grooves formed in said offset recesses.

2,004,843
ABSORPTION CYCLE TEMPERATURE CONTROL APPARATUS
Gilbert Wilkes, Jacksonwald, and John S. Avery, Pennside, Pa., assignors to Wilkes Avery Corporation, New York, N. Y., a corporation of New York
Application August 4, 1932, Serial No. 627,500
12 Claims. (Cl. 62—118)



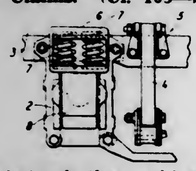
1. In apparatus for heating and in combination with an area to be heated, an absorption cycle heat pump comprising a generator-absorber, a condenser and an evaporator arranged in series, a casing duct-connected with said area for the circulation of a fluid, and means for causing circulation of the fluid, said condenser being disposed in said casing, the duct connections between said casing and said area comprising parallel duct branches with one of which said generator-absorber is in heat transfer relation.

2,004,844
CONTAINER CLOSURE
Marion R. Williams, Kansas City, Mo.
Application May 17, 1934, Serial No. 726,136
2 Claims. (Cl. 221—60)
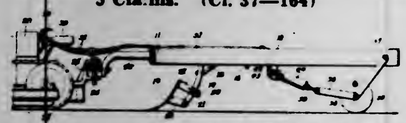


2. The combination of a neck of a container having a lateral discharge opening, a cap slidably fitted upon said neck, a valve controlling said discharge opening and having a stem fixed to the cap, and a disk-like resilient member interiorly fitting the cap, encircling said stem and engaged with said neck and normally holding the valve in closed position.

2,004,845
BOGIE FOR VEHICLES TRAVELING UPON RAILS
Jacques Worms, Versailles, France
Application October 6, 1932, Serial No. 636,601
In France October 14, 1931
2 Claims. (Cl. 105—224)



1. In a bogie truck, the combination of journal box castings with a truck frame, each side bar of which is a single flat bar, cast yokes having a groove in which rests said side bars and a cap at the top of the outer face of one of the vertical walls of said groove, helical springs disposed on the top of said journal box castings and located along side of one vertical face of said cast yokes and of said side bars for supporting said yokes by means of said cap, bolts for securing said yokes to said side-bars, and means for suspending the load from said side-bars in the closest possible vicinity of the axle journals.

2,004,846
TRACTOR DRAWN GRADER
John James Allison and James Pleasant Ivy, Chandler, Ariz.
Application July 9, 1934, Serial No. 734,398
5 Claims. (Cl. 37—164)



1. A tractor drawn grader having a forward tractor hitch and rear supporting wheels, and including side bars, the forward portions of which are rounded in connection with one another in approximately a semicircle, a curved cross member connecting the forward ends of the side bars and forming, with their said forward rounded ends, an inwardly opening channel, provided at one point with vertically aligned openings, a turntable movable within said channel and having a series of apertures therealong for selective alignment with the openings of the said housing, an angle bolt for extension through the openings of the house and the apertures of said turntable to secure the latter in adjusted position, a pair of depending blade supporting bars in connection with said turntable, and a blade pivoted to, and having an adjustable connection with, the lower portions of said supporting bars.

2,004,847
CRATE
William W. Birnstock, York, Pa.
Application March 19, 1930, Serial No. 437,121
17 Claims. (Cl. 217—20)



1. In a crate having sides, ends, partition rods at different levels joining opposite walls to form bottle receiving compartments, and supporting rods joining opposite walls to form a bottom rest for the bottles; a spacer engaging one side of one lower partition rod throughout its exposed length and having openings to receive the adjacent supporting rods so as to lock the said one lower partition rod to said spacer, and a bracket engaging said spacer, a plurality of supporting rods and one of the upper partition rods and having openings therethru to receive a plurality of partition rods located between the upper partition rod engaged by the bracket and the lower partition rod engaged by the spacer.

2,004,848
GARMENT STRETCHER
Lee Bond and Le Roy Clair Bond, Brookfield, Mo., assignors to The Davis Company, Omaha, Nebr., a corporation of Nebraska
Application October 9, 1934, Serial No. 747,640
5 Claims. (Cl. 223—19)



1. In a garment stretcher of the character described, a substantially U-shaped member having a sleeve secured in one end thereof, a handle having a threaded engagement with the sleeve, a rod having a non-threaded portion extending through and rotatable in the handle, said rod having an operating crank on one end and reversely threaded portions on a relatively opposite end, follower nuts on the threaded portions of the rod, a pair of side members, links pivotally connecting the follower nuts with the side members, and other links pivotally connecting said sleeve with the side members.

2,004,849
METHOD OF TREATING HYDROCARBONS
Max E. Bretschger, Buffalo, N. Y., and Ernest A. Bosing, Long Beach, Calif., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application March 21, 1932, Serial No. 600,372
5 Claims. (Cl. 196—29)

3. The step in the refining of liquid hydrocarbon distillates containing aromatic compounds which includes agitation of the hydrocarbon with hydrogen peroxide in the presence of sulfuric acid insufficient in concentration to combine with the aromatic compounds but sufficient to dissolve the oxidized sulfur compounds.

2,004,850
SEAT FOR USE IN ROAD OR RAIL VEHICLES
Ettore Bugatti, Molsheim, France
Application November 21, 1933, Serial No. 699,071
In France November 28, 1932
5 Claims. (Cl. 155—99)



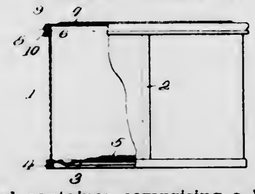
1. A seat of the type described which comprises, in combination, a supporting frame including two horizontal members disposed in parallel relation to each other both at substantially the same level above the bottom of the frame, a seat unit consisting of two elements making a given angle with each other and rigidly assembled together, and at least one hook carried by the outer face of at least one of said elements, adapted to pivotally engage on either of said horizontal members, the other element then resting on the other horizontal member, whereby the seat can be fixed in either of two opposed positions in said frame.

2,004,851
RESISTOR GRID FOR ELECTRIC FURNACES
Frank T. Cope, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application March 1, 1932, Serial No. 596,034
16 Claims. (Cl. 201—69)



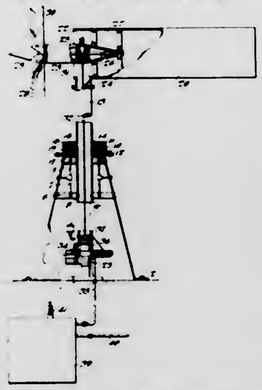
1. A cast metal resistor grid including a straight bar of substantially V cross sectional shape with an apex rounded both on the inside and outside on substantially the same center.

2,004,852
SHEET METAL CONTAINER
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 23, 1934, Serial No. 712,646
1 Claim. (Cl. 220—60)



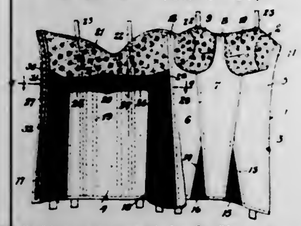
A metal container comprising a body portion having an upwardly projecting hollow bead at the upper end thereof, the lower portion of which is spaced away from the outer wall of the container body whereby said bead is permitted to yield inwardly, a cover for said body portion having a depending flange extending beneath said bead on the body portion, said cover flange being curved downwardly and inwardly so as to provide a retaining recess for the hollow bead on the container end, the lower edge portion of said depending flange being rolled outwardly into a closed bead disposed beneath the hollow bead on the container for strengthening said edge portion of the flange, said flange at the lower edge portion thereof having an inner diameter which is slightly less than the outer diameter of the hollow bead on the container body, and also a diameter which is greater than the outer diameter of the container body so that when said cover is seated on the container body, said lower portion of the flange is spaced away from the container body.

2,004,853
AIR OPERATED POWER UNIT
Palmer H. Crary, Coconut Grove, Fla., assignor of one-third to William F. A. Buehner, Miami, Fla., and 10 per cent to Robert A. Wright, Rye, N. Y.
Application November 18, 1932, Serial No. 643,264
8 Claims. (Cl. 170—4)



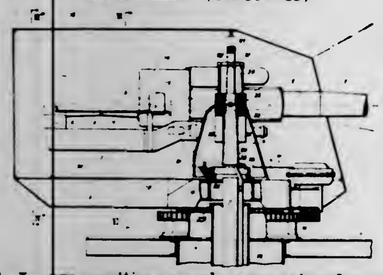
1. An air operated power unit comprising, a swingable support, a wind wheel carried by said support and rotatable on a substantially horizontal axis, and a wind tube carried by said support trailing behind and substantially in line with the axis of rotation of said wind wheel and provided with a venturi.

2,004,854
FOUNDATION GARMENT
Katherine E. Cunningham, New Haven, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application March 28, 1933, Serial No. 663,210
1 Claim. (Cl. 2—30)



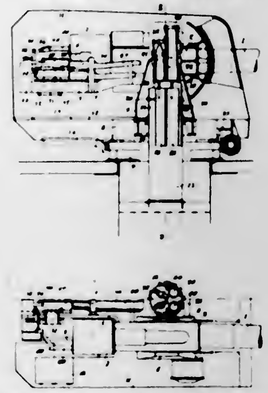
A foundation garment including a corset body and a brassière having breast pockets, said brassière merging into the top of the corset body, said corset body and brassière being open from top to bottom along one side, said corset body having a substantially inelastic front, an inelastic back and a pair of elastic side panels extending from the top to the bottom of the corset body, a bracing strap confined below said breast pockets and attached to the corset body adjacent the forward edges of the respective elastic panels and acting to constrict the waistline and uplift the breasts of the person wearing the garment, said bracing strap having elastic and inelastic portions and means for connecting said strap to said inelastic back substantially centrally thereof.

2,004,855
AMMUNITION SUPPLYING DEVICE FOR PAIRS OF GUNS MOUNTED IN TURRETS OR THE LIKE
Leon Daum, Paris, France, assignor of one-half to Schneider & Cie., Paris, France, a company of France, and one-half to Compagnie des Forges & Acieries de la Marine et d'Homecourt, Paris, France, a company of France
Application July 24, 1933, Serial No. 681,980
In France August 19, 1932
20 Claims. (Cl. 89—45)



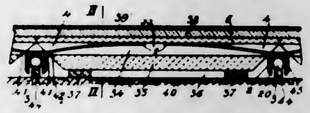
1. In ammunition supply apparatus for rotatable twin gun mounts, the combination of a fixed central hoist for delivering ammunition for both guns to a point between the guns, means for receiving and retaining the ammunition delivered by said hoist, a member in which said receiving means is pivoted for movement about a horizontal axis, a support for said member fixed with respect to said guns, and means for swivelly mounting said member in said support for movement about a vertical axis whereby said receiving means may be brought into alinement with said hoist regardless of the direction in which said guns are trained.

2,004,856
AMMUNITION SUPPLYING DEVICE FOR PAIRS OF GUNS MOUNTED IN TURRETS OR THE LIKE
Leon Daum, Paris, France, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France, a company of France, and one-half to Schneider & Cie, Paris, France, a company of France
Application October 14, 1933, Serial No. 693,654
In France August 19, 1933
14 Claims. (Cl. 89—45)



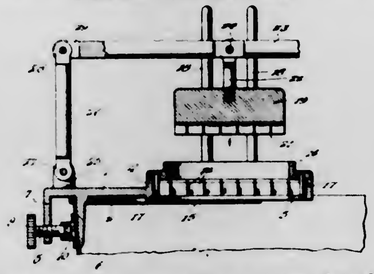
1. In apparatus for supplying to the guns of a rotatable twin gun mount ammunition of the type in which the projectile and propelling charge are separate, the combination of a fixed main hoist adapted to deliver a pair of projectiles and a pair of propelling charges simultaneously to a point between the guns, a member mounted above said hoist having four compartments symmetrically arranged in pairs, each pair of compartments being adapted to receive from said hoist and to retain a projectile and a propelling charge, respectively, a pair of superposed ammunition trays associated with each of said guns, means for simultaneously transferring the projectiles and propelling charges from said compartments to said trays, and means for successively moving the projectile and charge delivered to each pair of trays into loading position in alinement with the bore of the associated gun.

2,004,857
APPARATUS FOR THE DISTRIBUTION OF HEAT
William Dériaz, Geneva, Switzerland
Application December 15, 1932, Serial No. 647,497
In Switzerland December 21, 1931
6 Claims. (Cl. 257—248)



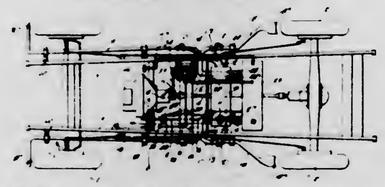
1. A heat-exchange installation comprising means for giving a substantially uniform temperature to all points of a heat-exchange surface, the said means comprising a net of tubes disposed parallel to said surface and containing the source of thermal energy, the enveloping surface of said tubes being materially smaller than the exchange surface, heat-distributing means between the tubes and the said surface, at least one compensating part of greater specific resistance to thermal transmission than the distributing means and disposed between said means and said surface, the compensating part having the value of its absolute thermal resistance measured at right angles to the said surface greater in a region near the tubes than in a region remote therefrom in such manner that there is obtained a practically uniform temperature throughout the entire heat-exchange surface.

2,004,858
POTATO CUTTER
George M. Farabough, Rogers, Ark.
Application September 29, 1933, Serial No. 691,545
1 Claim. (Cl. 146—169)



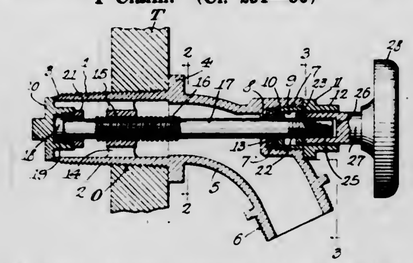
A potato cutter comprising a base plate having an arcuate edge adapted to rest upon the rim of a pan and having a depending flange on its under side adjacent said edge to fit within the pan against walls of the pan, the base plate being formed with an opening, means at the arcuate edge of the base plate to clamp the plate to walls of the pan, an upstanding rim bordering the opening and at only one side thereof formed with sockets, a cutter mounted in said opening, guide rods rising from said rim at only the said side of the opening and spaced from each other and having their lower ends secured in the sockets, a plunger adapted to fit within the opening and having a lateral extension at only one side formed with openings through which the rods extend to slidably mount the plunger and guide vertical movement of the plunger, and means mounted upon the base plate and connected with the plunger for sliding the plunger along the rods toward and away from the cutters.

2,004,859
AUTOMOBILE SURFACE SANDER
Lyle T. Farley, Norwich, N. Y.
Application May 4, 1934, Serial No. 723,960
4 Claims. (Cl. 291—15)



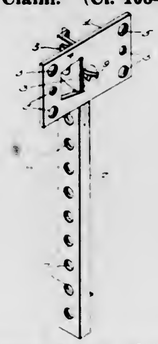
1. A sanding unit attachment for disposition on a motor vehicle, said attachment comprising a sand container, conduit pipes leading therefrom, valves operable to control the discharge through said conduits, and means for operating the valves from the brake pedal of the vehicle, an air tank in communication with the sand container, an air compressor in communication with the air tank, a support for the air compressor extending transversely of the vehicle and along which the air compressor is movable, means for driving the compressor from the motor shaft of the vehicle including belt and pulley drive means, and means for moving the compressor along its support to develop or take up slack in the drive belt to thereby control the driving connection between the motor shaft and the compressor.

2,004,860
BUNG FAUCET
Abele Ferrari, Mario Scallone, and Cesare Rafanelli, Healdsburg, Calif.
Application March 6, 1935, Serial No. 9,676
1 Claim. (Cl. 251—50)



A bung faucet including a tapered screw threaded bung portion one end of which constitutes a valve seat, there being a spout extending from the other faucet end portion, said spout having a recess in the wall thereof in axial alinement with the bung portion, a cup adjustably seated in the recess, packing material interposed between the cup and the inner end of the recess, a screw threaded stem, means in the bung portion for supporting the stem and feeding it longitudinally when the stem is rotated, a valve carried by one end of the stem and movable against the seat, means within the cup and adjustable on the other end of the stem for limiting the longitudinal movement of the stem, and means detachably mounted in the cup for engaging and actuating the stem.

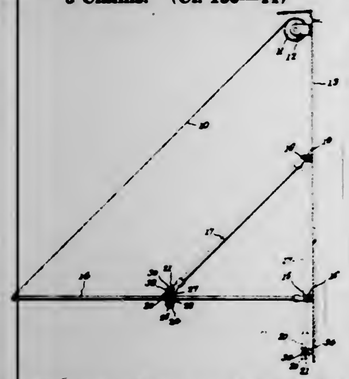
2,004,861
GUTTER HANGER
Howard B. Feltman, Wyncote, Pa., assignor to Berger Brothers Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1933, Serial No. 658,423
1 Claim. (Cl. 108—29)



A gutter hanger fixture of the type comprising a plate adapted to be secured against an

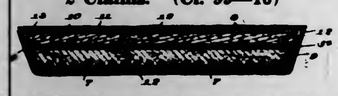
exposed surface of an eaves structure underneath the roof overhang, said plate having apertures for passage of securing elements therethrough, said fixture comprising also a stem at one face of and depending from said plate and adapted to receive a gutter-supporting circle, and a projection on the opposite face of said plate located adjacent said apertures and in substantial alignment with the stem whereby impact on the latter is transmitted by direct thrust to said projection to cause the projection to penetrate the eaves structure to thereby fix the fixture in a normal permanent position preparatory to entering said securing elements, said projection being above the center of weight of the entire fixture.

2,004,862
AWNING FASTENING DEVICE
Charles W. Gaswint, Mason City, Iowa
Application August 17, 1934, Serial No. 740,331
3 Claims. (Cl. 156—44)



2. A fastening device for awnings having a downwardly swinging frame arm, a diagonal brace having a pivotal support above said frame arm and having a slotted and apertured ear at its free end, a clamp adjustably mounted on the awning arm, a threaded bolt carried by the clamp and extending outwardly therefrom for receiving the ear thereover, and a winged nut carried by the bolt for passage through the aperture and slot of the ear, said nut being adapted to be turned up against the ear for binding the same to the clamp.

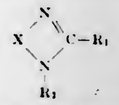
2,004,863
CONFECTION
Harvey C. Gibson, Columbia, Pa.
Application June 12, 1933, Serial No. 675,472
2 Claims. (Cl. 99—16)



1. A confection comprising an elongated edible container, the bottom and side walls of said container being corrugated, the corrugations on the side walls being cuspidated and terminating short of the upper edge of the container, an edible wafer serving as a partition and disposed parallel to the bottom, the ends and sides of said partition being in frictional engagement with the walls of the container, edible fillings above and below said wafer, a second wafer forming a top, means for sealing said second named wafer in position, and an edible coating on the outside of the container and the top wafer.

2,004,864
IMIDAZOLE DERIVATIVES, USEFUL ESPECIALLY AS TEXTILE ASSISTANTS AND PROCESS OF MAKING SAME
Charles Graenacher, Basel, and Franz Ackermann, Binningen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 25, 1934, Serial No. 727,584. In Switzerland June 9, 1933
22 Claims. (Cl. 260—44)

12. The imidazole derivatives of the general formula



wherein X stands for an aromatic radical of the benzene or naphthalene series, wherein further the two N-atoms are bound to two carbon atoms in ortho-position, R_1 represents an aliphatic radical containing at least 3 carbon atoms, and R_2 an aliphatic or araliphatic radical, which products form with hydrohalic acids salts whose dilute aqueous solutions are strongly capillary active.

2,004,865
EXHAUST GAS PURIFIER FOR VEHICLES
Joseph Grison, Braintree, Mass.
Application January 25, 1933, Serial No. 653,377
5 Claims. (Cl. 23—288)

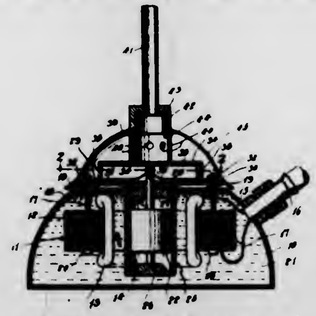


1. An exhaust gas purifier for internal combustion engines, comprising a tubular casing adapted to be attached at one end upon the exhaust pipe of said motor, a cylindrical lining rotative within said tubular casing, a plurality of transverse screens within said lining dividing off compartments, scrap material within one of said compartments, said lining and said transverse screens and said scrap material being of metal adapted to readily oxidize upon the passage of hot exhaust gases and air to form a compound adapted to give off oxygen to change the CO to CO_2 in the exhaust gas, and air tubes on said casing to supply the necessary air into said compartment means for moving said lining, and stationary cleaning elements engaging against the inside of said lining.

2,004,866
SUBMERSIBLE PUMP AND ELECTRIC MOTOR UNIT
James F. Haldeman, Bloomfield, Ind.
Application October 4, 1934, Serial No. 746,919
3 Claims. (Cl. 103—87)

1. A device of the class described comprising a casing having a chamber, an impeller in said chamber, a discharge pipe leading from the casing, said discharge pipe having an inlet, said chamber having outlet openings, a hood secured over said casing by said discharge pipe to confine the discharge from the chamber and cause it to pass into the inlet of the discharge pipe, a plate adjacent the bottom of the hood surrounded by the hood and having an opening constituting an inlet for the chamber, a base having an electric motor

therein, the armature shaft of the motor extending above the base and through said opening and driving the impeller, bolts connecting the



field core of the motor, said casing and plate together, and means spacing the plate and casing from the base and surrounding said bolts.

2,004,867
PROCESS FOR MAKING POTASSIUM OXALATE
Emil Hene, Berlin, Germany, assignor to Rudolph Koepp & Co., Chem. Fabrik A. G., Oestrich, Germany
No Drawing. Application May 24, 1933, Serial No. 672,736. In Germany May 30, 1932
5 Claims. (Cl. 260—115)

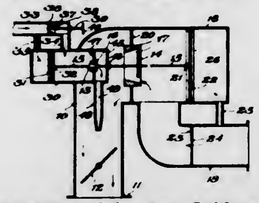
1. A process for making potassium oxalate from potassium formate consisting in melting potassium formate at a temperature between 350° C. and 300° C. and bubbling an inert gas through the melt at normal pressure.

2,004,868
APPARATUS FOR USE IN CHEMICAL DIGESTIONS
Abraham Henwood, Cynwyd, and Raymond M. Garey, Willow Grove, Pa.
Application October 30, 1933, Serial No. 695,916
10 Claims. (Cl. 23—292)



1. An apparatus for use in Kjeldahl digestions, comprising a Kjeldahl flask and an acid-resistant septum fitting snugly within the neck of said flask to prevent the formation of sulphuric acid fog by excluding cold air from said flask, such septum being pervious to the passage of gases but impervious to the passage of sulphuric acid mist.

2,004,869
CHARGE FORMING DEVICE
John Webb Hogg, Llanerch, Pa.
Application March 26, 1934, Serial No. 717,476
8 Claims. (Cl. 261—50)



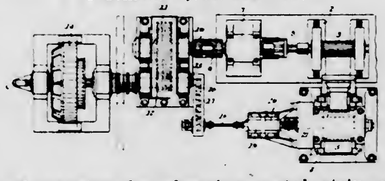
1. Apparatus for mixing two fluids under pressure in constant relative proportion, comprising a conduit for each fluid, the conduits being in communication, a valve in each conduit, means coupling the valves together, means separate from said valves for establishing a differential pressure in each fluid and means responsive to said differential pressure of each fluid and in operative connection with the valves.

2,004,870
BLOTTING ATTACHMENT FOR PENS
Robert Innes, Coldbrook, Nova Scotia, Canada
Application September 11, 1934, Serial No. 743,582
20 Claims. (Cl. 120—24)



1. A blotting attachment for pens comprising a container adapted to house a blotting strip, a releasable closure member for the container and resilient means for projecting a portion of said blotting strip beyond said container when said closure member has been released.

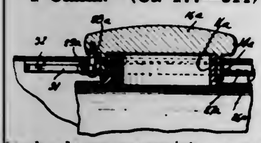
2,004,871
FEEDING AND SHEARING MECHANISM
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Homestead, Pa., a corporation of Pennsylvania
Application August 15, 1932, Serial No. 628,878
5 Claims. (Cl. 164—68)



1. Apparatus for shearing metal strip comprising two units, namely, a feed means and a rotary shear, in direct alignment with one another, the shear having a rotor with a cutting blade thereon, the feed means being effective for substantially continuously advancing material to the shear, and length controlling means effective for causing the shear blade to move at peripheral speeds differing in an adjusted amount from the linear speed of the material, said means including a fluid pump operatively connected with one of said units, a fluid motor

actuated thereby and operatively connected to the other of said units, and an adjusting device for adjusting the speed of the fluid motor, the units running at substantially constant relative speeds for any adjusted position of said device.

2,004,872
GAS TANK ALARM
Edward S. Johnson, Seven Mile, Ohio
Application February 9, 1932, Serial No. 591,891
Renewed November 16, 1934
1 Claim. (Cl. 177—314)



A gas tank alarm comprising a gas tank and a rotatable closure cap, an electric alarm and control switch therefor, pull cord operating means for the control switch connected to the switch, operative connections between the pull cord and tank cap, including a spring arm to which the pull cord is attached, a pin carried by the cap movable in a path upon rotary movement of the cap to operate the spring arm for sounding the alarm, a cover wall for the tank spaced therefrom and having an opening therein overlying the closure cap opening and an arcuate recess in the edge wall of the cover wall opening providing clearance for movement of the pin carried by the closure cap.

2,004,873
THIOSULPHATE ESTERS AND THEIR PRODUCTION
Alfred Kirstahler, Dusseldorf, and Wilhelm Jacob Kaiser, Dusseldorf-Benrath, Germany
No Drawing. Application December 5, 1933, Serial No. 701,082. In Germany January 4, 1932
21 Claims. (Cl. 260—99.12)

1. Process for the manufacture of high-molecular organic compounds, characterized in that the esters of, on the one hand, organic compounds of the group consisting of aliphatic, cycloaliphatic and aliphatic-aromatic compounds containing hydroxyl groups and having at least 6 carbon atoms, and, on the other, of carboxylic acids containing reactive halogen atoms, are treated with soluble salts of thiosulphuric acid.

21. As new products high-molecular organic esters of the general formula

$$R.O.CO.R'.S_2O_3Me$$

wherein R stands for a nonaromatic organic residue having at least 6 carbon atoms, R' for an organic residue and Me for an alkaline metal or for a radical of ammonium.

2,004,874
PRODUCT AND PROCESS FOR PREPARING SAME
Wilbur Arthur Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1932, Serial No. 629,307
11 Claims. (Cl. 87—16)

1. A soap containing an aliphatic open-chain alcohol, having from 8 to 20 carbon atoms, and corresponding to a fatty acid which is contained in naturally occurring fats.

2,004,875
MANUFACTURE OF ARTIFICIAL MATERIALS
Leon Lilienfeld, Vienna, Austria
No Drawing. Application June 27, 1930, Serial No. 464,426. In Austria July 15, 1929
5 Claims. (Cl. 18—54)

1. A process of removing yellowness and opalescence in artificial materials prepared from a solution of a xanthated product and containing free sulphur and also having a yellowness and opalescence not completely removable by desulphurization with solutions containing up to 3% of $Na_2S.9H_2O$, as heretofore applied to artificial silk, which process comprises subjecting such artificial materials to a treatment with a warm alkali sulphide solution of at least 5% strength, figured as $Na_2S.9H_2O$, until the said opalescence and yellowness are for the most part at least removed, and thereafter washing.

2,004,876
MANUFACTURE OF ARTIFICIAL THREADS AND OTHER PRODUCTS FROM CELLULOSE COMPOUNDS
Leon Lilienfeld, Vienna, Austria
No Drawing. Application July 14, 1933, Serial No. 680,498. In Great Britain July 15, 1932
7 Claims. (Cl. 18—54)

1. Process for refining artificial materials, made from a solution containing a xanthate of an oxy-organo derivative of cellulose by wet spinning, which process comprises treating the artificial materials first with an alkali sulphide solution of desulphurizing strength, at a temperature not exceeding 25° C. and thereafter with an alkali sulphide solution at a temperature exceeding 40° C.

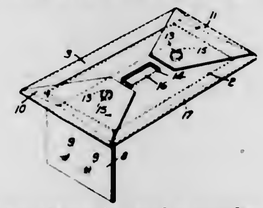
2,004,877
MANUFACTURE OF ARTIFICIAL THREADS AND OTHER PRODUCTS FROM CELLULOSE COMPOUNDS
Leon Lilienfeld, Vienna, Austria
No Drawing. Application July 14, 1933, Serial No. 680,499. In Great Britain July 15, 1932
7 Claims. (Cl. 18—54)

1. A process of refining shaped artificial structures particularly threads, made by coagulation of a shaped body of a solution containing a xanthate of an oxy-organo compound of cellulose, which structures contain in addition to free sulphur, colored substances not readily removable by treatment with a solution of $Na_2S.9H_2O$ of up to 3% strength, which process comprises subjecting the said structures to contact with a solution containing an alkali metal sulphide equivalent to at least 10% of $Na_2S.9H_2O$ and which also contains dissolved caustic alkali equivalent to at least 3% of NaOH, such solution being at a temperature of at least 50° C., until said colored substances are sufficiently removed.

2,004,878
CONTAINER
Malcolm S. MacNaught, Yonkers, N. Y., assignor to Hixon Electric Co., Boston, Mass., a corporation of Massachusetts
Application August 17, 1932, Serial No. 629,134
3 Claims. (Cl. 229—87)

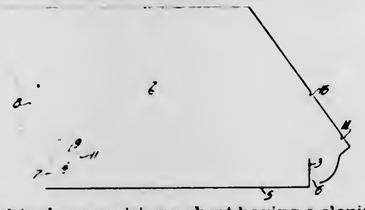
3. A container-forming blank of transparent sheet material comprising a base panel area having end and side adhesive wings cooperatively foldable thereon to form the container, one wing having a plurality of apertures for receiving mechanical locking elements to secure the container

and contents to a support and an aperture to receive a part of the contained article; a scored adhesive-carrying area in the base area severable sufficiently from the base and foldable on itself to be secured along a plurality of its edges to the scored area to form a closed pocket for



said locking elements; and a supplementary separable wing on the blank, foldable to form a hood-like cover for said part of the contained article in one of the apertures and of a construction to project through the aperture when the article is assembled with the container.

2,004,879
SHINGLE
Ernest C. Matthews and Loraine M. Clary, Eureka, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
Application April 20, 1932, Serial No. 606,376
3 Claims. (Cl. 108—7)



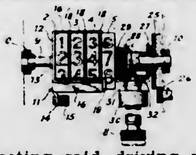
1. A shingle comprising a sheet having a sloping side edge, a receiving slot at one corner of the sheet and extending from the bottom edge of the shingle, a locking tab at an adjacent corner projecting outwardly from the sloping side of the shingle to provide a substantially V-shaped notch between the tab and side edge, and a slot extending into the body of the shingle from the base of said notch.

2,004,880
MIXED ESTER RESIN
Israel Rosenblum, Jackson Heights, N. Y.
No Drawing. Application December 14, 1933, Serial No. 702,366
6 Claims. (Cl. 260—8)

1. The method of producing a homogeneous, fusible, oil soluble resin which comprises reacting simultaneously glycerol, phthalic acid, maleic acid in a substantial amount up to approximately 1 mol for every mol of phthalic acid, and an amount of acids obtained on hydrolysis of a fatty triglyceride sufficient to make the product oil-soluble.

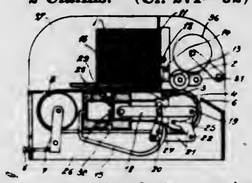
2,004,881
COUNTER
Edward A. Slye, East Hartford, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application July 5, 1932, Serial No. 620,822
31 Claims. (Cl. 235—144)

1. In a counter, a plurality of number wheels having a longitudinally fixed axial resetting shaft, internal transfer mechanism between said wheels having positive locking mechanism, driving mechanism for said wheels, and mechanism



for disconnecting said driving mechanism and resetting said wheels while said transfer mechanism is locked.

2,004,882
APPARATUS FOR DELIVERING FLAT ELEMENTS ONE AT A TIME, MORE ESPECIALLY FOR DELIVERING ENVELOPES TO AN OBLITERATING MACHINE
Armand Vorms, Paris, France, assignor to Societe de l'Outillage R. B. V. (Société Anonyme français), Paris, France
Application January 30, 1933, Serial No. 654,286
In Luxemburg February 2, 1932
2 Claims. (Cl. 271—32)



1. A device to distribute previously stacked envelopes to an obliterating machine which comprises: a cylinder provided with only one end, a piston alternately movable in said cylinder, a suction cup connected rigidly to this piston and establishing communication thereof, through a continuous passage, with the interior of the cylinder behind the piston, a shutter disposed behind the stack of envelopes, said shutter being movable parallel with the plane of the opening of the suction cup and toward said opening through the action of a cable drawn by a counterweight, a second cable attached to this shutter, in opposition to the first-mentioned cable, said second cable being attached at the other end to a fixed point after having passed over a pulley mounted on an oscillating lever, and a pedal connected by a transmission to said lever to oscillate the latter in a direction which produces traction on the second cable through the movement of the pulley carried by this lever, so as to bring the shutter to the rear for placing a new stack of envelopes in position.

2,004,883
BEVERAGE POT OR THE LIKE
Frank E. Wolcott, West Hartford, Conn., assignor to Hartford Products Corporation, a corporation of Delaware
Application April 26, 1932, Serial No. 607,573
9 Claims. (Cl. 53—3)

1. A pouring cover for a receptacle having a bell-mouth pouring neck comprising a cover member having a pouring outlet at the periphery thereof and having one wall of said outlet open to provide a pouring outlet defined partly by the cover and partly by the bell-mouth of the receptacle, seating flange means extended around the remainder of the periphery of said cover member engageable with the sloping wall of said bell-

mouth, and means on said cover member having resilient portions extending below said cover



member for releasably engaging the inside of said neck below said mouth and seating said seating flange means in said bell-mouth.

2,004,884
PRODUCTION OF ACENAPHTHYLENE
Carl Wulff, Ludwigshafen-on-the-Rhine, Otto Nicodemus, Frankfort-on-the-Main-Hochst, and Max Treppenhauer, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 3, 1933, Serial No. 696,536. In Germany July 22, 1932
4 Claims. (Cl. 260—168)

1. The process for the production of acenaphthylene which comprises passing vapors of acenaphthene at between about 550° and about 850° C. over a solid dehydrogenation catalyst selected from the group consisting of carbon and silicon in the elemental state at a pressure up to atmospheric pressure.

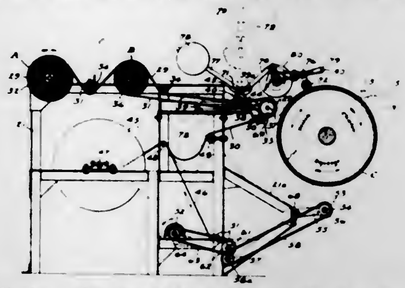
2,004,885
ROTAPLANE
Edward L. Yanchus, Masontown, Pa., assignor of one-half to Isidore Rothstein
Application March 6, 1933, Serial No. 659,862
10 Claims. (Cl. 244—14)



1. In an aircraft having a fuselage and propelling means, a lifting device including an element rotating on an axis transverse of said fuselage, said element consisting of a plane substantially diamond shaped in cross section, said axis passing thru said plane longitudinally thereof in the region of the thickest part of the plane.

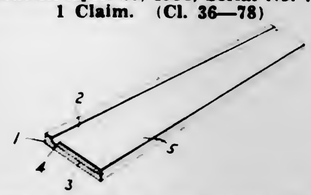
2,004,886
TIRE BUILDING MACHINE
Walter James Breth and Max Leo Engler, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application September 4, 1931, Serial No. 561,894. Divided and this application March 29, 1933, Serial No. 663,334
8 Claims. (Cl. 154—10)

1. In a tire building machine having a rotatable tire assembly drum, means for feeding squeegee stock to a partially built tire carried by said drum, said means comprising a rotatably mounted cylinder positioned adjacent and parallel to said drum, a supply roll of squeegee stock having a liner interposed between adjacent layers of the squeegee stock, said liner being arranged to pass over said cylinder, a pair of horizontally arranged fixed guide supports, guide elements supporting the ends of said cylinder, said guide elements being slidably supported on said supports, means for bodily moving said guide elements toward said drum relative to said guide supports to provide driving engagement between the partially built tire on said drum and the liner carried by said



cylinder, whereby said drum during its rotation causes the liner and squeegee stock to be unwound from the roll and the squeegee stock to be fed to the partially built tire, and means for creating pressure between said cylinder and the partially built tire on said drum.

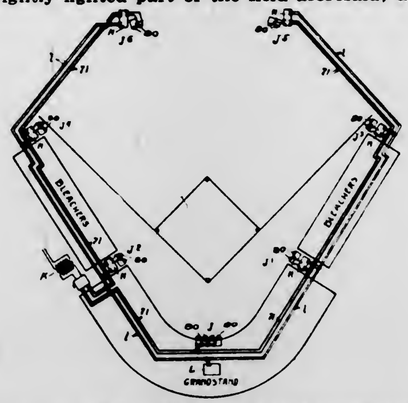
2,004,887
GOODYEAR WELTING
William Brown, Quakertown, Pa., assignor to McAdoo & Allen Welting Company, Quakertown, Pa., a partnership consisting of Henry M. McAdoo, William McAdoo, Jr., and George H. Allen
Application April 20, 1934, Serial No. 721,522
1 Claim. (Cl. 36—78)



Goodyear welting for light weight soles comprising a strip of leather generally rectangular in cross section and having on one face a stitch groove, said strip being thin yet stiff enough to go properly through machine guides, and said strip having a split ranging crosswise of the strip leaving an uncut portion sufficient to hold it together in its passage through the guides and providing at one of its edges a weakened line along which the split portion can be torn off after the upper has been sewed on.

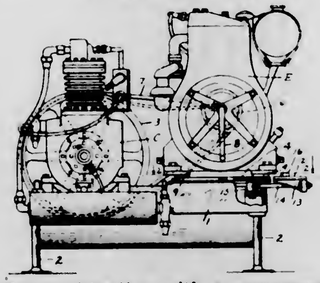
2,004,888
SPORTS ARENA AND THE ACCESSORIES THERETO
George F. Cahill, New York, N. Y.
Application September 6, 1934, Serial No. 742,908
31 Claims. (Cl. 240—3)

15. The method of manipulating the illumination of a field for the playing of games of ball at night, repeatedly during the progress of the game, which consists in (*a*) lighting brightly that part of the field on which action involving the ball is taking place or is about to take place, and lighting another part of the field less brightly when no action involving the ball is taking place upon said less brightly-lighted part of the field; (*b*) lighting more brightly said less brightly-lighted part of the field when the ball has moved thereto, or may be about to move thereto, from the brightly-lighted part of the field aforesaid; and



(*c*) lighting again less brightly said formerly less brightly-lighted part of the field when action involving the ball has ceased to take place thereon.

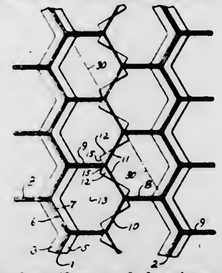
2,004,889
COMPRESSION UNIT
Philip A. Celander, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application April 25, 1934, Serial No. 722,294
1 Claim. (Cl. 230—56)



The combination with a compressor mounted upon a base of an internal combustion engine mounted to travel to and from the compressor upon the same base having a belt drive for the compressor, coil springs between the compressor and engine anchored at the ends adjacent the compressor to the base and pressing upon the engine to maintain the belt tight, an adjustable bracket mounted on the engine end of the base and extending therebeyond, and a handle terminating in a flat circular end eccentrically pivoted upon the bracket to cause the cam surface thereof to engage the engine and upon rotation of the handle to move the engine to compress the springs and loosen the belt to lessen the load in starting the engine.

2,004,890
RADIATOR CORE
Nicholas S. Diamant, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application March 19, 1932, Serial No. 599,891
6 Claims. (Cl. 257—130)

1. In a radiator core structure, a pair of plates having edge portions sealed together and spaced intermediate portions providing a liquid course, spaced fins extending outwardly from said liquid course, and an imperforated corrugated spacer plate having the adjoining portions of the sides of its ridges contacting continuously with the side edges of said fins throughout substantially

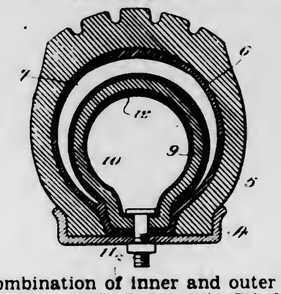


their entire lengths and having closed turbulence producing protuberances projecting from the sides of said ridges beyond the adjoining portions thereof and extending laterally of said sides of said ridges throughout the major portions of their widths.

2,004,891
ANÆSTHETIC COMPOSITION
Samuel D. Goldberg, Brooklyn, N. Y., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application December 8, 1931, Serial No. 579,828
7 Claims. (Cl. 167—52)

1. A buffered anæsthetic solution containing an alkaline buffer, procaine acetate and epinephrin, and having a pH value of about 5.7 to about neutral.

2,004,892
PNEUMATIC TIRE
William A. Grieshaber, Riverside, Calif.
Application September 11, 1934, Serial No. 743,596
1 Claim. (Cl. 152—22)

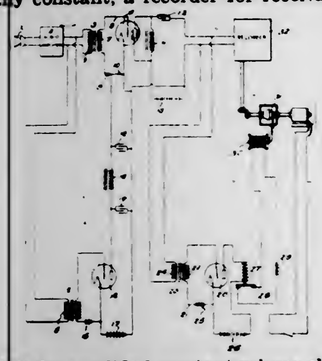


The combination of inner and outer inflatable tubes, the inner tube being interfitted with the outer tube at the inner periphery of the latter, a shoe between the tubes and extending entirely about said inner tube, and a casing separably fitted about the outer tube, the inner and outer tubes being formed with thickened portions at their outer peripheries.

2,004,893
CONTROLLING SYSTEM FOR SOUND RECORDING DEVICES
Ferguson Hall, Shenandoah, Iowa
Application July 20, 1933, Serial No. 681,388
14 Claims. (Cl. 179—100.4)

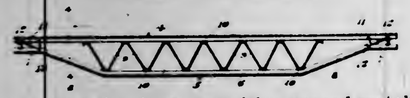
1. In a sound recording system, means for utilizing the sound waves of the sound to be recorded for producing electrical pulsations, means

for amplifying said electrical pulsations, means controlled by the sound waves for maintaining the volume level of the amplified pulsations substantially constant, a recorder for receiving and



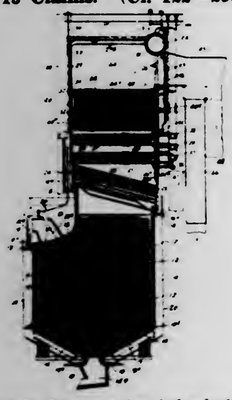
recording the amplified constant volume electrical pulsations, means for operating the recorder, and means responsive to the amplified constant volume electrical pulsations for governing said operating means.

2,004,894
STRUCTURAL BEAM
Grover A. Hughes, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application January 7, 1933, Serial No. 650,727
3 Claims. (Cl. 189—37)



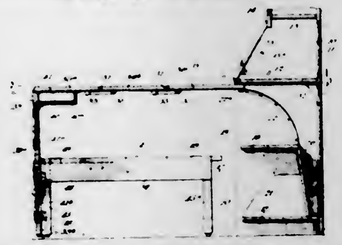
1. A joist structure comprising spaced metallic chord members and a metallic connector between the chord members having a higher melting point than the chord members, said connector being embedded in and welded to the chord members.

2,004,895
BOILER
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application August 19, 1932, Serial No. 629,471
13 Claims. (Cl. 122—299)



1. In a high drum water tube boiler, a furnace chamber, fuel burning means in said chamber, a vertical heating gas pass arranged above said furnace chamber, a bank of steam generating tubes positioned in said gas pass, a steam and water drum positioned at a level substantially above the uppermost portion of said tube bank, a row of circulators at each end of said tube bank connecting said steam and water drum and tube bank to form a natural circulation steam generating section, an economizer positioned in said gas pass in the space bounded by said tube bank and circulators and below said steam and water drum and comprising a plurality of superposed tube sections, each formed by return bend tubes arranged in parallel, means providing a serial flow through said economizer sections, and means for independently supporting said economizer sections from one of said rows of circulators.

2,004,896
FOLDING FURNITURE
George Albert Knott, Washington, D. C.
Application March 25, 1933, Serial No. 662,796
14 Claims. (Cl. 155—124)



5. An article of furniture including a stationary support and casing structure having an open front, a sectional table top collapsible into said structure, a front panel for said structure connected to said table top for supporting the same, and benches pivoted to said panel for movement to and from nested position when the top is in extended position.

2,004,897
SHOE
Joseph A. Lussier, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application January 5, 1935, Serial No. 543
3 Claims. (Cl. 36—54)

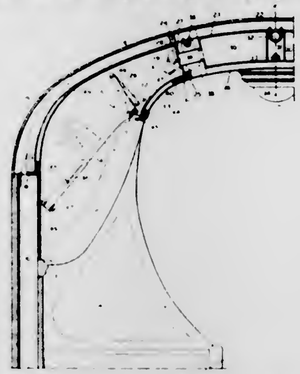


1. A shoe comprising a tongue member anchored at its lower end, and a binding embracing the margin of the tongue member in a free portion of the latter but lying wholly on one side of the tongue member in an anchored portion of the latter.

2,004,898
SLEEPING CAR CEILING
Lawrence E. Marchant, Hamilton, Ontario, Canada, assignor to National Steel Car Corporation, Limited, Hamilton, Ontario, Canada, a corporation of Canada
Application January 4, 1934, Serial No. 705,192
32 Claims. (Cl. 105—321)

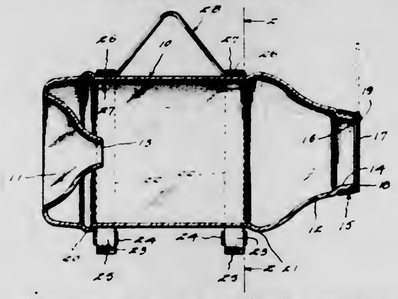
1. A sleeping car, a curved multiple part continuous ceiling beneath and spaced from the roof

to form a chamber therebetween, said ceiling including a fixed aisle portion, the underside of an upper berth bunk and a bridge portion be-



tween the upper edge of the bunk when in elevated position and the adjacent edge of the fixed aisle portion.

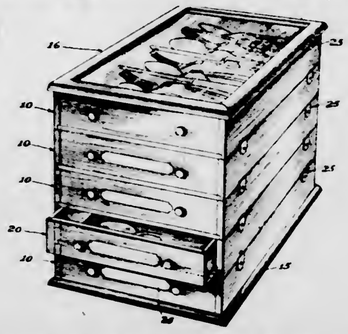
2,004,899
MINNOW TRAP
Melvin E. McSwain, Memphis, Tenn.
Application January 18, 1934, Serial No. 707,188
4 Claims. (Cl. 43—65)



1. A minnow trap as set forth comprising a substantially cylindrical body, a substantially truncated cone integral with one end of the body and disposed with the smaller end thereof inwardly of the body and provided with an entrance opening, a threaded reduced portion on the opposite end of the body, a cap engaging said threaded end, a pair of annular ribs integral with the body and disposed in spaced relation to each other, a pair of relatively narrow flat bands engaging about the body between said ribs, looped members for securing said bands about the body in spaced relation to each other, extensions carried by said bands and constituting base portions, a loop integral with each band and a bail engaging the loop of each band.

2,004,900
PATTERN SELECTION CABINET
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application October 14, 1932, Serial No. 637,751
1 Claim. (Cl. 312—107)

A pattern selection cabinet composed of a stack of open front sections each consisting of a floor, two side walls and a rear wall, the top edges of said three walls being all in one plane and the bottom of the section being wholly in a single parallel plane, whereby said sections are devoid of interfitting construction and in any order in which they may be piled the upper section will present a plane top face, a drawer fitting into each section the front of each drawer closing the open front of its section and the floor of the section above forming a cover for each drawer



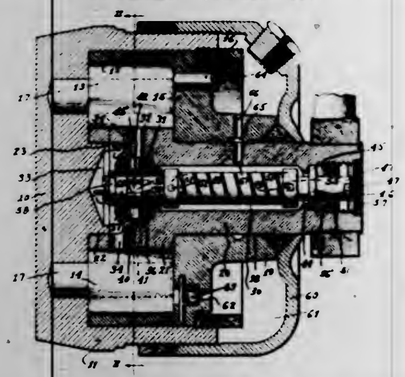
except for the drawer in the top section, a transparent cover for said top drawer consisting of a glass adapted to display the contents of the drawer and a frame holding said glass laid upon the edges of the top section, and means for holding said sections and top frame from relative movement when stacked, said sections all being of the same size whereby the top drawer may be replaced by any other drawer and vary the pattern displayed beneath the transparent cover.

2,004,901
ELECTRICAL CONDUCTOR
Dwight R. G. Palmer, South Orange, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application December 18, 1925, Serial No. 76,182
7 Claims. (Cl. 173—267)



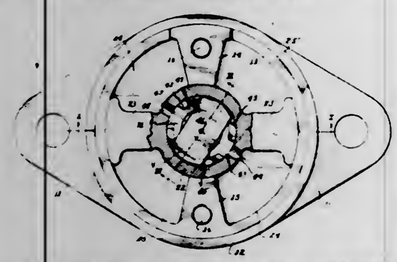
7. An electrical cable comprising, in combination, a flexible conductor, an insulating covering for said conductor, a bare neutral conductor adapted to be connected with the grounded side of a circuit wound helically around the insulated conductor, and a flexible, helically wound metallic armor of shorter lay than the bare neutral conductor surrounding the insulated and bare neutral conductors, the bare neutral conductor and the metallic armor being of the same electrical potential.

2,004,902
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo and Carl F. Lautz, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application February 28, 1934, Serial No. 713,247
12 Claims. (Cl. 188—89)



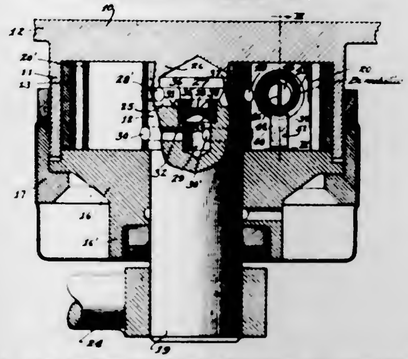
1. In combination, a hydraulic shock absorber having formed therein a passage through which hydraulic fluid is adapted to be forced, a longitudinally wound thermostat coil adapted to wind and unwind due to temperature changes, a valve seat, a rotary valve in said seat, one end of said thermostat coil being secured to said valve, and a support for the other end of said thermostat coil arranged to hold said end against rotational movement but allowing axial movement thereof whereby said coil may expand or contract axially without axially moving said valve while turning said valve by its winding or unwinding action.

2,004,903
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application March 19, 1934, Serial No. 716,251
13 Claims. (Cl. 188—89)



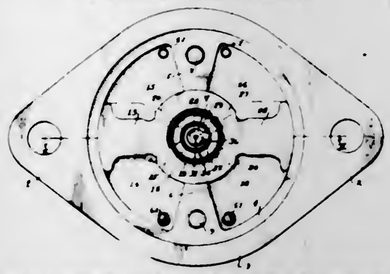
1. In a hydraulic shock absorber, a passageway for the flow of displaced hydraulic fluid, a valve chamber interposed in said passageway, a valve in the form of a plate in said valve chamber bodily movable therein, abutments for engagement by the outer portion of said valve for limiting the bodily movement thereof, means forming a seat for the inner portion of said valve and an orifice through said valve at said inner portion for inclusion in said passageway, said valve being inherently thermostatic whereby to distort under temperature change to thereby control the cooperation of the valve with said seat.

2,004,904
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo and John Sullivan, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application May 7, 1934, Serial No. 724,288
14 Claims. (Cl. 188—89)



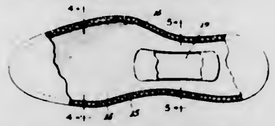
1. In a hydraulic shock absorber, the combination of a housing forming a chamber for hydraulic fluid, a piston structure operable within said chamber to displace the fluid therein, a passageway for the flow of hydraulic fluid from one side of the piston structure to the other, a thermostat element having a portion thereof formed to provide a valve extending transversely of said passageway, said valve portion having a restricted port arranged for variable exposure to said passage as said thermostat element responds to temperature changes.

2,004,905
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,402
10 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber, a housing for hydraulic fluid, a piston structure operable in said housing to displace the fluid, means defining a path for the flow of the displaced fluid, a wall defining a valve chamber, a seat member in said valve chamber having an opening therethrough included in said path, a flap valve whose inner end covers said opening and has an orifice in registration with said opening, said wall having a recess in which the outer end of said valve engages to be held thereby against lateral displacement, and means for holding said valve against said seat for movement of the inner end of said valve to permit flow in one direction through said opening and closure of said opening by said valve to confine the flow to said orifice.

2,004,906
PNEUMATIC SHOE
Louis W. Simister, New York, N. Y., assignor of one-half to Joseph Farese, New York, N. Y.
Application March 5, 1934, Serial No. 713,989
3 Claims. (Cl. 36—29)



1. A shoe sole having an inflatable chamber substantially co-extensive with the area of the surface of the sole, and a secondary inflatable chamber securely positioned therein in the plane of the first named member.

2,004,907
COMPOSITE STRUCTURE
Arthur C. Wallen, Bronxville, N. Y., and Thomas J. Crawford, Youngstown, Ohio; said Wallen assignor to said Crawford
Application May 30, 1930, Serial No. 457,598
2 Claims. (Cl. 189—37)



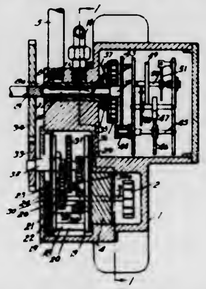
1. A composite structure comprising three longitudinal members arranged at the apices of a triangle, each member comprising a plurality of structural metal sections of graded thicknesses, joined together in end to end relation by butt welding the ends of each section to adjacent ends of the next sections according to the graded relationship, each of said sections comprising a channel beam having its web bent along a longitudinal line to present two portions at an obtuse angle to each other, while the channel flanges remain each at a right angle to the adjacent web portion, and diagonally positioned rods welded to said web portions and joining said three longitudinal members to form a triangular column of varying strength.

2,004,908
FOLDING CARTON
Earl B. Whitehead, Norwich, Conn., assignor to Atlantic Carton Corporation, Norwich, Conn., a corporation of Connecticut
Application July 31, 1933, Serial No. 683,041
2 Claims. (Cl. 206—45)



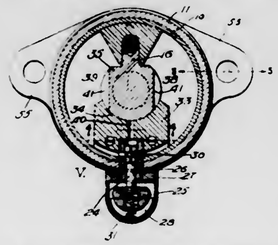
1. A foldable shipping and display box of the class described comprising in combination, vertically-extending front and rear walls of equal width hingedly connected by side walls of equal width, a bottom closure flap member substantially equal in width to said front and rear walls having a main body portion for extending in a substantially horizontal position between the lower marginal edges of said walls and a tab portion for lying adjacent the inside of said front wall, said body portion being provided with an opening therein, and a foldable tier-forming member hingedly connected to the lower marginal edge of said front wall and scored along certain lines parallel with said lower marginal edge of the front wall to include successively a connecting section adjacent said front wall for lying adjacent the outside of said bottom flap member, a spacer section for extending upwardly within said opening at substantially right angles to said bottom flap member, a supporting section for extending in substantial parallelism with and above said bottom flap and another spacer section for extending in parallelism with said first spacer section.

2,004,909
CLOCK
Arthur F. Benson, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware
Application April 16, 1932, Serial No. 605,589
6 Claims. (Cl. 58—46)



1. In a clock, the combination of a time controlling escapement; means driving the escapement comprising a fluid-actuated motor; and devices controlled by the action of the escapement relatively to the motor controlling the rate of flow of fluid to the motor to maintain the speed of the motor in conformity with the speed of the escapement.

2,004,910
INERTIA CONTROLLED HYDRAULIC SHOCK ABSORBER
Michael Fieldman, Philadelphia, Pa., assignor, by direct and mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 27, 1933, Serial No. 653,912
35 Claims. (Cl. 188—89)



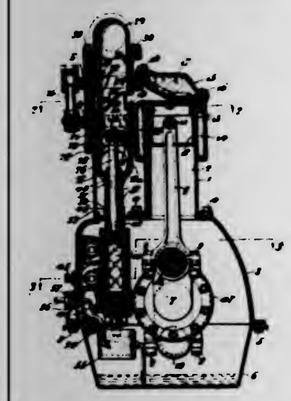
1. In a hydraulic shock absorber, a working chamber, a piston and a partitioning element dividing said chamber into compartments, passage means connecting the compartments, inertia-controlled valve means controlling said passage means, and means to apply generated pressure to close the valve means.

2,004,911
HYDRAULIC SHOCK ABSORBER
Michael Fieldman, Chicago, Ill., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application June 25, 1934, Serial No. 732,231
10 Claims. (Cl. 188—89)



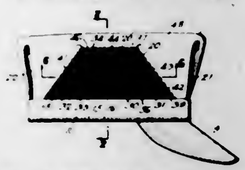
1. A hydraulic shock absorber comprising a housing for hydraulic fluid, a partition member in said housing, a piston structure oscillatable in said housing, said piston structure and partition member dividing said housing into working chambers, said partition member having a passage therethrough for flow of fluid between said working chambers, a valve chamber included in said passage, a valve movable in said valve chamber normally positioned to open said passage, ports leading from said valve chamber at opposite sides of said valve, and means adapting said piston structure to operate as a valve for connecting said valve chamber ports with the working chambers for flow of fluid under pressure to said valve chamber for shifting said valve for closure of said passageway after a predetermined distance of movement of said piston structure.

2,004,912
REVOLUBLE VALVE FOR INTERNAL COMBUSTION ENGINES
Howard C. Heinel, Philadelphia, Pa., assignor to Amy B. Heinel, Philadelphia, Pa.
Application November 30, 1932, Serial No. 645,055
2 Claims. (Cl. 123—190)



1. The combination with an internal combustion engine having a plurality of cylinders and pistons operable therein, of a cylindrical valve chamber including a plurality of combustion chambers connecting the cylinders and the valve chamber, said valve chamber having upper and lower spaced stationary thrust bearing oil rings, a cylindrical hollow revoluble valve interposed endwise between the thrust bearing oil rings, the exterior surface of the valve having diagonal grooves for the collection of oil received from a source supplying it to said valve chamber, said valve having upper and lower exhaust and intake chambers and provided with intake and exhaust ports alternately communicating the intake and exhaust chambers of the valve with said combustion chambers, exhaust and intake passages above and below the valve and communicating with the upper and lower exhaust and intake chambers of the valve, said stationary thrust bearing oil rings being serviceable to prevent seepage of oil into the exhaust and intake passages and the chambers, and means to rotate the valve.

2,004,913
VENTILATED ENGINEER'S CAP
Robert Klein, Brooklyn, N. Y., assignor to Bell Cap Company, New York, N. Y., a co-partnership composed of Abraham Herskowitz, Samuel Bell, Morris Goldberg, and Robert Klein
Application December 11, 1934, Serial No. 756,923
8 Claims. (Cl. 2—195)



1. In a cap, a sweatband comprising a pair of separate similar sections, a pleated crown of closely woven fabric, said crown having an opening therein, and a pleated section of loosely woven fabric providing interstices therein arranged in the opening and secured along one edge thereof to and between the sweatband sections and along the other edge thereof to the edge of the opening in the crown.

2,004,914
AMINO DERIVATIVE OF HYDROXY DIPHENYLS
William D. Wolfe, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1930, Serial No. 503,233
9 Claims. (Cl. 260—128)

1. The addition product of a mono hydroxy diphenyl and an amine of the group consisting of primary aliphatic mono- and diamines, primary aromatic mono amines of the benzene and naphthalene series, benzyl amine, cyclohexyl amine and hexamethylene tetra amine.

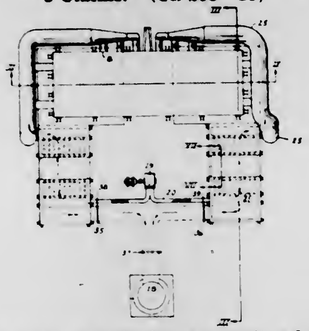
2,004,915
TOY TRANSPORTATION SYSTEM
John J. Clark, Clinton, Iowa
Application February 25, 1935, Serial No. 8,031
6 Claims. (Cl. 46—48)

1. A toy transportation system comprising a base, a rocking support therefor, a representation of a mountain on said base, a length of track on said base extending to said mountain, up the side thereof and down and around the same in loops, and a vehicle on said track, whereby said base may be rocked to cause any portion of said track occupied by said vehicle to be inclined downwardly temporarily and thus propel said vehicle continuously along successive portions of said track and cause it to appear to travel up said



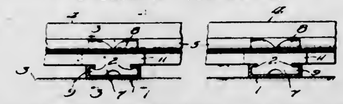
mountain, down which it may travel without further manipulation of said base.

2,004,916
RECUPERATOR FOR OPEN HEARTH FURNACES
William H. Fitch, Plainfield, N. J.
Application July 28, 1933, Serial No. 682,654
3 Claims. (Cl. 263—15)



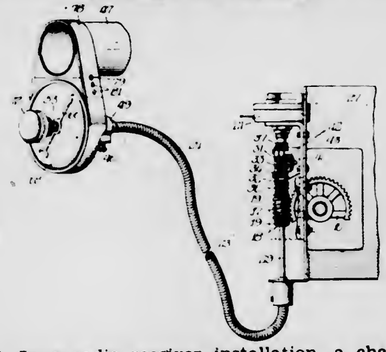
1. An open hearth furnace unit adapted to continuous operation at very high temperatures for extended periods, said furnace unit comprising a combustion chamber disposed over an elongated hearth, burner inlets distributed along the back and end walls of said combustion chamber, a recuperator chamber disposed near each end of the combustion chamber and in front of the same, a slag chamber at each end of the combustion chamber, a plurality of burned gas outlets from each end of the combustion chamber and below the same, said outlets discharging downwardly into their corresponding slag chambers, an outlet from the upper end of each slag chamber to the adjacent recuperator chamber, horizontally disposed tubes of highly conducting refractory supported terminally by walls in each recuperator chamber and heated exteriorly by the flow of burned gases in a vertically upward or downward direction, and means for compelling a flow of air through the interior of said recuperator tubes and thence to the burner inlets.

2,004,917
MEANS FOR ATTACHING FLOOR BOARDS
Oscar L. Johnson, Chicago, Ill., assignor, by mesne assignments, of one-half to Lug-Lox Flooring Company, Chicago, Ill., a corporation of Illinois, and one-half to Leon F. Urbain, Chicago, Ill.
Application May 4, 1932, Serial No. 609,059
8 Claims. (Cl. 20—8)



1. In a floor, a foundation, boards laid edge to edge on said foundation and joined by tongues and grooves, clips rising from the foundation and interlocked therewith for sliding movements at right angles to said tongues and grooves and against vertical movements, each clip having a hook part at the upper end embracing the edge of and biting into the top of one of said tongues and nested in the groove in which that tongue is engaged, and the effective length of each clip from the upper face of said foundation to the clip of the hook being such that, when the hook is forced upon the edge of a tongue, the tip of the hook is compelled to sink into the tongue after the board has been firmly seated on the foundation.

2,004,918
CONTROL DEVICE
Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 10, 1932, Serial No. 642,061
13 Claims. (Cl. 250—20)

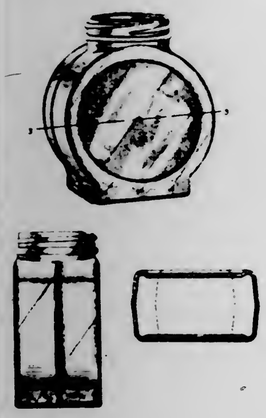


1. In a radio receiver installation, a chassis, a frequency selector secured on the chassis having a rotatable shaft, a power control device having a rotatable shaft, a flexible shaft having one end disposed adjacent said two shafts, a pair of clutch members operably associated with one end of said flexible shaft, a pair of clutch members operably connected to the frequency selector shaft and power control shaft respectively, and means for moving the flexible shaft longitudinally to connect the same operably either to the condenser shaft or power control shaft whereby said connections are effected with only a relatively short longitudinal movement of said shaft, said flexible shaft being rotatable to rotate either of said shafts.

DESIGNS

JUNE 11, 1935

95,888
DESIGN FOR A JAR
Willis Burton Adams, Oak Park, Ill., assignor to Adams Bros. & Co., Chicago, Ill., a firm composed of Lysle E. Adams and Willis B. Adams
Application November 27, 1934, Serial No. 54,183
Term of patent 14 years



The ornamental design for a jar as shown.

95,889
DESIGN FOR A VANITY CONTAINER
George H. Beck, Chicago, Ill., assignor to Marion Lambert, Inc., St. Louis, Mo., a corporation of Missouri
Application April 1, 1935, Serial No. 56,142
Term of patent 3½ years



The ornamental design for a vanity container, substantially as shown.

95,890
DESIGN FOR A SHOE
Benjamin Benjamin, Freeport, N. Y.
Application April 29, 1935, Serial No. 56,624
Term of patent 3½ years

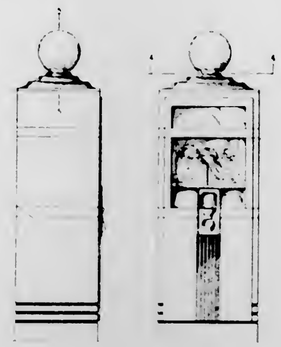


The ornamental design for a shoe, as shown and described.

95,891
DESIGN FOR A VENDING MACHINE CABINET
Rowland Bentley, Mount Airy, and Benedict Bentley, Gladwyn, Pa.
Application March 25, 1935, Serial No. 56,043
Term of patent 14 years



95,891—Continued



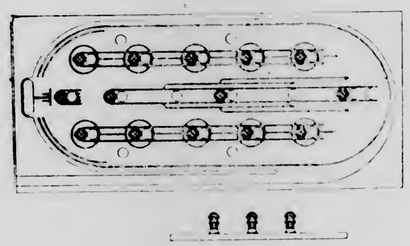
The ornamental design for a vending machine cabinet, substantially as shown.

95,892
DESIGN FOR A LADY'S SWEATER
Hans Boepple, New York, N. Y.
Application April 19, 1935, Serial No. 56,463
Term of patent 3½ years



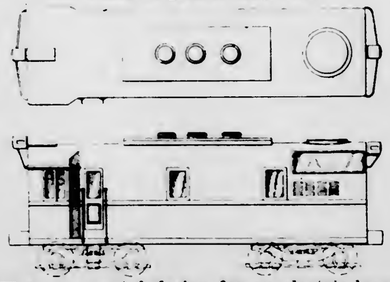
The ornamental design for a lady's sweater, substantially as shown.

95,893
DESIGN FOR A GAME BOARD FOR PIN BALL GAMES
Herbert G. Breitenstein, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application March 20, 1935, Serial No. 55,971
Term of patent 3½ years



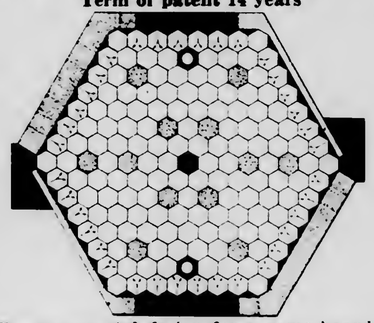
The ornamental design for a game board for pin ball games, as shown.

95,894
DESIGN FOR AN ELECTRIC LOCOMOTIVE
Conrad C. C. Burkhardt, Philadelphia, Pa.
Application June 2, 1934, Serial No. 52,020
Term of patent 14 years



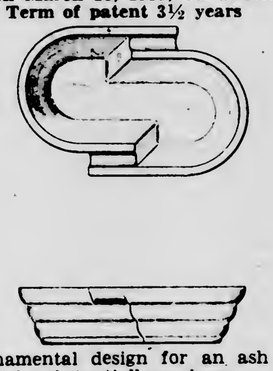
The ornamental design for an electric locomotive, substantially as shown and described.

95,895
DESIGN FOR A GAME BOARD
Ralph J. Byrnes, Chicago, Ill.
Application March 11, 1935, Serial No. 55,807
Term of patent 14 years



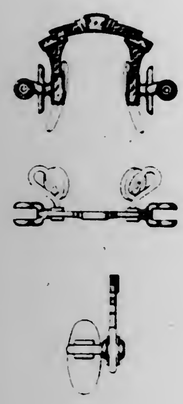
The ornamental design for a game board substantially as shown and described.

95,896
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Jeddiah B. Clark, Dunkirk, Ind., assignor to Indiana Glass Company, Dunkirk, Ind., a corporation of Indiana
Application March 18, 1935, Serial No. 55,924
Term of patent 3½ years



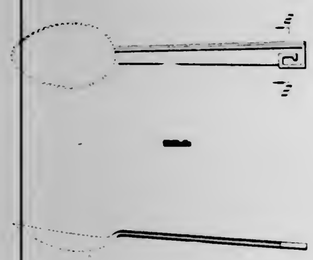
The ornamental design for an ash tray or similar article substantially as shown.

95,897
DESIGN FOR A SPECTACLE BRIDGE
Herbert Clements, Geneva, N. Y.
Application April 22, 1935, Serial No. 56,516
Term of patent 7 years



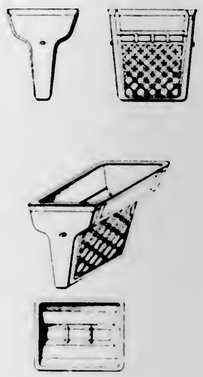
The ornamental design for a spectacle bridge substantially as shown.

95,898
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Virginia M. Conner, New York, N. Y.
Application March 20, 1935, Serial No. 55,964
Term of patent 3½ years



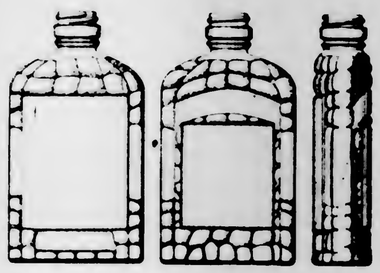
The ornamental design for a spoon or other article of flatware substantially as shown and described.

95,899
DESIGN FOR AN EDIBLE CUP
Hyman Dicker, Jersey City, N. J.
Application December 27, 1934, Serial No. 54,609
Term of patent 7 years



The ornamental design for an edible cup, as shown.

95,900
DESIGN FOR A BOTTLE
John L. Dunnock, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md.
Application April 17, 1935, Serial No. 56,444
Term of patent 7 years



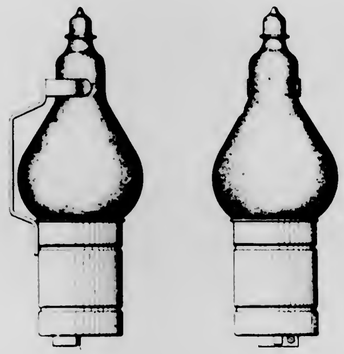
The ornamental design for a bottle, substantially as shown.

95,901
DESIGN FOR A SHOE
Ferdinand W. Ellington, Jamaica, N. Y., assignor to Delman, Inc., a corporation of New York
Application February 25, 1935, Serial No. 55,602
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

95,902
DESIGN FOR A FIRE EXTINGUISHER
Powell Evans, Haverford, Pa.
Application April 12, 1935, Serial No. 56,351
Term of patent 14 years



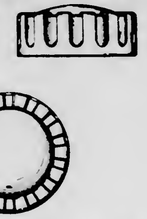
The ornamental design for a fire extinguisher, substantially as shown.

95,903
DESIGN FOR A WHISKY GLASS
Frank L. Fenton, Williamstown, W. Va.
Application August 24, 1934, Serial No. 53,035
Term of patent 3½ years



The ornamental design for a whisky glass, as shown.

95,904
DESIGN FOR A BOTTLE CAP
Edwin W. Fuerst, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio
Application December 7, 1934, Serial No. 54,335
Term of patent 14 years



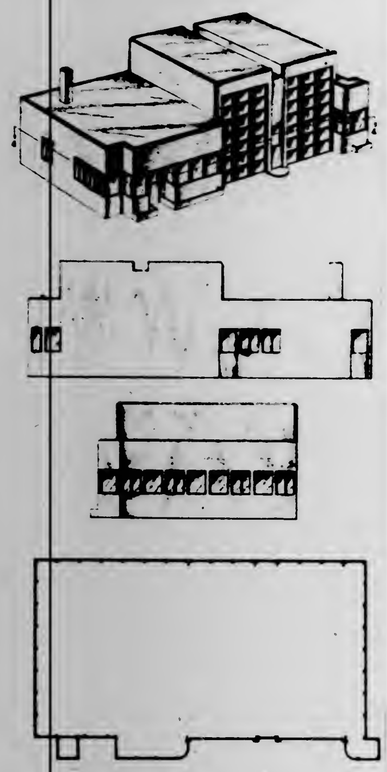
The ornamental design for a bottle cap substantially as shown.

95,905
DESIGN FOR A HAT
Oscar Friedman, New York, N. Y.
Application May 2, 1935, Serial No. 56,657
Term of patent 3½ years



The ornamental design for a hat, substantially as shown and described.

95,906
DESIGN FOR A BUILDING
Norman Bel Geddes and Carl Landefeld, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1935, Serial No. 56,197
Term of patent 14 years



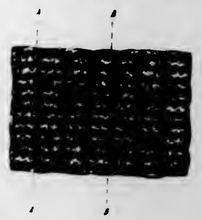
The ornamental design for a building as shown.

95,907
DESIGN FOR A TEXTILE FABRIC
David F. Greenawalt, Huntingdon Valley, Pa.
Application April 16, 1935, Serial No. 56,412
Term of patent 3½ years



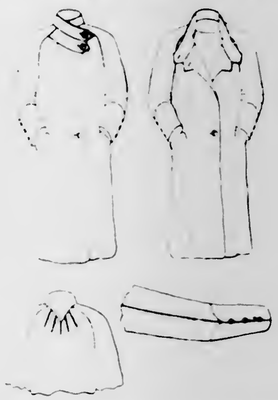
The ornamental design for a textile fabric as shown and described.

95,908
DESIGN FOR A TEXTILE FABRIC
David F. Greenawalt, Huntingdon Valley, Pa.
Application April 16, 1935, Serial No. 56,413
Term of patent 3½ years



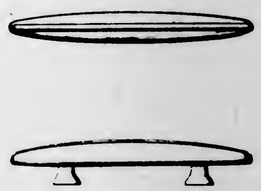
The ornamental design for a textile fabric as shown and described.

95,909
DESIGN FOR A COAT
Morris Hiller, Long Beach, N. Y.
Application April 24, 1935, Serial No. 56,528
Term of patent 7 years



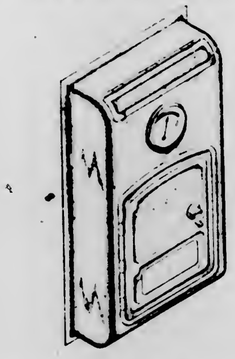
The ornamental design for a coat substantially as shown and described.

95,910
DESIGN FOR A HANDLE OR SIMILAR ARTICLE
Isaac S. Keeler, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application December 7, 1934. Serial No. 54,328
Term of patent 3½ years



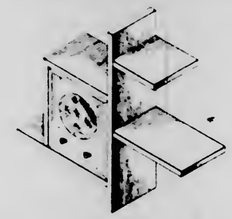
The ornamental design for a handle or similar article, as shown and described.

95,911
DESIGN FOR A HOUSE LETTER BOX
Julius Kim, Cheswick, Pa.
Application March 15, 1935, Serial No. 55,883
Term of patent 3½ years



The ornamental design for a house letter box. as shown.

95,912
DESIGN FOR A COMBINED WALL SHELF AND RADIOCABINET
Delwin W. Kussman, Racine, Wis.
Application April 10, 1935, Serial No. 56,295
Term of patent 7 years



The ornamental design for a combined wall shelf and radio cabinet, as shown.

95,913
DESIGN FOR A GLOVE
George U. Larom, Brightwaters, and Alfred L. Russo, Astoria, N. Y.
Application March 6, 1935, Serial No. 55,758
Term of patent 7 years



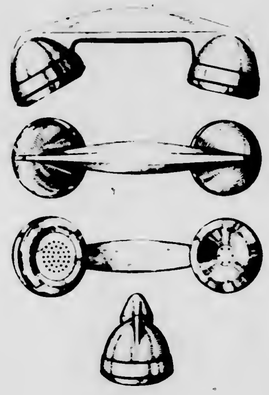
The ornamental design for a glove, as shown and described.

95,914
DESIGN FOR A FINGER RING
Jack M. H. Le Bolt, Chicago, Ill., assignor to Lebolt and Company, Chicago, Ill., a corporation of Delaware
Application March 11, 1935, Serial No. 55,838
Term of patent 7 years



The ornamental design for a finger ring, as shown.

95,915
DESIGN FOR A HAND TELEPHONE
George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 56,548
Term of patent 14 years



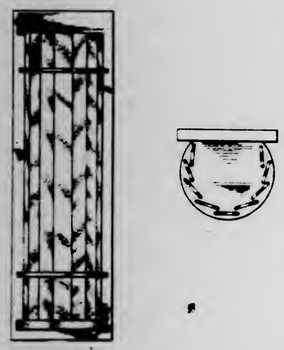
The ornamental design for a hand telephone, as shown.

95,916
DESIGN FOR A TIRE
Charles Edgar Maynard, Northampton, Mass., assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass., a corporation of Delaware
Application April 4, 1935, Serial No. 56,214
Term of patent 14 years



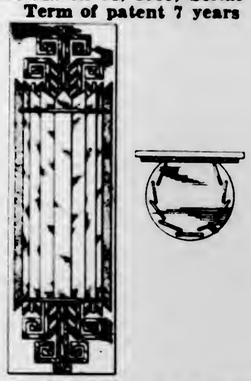
The ornamental design for a tire as shown.

95,917
DESIGN FOR A LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application March 13, 1935, Serial No. 55,875
Term of patent 7 years



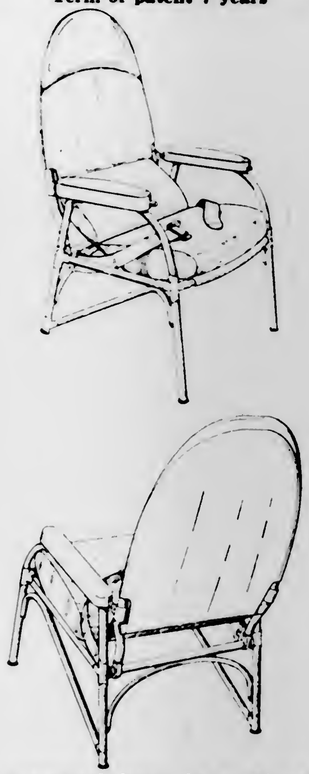
The ornamental design for a lighting fixture substantially as shown.

95,918
DESIGN FOR A LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application March 18, 1935, Serial No. 55,927
Term of patent 7 years



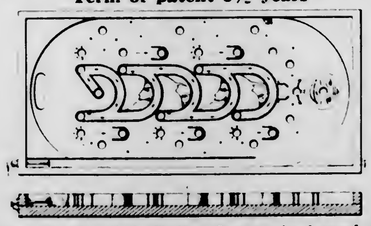
The ornamental design for a lighting fixture substantially as shown.

95,919
DESIGN FOR AN AIRCRAFT CHAIR
Lewis C. McCarty, Jr., Towson, and Drew M. Helwig, Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application August 18, 1934, Serial No. 52,988
Term of patent 7 years



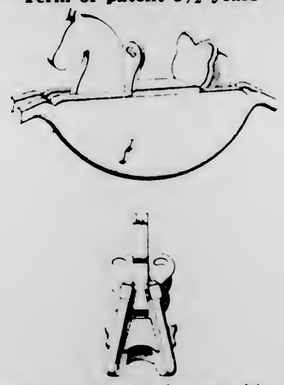
The ornamental design for an aircraft chair substantially as shown and described.

95,920
DESIGN FOR A PIN BOARD GAME DEVICE
Albert Stith Moorman, New York, N. Y.
Application January 25, 1935, Serial No. 55,062
Term of patent 3½ years



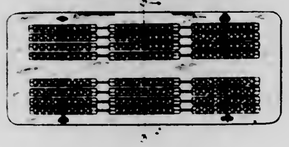
The ornamental design for a pin board game device, as shown.

95,921
DESIGN FOR A ROCKING HORSE
Ilonka Karasz Nyland, Brewster, N. Y., assignor to Larkin Company, Inc., Buffalo, N. Y.
Application March 16, 1935, Serial No. 55,902
Term of patent 3½ years



The ornamental design for a rocking horse as shown.

95,922
DESIGN FOR A CARD GAME SCORING BOARD
William Andrew O'Brien, San Pedro, Calif.
Application April 3, 1934, Serial No. 51,305
Term of patent 14 years



The ornamental design for a card game scoring board substantially as shown.

95,923
DESIGN FOR A TABLE TOP
William Andrew O'Brien, San Pedro, Calif.
Application April 3, 1934, Serial No. 51,306
Term of patent 14 years



The ornamental design for a table top substantially as shown.

95,924
DESIGN FOR A LIP STICK HOLDER
Arnold L. Ogden, New York, N. Y., assignor to Mary Dunhill, Inc., New York, N. Y., a corporation of New York
Application January 15, 1935, Serial No. 54,865
Term of patent 7 years



The ornamental design for a lipstick holder, as shown.

95,925
DESIGN FOR A COCKTAIL SHAKER OR SIMILAR ARTICLE
Howard F. Reichenbach, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application April 10, 1935, Serial No. 56,296
Term of patent 7 years



The ornamental design for a cocktail shaker or similar article substantially as shown.

95,926
DESIGN FOR A HANDLE OR SIMILAR ARTICLE
Kurt Bettich, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application December 7, 1934, Serial No. 54,327
Term of patent 3½ years



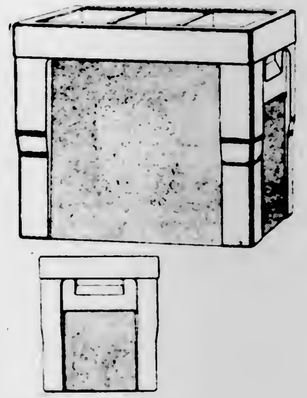
The ornamental design for a handle or similar article as shown and described.

95,927
DESIGN FOR A SWEATER
Daniel Rheinauer, New York, N. Y.
Application December 10, 1934, Serial No. 54,384
Term of patent 14 years



The ornamental design for a sweater, as shown and described.

95,928
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 56,098
Term of patent 7 years



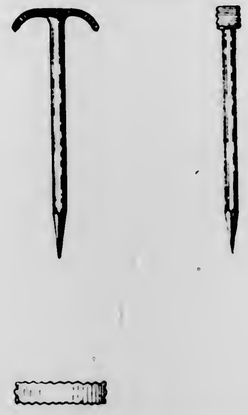
The ornamental design for a storage battery case, as shown and described.

95,929
DESIGN FOR A PALL-BEARER'S BADGE
Carl D. Roberts, Kirbyville, Tex.
Application April 2, 1935, Serial No. 56,185
Term of patent 7 years



The ornamental design for a pall-bearer's badge, as shown.

95,930
DESIGN FOR A NAIL
Manuel G. Rodriguez, Haiku, Territory of Hawaii
Application February 25, 1935, Serial No. 55,619
Term of patent 3½ years



The ornamental design for a nail, substantially as shown.

95,931
DESIGN FOR A WAFFLE IRON
John A. Salvia, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application February 19, 1935, Serial No. 55,495
Term of patent 7 years



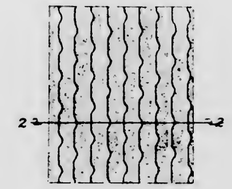
The ornamental design for a waffle iron, as shown and described.

95,932
DESIGN FOR AN EMBLEM OR SIMILAR ARTICLE
Max E. Schwalbe, New York, N. Y.
Application October 12, 1934, Serial No. 53,600
Term of patent 3½ years



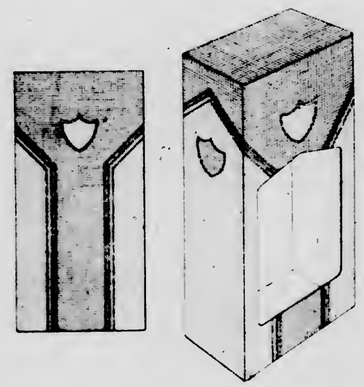
The ornamental design for an emblem or similar article, as shown and described.

95,933
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Albert Schumacher, Passaic, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application February 7, 1935, Serial No. 55,294
Term of patent 14 years



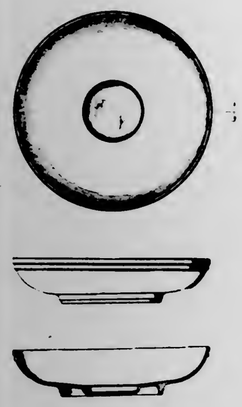
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

95,934
DESIGN FOR A CARTON
Margery M. Smith, Brooklyn, N. Y., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application April 25, 1935, Serial No. 56,543
Term of patent 14 years



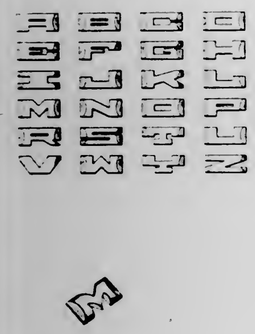
The ornamental design for a carton, as shown.

95,935
DESIGN FOR A DISH
Eugene L. Snyder, Canton, Ohio
Application March 25, 1935, Serial No. 56,034
Term of patent 14 years



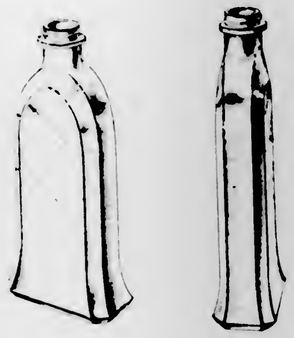
The ornamental design for a dish, substantially as shown.

95,936
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Leo K. Stupell, New York, N. Y.
Application April 1, 1935, Serial No. 56,162
Term of patent 14 years



The ornamental design for an alphabet for forming monograms or the like, substantially as shown and described.

95,937
DESIGN FOR A BOTTLE
Lewis M. Sutton, Jr., Minneapolis, Minn., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application February 18, 1935, Serial No. 55,486
Term of patent 14 years



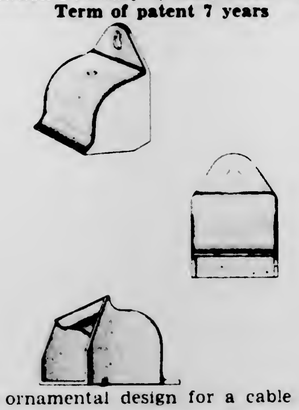
The ornamental design for a bottle, as shown.

95,938
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Milford Guy Sypher, Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y., a corporation of New York
Application April 13, 1935, Serial No. 56,357
Term of patent 14 years



The ornamental design for a fountain pen clip or similar article, substantially as shown.

95,939
DESIGN FOR A CABLE CLAMP
Cyril H. Thomas, Chicago, Ill.
Application February 1, 1935, Serial No. 55,202
Term of patent 7 years



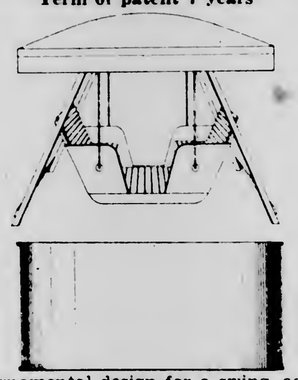
The ornamental design for a cable clamp as shown.

95,940
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 2, 1935, Serial No. 56,658
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

95,941
DESIGN FOR A SWING
Earl L. Weaver, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind.
Application January 26, 1935, Serial No. 55,073
Term of patent 7 years



The ornamental design for a swing, as shown.

95,942
DESIGN FOR A DRESS
Cecile Weinberg, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y.
Application February 16, 1935, Serial No. 55,468
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

95,943
DESIGN FOR AN ELECTRIC LANTERN
Lee M. Wiley, Marion, Ind., assignor to Delta Electric Company, a corporation of Indiana
Application March 13, 1935, Serial No. 55,868
Term of patent 7 years



The ornamental design for an electric lantern as shown and described.

Patents Nos. 2,004,919 to 2,005,717

THE OFFICIAL GAZETTE OF THE United States Patent Office

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Labels	35—Nos.	45,827 to Nos.	45,861, inclusive.
Prints	8—Nos.	15,220 to Nos.	15,227, inclusive.
Reissues	10—Nos.	19,699 to Nos.	19,618, inclusive.
Patents	799—Nos.	2,004,919 to Nos.	2,005,717, inclusive.
Designs	56—Nos.	95,944 to Nos.	95,999, inclusive.
Total	1,096		

Interference Notice

U. S. Patent Office, *Washington, May 22, 1935.*

Mervin A. Hunt, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Joseph William Simoneau, Nashua, New Hampshire, for registration of a trade-mark, and trade-mark registered October 29, 1929, No. 263,099, to Allison Drug Stores, Incorporated, 109 West 64th Street, New York, N. Y. The records of this Office show that Mervin A. Hunt, New York, N. Y., is the assignee of said registrant. A notice of such proceeding sent by registered mail to said Mervin A. Hunt at the said address, having been returned by the Post Office as undeliverable, notice is hereby given that unless said Mervin A. Hunt, his assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Ill.) Troyer patent, No. 1,772,820, for can-body-making machine, claims 2, 8, 9, 12, 15, 16 and 17 *Held* invalid. *Continental Can Co. v. Cameron Can Machinery Co.*, 76 F.(2d) 173.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,911,228, Emil Gathmann, Method of producing ingots, decided May 16, 1935, claims 1 and 4.

Pat. 1,978,364, J. R. Hotchkin, Spring nut, decided May 21, 1935, claims 1, 2, 3, 4, 5, 6 and 7.

Pat. 1,983,182, R. J. Needham and H. C. Woodbridge, Boller construction, decided May 23, 1935, claims 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10.

Drawings

Rule 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

Rule 52—Extract

(f) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appear in more than one view of the drawing is must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Erratum

Reissue Pat. 16,870 in the Official Gazette of May 14, 1935, should read, Reissue Pat. 18,492, E. H. Friedrich, Metal flashing, decided March 11, 1935, claim 9.

Condition of Applications Under Examination at Close of Business June 1, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 33,670; Trade-Mark Division, 1,271. Oldest new case, February 1, 1935; oldest amended, February 1, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 18	Apr. 8	334
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Mar. 22	Mar. 25	454
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 2	Mar. 2	615
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 23	Mar. 6	421
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 6	Mar. 8	468
4898 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 11	Feb. 20	933
5725	7. JARBOE, C. G., Optics; Photography	Mar. 8	Mar. 8	751
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 4	Mar. 1	494
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 1	Apr. 2	312
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Apr. 1	Apr. 1	325
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 7	Feb. 6	588
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 25	Feb. 25	449
5096	13. DORLIE, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 2	Apr. 1	295
5097	14. DRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 5	Feb. 19	455
4807	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 22	Mar. 22	715
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 20	Feb. 20	605
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing, Type Casting, Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting	Mar. 7 Mar. 9	Mar. 6 Mar. 4	652 364
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 9	Mar. 4	523
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 7	Mar. 23	248
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes, Undertaking	Mar. 6	Mar. 9	567
7733	21. THOMPSON, T. J., Textiles: Cloth Finishing	Feb. 28	Feb. 28	624
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Feb. 1	Feb. 1	539
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Mar. 7	Feb. 15	604
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Mar. 4	Mar. 4	566
5700	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing, Vegetable and Meat Cutters and Comminutors.	Apr. 2	Apr. 4	299
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 2	Mar. 2	446
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Mar. 4	Mar. 8	351
4628	28. BENSON, A. R., Internal-Combustion Engines	Mar. 1	Mar. 5	487
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 8	Feb. 8	509
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 1	Mar. 1	812
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 27	Mar. 28	291
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 25	Feb. 25	575
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 8	Feb. 9	620
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 2	Mar. 2	665
3900	35. REYNOLDS, E. C., Card and Sign Exhibiting, Signals; Dispensing; Filling and Closing Portable Receptacles.	Mar. 7	Mar. 7	381
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Feb. 4	Feb. 8	555
5896 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Mar. 2	Mar. 3	417
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Plastic Compositions.	Apr. 8	Apr. 10	272
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 23	Feb. 23	870
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 4	Mar. 6	749
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels, Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines	Mar. 22	Mar. 21	709
5882	42. CUTTINO, H. O., Electric Signaling	Feb. 28	Feb. 28	584
4896 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 2	Feb. 2	750
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Apr. 1	Mar. 29	292
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors, Valve-Operating Mechanism; Engine Cooling.	Feb. 28	Feb. 28	584
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Mar. 21	Mar. 19	526
7600	47. BARKER, H., Clutches; Brakes	Mar. 4	Mar. 5	493
5731	48. Rapke, O. B., Electricity, General Applications; Igniters	Apr. 1	Apr. 1	473
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 23	Feb. 23	815
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products, Cellulose; Rubber.	Mar. 12	Mar. 12	615
5628	51. BACKUS, C. D., Radiant Energy	Mar. 9	Mar. 13	583
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 26	Mar. 28	480
6807	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 14	Mar. 12	554
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Apr. 3	Apr. 5	386
6887	55. BOWENS, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 6	Mar. 5	687
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Apr. 4	Apr. 1	220
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings, Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Apr. 15	Apr. 19	288
5905	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 6	Mar. 11	464
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Mar. 9	Mar. 13	370
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 11	Feb. 9	350
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Mar. 5	Mar. 22	527
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 7	Feb. 7	593
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Mar. 2	Mar. 4	791
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 21	Mar. 21	351
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 2	May 16	1,214
2000 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	May 20	May 23	57
	{Labels and Prints	May 1	May 16	616
2005	Designs, H. H. KALUPY (Act.)			

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE STELOS COMPANY, INC., v. HOSIERY MOTOR-MEND CORPORATION ET AL. HOSIERY MOTOR-MEND CORPORATION ET AL. v. THE STELOS COMPANY, INC.

Nos. 588 and 653. Decided April 29, 1935

PATENTABILITY—METHOD OF REPAIRING RUNS IN A KNITTED FABRIC.

A claim for a method of repairing runs in a knitted fabric *Held* invalid for want of proper disclosure and as lacking invention.

Judgment affirmed.

Mr. Henry Gilligan and *Mr. Vernon E. Hodges* (*Mr. J. Preston Sweecker* with them on the brief) for The Stelos Company, Inc. *Mr. Hugh M. Morris* and *Mr. Noah A. Stancliffe* (*Mr. Julian S. Wooster* and *Mr. Donald Malcolm* with them on the brief) for Hosiery Motor-Mend Corporation et al.

Mr. Justice ROBERTS delivered the opinion of the Court.

This cause presents issues as to validity and infringement of claim 23 of the Stephens reissue patent, No. 16,360, for "an improvement in needles and its [sic] method of use." The Stelos Company, owner of the patent, sued Hosiery Motor-Mend Corporation and others for infringement. The District Court adjudged the claim invalid by reason of failure to make proper disclosure of the alleged invention, and anticipation; and also thought that if the claim were sustained the defendants did not infringe, and dismissed the bill.[1] The Circuit Court of Appeals held the prior art required so narrow a construction of the claim as to exclude the method charged as an infringement and affirmed the decree.[2] We granted certiorari [3] to resolve a conflict with a decision of the Court of Appeals of the District of Columbia.[4] In support of the judgment the defendants might have urged the point as to invalidity, decided against them in the Circuit Court of Appeals, without applying for a cross-writ of certiorari.[5] Out of excess of caution, however, they prayed for the writ. Since both writs would run to but one judgment, and bring up the same record, we granted the prayer in No. 653.[6]

To knit is to form a fabric by the interlacing of a single yarn or thread in a series of connected loops. In knitted articles, of which a silk stocking is an example, a break in the thread anywhere in the fabric will cause a number of loops to pull out, leaving in their place parallel threads. The consequent defect is called a ladder or a run. The only possible method of repair consists in picking up the thread at the end of the run and reknitting by reforming the loops throughout the ladder, fastening the thread upon the completion of the operation. It has long been known that this could be accomplished by the use of a needle having a hook at the end resembling an ordinary crochet needle, but the task involved difficulties and the result was often unsatisfactory.

Stephens' patent is for an improved latch needle for this work, and for a method of executing the repair. Twenty-two claims for the needle are not in issue. Claim 23, which covers the method, is the basis of the suit. The method is stated in the patent to consist:

"in stretching the fabric over a suitable holder, inserting a repairing device having a book and pivoted latch through a loop formed in the run or raveling, continuing this movement on through the fabric while holding the device laterally out of alignment with the run or raveling until the loop has slid back over the end of the latch and beneath the latter, then reversing the movement of the device through the loop, catching the next forward thread in the hook while the loop is being pulled over the latch causing the latch to close over the thread, and the loop to be cast off over the end of the device, the thread caught in the hook thereupon forming a new loop, taking the place of the first-described loop, then reinserting the device into the fabric as before, and repeating the operation until the run or raveling has been repaired, and finally fastening the thread."

In the commercial method practiced by the owner of the patent and its licensees, the fabric is stretched over the top of a china or porcelain egg-cup held in the left hand. The degree of stretching can in this way be adjusted for the first step in the process and increased or relaxed as the work progresses. The needle is held in the right hand at an angle to the plane of the fabric and worked back and forth through the material. Whether the needle is also inclined laterally out of the line of the run is disputed. The patentee says this is unnecessary and is not in fact practiced. The defendants disagree, and contend that a pivoted latch needle will not otherwise perform its function. The alleged infringers employ a metal holder shaped like an egg-cup and a sliding latch needle, which they punch through the material and draw back at approximately a right angle to the fabric.

Stephens, while in Mexico in 1921 or 1922, noticed a Mrs. De Marr repairing runs by stretching stockings over her finger and reforming the loops with a latch needle. On her behalf he forwarded to a patent attorney a description and specification in his own handwriting and an application for patent was filed by Mrs. De Marr. A half interest was assigned to Stephens. Certain prior patents were cited against the claims and the application was abandoned. Shortly thereafter Stephens filed in his own name an application for patent of an improved pivoted latch needle and for an improved method of repairing runs. The method claim called for the use of a pivoted latch needle having all the features of that described in the application, and was accordingly rejected, inter alia because it was not a method claim since it required Stephens' specific construction of the needle. The applicant redrafted the claim to call merely for a pivoted latch needle and added

[1] 60 F.(2d) 1009.
[2] 72 F.(2d) 405.
[3] 294 U. S. —.
[4] *Finch Corp.* v. *Stelos Co.*, 60 App. D. C. 25; 46 F.(2d) 606.
[5] *Langnes* v. *Green*, 282 U. S. 531, 535.
[6] 294 U. S. —.

the element that the needle should be held laterally out of alignment with the run. We think the method claim is bad for want of proper disclosure and as lacking invention.

1. The first step is described as "stretching the fabric over a suitable holder." It is now said that an egg-cup or something of like construction is the only suitable holder, because no other device affords a rest for the operator's hand and permits continuous stretching in varying degree during the repair operation. The patent drawings show no holder of any sort. The specifications merely say:

"In other methods the fabric is stretched over the finger tip, making it difficult to insert the hook beneath the thread. This objection is obviated in the present invention by stretching the fabric over a porcelain dish, allowing sufficient depth for the free use of the needle."

Obviously the phrase "a porcelain dish" is not descriptive of an egg-cup. There is nowhere any reference to the control of the degree of stretching which is now said to be essential and to be afforded only by such a holder. The patentee testified on the trial that he tried and discarded many types of holder until he hit upon this one. If so, why did he not describe or claim it? He did so in an application for patent filed much later. He is upon the horns of a dilemma; he either discovered this form of holder and its virtues prior to the application for this patent or he found it later. If the first supposition be correct his application violated R. S. 4888[1]; if the second his patent does not cover the egg-cup holder.

Nowhere does the claim or the specification disclose the element that the fabric must not be tautly stretched over the holder, or that it must be so held that the tension can be varied. It is said that the use of the present participle "stretching" rather than the past participle "stretched" makes the matter clear; but scrutiny of both claim and specification discloses no teaching as to the stretching of the fabric, or any regulation of the tension, or that it may not be tightly stretched over the holder and secured in that condition prior to commencing the repair. The specification of a "suitable" holder certainly covers none of these alleged essentials. These omissions emphasize the failure to make the fair disclosure demanded by R. S. 4888.

The patentee says that in the old finger method the needle necessarily was held nearly in the plane of the fabric, whereas in his method it is approximately at a right angle thereto, and operated by a punching motion. The description of the operation in the patent is almost identical with that of Mrs. De Marr's abandoned application, drawn in Stephens' own hand, which was for the finger as contrasted with the punch method; and, so far as the angle at which the needle is to be held, is very similar to Pogson's disclosure in 1921, which Stephens says does not describe the punch method. When we come to the claim, we find the phrase "while holding the device laterally out of alignment with the run." This, we are told, is novel, and means that the needle is not to be used in or nearly parallel with the plane of the fabric, but at an angle thereto. "Laterally out of alignment to the run" is not equivalent to "at an angle to the plane of the fabric." That the applicant did not intend it to be so understood is shown by his repeated use of the word laterally, in the specifications, as the equivalent of off to one side; and by this sentence: "The clearance . . . makes it possible to hold the needle down closer to the fabric. . . ." There is no disclosure of any up and down punch system, such as the defendants use.

2. Pivoted latch needles are old in the art. Holders which have an opening to give room for the insertion of a needle such as that of an egg-cup are old for use in darning. The method of re-forming loops in knitted goods with pivoted latch needles was known prior to the application for this patent. The combination of the use of the egg-cup type holder and the pivoted latch needle did not entitle Stephens to a patent and the addition of the element that the needle should be held at an angle to the plane of the fabric, if that is in fact what the claim means, is insufficient to raise the method to the dignity of invention.

Judgment affirmed.

[1] U. S. C. Tit. 35, § 33. Notice that defendants would defend on this ground was given in accordance with R. S. 4920: U. S. C. Tit. 35, § 69.

U. S. Court of Appeals for the District of Columbia

THERMOLIZED COAL CORPORATION AND CHARLES M. BUCK v. CONWAY P. COE, COMMISSIONER OF PATENTS

No. 6,261. Decided May 13, 1935

PATENTABILITY—METHOD OF PREPARING COAL FOR SUBSEQUENT USE AND THE ARTICLE.

Claims for a method of preparing coal of the softer grades for its subsequent use and claims for the article produced by that method *Held* unpatentable, assuming the sufficiency of the specification, as defining nothing novel over the prior art.

Mr. Harvey L. Lechner for Thermolized Coal Corporation.

Mr. T. A. Hostetler and *Mr. R. F. Whitehead* for the Commissioner of Patents.

Before Martin, Chief Justice, and Robb, Van Orsdel, Hitz, and Groner, Associate Justices.

ROBB, *A. J.:*

Appeal from a decree in the Supreme Court of the District of Columbia dismissing appellants' bill, filed under sec. 4915, R. S., as amended (35 U. S. C. A. sec. 63), seeking to authorize the issuance of a patent to appellant Buck.

The alleged invention covers a method of treating coal and the resulting product. The object of the process is to obtain a pulverized coal product free from occluded inflammable gases. All the claims (claims 50 to 53, inclusive, for a method; and 57 and 61 for the result of the method) were rejected. We reproduce 50 and 57 as illustrative:

"50. A method of preparing coal of the softer grades for its subsequent use which comprises crushing the coal to comparatively small pieces, and heating the coal, in the presence of inert gas sufficiently free from air to prevent combustion, until it has reached a temperature substantially throughout of from substantially above that of the boiling point of water to not above that at which thermal decomposition of the particular coal begins."

"57. As a new article of manufacture, pulverized coal of the softer grades freed from a substantial portion of its occluded inflammable gases and having its structure expanded to render it porous and charged with an inert gas such as flue gas."

In practicing the method the coal is crushed into small pieces—a conventional step not involving novelty. It is then heated in the presence of inert or noncombustible gases. In the original specification the maximum temperature to which the coal is heated was not stated in degrees, but it was stated that the coal is heated to the point of thermal decomposition.

In the Patent Office the Primary Examiner and the Board of Appeals both criticized the specification as too vague to satisfy the requirements of sec. 4888, R. S. (35 U. S. C. A. sec. 33), that a patent specification shall be so clear

"as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same."

In the Buck specification it is stated that his process consists in crushing and heating coal or other carbonaceous material of a similar nature in the absence of air and in the presence of noncombustible gases "up to the temperature of the thermal decomposition and gasification of the substances of said materials." At what temperature thermal decomposition begins is not stated. By an amendement to the specification, the maximum temperature was stated to be 250° C.

The Bone patent, No. 1,594,994, August 3, 1926, discloses a "treatment of certain fuels to improve their calorific value." According to the Bone specification,

"when brown coals and lignites, which have been completely freed from mechanically held water by drying them at temperatures below 110° C., are heated to higher temperatures which are below that *at which destructive distillation begins*, they undergo a chemical change that begins to be important at temperatures between 250° C. and 400° C."

Coal is heated to a temperature between 250 and 400° C. As to this reference the Examiner said:

"Attention is particularly called to the remarkable similarity of Bone to the applicant's process with the single exception that applicant has now set the temperature of operation to one just below that at which Bone operates."

The Board stated that the process carried out in the Bone patent is strikingly similar to that of the application.

"An inert gas is used [by Bone] for heating the coal and the coal is heated to such a high temperature that all the free water and the occluded inflammable gases are driven off. The product obtained would have high calorific value and would be expanded and porous and charged with inert gases. * * * The final product obtained in any case would be expected and would differ merely in the degree of volatiles retained. It would without doubt be obvious to anyone skilled in working with coal if he had the Bone patent before him that a product having more volatiles in it could be obtained if the temperature used be lowered below 250 degrees. We fail to find, therefore, that these claims define patentably over the Bone patent."

We agree with the Patent Office tribunals that the publications cited by applicant[1] do not sustain the contention that a definite point exists at which thermal decomposition of coal begins.

But assuming the sufficiency of the specification, we agree with the Patent Office that there is nothing novel in the process.

The article claims are for pulverized coal freed from a substantial portion of its occluded gases, which simply means that the coal when heated in an inert gas absorbs some of it during the cooling step in place of inflammable gases that have been driven out. The heated inert gas treatment disclosed by Bone would impart like qualities to the coal so treated.

It results that the decree should be and, therefore, is affirmed.

Affirmed.

[1] "Primary Decomposition of Coal", by King & Willgress; "New Views of the Combustion of the Volatile Matter in Coal", by Katz.

U. S. Court of Appeals for the District of Columbia

METROPOLITAN ENGINEERING COMPANY v. CONWAY P. COE, COMMISSIONER OF PATENTS

No. 6,281. Decided May 6, 1935

PATENTABILITY—INVENTION—SUBSTITUTION OF ELECTRIC WELDING FOR RIVETING.

Claims for an automobile frame reciting a joint between a longitudinal member of channel shape and a cross member of the same shape, in which the corresponding flange portions of the members are electrically welded edge to edge and the end of the web of the cross member is butt-welded to the web of the longitudinal member, *Held* unpatentable over a patent disclosing similar parts connected by rivets and otherwise meeting every feature of the claims.

Decree affirmed.

Mr. Joseph H. Milans, Mr. Needham C. Turnage, and *Mr. D. A. Usina*, for Metropolitan Engineering Company.

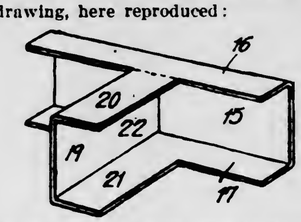
Mr. T. A. Hostetler, Solicitor of the Patent Office, for Conway P. Coe, Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, HITZ, and GRONER, Associate Justices

ROBB, *A. J.:*

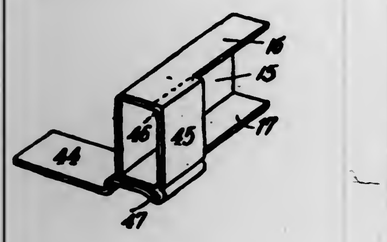
Appeal from a decree in the Supreme Court of the District dismissing appellant's bill, filed under sec. 4915, Revised Statutes, as amended (35 U. S. C. A. sec. 63), seeking to authorize the reissue (to appellant as assignee of applicant Murray) of patent No. 1,723,518, dated August 6, 1929.

The claimed invention relates to a chassis frame for automobiles, comprising longitudinal side members made from sheet metal bent to provide a central vertical portion and parallel horizontal flange portions at the top and bottom. These members are connected by transverse braces or cross members having similar vertical and horizontal portions. The horizontal portions of the side members and the cross members lie in the same plane, and are butt-welded edge to edge. The vertical portions of the side and transverse members also are welded together. This construction is disclosed in Fig. 4 of the drawing, here reproduced:



A so-called bracket of sheet metal is welded to the edges of the horizontal portions of the side mem-

bers. This feature is disclosed in Fig. 12 of the drawing, here reproduced:



All fourteen of the claims have been rejected. We here reproduce claims 1 and 5 as illustrative:

"1. A frame for automobiles having longitudinal members the cross-section of each of which is composed of a single piece of sheet metal bent to hollow shape with horizontal portions and transverse braces having portions in the plane of the horizontal portions of said longitudinal members and butt-welded edge-to-edge thereto."

"5. A frame for automobiles having longitudinal members the cross section of each of which is of channel shape with the flanges extending inward, and transverse braces having vertical edges butt-welded to the inner faces of the vertical portions of said channels, and having horizontal portions in the plane of the flanges of said channels and butt-welded edge to edge thereto."

The patent to Schmidt, No. 924,941, dated June 15, 1909, on a "Frame for motor-vehicles" discloses a frame having every feature of the claims of the issue, except the particular means of attachment of the side and cross members. Transverse braces of inverted U-shape have flanges at their ends riveted to the vertical portions of the side members. Gusset plates are used for the ends. These plates do not lie in the plane of the flange of the side member, nor are the parts butt-welded together. It is common knowledge that electric welding has largely superseded riveting in many types of metal structure work. *Thomson Co.* v. *Ford Motor Co.*, 265 U. S. 445, 328 O. G. 11. Therefore, to employ welding in place of riveting does not constitute novelty. Should welding take the place of riveting, it would be obvious to arrange the gusset plates in the plane of the flange.

Certain claims contain the added limitation that the vertical edges of the cross members are butt-welded to the vertical faces of the side members. This feature is disclosed in Fig. 4 above. The tongue 22 (an extension of web 19 of the cross member) extends to the web of the channel side member 15 and is welded thereto. Should the horizontal portions of the side members and the cross members be butt-welded edge to edge, it would be obvious, particularly in view of the disclosure of Schmidt, to extend the tongue 22 to the channel of side member 15 and weld it thereto.

We have with painstaking care considered the contentions advanced in appellant's brief in the light of the argument at the bar, but we are unable to discover that novelty has been disclosed.

The decree therefore will be affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CRABTREE

No. 3,401. Decided February 4, 1935

[74 F.(2d) 998]

1. PATENTABILITY—PILE FABRIC—SUFFICIENCY OF DISCLOSURE.

A claim for a pile fabric *Held* improperly rejected as not reading on applicant's original disclosure.

2. SAME—SAME.

Certain claims for a pile fabric *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. E. Clarkson Seward for Crabtree.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

This appeal is from the decision of the Board of Appeals of the United States Patent Office, rejecting claims 23, 24, 25, and 26 of the appellant's application for a patent on claimed improvements in pile fabrics.

The application herein was originally filed August 10, 1926. It has had a rather tortuous course in the Patent Office, has been involved in an interference, and various actions have been taken thereon by the tribunals of the Patent Office.

It seems unnecessary here to go into a discussion of these various steps, as, in our mind, the necessity for so doing has been obviated by the statement of the issues here made by counsel.

In rejecting the claims of appellant, the Examiner, in the first instance, invoked the rule of estoppel against the appellant. However, in a supplemental statement of May 12, 1933, he rejected the claims on the prior art, citing three references, as follows: Hill, 28,484, May 29, 1860; Goodall, 209,805, November 12, 1878; Bartlett, 1,271,005, July 2, 1918.

Claim 23 was also rejected on the ground that it was not supported by appellant's original disclosure.

While the Examiner states that this reason is supplemental, the Board of Appeals made this comment thereon:

We note that the Examiner has submitted two statements, the first filed presenting a rejection of the claims on the ground of estoppel. The second statement as we read it seems to withdraw the first ground of rejection. For that reason we will not consider the ground of estoppel raised by the Examiner.

Following this, the Solicitor for the Patent Office, in his argument before this court, also makes this statement:

• • • The Board of Appeals for that reason (R. 75) considered only the grounds of rejection given in the second statement, and those alone will be considered here. • • •

No further attention, therefore, will be given by us to the question of estoppel, and the rejected claims will be examined in view of the prior art cited.

The rejected claims are fairly represented by claims 23 and 24, which are as follows:

23. A textile pile fabric intended for frictional wear comprising, a ground of interwoven warp and weft threads, rows of substantially uniform and substantially uniformly spaced interwoven loose warp pile V's each looped about a single weft thread but not interlaced with the ground so as to be thereby firmly held therein, said weft threads being spaced no further apart than substantially the diameter of the pile threads and alternate weft threads being substantially in contact with the ends of intermediate pile V's, said fabric being devoid of extra or additional threads which would normally be necessary to secure the V's therein and to render the fabric suitable for frictional wear, whereby, due to the absence of said extra threads, the V's would be liable to assume a less erect and less uniform position and to pull or push out of the ground when subjected to frictional wear, said fabric embodying a thin application of cementitious binding material on the back of the ground which penetrates the interwoven threads but does not conceal the weave and unites the loops of the V's with the interwoven ground warp and weft threads to anchor the V's against pulling or pushing out of the ground or assuming a less erect or less uniform position, whereby the fabric is rendered suitable for frictional wear and its uniformity and appearance are improved without sacrificing its folding and rolling characteristics.

24. A method of making in the piece textile pile fabric for frictional wear comprising, machine weaving threads consisting of ground warp, ground weft, and pile warp only to constitute a single layer, passing the pile warp around single weft threads to form substantially uniform and substantially uniformly spaced pile loops, causing the weft threads substantially to contact with the ends of the intervening pile loops, severing the loops to form cut V-pile, and cementing the loops to the weft threads around which they pass.

Claim 23 was rejected by the Examiner and by the Board of Appeals on the theory that said claim embraced this element,

"said fabric being devoid of extra or additional threads which would normally be necessary to secure the V's therein and to render the fabric suitable for frictional wear,"

and that this statement of construction was not supported by appellant's original disclosure.

Appellant's application involved and described an alleged invention in and by which the appellant proposed to construct pile fabrics, in which he used the ordinary number of warp and weft threads, in which he proposed to use the V-type of pile threads, and in which, in order to secure these pile threads, he proposed to fasten them in place by the application of a cementitious layer applied to the back of the fabric. Much of the argument concerns the construction which the appellant disclosed. However, we think it is clearly shown by the specification and drawings that the appellant intended to make a pile fabric in which there were no extra warp and weft threads, and where the V-shaped pile threads were looped about only one weft thread. In other words, the fabric proposed by him was of the so-called "loose pile fabrics," and, while the appellant alludes to the fact in his specification that certain features of his improvement will be beneficial to a fast pile fabric, we think it is clear from the entire application and specification that the invention has to do with loose pile fabrics of the V-type in which no extra threads are used, and by means of which a fast pile fabric may be constructed at small cost and with greater celerity and ease.

In referring to the objects of his invention, the appellant stated in his specification that the difficulty with loose woven pile fabrics of the ordinary type was that the loops would pull out and the fabric would not resist wear, but that by use of his invention, the ordinary loose pile fabric might be made a fast pile material which would stand wear, and from which the pile threads could not be pulled. Various other advantages are claimed for the product, as, for instance, that it is waterproof, and that it can be used in automobile manufacture without a stiffening support.

There is some discussion as to a feature found in claims 23, 25, and 26, namely, that the coating on the back of the fabric "does not conceal the weave." A careful examination of the specification of appellant, and his drawings, fails to disclose any such feature.

The Board of Appeals, in its decision here, refers to its discussion of the matter in the interference No. 58,407, heretofore referred to. The proceedings in this interference are not incorporated in the record here, and are not now before us; hence they cannot be considered. If they are important to the issue, they should have been submitted by the appellant and certified by the Patent Office, and incorporated into this record. However, this is deemed somewhat immaterial, in view of our conclusion as to the merits of the rejection by the Board of said claim 23. The Board seems to have been under the impression that the appellant was making claims for a fabric having less than the normal number of threads. On the contrary, he was not making this claim in his specification, nor in said claim 23, but was stating that he was not using the type of weave that was usually made when a fast pile fabric was to be made with a V-shaped pile thread; that is, by adding extra threads in the warp or weft to hold the loop in position. Therefore, in making his said claim 23, he deemed it important to indicate that he used no extra threads, but the usual number that were found in a loose pile fabric with a V-shaped pile thread.

[1] We are of opinion that the rejection of claim 23 for the reason given by the Board of Appeals was improper. It was conceded by the Solicitor for the Patent Office on the hearing here, that if the subject matter of said claim 23 were disclosed by appellant's application, the claim was patentable. In our view, it was so disclosed, and, therefore, the claim should not have been rejected for the reason stated.

Claims 24, 25, and 26 were rejected by the Board of Appeals in view of the prior art as shown by Hill, Goodall, and Bartlett. Hill disclosed an invention comprising a pile fabric in which the pile was composed of locks of wool, hair, or other material. These locks were applied while the web was being woven, by inserting the same at intervals—

"so as to leave both ends upon the upper surface, and of about an equal length, while the middle portion of each lies under two or three of the upper threads of the warp, and parallel with the woof."

The appellant argues that these locks of hair, etc., do not extend under the warp of the web, but that the cloth evidently has several warp threads and that the locks extend under some of them only. This has some justification in the following language appearing in Hill's specification, where, in describing the use of glue or cement which he uses on the back of his fabric, he says:

"The varnish being applied hot or thin insinuates itself between the fibers which compose the pile and they become glued or cemented to those threads of the warp which overlie the tufts on the back, where they are interwoven with the web."

The patent to Goodall, contrary to the appellant's views, is relied upon by the Board of Appeals. This patent shows an improvement in nap or plush goods. In this patent, Goodall does not introduce pile

threads into his fabric, but uses a loosely twisted thread in his web, by means of which the nap is made by gigging with teasels. The back of this fabric is treated with paste or adhesive substance by which means the nap is held in its gigged-up condition.

The patent to Bartlett shows a floor covering wherein a textile fabric is partially embedded in and surfaced upon one side with a flexible waterproof material. The drawing with the application shows the web to be made with the ordinary number of warp and weft threads and the pile threads are of the V-type surrounding one weft thread. The patentee states:

"While I have shown the fabric to be a cut pile texture, I in no sense wish to be limited to this form of fabric as I contemplate the use of fabric with loosely woven woof or weft strands as well as fabrics having a nap."

The flexible covering on the back of the fabric is shown to enter the interstices of the fabric, partially embedding the pile, and with an undulated surface on the lower or back side of such covering so that the article will not slide easily on a smooth surface, and for other useful purposes. Claim 24 is unpatentable over the prior art cited.

[2] Claims 25 and 26 have the additional feature hereinbefore mentioned, namely, that the cementitious layer "does not conceal the weave." Even if this be disclosed by the appellant, these claims, we believe, are fully anticipated by the cited references. Hill shows a pile fabric in which the weave is not concealed after the application of his cementitious covering.

In all other respects, also, said claims 25 and 26 are thought to be properly rejected on the references cited.

We express no opinion as to the patentability of said claim 23, that question not having been passed upon by the Patent Office tribunals and not being in issue here.

The decision of the Board of Appeals is reversed as to said claim 23, and affirmed as to claims 24, 25, and 26.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE MERRIMAN

No. 3,364. Decided February 4, 1935

[74 F.(2d) 944]

1. APPEAL—CLAIMS PRESENTED AFTER DECISION BY BOARD OF APPEALS.

Where, upon reopening of the prosecution before the Examiner, after decision by the Board of Appeals, the Examiner refused to act on the merits of the claims then presented as being for an invention different from that originally claimed and rejected other claims, *Held* that the Board of Appeals, on a second appeal, properly refused to consider the former claims, since applicant's remedy was by petition to the Commissioner from the Examiner's refusal to consider them.

2. PATENTABILITY—MANHOLES.

Claims for a manhole cover and a seat therefor including chill rings to provide true and accurate engaging surfaces, *Held* patentable and claims for the cover seat alone *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Modified.

Messrs. Kwis, Hudson & Kent, Mr. Watts T. Estabrook, and *Mr. S. J. Boughton* for Merriman.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 4, 7, 8, 9, 10, and 11, and refusing to consider claims 5 and 6, in appellant's application for a patent for an alleged invention relating to improvements in manhole frames and covers therefor, and a process for making the same.

Claims 4, 5, 6, 7, and 9 are illustrative. They read:

4. In combination, a frame comprising an annular cover seat of chilled iron, an enclosing wall surrounding said seat, said wall being spaced from the seat, and a cover having an annular chilled iron surface formed for engagement with said seat, whereby hardened, accurate engaging surfaces may be provided.

5. A method of providing a true and accurate cover seat in a manhole frame, which consists in casting said frame in a sand mold containing a chill ring against which the cover seat is to be cast, and providing in the mold an annular bead of sand surrounding said chill to form a groove in the casting surrounding said cover seat.

6. A method of providing a true and accurate cover seat in a manhole frame, which consists in casting said frame in a sand mold containing a chill ring against which the cover seat is to be cast, said chill ring having an edge beveled away from the joint between the cover seat and frame wall, and providing in the mold an annular bead of sand surrounding said cover seat.

7. In combination, a cast metal frame comprising an annular cover seat of chilled metal, an enclosing wall surrounding said seat, said wall being spaced from the seat with a groove intervening.

9. A method of providing true and accurate engaging surfaces in an iron frame and cover, which consists in casting said frame and cover in sand molds containing chills with accurately formed surfaces complementary to the engaging surfaces of the castings.

The references are: Tellander, 246,694, September 6, 1881; Conolly et al (Br.), 1,384, January 30, 1886; Candee, 366,455, July 12, 1887; Muckle et al., 392,877, November 13, 1888; Steele, 681,995, September 3, 1901; Howe, 736,102, August 11, 1903; Craig, 835,012, November 6, 1906; Boykin, 1,296,751, March 11, 1919; Rust, 1,475,199, November 27, 1923; Needham (Br.), 203,230, September 6, 1923; Anderson, 1,771,201, July 22, 1930.

The involved claims are sufficiently descriptive of appellant's product and process.

Prior to appellant's alleged invention, it was the practice to employ the machining process in order to secure accurately engaging surfaces of cover seats of manhole frames and covers therefor.

We quote from the brief of counsel for appellant, wherein the involved invention, and its advantages over the prior art, is explained:

The chill rings for each of these two surfaces are made in one piece, being steel rings, the active surfaces of which are carefully inspected after each casing operation and resurfaced when necessary so as to be maintained perfectly flat. A somewhat similar result can be obtained by machining the two surfaces of the castings, which method has been followed at times prior to the present invention, but machining is an expensive operation, and the present invention effects a large saving in this respect.

It is also more desirable for another reason, namely, that the chilled surfaces are more wear resisting than machined surfaces. The latter result, however, is merely incidental and is not relied upon to lend patentability to the invention.

The invention, then, consists in providing in the frame an annular cover seat which has a perfectly true surface, in providing a cooperating true surface on the cover, and in accomplishing this result by the use of accurately surfaced chill rings. It consists further, as described in some of the claims, of spacing such chilled annular seat away from the surrounding frame wall, by virtue of which it is possible to employ a one-piece chill ring in forming the seat (a multiple-piece ring could not be relied upon to produce a perfectly flat seat in every instance). The invention further includes the idea of separating the seat from the surrounding wall by a groove, which has a valuable function in that it removes any possibility of deflection of the chill ring during contraction of the frame casting upon cooling.

The patent to Tellander relates to an apparatus for casting hollow articles in metallic molds. The patentee stated that the object of his invention was to—

"cast all kinds of cylindrical, conical, or other hollow articles in metallic molds in such manner that * * * smooth and hardened surfaces are obtained directly in casting,"

and thus avoid the time and expense required for turning them in a lathe. The patentee employed in his apparatus a metallic core for carrying out his invention.

The patent to Candee relates to a mold for axle boxes, and discloses such articles having interior chilled metal surfaces produced in the process of casting.

The patent to Muckle et al. relates to a cover for manhole chambers of underground conduits, and discloses in the drawing a groove between the cover seat and the side wall.

The patent to Steele relates to manhole frames and covers, and particularly to "reinforcing both the frame and cover during formation or casting by the application of strengthening devices," etc. Although the Board of Appeals did not discuss this patent, the Primary Examiner stated that it disclosed manhole frames and covers of the conventional type, the engaging surfaces "being fitted" accurately. We may say at this point that we find nothing in the reference to suggest the improvements claimed in appellant's application.

The patent to Howe relates to molding car wheels. It was cited by the tribunals of the Patent Office as showing that it was "old and well known to chill parts of iron castings during the process of casting to obtain hard and tough wearing surfaces."

The patent to Craig relates to improvements in manhole construction, and discloses a groove between the flanges on which the cover rests and the side wall of the manhole casing.

The patent to Boykin relates to a method of casting valve seats, and particularly a "one-piece seat the active face of which is hardened" by means of metallic chills during the casting operation, in order to increase its resistance to wear.

The patent to Rust relates to improvements in manhole covers. The patentee stated that it was preferable, in order to secure accurate engagement between the cover and the cover seat, to machine their surfaces.

The patent to Anderson relates to a "green sand core," and, among other things, to a means adapted to permit the pouring of molten metal into the mold without destroying the core.

The British patent to Conolly relates to improvements in manhole doors for drains, sewers, and the like, and discloses a groove between the seat on which the cover rests and the side wall of the frame.

The British patent to Needham et al. also relates to manhole covers, and discloses a groove between the seat for the cover and the side wall of the manhole frame.

As originally presented, appellant's application contained four claims, Nos. 1 to 4, inclusive. All of those claims were rejected by the Primary Examiner on the patents to Rust, Howe, Boykin, and Steele.

On appeal, the Board of Appeals affirmed the decision of the Primary Examiner as to claims 1, 2, and 3, but reversed his decision as to claim 4. The Board stated that as claim 4 contained the feature of spacing the seat from the wall, and as no reference had been cited showing that feature, it deemed the claim patentable.

Subsequent to that decision, the Examiner cited the patents to Muckle et al., Craig, Needham, and Conolly et al. for the purpose of showing that the feature of spacing the seat from the wall, referred to in claim 4, was old in the art, and requested that the case be reopened for further prosecution of that claim in accordance with Rules 139 and 140 of the Rules of Practice in the United States Patent Office.

Thereafter, the affidavits of George B. Sowers and Michael W. Merriman, appellant, were introduced in evidence. Appellant also presented, in addition to claim 4, supra, claims 5 to 11, inclusive.

It appears from the affidavit of George B. Sowers that as an engineer in the Division of Engineering and Construction, Department of Public Service, of the city of Cleveland, Ohio, he was familiar with the specifications for manhole frames and covers used by that city prior to 1929; that the manhole frames and covers made in accordance with such specifications and the then-known methods of manufacture, except those whose surfaces were machined, were not satisfactory; that the covers seldom fitted the frames with sufficient accuracy to prevent a rocking movement, which caused considerable noise when vehicles passed over them; that, due to such inaccurate fitting, there was considerable loss due to breakage of the covers; that, during the year 1929, affiant learned of appellant's product and the method of constructing it; that after the matter had been given thorough consideration, the specifications of the city were changed so as to require the purchase and use of manhole frames and covers made in accordance with appellant's method of construction; that since the change in 1929 in its specifications (the affidavit is dated May 16, 1932) the city purchased for replacement purposes approximately twelve hundred manhole frames and covers of the type disclosed in appellant's application; that during the same period, approximately seven thousand of such manhole frames and covers were purchased and used by contractors "in new work upon the streets and roads" of the city of Cleveland; that such frames and covers have given entire satisfaction; that the breakage of covers, and the noise hereinbefore referred to, has been almost entirely eliminated; that appellant's product is superior in wearing qualities not only to the ordinary manhole frames and covers in use prior to the advent of appellant's product, but to those which are machined in order to make accurate engaging surfaces; and

that they cost much less, due to the cheaper process of construction, than the machined articles.

In his affidavit, appellant Michael W. Merriman, stated that he had been engaged in the foundry business for thirty-five years; that prior to his alleged invention—

> • • • manhole frames and covers were made either as plain iron or steel castings; that the noise caused by covers rocking or slapping upon the frame seats when vehicles passed over them, due to poor fit, and the breakage of covers resulting from the continued hammering thus applied to them, *were well known and well recognized evils for a great many years prior to the said invention;* that, in some instances, cover seats on the frames, as well as the covers themselves, were machined in an effort to cure this difficulty, but that such practice was expensive, the labor expense involved ranging somewhere between one dollar and a half and two dollars and a half ($1.50 and $2.50) per frame and cover, depending upon the wage scale at the time; that deponent's invention, as covered by the said application for patent, came about after he had devoted a great deal of time and thought to the problem; that the chilling of iron surfaces in castings was well known generally and was old and common shop practice, at the time deponent made his invention, where hard surfaces were necessary or desired, but that chilling, for the purpose of producing true and accurate meeting surfaces to take the place of machined surfaces, was a new thought with deponent, and, when applied to the cover seats for manhole frames, met with almost instant success, being recognized by all engineers familiar with such matters, to whom deponent explained the invention, as an important step forward in the art; that the cost of producing such a plane chilled surface for a cover seat of a two foot diameter in a manhole frame, amounts at the present time to about five cents (.05¢) and provides a perfectly true seat with better wearing qualities than machined seats at approximately one fifteenth (1/15) of the cost; that the provision of a groove, to separate the chilled seat from the wall of the frame, is an essential feature of the invention, inasmuch as the shrinkage of an iron casting, of two feet or more in diameter, amounts to practically one fourth (¼) of an inch, and the sand, which forms the groove in question, acts as a cushion between the frame wall and the chill ring to prevent the contraction of the casting wall against the ring from causing cracks and breakage in the casting • • •. [Italics ours.]

The Primary Examiner rejected claims 4, and 7 to 11, inclusive, on the references of record, but declined to consider the patentability of claims 5 and 6 on the ground that they related to subject-matter which had not been previously presented by appellant. Although the Examiner stated, in his decision, that he had carefully considered the argument of appellant relative to the patentability of the claims considered by him, he did not refer to the affidavits of record.

On appeal, the Board of Appeals agreed with the decision of the Primary Examiner holding that claims 4, and 7 to 11, inclusive, were not patentable over the prior art. With reference to claims 5 and 6, the Board said:

> The Examiner did not pass upon the patentability of claims 5 and 6, but holds that they are for subject matter not involved in the previous prosecution of the case and would require a new consideration and an examination in a different division in the Office. In support of his ruling the Examiner cited the Commissioner's decision in *Ex parte* Comstock 1923 C. D., 82. This decision was rendered on a petition upon the refusal of the Examiner to act on the merits of certain newly made claims. Appellant's remedy would appear to be by a similar procedure, since, as admitted by appellant, on page 7 of his brief, "These two claims have never had any real action upon the merits."

The Primary Examiner declined to consider the patentability of claims 5 and 6 on the ground that they referred to subject-matter not involved in the other appealed claims, and specifically suggested to appellant that the remedy provided in such cases was an appeal to the Commissioner of Patents in accordance with Rules 68, 139, and 140 of the Rules of Practice in the United States Patent Office.

The Board of Appeals, as will be noted from the quoted excerpt from its decision, agreed with the Examiner that appellant's remedy was an appeal to the Commissioner of Patents.

Appellant states in his brief that he did not elect to follow the suggestions of the Patent Office tribunals, and now insists that claims 5 and 6 differ from claim 9 in "scope" only, and that the subject-matter is substantially the same.

It is conceded by counsel for appellant, however, that—

> Claim 5 adds to claim 9 the limitation that an annular bead of sand is provided in the mold.
>
> Claim 6 adds to claim 5 the limitation that the chill ring has an outer beveled surface.

We are not disposed to enter upon a discussion of the nature or extent of the differences between claims 5 and 6 and the other appealed claims.

Counsel for appellant contends in this court that the decision of the Primary Examiner relative to claims 5 and 6, affirmed by the Board of Appeals, amounted to a requirement of division, and that, therefore, Rules 68 and 140 of the Rules of Practice in the United States Patent Office are not applicable.

The record discloses that subsequent to the final decision of the Primary Examiner, appellant appealed to the Board of Appeals, claiming that the Examiner

> "erred in requiring cancellation of claims 5 and 6 *instead of requiring division between those claims and claim 4.*" [Italics ours.]

In his reasons of appeal in this court, appellant contends that the Board of Appeals erred in affirming the decision of the Primary Examiner

> "as to the rejection of claims 5 and 6 upon the ground that they are for subject matter not involved in the previous prosecution of the case."

It is true that, in refusing to consider those claims, the Primary Examiner stated that

> "they set forth active steps in an art distinctly different from that belonging to pavements and features of a cover and its seat,"

and that the claims were examinable in a different division of the Patent Office. Nevertheless, he refused to consider the claims, because he was of opinion that the case was reopened solely for the further prosecution of claim 4 and claims to "substantially the same subject matter."

[1] We think it is clear that his decision did not amount to a requirement of division, and that appellant was afforded a remedy by Rules 68 and 140 of the Rules of Practice in the United States Patent Office. It may be that the Primary Examiner erred in refusing to consider those claims. However, as to that question, we express no opinion. If it be assumed that he did err in that respect, appellant was afforded a remedy by the rules mentioned, which he declined to pursue. We are of opinion, therefore, that the Board of Appeals was clearly right in affirming the decision of the Examiner refusing to consider the patentability of those claims.

It is conceded by counsel for appellant that the chilling of iron surfaces for the purpose of making them hard was a well known expedient in the prior art. Appellant contends, however, that the application of chill rings in a casting operation to the surfaces of manhole seats and covers, in order to provide true and accurate engaging surfaces, amounts to invention.

In his second decision, the Primary Examiner stated that it was old in the art to machine "surfaces" in order to secure true and accurate engagement thereof, and that it was also old to chill such "surfaces" for a like purpose.

It is true that the patent to Tellander taught that hollow articles might be cast in metallic molds having a metallic core so that their surfaces would be smooth and hard. It may be, now that appellant has solved the problem confronting those engaged in the production of manhole frames and covers, that it seems simple to combine the references of record so as to produce appellant's claimed invention. However, the patent to Tellander was issued in 1881, and the last issued patent of record having any bearing on the subject, the British patent to Needham, was issued in 1923. Accordingly, it seems strange indeed, considering the facts of record, that those skilled in the art should, for many years, resort to the expensive operation of machining in order to secure accurately engaging surfaces of manhole cover seats and covers, if appellant's claimed process and product were obvious to them.

It is evident from the record that appellant's product was commercially successful because it not only provided hardened durable surfaces of cover seats and covers, but also true and accurate engagement of such surfaces, and because the cost of producing such articles was greatly reduced by eliminating the machining operation theretofore considered necessary in order to produce accurate engaging surfaces.

[2] We are of opinion that appellant's process, as defined in claim 9, and his product, as defined in claims 4, 10, and 11, were not obvious to those skilled in the art, and are, therefore, patentable.

Claims 7 and 8, however, do not relate to the accurate engagement of the covers and cover seats, but are limited to annular chilled cover seats, having enclosing walls spaced therefrom by grooves. Those claims do not define appellant's real invention, and, in view of the references, are obviously not patentable.

For the reasons stated, the decision of the Board of Appeals is affirmed as to claims 5 to 8, inclusive, and reversed as to claims 4, 9, 10, and 11.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE BRONSON

No. 3,383. Decided Jan. 28, 1935

[74 F.(2d) 762]

PATENTABILITY—VALVE INSIDES.

A claim for valve insides *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Kicis, Hudson & Kent, Mr. Watts T. Estabrook, and *Mr. Arthur J. Hudson* for Bronson.

Mr. T. A. Hostetler and *Mr. H. S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claim 8 of appellant's application for lack of invention in view of the prior art. Claims 9 and 10 of said application were allowed.

Said claim 8 reads as follows:

> 8. A valve insides comprising a cylindrical barrel having a longitudinal bore therethrough, a valve pin extending through said bore and having a valve proper secured to the pin, said valve cooperating with a seat upon the barrel, and a bar of greater depth than width freely rotatable on the pin and rotatable with respect to the barrel, said bar having two ends threaded and serving as the means by which the valve insides may be screwed into and retained in a valve stem.

The references cited are: Kraft, 1,307,980, June 24, 1919; Royer, 1,473,938, November 13, 1923; Shaw, 1,744,338, January 21, 1930; Land (British), 9,867, July 7, 1915.

Appellant's alleged invention is described by the Board of Appeals in its decision as follows:

> This application relates to a valve insides for a tire valve, the valve insides comprising a seat member provided at its lower end with a valve seat and with a packing which is adapted to fit an inclined shoulder in a standard valve stem. Passing through the seat member is a valve stem bearing a valve at its lower end and a bar at its upper end, the bar being of greater depth than width and free from the seat member. The bar is threaded at its outer edges to cooperate with an interior thread in the valve stem and when threaded downwardly contacts with the upper end of the seat member forcing the seat member into place. Applicant alleges that the structure designed by him provides the maximum area of air passage and maximum strength and at the same time properly guides the valve stem.

Kraft is the principal reference relied upon, in connection with the other references. Kraft's invention is described in his patent as follows:

> The invention is particularly directed to the well-known Schrader valve and is designed to provide a top guide for the valve whereby to insure that the latter shall be properly seated.
>
> In this type of valve a plug member is provided which screws into the open-ended socket of the valve shell and holds the valve seat in position therein. Such plug member may be formed separately from the seat or may be an integral part thereof. According to the preferred form of the invention the plug member is utilized as a guide for the valve, through the medium of the so-called deflating pin which extends through it. In the usual construction the hole or bore through the plug must be sufficiently large to admit proper quantities of air through the valve in inflating the tire or other device to which the valve is applied. Hence the deflating pin cannot fit so closely as to make a very accurate guide for the valve. In the present invention the plug is formed with a bridge which is provided with a hole of smaller diameter than the main portion of the hole through the plug so that the pin may make a close guiding fit with the bridge, while suitable passages for the air are provided in the sides of the bridge which connect with the main hole through the plug, thus retaining the maximum passage through the latter.

The patent to Royer relates to a device adapted to be screwed on the end of a tire valve stem. It does not purport to disclose valve insides within the valve stem; it does show a bar or upper head with threaded ends to cooperate with threads cut on the inside of a cap, and the bar has greater depth than width.

The patent to Shaw and the British patent to Land relate to valve insides. Shaw discloses a seat member and an integral bar, the bar being of greater depth than width. This bar is not "freely rotatable with respect to the barrel."

The Land patent discloses a threaded nut which is flattened on two sides. It is situated in about the center of the structure shown and is described as a "bush • • • provided with flats • • • to

allow air to pass from the nipple 2 into the valve body 1." The specification also states that this "bush" also serves as a guide to a spindle described. The flattened sides of this nut or bush appear from the drawings to have greater depth than width.

It was the opinion of both the Examiner and the Board that, in view of the references Royer, Shaw, and Land, it would not require invention so to modify the structure disclosed by Kraft as to read upon appellant's claim 8, here involved. Upon this point the Board in its decision said:

> Claim 8 appears to distinguish from Kraft only by the limitation of a bar of greater depth than width and would appear to involve only the forming of the bridge in the plug in the device of Kraft of a greater depth than the depth shown. In view of the bars disclosed in the other references of greater depth than width it does not appear to us that it would be a matter of invention to increase the depth of the bridge in the device of Kraft, and we must agree with the examiner that this claim should not be allowed.

Upon the same point the Examiner stated as follows:

> To alter the structure of Kraft by making the nut member entirely flat as by cutting away the lower round portion is not invention in view of the other patents showing the use of such flat bars for the same or similar purposes.

It will be observed that the Board was of the opinion that the only modification of Kraft necessary to meet the claim here involved would be to increase the depth of the bridge discolsed by him, while the Examiner went somewhat more into detail, stating that the structure of Kraft could be altered by making his plug, or nut as it is called by the Examiner, entirely flat, as by cutting away the lower round portion thereof, and that such alteration would not involve invention.

Both the Board and the Examiner appear to have overlooked the fact that either "to increase the depth of the bridge" of Kraft, or to make the plug entirely flat by cutting away the round portion thereof would prevent the bridge shown by Kraft from being considered a "bar" as called for by claim 8, here involved. While the bridge shown by Kraft might be termed a bar, to deepen it, as suggested by the Board to read on appellant's claim 8, would, it seems to us, prevent it from coming within the term "bar," for it would merely lengthen the legs of the bridge to such an extent that the term "bar" could no longer be applied. The same observation will apply to the statement of the Examiner that the plug of Kraft might be made flat. If that were done, the same result would follow as by increasing "the depth of the bridge," as suggested by the Board. There would be no "bar" left, but there would be a structure with two legs connected across the top, the legs being longer than the connection between them.

In the brief of the Solicitor for the Patent Office we find the following:

> • • • Appellant seems to suggest that the Board of Appeals proposed putting longer legs on the bridge J of Kraft, in which case the legs might be less resistant to torque as argued, but it is not seen that the Board of Appeals made any such proposal. The Board of Appeals proposed making the part J thicker or deeper in its vertical dimension as shown in cross section (Fig. 3, R. 15) and it is certainly not seen how such *adding of material* would "weaken the structure," as alleged. [Italics ours.]

We find nothing in the decision of the Board or in the decision of the Examiner suggesting the "adding of material" to the plug disclosed by Kraft. The Board merely suggested the increase of "the depth of the bridge" and the Examiner explicitly suggested cutting away a part of the plug of Kraft, without any intimation that anything should be added thereto. We do not think that the flat nuts shown in the other references would suggest to one skilled in the art modifying the plug shown by Kraft so that it would then read upon appellant's claim 8, and it seems clear to us that the modifications suggested by the Patent Office tribunals would prevent the structure as modified from being read on appellant's claim 8.

We are in doubt upon the question of whether claim 8 adequntely defines appellant's alleged invention. It may be that it is so broad that, upon that ground, it should be rejected; but the claim was not rejected upon that ground, and we may not here consider it. *In re Tucker and Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 416 O. G. 286. The Patent Office tribunals apparently considered that claim 8 adequately points out the "part, improvement, or combination" which appellant claims as his invention disclosed in his specification, but held that the invention claimed lacked patentability in view of the prior art.

We are also in doubt as to whether the bridge shown by Kraft may properly be said to be "freely rotatable on the pin," as required of the bar in claim 8 here involved. As a matter of fact, the bridge of Kraft is an integral part of the plug disclosed by him, and the bridge is not rotatable on the pin separately from the part of the member described by Kraft as a plug. However this may be, we think that on the whole it is manifest that there is at least well-founded doubt with respect to the patentability of the claim, and, in accordance with the well-established rule in such cases, this doubt should be resolved in favor of appellant.

For the reasons stated, the decision of the Board of Appeals upon said claim 8 is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,073,644. H. M. Sutton et al., Separating table and process of separation; 1,315,881, same, Process of and apparatus for separating and grading material, C. C. A., 4th Cir., Doc. 3726. *H. M. Sutton et al.* v. *Gulf Smokeless Coal Co. et al.* Decree modified Apr. 29, 1935. Doc. 3728. *Roberts & Schaefer Co.* v. *H. M. Sutton et al.* Decree as above.

1,244,217. (See 1,537,708.)

1,247,540, 1,247,542. Re. 15,140, 1,286,017, 1,341,561, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, D. C., S. D. Tex. (Houston), Doc. E. 623. *Activated Sludge, Inc.*, v. *City of Bryan, Tex.* Dismissed (notice Apr. 29, 1935).

1,247,542. (See 1,247,540.)

1,266,021. E. H. Kelley, Vending machine; 1,435,062, R. H. Helsel, Ticket issuing machine; 1,919,652, same, Check issuing machine, filed May 4, 1935, D. C., E. D. N. Y., Doc. E 7612. *General Register Co.* v. *R. H. Helsel et al.*

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,315,881. (See 1,073,644.) 1,341,561. (See 1,247,540.)

1,352,157. (See 1,411,227.)

1,361,143, D. D. Danell, Attachment for motion picture machines; 1,618,417, Feeney & Godoy, Fire preventing apparatus for motion picture projecting machines; 1,658,594, same, Dowser closing mechanism for motion picture projecting machines; 1,725,574, same, Dowser unit for motion picture projecting machines; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, D. C., E. D. Pa., Doc. 8569. *Sentry Safety Control Corp.* v. *E. J. Dech.* Discontinued without prejudice Apr. 23, 1935.

1,374,679. (See 1,537,708.)

1,411,227. L. A. Suckoff, Spring cushion construction; 1,352,157, same, Spring inserting tool, appeal filed May 1, 1935, C. C. A., 2d Cir., Doc. —. *Nachman Spring-Filled Corp.* v. *Kay Mfg. Corp.*

1,411,786. E. Hopkinson, Process of treating fibrous material and product thereof; 1,784,523, same, Method of rubberizing fibrous material and article produced thereby; 1,654,167, W. A. Gibbons, Process for vulcanizing rubber; 1,816,574, Foster & Cook, Pile or tufted sheet fibrous material, filed May 2, 1935, D. C. Conn., Doc. E. 2454. *U. S. Rubber Co.* v. *S. Blumenthal & Co., Inc.*

1,414,527. R. E. Schurtz, Automatic continuous refrigerator; 1,627,808, 1,796,410, 1,891,028, 1,905,308, same, Refrigeration system; 1,890,531, same, Automatic weak liquor control, filed Apr. 25, 1935, D. C., N. D. Ill., E. Div., Doc. 14,434. *R. E. Schurtz* v. *Serrel, Inc., et al.*

1,429,207. (See 1,987,525.)

1,432,867. M. J. Kelly, Electron discharge device and method of making same; 1,456,528, H. D. Arnold, Electric discharge device; 1,459,412, A. M. Nicolson, Thermionic translating device; 1,479,778, H. J. Vander Bijl, Vacuum tube device; 1,672,233, W. J. Skinner, Radio grid and filament spacer; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,850,981, H. P. Donle, Rectifier, D. C., R. I., Doc. 455. *Radio Corp. of America et al.* v. *A. S. Friedman (Blackstone Radio Tube Mfg. Co.).* Dismissed Apr. 30, 1935.

1,435,062. (See 1,266,021.) 1,445,780. (See 1,987,525.)

1,456,528. (See 1,432,867.)

1,457,680, W. A. Whitaker, Flotation process; 1,467,354, N. C. Christensen, Process of concentrating oxidized ores and minerals, D. C., Del., Doc. E 1084. *Phosphate Recovery Corp.* v. *Southern Phosphate Corp.* Dismissed Nov. 23, 1934. Same, filed Nov. 15, 1934, D. C., Del., Doc. E 1086. *Phosphate Recovery Corp.* v. *Southern Phosphate Corp.*

1,459,412. (See 1,432,867.) 1,467,354. (See 1,457,680.)

1,479,778. (See 1,432,867.) 1,514,851. (See 1,890,365.)

1,537,708, W. Schottky, Thermionic vacuum tube; 1,736,815, W. J. Albersheim, Audion tube; Re. 15,278, 1,558,437, I. Langmuir, Electron discharge apparatus; 1,211,217, same, Electron discharge apparatus and method of operating same; 1,748,026, L. E. Mitchell, Electron discharge device; 1,374,679, J. R. Pratt, Degasifying process; 1,855,885, A. W. Hull, Electron discharge device, D. C., R. I., Doc. 456. *Radio Corp. of America et al* v. *A. S. Friedman (Blackstone Radio Tube Mfg. Co.).* Dismissed April 30, 1935.

1,558,437. (See 1,537,708.) 1,618,417. (See 1,361,143.)

1,627,808. (See 1,414,527.) 1,654,167. (See 1,411,786.)

1,658,594. (See 1,361,143.)

1,662,712, 1,949,970, C. F. Mensing, Golf club, filed April 30, 1935, D. C., S. D. N. Y., Doc. E 80/183. *Limbershaft Golf Club Co. et al.* v. *A. G. Spaulding & Bros.*

1,672,233. (See 1,432,867.)

1,706,471, Woodman & Smith, Removable head for metal containers; 1,792,280, 1,792,281, V. E. Cornell, Metallic receptacle and closure therefor, filed April 13, 1935, D. C., N. D. Ill., E. Div., Doc. 14,411. *Cornell Securities Corp. et al.* v. *Wilson & Bennett Mfg. Co.*

1,718,245, 1,718,246, J. T. McGarry, Railway water column, D. C., S. D. Ohio, W. Div., Doc. E 910. *J. T. McGarry* v. *The American Valve & Meter Co. et al.* Bill and counter-claim dismissed (notice May 1, 1935).

1,718,246. (See 1,718,245.)

1,722,944, 1,904,077, B. C. Place, Securing trim panels, filed April 29, 1935, D. C., E. D. Mich. (Detroit), Doc. 6955. *G. E. Gagnier et al.* v. *Woodall Industries, Inc., et al.*

1,724,542, J. Zabel, Fur brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, D. C., S. D. N. Y., Doc. E 79/324. *Reliable Machine Works, Inc.*, v. *H. Shapiro et al.* Consent decree for plaintiff (notice April 30, 1935).

1,725,556. (See 1,361,143.) 1,725,574. (See 1,361,143.)

1,736,815. (See 1,537,708.) 1,748,026. (See 1,537,708.)

1,776,114. (See 1,724,542.)

1,778,352, F. E. Bruce, Wood flooring; 1,925,068, M. Gray, Floor; 1,925,070; W. F. Livezey, Laying wood block flooring, filed April 17, 1935, D. C. Del., Doc. E 1113. *Daniels & Schuck, Inc.*, v. *E. L. Bruce Co.*

1,784,523. (See 1,411,786.) 1,792,280. (See 1,706,471.)

1,792,281. (See 1,706,471.) 1,796,410. (See 1,414,527.)

1,811,095. (See 1,432,867.) 1,816,574. (See 1,411,786.)

1,850,981. (See 1,432,867.) 1,855,885. (See 1,537,708.)

1,890,365, R. L. Blanchard, Full collapsible panic proof revolving door; 1,514,851, F. L. Gormley, Speed control for revolving doors, C. C. A., 2d Cir., Doc. 13,531-2, *Van Kannel Revolving Door Co.* v. *General Bronze Corp.* Decree reversed (notice May 6, 1935).

1,890,531. (See 1,414,527.) 1,891,028. (See 1,414,527.)

1,891,136, 1,891,137, Beck & Whittaker, Street illumination; 1,977,612, 1,977,613, same, Street lighting luminair; 1,977,614, same, Electric street lighting bulb, filed Mar. 29, 1935, D. C. Del., Doc. E 1108. *Duro Test Corp.* v. *Welsbach Street Lighting Co. of America et al.*

1,891,137. (See 1,891,136.) 1,904,077. (See 1,722,944.)

1,905,308. (See 1,414,527.) 1,919,652. (See 1,266,021.)

1,925,068. (See 1,778,352.) 1,925,070. (See 1,778,352.)

1,949,970. (See 1,662,712.) 1,977,612. (See 1,891,136.)

1,977,613. (See 1,891,136.) 1,977,614. (See 1,891,136.)

1,987,525. M. P. Chaplin, Fragile article support; 1,429,207, Koppelman & Cooper, Packing for fragile articles; 1,445,780, Mann & Koppelman, Packing for eggs, suit for declaratory judgment filed Mar. 21, 1935, D. C. Del., Doc. E 1104. *Keyes Fibre Co.* v. *Patent Royalties Corp. et al.*

Re. 15,140. (See 1,247,540.)

Re. 15,278. (See 1,537,708.)

Disclaimers

1,850,047.—*Eugene P. Bachman* and *Willy H. Lasch*, Philadelphia, Pa. METHOD AND APPARATUS FOR TREATING OR MOISTENING YARN. Patent dated March 15, 1932. Disclaimer filed May 29, 1935, by the assignee, *The Atwood Machine Company.*

Hereby disclaims:

(1) Claim 5 in its entirety; and

(2) From the scope of claims 1 to 3, inclusive, all methods of conditioning yarn except those wherein the liquid conditioning medium is fed under pressure and continuously to the inner surface of the yarn package until penetration of the package by the liquid has been completed as indicated by the appearance of moisture on the outer surface of the package.

1,899,426.—*Winfield Scott*, Nitro, W. Va. AGE RESISTING VULCANIZED RUBBER PRODUCT. Patent dated February 28, 1933. Disclaimer filed May 31, 1935, by the assignee, *The Rubber Service Laboratories Company.*

Hereby disclaims that part of the claim in said specification which appears therein as claims 1, 2, 5, 6, and 8.

Your petitioner further says that the subject matter not herein and hereby disclaimed is definitely distinguish-

able from the part or parts disclaimed herein and is truly and justly the invention of said Winfield Scott and is a material and substantial part of the thing patented.

1,901,296.—*Hakon H. Hagland*, Flushing, N. Y. MULTIPLEX TELEGRAPH SYSTEM. Patent dated March 14, 1933. Disclaimer filed June 1, 1935, by the patentee, the assignee, *The Western Union Telegraph Company*, assenting.

Hereby disclaims the system defined in claim 47 of said patent, No. 1,901,296, except when limited to read upon the disclosure of said patent and wherein "said resistance element" is arranged to be connected in both the input and output circuits of the electric discharge device.

1,923,866.—*Ingenuin Hechenbleikner*, Charlotte, N. C. SULPHUR BEARING ORE FURNACE. Patent dated August 22, 1933. Disclaimer filed May 21, 1935, by the assignee, *Chemical Construction Corporation*.

Hereby enters this disclaimer to claims 3, 7, 13, and 14 of said patent reading as follows:

"3. A furnace for burning sulphur bearing ore to produce sulphur dioxide for sulphuric acid manufacture comprising a combustion chamber, means for introducing a spray of sulphur bearing ore fines into said combustion chamber, means for heating an oxidising medium to relatively high temperatures, and means for introducing the said heated oxidizing medium into co-mixing relation with said spray for combustion of said spray and for the production of sulphur dioxide gases."

"7. A furnace for burning sulphur bearing ore to produce sulphur dioxide for sulphuric acid manufacture comprising a vertically elongated combustion chamber including top, intermediate, and bottom portions, a spray nozzle arranged at the top portion of said combustion chamber, means for feeding a stream of sulphur bearing ore fines, means for inter-mixing a heated oxidizing medium with said stream of ore fines for combustion of said spray and for the production of sulphur dioxide gases, means at the intermediate portion of said combustion chamber defining an exit for the combustion gases, and the bottom portion of said combustion chamber being arranged for collecting and discharging the ore cinders."

"13. A furnace for burning sulphur bearing ore to produce sulphur dioxide for sulphuric acid manufacture comprising a vertically elongated combustion chamber including top, intermediate, and bottom portions, a spray nozzle arranged at the top portion of said combustion chamber, means for feeding a stream of sulphur bearing ore fines into said spray nozzle and producing a spray of said ore fines, means for feeding a stream of air with said stream of ore fines, means for feeding a stream of air with said stream of ore fines for combustion of said spray in order to produce sulphur dioxide gases, means at the intermediate portion of said combustion chamber defining an exit for the desired combustion gases, the bottom portion of said combustion chamber being arranged for collecting and discharging the ore cinders and impurities remaining after the combustion of the sulphur.

"14. A furnace for burning sulphur bearing ore to produce sulphur dioxide for sulphuric acid manufacture, comprising a vertically disposed greatly elongated combustion chamber including top, intermediate, and bottom portions, means at the top portion of said combustion chamber for feeding sulphur bearing ore fines into said combustion chamber, means for introducing a stream of an oxidizing medium into said chamber for combustion of said ore and for the production of sulphur dioxide gases, an exit duct for the combustion gases at the intermediate portion of the chamber, the bottom portion of said chamber being shaped to act as a hopper for the collection and discharge of ore cinders."

1,961,154.—*William A. MacDonald*, Little Neck, N. Y. WAVE SIGNALING SYSTEM. Patent dated June 5, 1934. Disclaimer filed May 29, 1935, by the patentee, the assignee, *Hazeltine Corporation*, assenting.

Enters this disclaimer to claims 2, 8, 9, 10, 21, 22, 23, and 25 of said patent which are in the following words:—

"2. A high frequency electrical coupling system having input and output terminals for interconnecting successive portions of a multi-stage thermionic radio receiver, comprising, at least one resonant circuit tunable throughout a frequency range, and fixed impedance means included in said coupling system producing effects so variable with frequency as to render the selectivity of said coupling system when tuned to a frequency adjacent the upper limit of said tunable range substantially equal to the selectivity of said coupling system tuned to a frequency adjacent the lower limit of said tunable range."

"8. A high frequency electrical coupling system including at least one resonant circuit tunable throughout a frequency range, and fixed impedance means included in said resonant circuit producing effects so variable with frequency as to minimize changes in selectivity of said coupling system as the tuning is adjusted throughout said frequency range.

"9. A high frequency electrical coupling system including at least one resonant circuit tunable throughout a frequency range, and energy dissipating impedance means decreasing in dissipative effect with increase in frequency included in said resonant circuit for reducing variations in selectivity of said coupling system throughout said tunable range.

"10. A high frequency electrical coupling system including at least one resonant circuit tunable throughout a frequency range, and fixed impedance means comprising resistance shunted by capacity serially interposed in said resonant circuit for reducing variations in selectivity of said coupling system as the tuning is adjusted throughout said frequency range."

"21. A high frequency electrical coupling system comprising a resonant circuit, means for variably tuning said system over a range of frequency and means for causing the power factor of said system to increase when the frequency to which said system is tuned decreases.

"22. A high frequency electrical coupling system comprising a resonant circuit, means for variably tuning said system over a range in frequency and means for introducing resistance into said circuit which effectively increases in magnitude with decreasing frequency.

"23. A high frequency electrical coupling system comprising a tunable circuit, means for variably tuning said circuit over a range in frequency, means introducing resistance into said circuit and means automatically varying the effective magnitude of said resistance inversely with respect to the tuning frequency, whereby a substantially constant degree of selectivity is maintained over said frequency range."

"25. A high frequency electrical coupling system tunable throughout a range in frequency, adapted to interconnect successive portions of a multi-stage amplifier, said system comprising a primary circuit and a tunable resonant secondary circuit inductively coupled to said primary circuit and means associated with said secondary circuit for introducing losses therein which vary as said circuit is tuned throughout said range, to maintain substantially constant the selectivity of said system throughout said tunable frequency range."

1,982,566.—*Alexander G. Belford*, Laconia, N. H. TWO-FEED CIRCULAR KNITTING MACHINE. Patent dated November 27, 1934. Disclaimer filed May 29, 1935, by the assignee, *Scott & Williams, Incorporated*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"3. In a circular knitting machine having independent needles, two needle cams having conflicting operating positions, in combination with means to shift said cams into and out of their operative positions."

"5 In a circular knitting machine having independent needles, a plurality of needle operating cams having conflicting operating positions and means operating said cams on relatively angularly disposed paths to replace one cam by the other."

1,994,835. *Charles F. Bowen*, Hillsboro, Ohio. MAKING FILLED SURFACE PAPER. Patent dated January 23, 1934. Disclaimer filed May 29, 1935, by the assignee, *The Champion Coated Paper Company*.

Hereby enters this disclaimer to claim 7 which is in the following words, to wit:

"7. In paper treating apparatus, means for applying an excess of aqueous mineral coating composition to a web of paper, means for moving the paper longitudinally and a rounded leveling device to contact with the coated side of the paper to remove excess coating composition and leave residual coating composition in the surface of the paper, said leveling device having a radius of curvature of not more than 5/32 inch at the point where the paper leaves the scraper and a greater radius of curvature at the point where the paper first contacts the leveling device."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 18, 1935

[VOL. 455. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

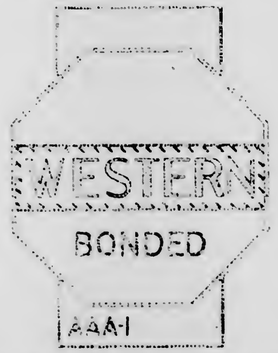
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 362,276. TROPPE BROTHERS, New York, N. Y. Filed Mar. 8, 1935.



"Bonded" and "AAA-1" are disclaimed apart from the mark as shown.

For Fur Skins.

Claims use since February, 1935.

Ser. No. 363,367. LEWMAC FURS, INC., New York, N. Y. Filed Apr. 3, 1935.



The words "Seal Dyed Coney" are disclaimed apart from the mark.

For Chemically Prepared Skins of Coney, Rabbit, Marmot, and Muskrat, Natural, Dressed, and Dyed, for Use in the Manufacture and Fashioning of Coats and Like Wearing Apparel.

Claims use since Oct. 1, 1934.

Ser. No. 363,368. LEWMAC FURS, INC., New York, N. Y. Filed Apr. 3, 1935.



The words "Seal Dyed Coney" are disclaimed apart from the combined features as shown.

For Chemically Prepared Skins of Coney, Rabbit, Marmot, and Muskrat, Natural, Dressed, and Dyed, for Use in the Manufacture and Fashioning of Coats and Like Wearing Apparel.

Claims use since Oct. 1, 1934.

Ser. No. 363,734. RICHARD YOUNG COMPANY, New York N. Y. Filed Apr. 13, 1935.



No claim is made to the word "Tanned" apart from the mark.

For Leather.

Claims use since Dec. 19, 1934.

Ser. No. 364,598. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed May 6, 1935.

GELVA

For Synthetic Resinous Material.

Claims use since Sept. 7, 1929.

CLASS 2

Receptacles

Ser. No. 363,407. SCHNEFEL BROTHERS, INC., Newark N. J. Filed Apr. 4, 1935.

La Cross

For Empty Vanity Cases of Leather, Cellulose, Fibre, Imitation Leather, and Base Metal and Containers for Same.
Claims use since 1922.

Ser. No. 363,774. VORTEX CUP COMPANY, Chicago, Ill. Filed Apr. 15, 1935.

TO YOUR HEALTH

For Paper Cups.
Claims use since Jan. 3, 1935.

Ser. No. 364,661. BRUNT & COMPANY, Chicago, Ill. Filed May 8, 1935.

TITAN

For Crates Constructed of Plain or Corrugated Fiber Board and Reinforced by Wood Cleats, Wires, and Other Material.
Claims use since Dec. 10, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 362,894. S. WHITE & CO., INC., Stamford, Conn. Filed Mar. 22, 1935.

"C"Sharp

For Stropper Dressing.
Claims use since Mar. 13, 1935.

Ser. No. 363,282. FREDERICK GUMM CHEMICAL CO. INC., Union City, N. J. Filed Apr. 1, 1935.

CLEPO — OUR SERVICE IS AN INVESTMENT

The words "Our Service Is an Investment" are disclaimed apart from the mark. The letters CLEPO form the word "Clepo."
For Industrial Surface Cleaning Preparation—Namely, Chemical Cleaning Compound for the Walls and Surfaces of Buildings.
Claims use since Apr. 24, 1933

Ser. No. 363,555. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Apr. 9, 1935

PALMOLIVE

Applicant is the owner of Registered Trade-Mark No. 102,862. The representation of a cake of soap is disclaimed per se. The drawing is lined for shading.
For Toilet Soap.
Claims use since June, 1890.

Ser. No. 363,594. LESTER E. MAX, doing business as Sparkling Company, Cincinnati, Ohio. Filed Apr. 10, 1935.

SPARKLING METAL POLISH

Applicant disclaims the words "Metal Polish" and "Trade Mark" except as shown.
For Metal Polish.
Claims use since Apr. 6, 1935.

Ser. No. 363,863. THE JARED HOLT CO., Albany, N. Y. Filed Apr. 17, 1935.

Slik

For Polishes, Dressings, and Cleaners for Shoes.
Claims use since Dec. 17, 1934.

CLASS 5

Adhesives

Ser. No. 358,647. GEORGE LITTIG, Sacramento, Calif. Filed Nov. 26, 1934.

G. LITTIG'S



WON'T LET GO
GRIP HOLD

The words "Grip Hold" are disclaimed apart from the mark
For Adhesive Paste.
Claims use since Oct. 1, 1934.

Ser. No. 362,501. ERNEST WHITEMAN, doing business as Firestone Mendal Cement Co., Detroit, Mich. Filed Mar. 13, 1935.

Firestone MENDAL

No claim is made to the word "Mendal" apart from the mark shown.
For Adhesive Cement for Mending China, Glass, Crockery, Leather, Bakelite, Bric-a-Brac, Furniture, and Woodwork.
Claims use since Feb. 15, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 345,983. SEIDLAX COMPANY OF AMERICA, Vineland, N. J. Filed Jan. 12, 1934.

SEIDLAX

For Alkaline Laxatives.
Claims use since July 15, 1933.

Ser. No. 350,797. ALEXANDRE GIMONET, Arrochar, Staten Island, N. Y. Filed May 2, 1934.

CREAM TEX

The word "Cream" is disclaimed apart from the mark as shown.
For Cosmetics—Namely, Lipsticks.
Claims use since Mar. 19, 1934.

Ser. No. 357,382. ARTHUR A. MARTY, doing business as Selene Laboratories, Inc., Milwaukee, Wis. Filed Oct. 22, 1934.

SELENE

For Toilet Water, Cosmetics—Namely, Cleansing and Tissue Creams, Skin Tonic, and Permanent Wave Solution.
Claims use since Oct. 11, 1934.

Ser. No. 359,198. E. T. BEDFORD, Long Island City, N. Y. Filed Dec. 12, 1934.

SILVER SENTRY

For De-Hydrating Atmosphere Desiccating Compound for Preventing Silver from Tarnishing.
Claims use since Nov. 5, 1934.

Ser. No. 359,915. WILLIAM KAUFMAN, doing business as Kay Laboratories, New York, N. Y. Filed Jan. 4, 1935.

IOPINE

For Pharmaceutical Preparations, to-wit, Nose Drops for Nasal Catarrh and Colds.
Claims use since Dec. 7, 1934.

Ser. No. 360,101. MILDRED MANES, Chicago, Ill. Filed Jan. 10, 1935.

Lucia Deraine

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity

Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Skin Whitener in Liquid and Solid Form, Face Packs, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disenfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Nov. 16, 1934.

Ser. No. 360,525. THE COLORADO FUEL AND IRON PRODUCTS COMPANY, Denver, Colo. Filed Jan. 22, 1935.

SILVER TIP

For Toluol, Xylol, Benzol, and Creosote Obtained in the Process of Coal Tar Distillation.

Claims use since Aug. 14, 1934.

Ser. No. 361,004. HENRY M. FAUCETTE, Durham, N. C. Filed Feb. 4, 1935.

NATURES TONIC

OCCONEECHEE



BLOOD PURIFYER

Applicant makes no claim to the words "Natures Tonic Blood Purifyer" apart from the mark shown.

For Blood Purifying Tonic Recommended for the Treatment of Cancer, Eczema, Pellagra, Ulcers and Skin Infections.

Claims use since March, 1881.

Ser. No. 361,241. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed Feb. 9, 1935.

Vagiserol

For Vaginal Ointment Used in the Treatment of Leukorrhea.

Claims use since since December, 1934.

Ser. No. 361,679. MABLE I. HOOD, doing business as Arborol Chemical Company, San Francisco, Calif. Filed Feb. 21, 1935.

ARBOROL

For Medicinal Preparation in Ointment or Liquid Form for Treating Certain Diseases and Conditions, Such as Spraying the Nose, Throat and Ears, in the Treatment of Colds, Hay Fever, Catarrhal Deafness and the Like.

Claims use since Jan. 15, 1935.

Ser. No. 362,444. MORRIS STEIN, New York, N. Y. Filed Mar. 12, 1935.

TRYKO

For Medicated Liquid Foot Preparation for Athlete's Foot and Similar Foot Ailments.

Claims use since Feb. 14, 1935.

Ser. No. 362,457. DET DANSKE MEDICINAL-& KEMIKALIE-KOMPAGNI A/S, Copenhagen, Denmark. Filed Mar 13, 1935.

PYLORIN

For Preparation for Use in the Treatment of Pernicious Anemia.

Claims use since December, 1933

Ser. No. 362,541. THE WARREN TEED PRODUCTS CO., Columbus, Ohio. Filed Mar. 14, 1935.

Di-O-Chrome

Applicant disclaims the expression "Chrome" apart from the form and association shown.

For Antiseptic Solution Usable as a Gargle and Mouthwash

Claims use since June 22, 1931.

Ser. No. 362,634. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Mar. 16, 1935.

Dr Scholl's Double Duty Corn Kit

No rights are claimed for the words "Korn Kit" apart from the mark shown.

For Medicated Corn Plasters and Pads, and Corn Salve.

Claims use since Jan. 3, 1928.

Ser. No. 362,859. MAX AGNUSS, New York, N. Y. Filed Mar. 22, 1935.

MYL

For Cosmetics Such as Facial Packs

Claims use since Feb. 1, 1935

Ser. No. 363,184. PITMAN-MOORE COMPANY, Indianapolis, Ind. Filed Mar. 29, 1935.

HEPA-FERRIN

No claim is made to the word "Ferrin" alone.

For Liquid Medicinal Tonic for Stimulating Formation of Red Blood Corpuscles and Supplying Iron for Increasing Hemoglobin.

Claims use since Feb. 25, 1935.

Ser. No. 363,187. SMITH, KLINE AND FRENCH LABORATORIES, Philadelphia, Pa. Filed Mar. 29, 1935.

FESOFOR

For Preparation for the Relief of Anemia.

Claims use since Mar. 12, 1935.

Ser. No. 363,189. S CONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 29, 1935.

Hydrotone

For Composition for Preventing Corrosion and Scale in Engine Cooling Systems.

Claims use since Mar. 21, 1935.

Ser. No. 363,211. THE FARGASON COMPANY, INC., Evansville, Ind. Filed Mar. 30, 1935.

PASCO

For Cleansing Compound Having Incidental Properties as a Water Softener.

Claims use since 1905.

Ser. No. 363,242. JOHN SUNSHINE CHEMICAL CO., INC., Chicago, Ill. Filed Mar. 30, 1935.

MITEE

For Drain Pipe Cleaner, Closet Bowl Cleaner Having a Chemical Action Similar to a Drain Pipe Cleaner, Soot Destroyer Preparation, Boiler Scaling Compound, Boiler Cleaner, Boiler Liquid, and Soldering Paste.

Claims use since Jan. 20, 1933.

Ser. No. 363,298. SOCIÉTÉ DE RECHERCHES ET D'EXPLOITATIONS PÉTROLIFÈRES, Paris, France. Filed Apr. 1, 1935.

ACTICARBONE

For Activated Carbon or Activated Charcoal for Absorbent or Decolorizing Purposes.

Claims use since Sept. 2, 1927.

Ser. No. 363,350. FRANK H. VORHEES, doing business as Vor-Sal Laboratories, Chicago, Ill. Filed Apr. 2, 1935.

VOR-SAL

The drawing is lined for red.

For Tooth Powder.

Claims use since Aug. 15, 1934

Ser. No. 363,459. HILLIARD PRODUCTS COMPANY, INC., Wilmington, Del. Filed Apr. 6, 1935.

MINESE

For Antiseptic Solutions and Compounds.

Claims use since Mar. 10, 1935.

Ser. No. 363,750. WILLIAM H. DUDLEY, doing business as Myrnol Products Company, Santa Monica and Los Angeles, Calif. Filed Apr. 15, 1935.

MYRNOL

For Nose Drops.

Claims use since Mar. 8, 1935.

Ser. No. 363,753. GABRIELEEN COMPANY, INC., Chicago, Ill. Filed Apr. 15, 1935.

GLO-TONE

For Permanent Waving Compound.

Claims use since September, 1924.

Ser. No. 363,877. MERRIMAC CHEMICAL COMPANY, Everett, Mass. Filed Apr. 17, 1935.

FERRISUL

For Water Soluble Salts of Iron Sulfate Capable of Use in the Filtering of Water, Congulation of Sewage, etc.

Claims use since Dec. 20, 1932.

Ser. No. 363,878. MERRIMAC CHEMICAL COMPANY, Everett, Mass. Filed Apr. 17, 1935.

NERTANOL

For Chemicals in the Tanning and Treatment of Leather.

Claims use since Sept. 10, 1931.

Ser. No. 363,965. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 19, 1935.

SHOO-MOTH

For Insecticide.

Claims use since Mar. 23, 1935.

Ser. No. 363,985. RARE CHEMICALS, INC., Nepera Park, N. Y. Filed Apr. 19, 1935.

SILCHROME

For Diagnostic and Quantitative Reagent for the Determination of Chlorine in Milk and Other Liquids Containing Chlorides.

Claims use since Mar. 12, 1935.

Ser. No. 364,086. THE CENTRAL PHARMACAL COMPANY, Seymour, Ind. Filed Apr. 23, 1935.

ORBIMIN

For Medicinal Preparation for Syphilis.

Claims use since Mar. 15, 1935.

Ser. No. 364,244. PACIFIC COAST BORAX COMPANY, New York, N. Y. Filed Apr. 26, 1935.



For Borax, Boric Acid, Boric Acid Spangles, Borax Compounds Used for Antiseptic Purposes, and Talcum Powder.

Claims use since 1904 on talcum powder; September, 1891 on remaining goods.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 362,684. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed Mar. 18, 1935.

VEST-PAK

The word "Pak" is disclaimed apart from the mark as shown.

For Tobacco Pouches.

Claims use since Feb. 14, 1935.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 357,581. AMERICA'S OWN MATCH COMPANY, New York, N. Y., assignor to Amtorg Trading Corporation, New York, N. Y., a corporation of New York. Filed Oct. 27, 1934.

OKEH

For Safety Matches.

Claims use since May 1, 1934.

CLASS 11

Inks and Inking Materials

Ser. No. 359,916. S. H. KRESS & CO., New York, N. Y. Filed Jan. 4, 1935.

KREKO

For Inks, Typewriter, Ribbons, Carbon Papers, and Inked Stamp Pads.

Claims use since Aug. 1, 1934.

CLASS 12

Construction Materials

Ser. No. 361,234. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Feb. 9, 1935.

STARLOK

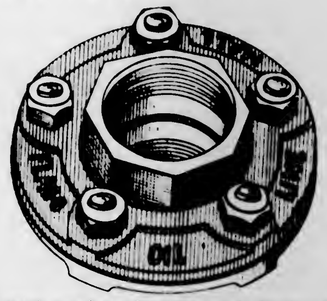
For Asphalt Shingles.

Claims use since 1930.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 362,775. STANLEY G. FLAGG & CO., INC., Philadelphia, Pa. Filed Mar. 20, 1935.

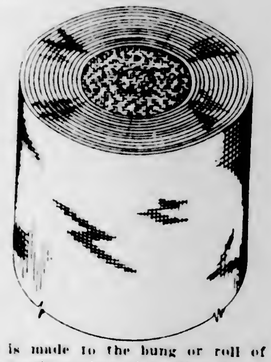


Trade-mark consists of a broad red circular band applied directly to a flange of the union extending completely around the same and the word "Flagg". No claim is made, apart from the mark shown, to the words "Oil Line Mall" nor to the representation of the union per se.

For Ground Joint Flange Unions.

Claims use since February, 1926.

Ser. No. 364,697. REYNOLDS WIRE CO., Dixon, Ill. Filed May 9, 1935.



No claim is made to the bung or roll of wire cloth per se. The mark consists of a yellow disc.

For Wire Cloth.

Claims use since December, 1915.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 360,200. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Jan. 14, 1935.



For Cobalt, Chromium Alloy.

Claims use since July 8, 1933.

Ser. No. 362,824. I. C. I. METALS, LIMITED, London, England. Filed Mar. 21, 1935.

KUNIAL

For Nonferrous Alloys in Which Copper Predominates, in Sheets, Rods, Bars, and Tubes.

Claims use since Nov. 30, 1933.

Ser. No. 364,102. P. R. MALLORY & CO., INCORPORATED, Indianapolis, Ind. Filed Apr. 23, 1935.

MALLORY 3

For Alloys Comprising Copper Alloys and Metal Alloys Generally Having a Base of a Highly Conductive Metal.

Claims use since Apr. 13, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 358,334. THE PURE OIL COMPANY, Chicago, Ill. Filed Nov. 17, 1934.

Purol

For Dry, Paste and Ready Mixed Paints, Paint Enamels, Lacquers, and Varnishes.

Claims use since March, 1932.

Ser. No. 363,148. ANDERSON-STOLZ CORPORATION, Kansas City, Mo. Filed Mar. 29, 1935.

ESTERITE

For Ready Mixed Paints.

Claims use since Mar. 14, 1935.

Ser. No. 363,233. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, INC., Philadelphia, Pa. Filed Mar. 30, 1935.

AQUAPLEX

For Paint Paste.

Claims use since Mar. 11, 1935.

Ser. No. 363,842. BAER BROTHERS, New York, N. Y. Filed Apr. 17, 1935.

ELECTRA

For Paint Enamels.

Claims use since Apr. 1, 1935.

CLASS 17

Tobacco Products

Ser. No. 364,282. J. GORDON FISHER ESTATE, doing business as Fisher Brothers, Hanover, Pa. Filed Apr. 27, 1935.

BIG DIAMOND

For Chewing and Smoking Tobacco.

Claims use since May 8, 1934.

Ser. No. 362,249. AUSTIN TRAILER EQUIPMENT CO., Muskegon, Mich. Filed Mar. 8, 1935.

GRAVITY CUSHIONED

The word "Cushioned" is disclaimed apart from the mark shown.

For Tractor-Trailer Fifth Wheels.

Claims use since Feb. 1, 1934.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 336,633. AUBURN SPARK PLUG COMPANY, INC., Auburn, N. Y. Filed Apr. 11, 1933.

VICTOR

For Spark Plugs.

Claims use since Apr. 1, 1932.

Ser. No. 357,790. WASHINGTON INSTITUTE OF TECHNOLOGY, Washington, D. C. Filed Nov. 1, 1934.

K-A-X

For Electrical Apparatus for Maintaining Constant Phase and Amplitude Relations Between Currents and/or Voltages in Interconnected Elements of Electric Circuits.

Claims use since Oct. 23, 1934.

Ser. No. 363,576. BOND ELECTRIC CORPORATION, Jersey City, N. J. Filed Apr. 10, 1935.

FRANCO

For Electric Lanterns, Electric Flashlights, Electric Searchlights, Electric Candles, Flashlight Batteries, Dry "A", "B", "C" Batteries for Radio, Wet "A", "B", "C" Batteries for Radio, Storage Batteries for Radio, Storage Batteries for Automobiles, Radio Power Units, "A", "B", and "C" Eliminators, Dry Cells for Radio, Dry Cells for Ignition, Dry Cells for Telephones, Dry Cells of Multiple Types, Radio Electron Tubes, Condensers, and Storage-Battery Chargers.

Claims use since 1908.

Ser. No. 364,461. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 1, 1935.

INERTEEN

For Electrical Condensers.

Claims use since Feb. 2, 1935.

Ser. No. 364,472. DELCO PRODUCTS CORPORATION, Dayton, Ohio. Filed May 2, 1935.

Delco

For Dynamo Electric Machines, Motors, Condensers, Switches, and Circuit Breakers, and Parts Thereof, Other Than Those Used with Electrical Equipment for Vehicles and with Internal Combustion Engines.
Claims use since February 1931.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 363,008. MOLLY-'ES DOLL OUTFITTERS, INC., Philadelphia, Pa. Filed Mar. 26, 1935.



RAGGEDY ANN

For Dolls, Doll Clothes, Toys, and Novelties.
Claims use since November 1934.

Ser. No. 363,202. CARLING-LARRABEE COMPANY., Hollywood, Calif. Filed Mar. 30, 1935.

Carlo

For a Game of the Type Wherein Playing Pieces are Dispensed or Otherwise Brought into View From a Game Pieces Holder in Such a Way as to Form Various Permutation and Combinations Determined Solely by Chance, said Game Being Played by that Prior to Each Cycle of Play a Player Attempts to Guess at Not Only Which Game Pieces Will Be Dispensed from the Holder or Brought into View, but also Their Order of Dispensation, the Game Pieces Holder Being Arranged so that the Order of Dispensation of the Game Pieces for Each Cycle of Play May Be Preserved.
Claims use since Feb. 28, 1935.

Ser. No. 363,290. MOLLY-'ES DOLL OUTFITTERS, INC., Philadelphia, Pa. Filed Apr. 1, 1935.



HOLLYWOOD CINEMA FASHIONS FOR DOLLS

All words except the name "Molly-'es" are disclaimed apart from the mark shown.
For Dolls and Doll Clothes.
Claims use since March, 1935.

Ser. No. 363,890. PARAGON RUBBER CORPORATION, New York, N. Y. Filed Apr. 17, 1935.

Wee Wee

For Dolls.
Claims use since Mar. 15, 1935.

Ser. No. 363,927. S. B. LAVICK CO., Chicago, Ill. Filed Apr. 18, 1935.

Swank

No claim is made to the representation of a label per se.
For Leather Bridge Sets Consisting of Two Decks of Cards, a Score Pad, a Pencil and Leather Case for Same; and Leather Playing Card Sets Consisting of a Deck of Cards in a Leather Case.
Claims use since Apr. 5, 1935.

Ser. No. 364,722. IDEAL NOVELTY & TOY CO., Long Island, City, N. Y. Filed May 9, 1935.

CURLY TOP

For Dolls.
Claims use since May 1, 1935.

Ser. No. 364,723. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed May 9, 1935.

OUR LITTLE GIRL

For Dolls.
Claims use since May 1, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 330,450. THE CHAMPION HARDWARE COMPANY., Geneva, Ohio. Filed Sept. 19, 1932.

CHAMPION

For Vises, Clamps, Sad Iron Handles, Fruit Jar Wrenches, Pliers, Box Openers, Carpenter's Pinchers, File Handles, Hammers.
Claims use since 1883.

Ser. No. 358,783. HERMANN NIER., Bielefeld, Germany. Filed Nov. 30, 1934.

FEUERHAND

For Devices in the Nature of Attachments for Machines of Various Types for Protecting the Fingers of Persons Feeding or Manipulating the Same.
Claims use since Apr. 3, 1934.

Ser. No. 363,264. BAR MASTER INC., Seattle, Wash. Filed Apr. 1, 1935.

BAR MASTER

For Equipment for the Dispensing of Effervescent or Gas-Charged Liquids, Consisting of a Dispensing Head, Gas Pressure Creating Means as Compressors, Gas Storage Tanks, Beer Drain Arrangements.
Claims use since Jan. 16, 1935.

Ser. No. 363,376. SMITH-JOHNSON CORPORATION, Los Angeles, Calif. Filed Apr. 3, 1935.

SENACON

For Lubrication Equipment, Particularly Grease Guns.
Claims use since Feb. 14, 1935.

Ser. No. 364,483. PHILADELPHIA LAWN MOWER CO., INC., Philadelphia, Pa. Filed May 2, 1935. Under 10-year proviso.

"PHILADELPHIA"

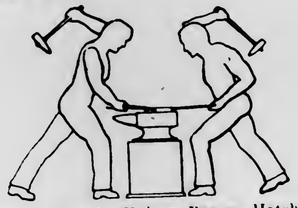
For Lawn-Mowers, Lawn-Sweepers, Lawn-Trimmers, and Grass-Collectors.
Claims use since Feb. 23, 1869.

Ser. No. 364,490. UNIVERSAL WINDING COMPANY, Cranston, R. I., and Boston, Mass. Filed May 2, 1935.

RAYSILK

For Machines, Apparatus, and Parts Thereof for Winding and Handling Thread, Yarn, Cord, Twine, Rope, Wire, and the Like.
Claims use since December 1934.

Ser. No. 364,541. GENEVA FORGE, INC., Geneva, N. Y. Filed May 4, 1935.



For Cutlery—Namely, Knives, Razors, Hatchets, Axes, and Pocket Knives.
Claims use since Dec. 1, 1934.

Ser. No. 364,594. SAFETY MINING COMPANY, Chicago, Ill. Filed May 6, 1935.



For Charging Plants for Filling Nondestructible Cartridges Used for Blasting Purposes, and Parts Thereof, Including Charging Clamps for Connecting Cartridges to the Charging Plants.
Claims use since Apr. 12, 1935.

Ser. No. 364,595. SAFETY MINING COMPANY, Chicago, Ill. Filed May 6, 1935.

CARDOX

For Charging Plants for Filling Nondestructible Cartridges Used for Blasting Purposes, and Parts Thereof, Including Charging Clamps for Connecting Cartridges to the Charging Plants.
Claims use since Apr. 12, 1935.

Ser. No. 364,624. FLYNN MANUFACTURING CORP., Alexandria, La. Filed May 7, 1935.

SURGRADER

For Road Graders.
Claims use since June 1932.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 362,021. THE ELECTRIC HEAT CONTROL COMPANY, Cleveland, Ohio. Filed Mar. 1, 1935.

KING

For Suppressor Testers; Spark Plug Testers; Generator, Starter, Cut-Out, and Voltage Regulator Test Units; Condenser Testers; Motor and Ignition Testers; Combination Coil and Condenser Testers; Ignition Coil Testers; Armature Testers; Ignition Coil Preheaters Used in Connection With Ignition Coil Testers; Test Stands for Testing Automobile Engines; Battery Testers; Battery Cell Testers; Battery Chargers; Vacuum and Compression Gauges for Use in Engine Testing.
Claims use since October, 1911.

Ser. No. 363,360. BEN HUR PRODUCTS, INC., New York, N. Y. Filed Apr. 3, 1935.

SUNNI-KIT

No claim is made to the word "Kit" except as to its appearance with the mark.

For Eye Glasses, Sun Glasses, Spectacles, Goggles, and Framed Lenses.

Claims use since Mar. 1, 1935.

CLASS 27

Horological Instruments

Ser. No. 364,157. WESTERN CLOCK COMPANY, Peru, Ill. Filed Apr. 24, 1935.

TIDE

For Clocks and Watches.

Claims use since Apr. 16, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 364,320. AUTOMATIC CHAIN CO., Providence, R. I. Filed Apr. 29, 1935.

AUTOMADE

For Jewelry for Personal Wear or Adornment not Including Watches.

Claims use since Apr. 15, 1934.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 364,239. O-CEDAR CORPORATION, Chicago, Ill. Filed Apr. 26, 1935.

O-SO-EZY

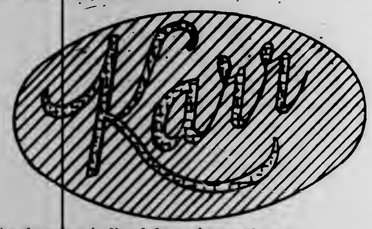
For Mops.

Claims use since Sept. 30, 1913.

CLASS 32

Furniture and Upholstery

Ser. No. 347,912. CHARLES KARR COMPANY, Holland, Mich. Filed Feb. 27, 1934.



The drawing is lined for gold and brown.

For Bedding Articles Such as Mattresses, Spring Assemblies, and Cushions.

Claims use since Jan. 13, 1934.

CLASS 33

Glassware

Ser. No. 349,303. CRESCENT MANUFACTURING CO., Seattle, Wash. Filed Mar. 27, 1934.

VITA-LITE

For Glass Jars—Viz., Light Masking, Transparent Coffee Containers.

Claims use since Jan. 4, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 362,092. THE RALPH M. PARSONS COMPANY, Mount Vernon, Ohio. Filed Mar. 2, 1935.

PARSONS

For Oil Refining Units and Parts Thereof.

Claims use since Oct. 1, 1934.

Ser. No. 364,349. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis. Filed Apr. 29, 1935.

TROPICAL

For Kerosene Stoves and Oil Heaters.

Claims use since June 2, 1925.

Ser. No. 364,659. BORG-WARNER CORPORATION, Chicago, Ill., and Detroit, Mich. Filed May 8, 1935.



For Oil Burners and Parts Thereof.

Claims use since Mar. 27, 1935.

Ser. No. 364,689. ALVIN T. SMITH, Beverly Hills, Hamilton, Md. Filed May 8, 1935.

SMITH OVENS

The word "Ovens" is disclaimed apart from the mark as shown.

For Ovens.

Claims use since May 3, 1935.

CLASS 36

Musical Instruments and Supplies

Ser. No. 364,256. TONK BROS. CO., Chicago, Ill. Filed Apr. 26, 1935.

COMMODORE

For All Band Instruments, Particularly Clarinets, Flutes, Piccolos, Saxophones, Oboes, and Bassoons, Their Casings, Fittings, and Parts.

Claims use since Apr. 16, 1935.

CLASS 37

Paper and Stationery

Ser. No. 362,451. THE ATLAS ANSONIA COMPANY, New Haven, Conn. Filed Mar. 12, 1935.

Dukay

For Stationery Items—Namely, Pens, Pencils, Desk Sets, Blotter Pads, Letter Openers, Pen Sets, Pencil Sets, Desk Pads.

Claims use since Feb. 18, 1935.

Ser. No. 363,308. AKTIESELSKABET H. E. GOSCH & CO'S TÆNDSTIKFABRIKER OG AKTIE-TÆNDSTIKFABRIKEN GODTHAAB, Copenhagen, Denmark. Filed Apr. 2, 1935.



For Pencils.

Claims use since April, 1913.

Ser. No. 364,032. VELDOWN COMPANY, INC., New York, N. Y. Filed Apr. 20, 1935.



EUGENIA

For Cleansing Tissues.

Claims use since April, 1934.

Ser. No. 364,228. CRANE & CO. INC., Dalton, Mass. Filed Apr. 26, 1935.

CRANES POST

For Writing Paper, Envelopes, Tablets, Writing Cards, and Cardboard.

Claims use since Oct. 4, 1934.

CLASS 38

Prints and Publications

Ser. No. 359,159. CHRISTY WALSH, New York, N. Y. Filed Dec. 10, 1934.

ALL-AMERICA BOARD OF SPORTS.

For Heading for Newspaper Articles and All Printed Syndicate Material.

Claims use since October, 1934.

Ser. No. 361,540. PULSE, INC., Indianapolis, Ind. Filed Feb. 18, 1935.

PULSE OF THE NATION

For Periodical Issued Monthly.

Claims use since Dec. 22, 1934.

Ser. No. 363,818. OIL TRADE JOURNAL, INC., New York, N. Y. Filed Apr. 16, 1935.

Oilheating & Air-conditioning MERCHANDISING NEWS

For News Letter or Bulletin.

Claims use since Apr. 9, 1935.

CLASS 39

Clothing

Ser. No. 357,621. CHARMING WOMEN, INC., New York, N. Y. Filed Oct. 29, 1934.

CHARMING WOMEN

For Ladies' Outerwear—Namely, Dresses, Wraps, Skirts, Evening Wraps and Gowns, Coats, Jackets, Suits, Vestees, Blouses, and Waists.
Claims use since Apr. 1, 1934.

Ser. No. 359,950. LEO J. GOLDBERGER, doing business as L. Wohl & Co., New York, N. Y. Filed Jan. 5, 1935.

BIRTHDAY FLOWER FROCKS

No claim is made to the word "Frocks" apart from the mark shown.
For Children's Clothing—Namely, Dresses, Blouses, Play Suits, and Shorts.
Claims use since Dec. 20, 1934.

Ser. No. 360,467. EMPIRE MANUFACTURING CO., Winder, Ga. Filed Jan. 21, 1935.

BLUE BUTTON

No claim is made to the representation of a blue button or a button colored blue apart from the mark shown.
For Work Clothes—Namely, Overalls, Outer One Piece Garments, Shirts, Jumpers, and Pants.
Claims use since Feb. 23, 1933.

Ser. No. 360,794. SAKS & CO., New York, N. Y. Filed Jan. 28, 1935.

Redbrooke

For Men's and Women's Clothing—Namely, Coats, Hats and Underwear.
Claims use since Jan. 10, 1935.

Ser. No. 360,831. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Jan. 29, 1935.

"CAN TAKE IT"

For Coats, Vests, Trousers, Knickerbockers, Top Coats and Overcoats for Men, Youths and Boys.
Claims use since April, 1933.

Ser. No. 361,279. I. MILLER AND SONS, INC., Long Island City, N. Y. Filed Feb. 11, 1935.

TRU WALK

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Dec. 1, 1934.

Ser. No. 361,336. SIMONS, HATCH & WHITTEN COMPANY, Boston, Mass. Filed Feb. 12, 1935.

METROPOLITAN

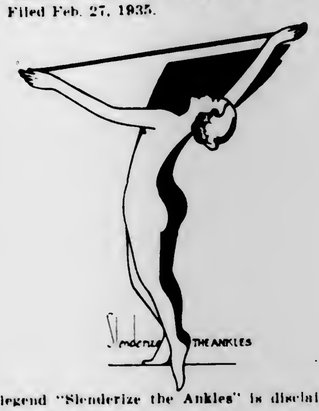
For Negligee and Dress Shirts, Collars, Cuffs, Undershirts, Underdrawers, Union Suits, Sweaters, Bathing Suits, Gloves, and Mittens of Fabric, Leather and Combinations Thereof, Suspenders, Garters, Spats, Belts for Personal Wear, Armbands, Bath Robes, Pajamas, Nightshirts, Mackinaws, Blouses, Underwaists and Shirtwaists, Zipper Jackets, and Raincoats.
Claims use since 1858 on Negligee and Dress Shirts, Collars, and Cuffs; since 1871 on Undershirts, Underdrawers and Union Suits; since 1910 on Sweaters and Bathing Suits; since 1895 on Gloves and Mittens; since 1910 on Suspenders; since 1924 on Garters; since 1931 on Spats; since 1910 on Belts for Personal Wear; since 1924 on Armbands; since 1910 on Bath Robes; since 1928 on Pajamas; since 1858 on Nightshirts; since 1914 on Mackinaws, Blouses and Waists; since 1931 on Zipper Jackets; since 1924 on Raincoats.

Ser. No. 361,843. IRISH ENTERPRISES CORPORATION, New York, N. Y. Filed Feb. 26, 1935.

Blarney Tweed

The word "Tweed" is disclaimed apart from the mark.
For Men's and Boys' Suits, Coats, Trousers and Overcoats.
Claims use since January, 1934.

Ser. No. 361,942. HUTH & JAMES SHOE CO., Milwaukee, Wis. Filed Feb. 27, 1935.



The legend "Slenderize the Ankles" is disclaimed aside from the mark as shown.
For Young Ladies' Shoes Made from a Combination of Leather, Rubber and Fabric.
Claims use since June 10, 1934.

Ser. No. 362,139. HOLLYWOOD KNITTING MILLS, INC., Los Angeles, Calif. Filed Mar. 5, 1935.

Gaucho

For Flannel Sport Shirts for Men, Women and Children.
Claims use since Jan. 3, 1935.

Ser. No. 362,469. GLADDING'S INC., Providence, R. I. Filed Mar. 13, 1935.

Gladbrook

For Sports Coats, Dresses, Suits, Hats, Bathing Suits, Skirts for Outer Wear, and Sweaters, for Women and Children.
Claims use since Feb. 15, 1935.

Ser. No. 362,533. HYMAN SCHLANGER, doing business as Miami Knitting Mills, New York, N. Y. Filed Mar. 14, 1935.

Miami

Applicant makes no claim to the word "Miami" apart from the mark.
For Bathing Suits, Sweaters, and Knitted Outerwear, for Men, Women, and Children, the Specific Articles Covered by the Term Knitted Outerwear Being Caps, Suits, and Capes.
Claims use since Feb. 1, 1931.

Ser. No. 362,614. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 16, 1935.

Director

For Men's and Boys' Dress, Negligee and Work Shirts, Blouses and Pajamas, Made of Woven Fabrics of Cotton, Linen, Silk, Rayon, Wool, or Combinations Thereof.
Claims use since Jan. 15, 1935.

Ser. No. 362,618. HANDICRAFT IMPORT CO. INC., New York, N. Y. Filed Mar. 16, 1935.

Handee

For Children's and Misses' Blouses and Dresses and Children's and Misses' Play Garments.
Claims use since Mar. 15, 1934.

Ser. No. 362,778. GIRL SCOUTS, (INCORPORATED), New York, N. Y. Filed Mar. 20, 1935.

GIRL SCOUT MARINER

For Neckties, Hats, Berets, Bathing Suits, Sweaters, Socks, Uniforms, Belts, Slacks, Middy Blouses, Skirts and Shorts.
Claims use since Oct. 24, 1934.

Ser. No. 362,916. GOLDSTEIN MILLINERY COMPANY, Chicago, Ill. Filed Mar. 23, 1935.

Joal

For Hats for Women, Misses, and Girls.
Claims use since Feb. 1, 1935.

Ser. No. 362,919. MARCUS HAT COMPANY, INC., New York, N. Y. Filed Mar. 23, 1935.

Longchamps

For Women's Wearing Apparel—Namely, Hats, Coats, Skirts, Suits and Capes.
Claims use since Mar. 28, 1932.

Ser. No. 362,988. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Mar. 26, 1935.

Chantelle

For Gloves Made of Leather and Fabric.
Claims use since Mar. 7, 1935.

Ser. No. 363,040. EDWARD PAUL EMANUEL, doing business as New York Dress Manufacturers' Associates, New York, N. Y. Filed Mar. 27, 1935.

STYLEADER

For Ladies' Dresses and Coats.
Claims use since Feb. 13, 1935.

Ser. No. 363,055. THE NEATFORM CO., INC., New York, N. Y. Filed Mar. 27, 1935.

VITA-SLIM

For Corsets, Reducing Foundations, Girdles, Step-In Girdles, Brassières, and Combination Corsets and Brassières.
Claims use since Jan. 11, 1935.

Ser. No. 363,322. THE H. C. GODMAN COMPANY, Columbus, Ohio. Filed Apr. 2, 1935.

META POISE

For Shoes of Leather.
Claims use since Feb. 20, 1935.

Ser. No. 363,390. D. H. GRANT & CO. INC., New York, N. Y. Filed Apr. 4, 1935.

STONEBRIDGE

For Dresses, Outer and Under Skirts, Kimonos, Aprons, Lingerie—Namely, Women's and Misses' Slips, Stepins, Bloomers, and Chemises, Scarfs, Pajamas, Bath Robes, Union Suits, Drawers, Undershirts, Hosiery, Gloves Made of Leather, Rubber, and Fabric, or any Combination Thereof, Sweaters, Bathing Suits for Men, Women, and Children, Dress Shirts, Negligee Shirts, Work Shirts, Collars, Cuffs, and Trousers for Men and Boys.
Claims use since Jan. 17, 1935.

Ser. No. 363,458. ANTHONY P. HAYES, Inglewood, Calif. Filed Apr. 6, 1935.

Toni

For Hats Intended for the Use of Women.
Claims use since Jan. 13, 1932.

Ser. No. 363,525. SCHLOSS BROTHERS & COMPANY, INC., Baltimore, Md. Filed Apr. 8, 1935

STURDIWEVE

For Men's, Young Men's, Boys', and Children's Suits Including Coats, Vests, and Trousers, Raincoats, Overcoats, Topcoats, Windbreakers, Leather Jackets, Sweaters, and Sport Trousers.
Claims use since 1925.

Ser. No. 363,541. ADELPHI SHIRT CO., Allentown, Pa. Filed Apr. 9, 1935.

Chappie



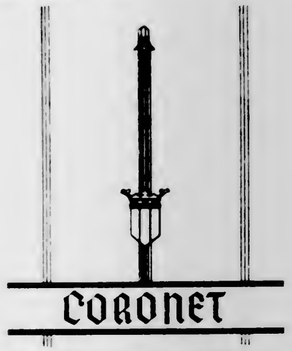
For Men's and Boys' Dress, Negligee, and Work Shirts, Blouses, Polo Shirts, and Underwear.
Claims use since Jan. 10, 1923

Ser. No. 363,542. ADELPHI SHIRT CO., Allentown, Pa. Filed Apr. 9, 1935.

Duro Flex

For Men's and Boys' Dress, Negligee, and Work Shirts, Blouses, Polo Shirts, and Underwear.
Claims use since Mar. 18, 1935

Ser. No. 363,591. THE HELIX COMPANY, INC., New York, N. Y. Filed Apr. 10, 1935.



For Women's and Children's Hosiery, Underwear, Scarfs, Waists, Skirts, Dresses, Coats, Pajamas, and Men's Hosiery, Underwear, and Neckties.
Claims use since June 1, 1933.

Ser. No. 363,664. LESNOW BROTHERS, INC., New Haven, Conn. Filed Apr. 12, 1935

VELOTEX

For Men's and Boys' Dress, Negligee, and Work Shirts, and Boys' Blouses.
Claims use since Sept. 1, 1934

Ser. No. 363,716. THE MOYER MANUFACTURING COMPANY, Youngstown, Ohio. Filed Apr. 13, 1935.

WEATHERSIDE

For Outer Garments Designed Principally for Winter Use—Namely, Trousers, Jackets, Coats, Snow Suits, Ski Pants, Mackinaws, and Wind-Breakers for the Use of Men, Women, Boys, and Girls.
Claims use since Mar. 29, 1935

Ser. No. 363,730. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Filed Apr. 13, 1935.

Strut-Trio

For Hosiery.
Claims use since Mar. 7, 1935.

Ser. No. 363,775. WEST COAST-MANCHESTER MILLS, INC., Los Angeles, Calif. Filed Apr. 15, 1935.

HOLLYWOOD JUNIOR

For Bathing Suits, Swimming Suits, and Sweaters.
Claims use since Mar. 8, 1935.

Ser. No. 363,776. WEST COAST-MANCHESTER MILLS, INC., Los Angeles, Calif. Filed Apr. 15, 1935.

HOLLYWOOD JR.

For Bathing Suits, Swimming Suits, and Sweaters.
Claims use since Mar. 8, 1935.

Ser. No. 363,779. YORKSHIRE KNITTING CO. INC., New York, N. Y. Filed Apr. 15, 1935.

PLAYWOOLIES

For Infants', Children's, and Misses' Knitted and Woven Outer Garments—Namely, Sweaters, Leggings, Skirts, Jackets, One, Two, and Three Piece Sweaters and Play Suits, Snow Suits, Bathing Suits.
Claims use since Jan. 7, 1935.

Ser. No. 363,790. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Filed Apr. 16, 1935.

Magic Mist

For Women's Hosiery.
Claims use since Mar. 20, 1935.

Ser. No. 363,807. KLEIN BROTHERS, New York, N. Y. Filed Apr. 16, 1935.

Taffa-glow Prints

The word "Prints" is disclaimed apart from the mark.
For Ladies' and Misses' Dresses, Skirts, Blouses, Jackets, and Lingerie—Namely, Vests, Panties, Underskirts, Bloomers, Stepins, Chemises, Bed Jackets, Nightgowns, Slips, Petticoats, Kimonos, Bloomer Suits, and Pajamas.
Claims use since Jan. 15, 1925.

Ser. No. 363,809. LAMM BROTHERS, INCORPORATED, Baltimore, Md. Filed Apr. 16, 1935.

WINDO PANE

For Men's and Boys' Sport Trousers and Suits Including Coats, Vests and Trousers, Overcoats, Raincoats, Wind Breakers, Leather Jackets, and Top Coats.
Claims use since Jan. 2, 1934.

Ser. No. 363,813. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Apr. 16, 1935.

VYCORA

For Men's Neckties and Mufflers.
Claims use since September, 1934.

Ser. No. 363,855. SEYMOUR S. GREAN, New York, N. Y. Filed April 17, 1935.

"FLEXERIZED"

For Coat Lapels, Coat Collars, and Coat Fronts.
Claims use since Apr. 1, 1935.

Ser. No. 363,887. NEW YORK KNITTING MILLS, INC., New York, N. Y. Filed Apr. 17, 1935.

PINCHER

For Knitted Sweaters and Coat Sweaters.
Claims use since April, 1934.

Ser. No 363,908. G. W. ALEXANDER & CO., INC., West Reading, Pa. Filed Apr. 18, 1935.



For Caps and Hats of Felt, Straw, Cloth, and Fur for Men and Women.
Claims use since Mar. 1, 1935.

Ser. No. 363,933. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Apr. 18, 1935.

MANKNIT

For Pajamas, Outer Shirts and Underwear—Namely, Shirts, Drawers, and Union Suits.
Claims use since November, 1934.

Ser. No. 363,989. WOHL SHOE COMPANY, St. Louis, Mo. Filed Apr. 19, 1935.

Van Dé

For Hosiery.
Claims use since Nov. 17, 1934.

Ser. No. 364,105. ABRAHAM S. ROSENFELD, doing business as Wales Shirt Co., New Haven, Conn. Filed Apr. 23, 1935.

ALUMNI
CLUB

For Men's Dress, Negligee and Work Shirts.
Claims use since Mar. 1, 1931.

Ser. No. 364,109. WAYNE KNITTING MILLS, Fort Wayne, Ind. Filed Apr. 23, 1935.

Way-nees

For Hosiery.
Claims use since Dec. 6, 1934.

Ser. No. 364,150. E. P. REED & CO., Rochester, N. Y. Filed Apr. 24, 1935.

Matripedic

For Shoes, Made of Leather, or Fabric, or of Combinations of Leather and Fabric.
Claims use since Oct. 31, 1931.

Ser. No. 364,250. SHAWMUT WOOLEN MILLS, INC., Stoughton, Mass. Filed Apr. 26, 1935.

Snow Snug

For Snow Suits, Ski Suits, Winter Play Suits, Separate Jackets and Separate Pants, for Men, Women, and Children.
Claims use since Dec. 17, 1932.

Ser. No. 364,252. SMART-FORM, INC., Newark, N. J. Filed Apr. 26, 1935.

"Sm-Artist"

For Corsets, Brassières, Foundation Garments, and Corselets.
Claims use since Apr. 18, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 359,632. SHELTON TEXTILE FABRIC CO., Shelton, Conn. Filed Dec. 24, 1934.

MIRCIR

For Narrow Elastics and Vienna Hat Elastic.
Claims use since July 2, 1931.

Ser. No. 359,633. SHELTON TEXTILE FABRIC CO., Shelton, Conn. Filed Dec. 24, 1934.

PERFECTUS
88

For Narrow Elastics, Elastic Braids, and Vienna Hat Elastic.
Claims use since Jan. 1, 1933.

Ser. No. 362,794. HAIR NET PACKERS, INC., New York, N. Y. Filed Mar. 20, 1935.

Solo

For Hair Curlers, Hair Wavers, Wave Pressers, Curl Pressers, Each Respectively Non-Electrical, Hair Pins Generally, and More Particularly Bobby Pins, Non-Electrical Wave Setters, and Non-Electrical Curl Setters.
Claims use since Feb. 14, 1930.

Ser. No. 362,795. HAIR NET PACKERS, INC., New York, N. Y. Filed Mar. 20, 1935.

RED TOP

The drawing is lined for red.
For Hair Curlers, Hair Wavers, Wave Pressers, Curl Pressers, Each Respectively Non-Electrical, Hair Pins Generally, and More Particularly Bobby Pins, Non-Electrical Wave Setters and Non-Electrical Curl Setters.
Claims use since Sept. 4, 1934.

Ser. No. 363,917. FREYDBERG BROS., INC., New York, N. Y. Filed Apr. 18, 1935.

SUCCESS

For Seam Bindings.
Claims use since Sept. 1, 1914.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 359,225. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y. Filed Dec. 12, 1934.



For Handkerchiefs.
Claims use since Oct. 24, 1934.

Ser. No. 361,566. CONSOLIDATED BLEACHING CO., Union City, N. J. Filed Feb. 19, 1935.



Applicant disclaims the words "Union City, New Jersey," "Bleaching" and "Registered Trade Mark" except as used in connection with the mark submitted.
For Cotton Piece Goods and Silk Piece Goods.
Claims use since Feb. 11, 1935.

Ser. No. 361,614. GILMAN & RAPPAPORT SILK CORP., New York, N. Y. Filed Feb. 20, 1935.

IRRESISTIBLE

For Textile Piece Goods of Silk, Cotton, Woolen, Rayon, or any Combination Thereof.
Claims use since Jan. 4, 1935.

Ser. No. 361,819. RICHARD PICK & HELLER CO., Chicago, Ill. Filed Feb. 25, 1935.

Pickwell

For Wool, Silk, Linen, Cotton and Rayon Furniture Upholstery Piece Goods.
Claims use since Jan. 10, 1935.

Ser. No. 361,822. SEA ISLAND MILLS, INC., New York, N. Y. Filed Feb. 25, 1935.



SEA ISLENE

For Cotton Broadcloth in the Piece.
Claims use since January, 1935.

Ser. No. 362,250. CANNON MILLS COMPANY, Kannapolis, N. C. Filed Mar. 8, 1935.

CANNON
DURALITE

For Sheets and Pillow Cases.
Claims use since Feb. 14, 1935.

Ser. No. 363,081. JOSEPH W. WOODS COMPANY, INC., New York, N. Y. Filed Mar. 27, 1935.

WOODCO

For Cotton and Rayon Mixtures and Part Linen Piece Goods.
Claims use since Sept. 30, 1926.

Ser. No. 363,800. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 16, 1935.

LANCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 15, 1935.

Ser. No. 363,803. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Filed Apr. 16, 1935.

Will-o-Wisp

For Hair Nets.
Claims use since June 7, 1917.

Ser. No. 363,808. KLEIN BROTHERS, New York, N. Y. Filed Apr. 16, 1935.

Taffa-glow Prints

The word "Prints" is disclaimed apart from the mark.
For Fabrics in the Piece, of Wool, Rayon, Silk, Cotton or Combinations Thereof.
Claims use since Jan. 15, 1935.

Ser. No. 363,832. STONEKIRK WORSTED COMPANY, New York, N. Y. Filed Apr. 16, 1935.

Westdale

For Woolen Piece Goods.
Claims use since Mar. 20, 1935.

Ser. No. 363,932. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Apr. 18, 1935.

MANLYN

For Handkerchiefs.
Claims use since March, 1935.

Ser. No. 363,964. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Apr. 19, 1935.

Tip=Toe

For Piece Goods of Synthetic Yarn—Namely, Acetate and Rayon.
Claims use since Apr. 12, 1935.

Ser. No. 364,374. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 30, 1935.

RANHEE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 29, 1935.

Ser. No. 364,375. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 30, 1935.

RESSALDER

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 29, 1935.

Ser. No. 364,376. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 30, 1935.

RUPEE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 29, 1935.

Ser. No. 364,377. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 30, 1935.

ZEPHYRCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 29, 1935.

CLASS 43

Thread and Yarn

Ser. No. 363,791. BARNHARDT BROTHERS, Charlotte, N. C. Filed Apr. 16, 1935.

RALISLE

For Cotton and Rayon Yarns and Mixtures Thereof.
Claims use since May 15, 1934.

Ser. No. 363,801. THE CLARK THREAD COMPANY, Newark, N. J. Filed Apr. 16, 1935.

CRONITA

For Thread and Yarn.
Claims use since Feb. 15, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 352,460. ARTISAN INC., New York, N. Y. Filed June 8, 1934.

Infra-Ray

For Permanent Waving Machines.
Claims use since Apr. 3, 1933.

Ser. No. 362,512. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT, Frankfort-on-the-Main, Germany. Filed Mar. 14, 1935.

SIMANIT

For Surgical Bandages and Dressings—Namely, Gauze, Gauze Compresses, Absorbent Cotton, Gauze Strips With Woven Edges, and Gauze Swabs.
Claims use since Apr. 14, 1934.

Ser. No. 363,630. KOIN-PAK SALES CORP., Akron, Ohio. Filed Apr. 11, 1935.



No claim is made to the word "Pack" apart from the mark shown. The representation of the container per se is disclaimed.
For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Mar. 1, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 364,107. G. LEE WAINSCOTT, Winchester, Ky. Filed Apr. 23, 1935.

ALE8 "A LATE ONE"

No claim is made to the word "Ale" apart from the mark shown.
For Non Alcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since July 13, 1926.

Ser. No. 364,152. TOK BEVERAGE CO., New York, N. Y. Filed Apr. 24, 1935.

TOK

For Non-Alcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups for Making the Same.
Claims use since Apr. 22, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 348,010. MARIUS BOEL, Marslev, Denmark. Filed Mar. 1, 1934.



For Cheese.
Claims use since 1924.

Ser. No. 349,304. CRESCENT MANUFACTURING CO., Seattle, Wash. Filed Mar. 27, 1934.

VITA-LITE

Applicant disclaims "Lite" apart from the mark as shown.
For Coffee.
Claims use since Jan. 4, 1934.

Ser. No. 357,494. THE JEL SERT CO., Chicago, Ill. Filed Oct. 25, 1934.

freezo

For Ice Cream Powder.
Claims use since Sept. 13, 1934.

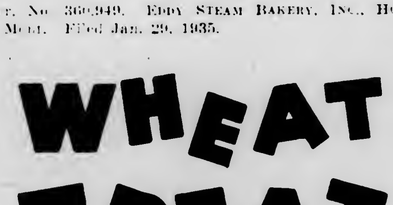
Ser. No. 359,625. M & R DIETETIC LABORATORIES INC., Columbus, Ohio. Filed Dec. 24, 1934.

BAKERS DELIGHT

For Powdered Skimmed Milk for Use by Bakers, Confectioners and Ice Cream Manufacturers.
Claims use since Dec. 1, 1934.

Ser. No. 360,143. PAUL SCALETTI, doing business as Yolanda Ravioli Packing Company, Los Angeles, Calif. Filed Jan. 11, 1935.

DIPLOMA



For Spaghetti, Beef Tamale, Chili Con Carne, Chicken Ravioli and Mushroom Sauce.
Claims use since Dec. 26, 1934.

Ser. No. 360,949. EDDY STEAM BAKERY, INC., Helena, Mont. Filed Jan. 29, 1935.

WHEAT TREAT

No claim is made to the word "Wheat" apart from the mark as shown.
For Bread.
Claims use since Nov. 1, 1934.

Ser. No. 362,571. HALES & HUNTER CO., Chicago, Ill. Filed Mar. 15, 1935.

HARVEST

For Horse Feed.
Claims use since Nov. 15, 1910.

Ser. No. 363,454. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 6, 1935.

SUN

For Arrowroot Starch Sold in Bulk to Pudding Powder, Cracker, and Biscuit Manufacturers and Similar Trades.
Claims use since Mar. 27, 1935.

Ser. No. 363,586. CHARLES T. FISHER, Moline, Ill. Filed Apr. 10, 1935.

Reg-o-Lator

For Bread.
Claims use since Apr. 6, 1935.

Ser. No. 363,783. OWEN CANNING COMPANY, Owen, Wis. Filed Apr. 16, 1935.

GREEN KING

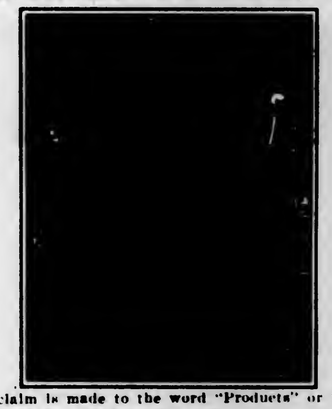
For Canned Peas.
Claims use since Mar. 22, 1933.

Ser. No. 363,852. COMMERCIAL MILLING COMPANY, Detroit, Mich. Filed Apr. 17, 1935. Under ten-year provi o.

Fenkell's EXTRA FANCY BEST FAMILY FLOUR

The drawing is lined for red and blue.
For Wheat Flour.
Applicant is the owner of registrations, 62,688, 104,418, 108,390, 133,230, and 224,211.
Claims use since Jan. 1, 1895.

Ser. No. 364,292. JOHN ROBERT HICKS, doing business as Timber Lake Mill, Evington, Va. Filed Apr. 27, 1935.



No claim is made to the word "Products" or "Bedford Springs, Va." apart from the mark.
For Wheat Flour, Self-Rising Wheat Flour, Corn Meal, and Poultry Feed.
Claims use since Dec. 11, 1928.

Ser. No. 364,330. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Apr. 29, 1935.

Western Prairie

For Live and Dressed Poultry.
Claims use since Apr. 27, 1933.

Ser. No. 364,331. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Apr. 29, 1935.

WESTERN-PRIDE

For Live and Dressed Poultry.
Claims use since Apr. 27, 1933.

Ser. No. 364,344. MCDANIEL & SONS, INC., Yorkville, Ark. Filed Apr. 29, 1935.

CASTLE DOME

For Fresh Vegetables.
Claims use since Mar. 23, 1935.

Ser. No. 364,345. EDWARD BURTON MCGOVERN, doing business as McGovern and McGovern, Seattle, Wash. Filed Apr. 29, 1935.

FAR NORTH

For Canned Fish.
Claims use since Mar. 21, 19[illegible].

Ser. No. 364,346. MCIVOR KRAUT COMPANY, Oaks Corners, N. Y. Filed Apr. 29, 1935.

FERTILE FIELD

For Canned Sauerkraut.
Claims use since Feb. 15, 1935.

Ser. No. 364,389. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Apr. 30, 1935.

AMERICANAISE

For Salad Dressing.
Claims use since Apr. 20, 1935.

Ser. No. 364,393. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed Apr. 30, 1935.

VITAN

For Canned Fruits and Vegetables Comprising Apricots, Fruit Cocktail (Mixed Fruits), Grapefruit, Peaches (Melba and Sliced Yellow Cling), Pears (Bartlett), Pineapple (Sliced and Crushed), Asparagus, Corn (Baby Grain and Golden Bantam), Peas, Spinach, and Tomato Juice.
Claims use since Apr. 25, 1935.

Ser. No. 364,481. F. O. MITCHELL & BRO., Perryman, Md. Filed May 2, 1935.

Willo Grove

For Canned Corn.
Claims use since Apr. 1, 1935.

Ser. No. 364,525. WEYAUWEGA DAIRY PRODUCTS COMPANY, Weyauwega, Wis. Filed May 3, 1935.

Holly



MILK

No claim is made to the word "Milk" apart from the mark shown.
For Evaporated Milk.
Claims use since January, 1925.

Ser. No. 364,530. WEYAUWEGA DAIRY PRODUCTS COMPANY, Weyauwega, Wis. Filed May 3, 1935.

ETNA



MILK

No claim is made to the word "Milk" apart from the mark shown.
For Evaporated Milk.
Claims use since April, 1921.

Ser. No. 364,585. P. J. LINDE, Salinas, Calif. Filed May 6, 1935.

RITZ



For Fresh Vegetables.
Claims use since July, 1924.

Ser. No. 364,620. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Filed May 7, 1935.

Home Town



For Poultry Feed—Namely, Egg Mash, and Starting and Growing Mash.
Claims use since Aug. 31, 1934.

CLASS 47

Wines

Ser. No. 356,226. JULIUS KAYSER & CO., Traben-Trarbach, Germany. Filed Sept. 20, 1934.



The representation of a wine bottle and the address "Traben-Trarbach a/d Mosel" are disclaimed apart from the mark.

For Rhine and Moselle Wines (Still and Sparkling).

Claims use since 1925.

Ser. No. 363,033. AUGUST CARL BRINKMAN, doing business as Nevada Distributing Company, San Francisco, Calif. Filed Mar. 27, 1935.

CALIFORNIA

JUBILEE

For Wines.

Claims use since Feb. 5, 1935.

Ser. No. 363,749. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Filed Apr. 15, 1935.

MAZZINI

The name "Mazzini" is that of Guiseppe Mazzini, the Italian patriot and statesman, now deceased. Applicant is the owner of registrations 316,073 and 318,646 and the registrations enumerated therein.

For Wines—to wit, Claret, Zinfandel, Burgundy, Barbera, Barberone, Alicante, Gragnano, Chianti, Rhine, Riesling, Chablis, Sauterne, Port, Sherry, Muscatel, Angelica, Tokay, Marsala, and Vermouth.

Claims use since Feb. 14, 1934.

Ser. No. 364,503. BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif. Filed May 3, 1935.



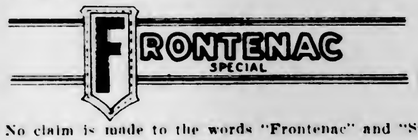
For Wines.

Claims use since January, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 334,339. ROMA H. MAY, Essex Junction, Vt. Filed Jan. 25, 1933.



No claim is made to the words "Frontenac" and "Special" except in the association shown.

For Malt Beverages with Not More Than the Legal Alcoholic Content.

Claims use since July 2, 1930.

Ser. No. 364,354. PACIFIC TRADING CO., INC., San Francisco, Calif. Filed Apr. 29, 1935.

SHOCHIKUBAI

梅竹松

"Shochikubai" and the Japanese ideographs translated into English signify the pine tree, bamboo, and plum tree which in Japan means joy and happiness.

For Brewed or Malted Sake.

Claims use since Nov. 20, 1934.

Ser. No. 364,468. JOHN C. BRUCKMANN, Cincinnati, Ohio. Filed May 2, 1935.



No claim is made to the word "Beer".

For Beer, Ale, Porter, and Stout, with Not More Than the Legal Alcoholic Content.

Claims use since Apr. 1, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 347,990. NATIONAL BLENDERS, Trenton, N. J. Filed Feb. 28, 1934.

Silver Stallion

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since Feb. 13, 1934

Ser. No. 348,775. NATIONAL BLENDERS, Trenton, N. J. Filed Mar. 17, 1934.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since Mar. 7, 1934.

Ser. No. 351,999. ROVIRA Y COMPAÑIA S. EN C., Santiago, Cuba. Filed May 28, 1934.



Applicant disclaims the words "Ron Añejo", "Destiladores", "Santiago de Cuba", and "Marca de Fabrica Registrada" apart from the mark shown.

For Rums, Brandies, Whiskies, Ethyl Alcohol, Alcoholic Cordials, and Liqueurs.

Claims use since Dec. 2, 1927.

Ser. No. 357,586. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Oct. 27, 1934.

Arrow

For Alcoholic Cordials and Liqueurs.

Claims use since Feb. 21, 1934.

Ser. No. 360,056. THREE G DISTILLERY CORP., Burbank, Calif. Filed Jan. 7, 1935.



OLD MISTER
London

The word "London" is disclaimed apart from the mark as shown.

For Whiskey.

Claims use since July 14, 1934.

Ser. No. 361,275. LYONS-MAGNUS, INC., doing business as The E. G. Lyons & Raas Co., San Francisco, Calif. Filed Feb. 11, 1935.



The name "Lyons" is disclaimed apart from the mark shown.

For Whiskey, Brandy, Gin, Rum, and Cordials.

Claims use since Dec. 1, 1934.

Ser. No. 361,458. B. B. IDEF & COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 16, 1935.



For Creme de Cacao Chuao, Alcoholic Cordials, and Liqueurs.
Claims use since 1890.

Ser. No. 362,447. EDWARD TRAINER, Philadelphia, Pa. Filed Mar. 12, 1935.



No claim is made to the words "Blended Whiskey" apart from the mark shown.
For Whiskey.
Claims use since Sept. 1, 1894.

Ser. No. 362,770. BOOTH'S DISTILLERIES, LIMITED, London, England, and Leith, Scotland. Filed Mar. 20, 1935.



No claim is made to the words "Mountain Dew" and "Leith" apart from the mark shown.
For Whisky.
Claims use since Dec. 30, 1890.

Ser. No. 363,060. PUERTO RICO DISTILLING COMPANY, Arecibo, Puerto Rico. Filed Mar. 27, 1935.

RONRICO

For Rum.
Claims use since Feb. 10, 1935.

Ser. No. 363,061. PUERTO RICO DISTILLING COMPANY, Arecibo, Puerto Rico. Filed Mar. 27, 1935.



No claim is made to the words "Superlativo" and "Puerto Rico Rum" aside from the mark shown.
For Rum.
Claims use since Feb. 10, 1935.

Ser. No. 363,505. KUNZ'S, INC., Louisville, Ky. Filed Apr. 8, 1935.

Mills Point

For Whiskey.
Claims use since Mar. 19, 1934.

Ser. No. 363,519. RIO DISTILLERS, INC., Newark, N. J. Filed Apr. 8, 1935.

Elk-Hill

For Whiskey.
Claims use since Apr. 27, 1934.

Ser. No. 363,631. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Apr. 11, 1935.

Tremont Springs

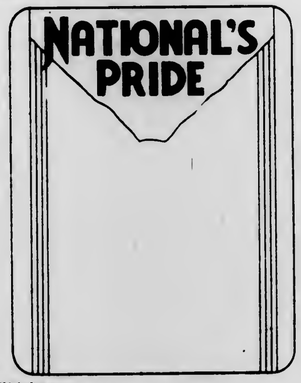
For Whiskey.
Claims use since June 5, 1934.

Ser. No. 364,098. PETER HAUPTMANN TOBACCO CO., St. Louis, Mo. Filed Apr. 23, 1935.

Ozark Springs

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 14, 1935.

Ser. No. 364,119. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Apr. 23, 1935.



For Whiskey.
Claims use since Mar. 17, 1934.

Ser. No. 364,534. ACKER, MERRILL & CONDIT COMPANY, New York, N. Y. Filed May 4, 1935. Under 10-year proviso.

ACKER, MERRALL & CONDIT

For Whiskey and Gin.
Claims use since 1870.

Ser. No. 364,557. STANDARD WINE & LIQUOR CO., INC., New York, N. Y. Filed May 4, 1935.





For Whiskey and Brandy.
Claims use since Nov. 30, 1934.

Ser. No. 364,582. L. E. JUNG & WULFF COMPANY, INC., New Orleans, La. Filed May 6, 1935.

ARGOBITTERS

The word "Bitters" is disclaimed apart from the mark.
For Bitters for Flavoring Alcoholic Beverages.
Claims use since Mar. 21, 1935.

Ser. No. 364,600. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Filed May 6, 1935.

OLD MR. KENTUCKY

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 1, 1935.

Ser. No. 364,601. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Filed May 6, 1935.

SOUTHERN ROSE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 1, 1935.

Ser. No. 364,626. C. H. GRAVES & SONS COMPANY, Boston, Mass. Filed May 7, 1935.



Lord Nelson

For Gin.
Claims use since May, 1934.

Ser. No. 364,657. THOMAS ANDRE, doing business as The Thomas Andre Company, Baltimore, Md. Filed May 8, 1935.

Owings Mills

For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Jan. 15, 1935.

Ser. No. 364,709. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed May 9, 1935.

KENTUCKY GLORY

For Whiskey.
Claims use since Mar. 27, 1935.

Ser. No. 364,727. MARYLAND DISTILLERY, INC., Relay, Md. Filed May 9, 1935.

ROLLING ROAD

For Whiskey.
Claims use since Apr. 17, 1935.

Ser. No. 364,728. MARYLAND WINE & LIQUOR CO., Chicago, Ill. Filed May 9, 1935.

SILVER CREAM

For Whiskey and Gin.
Claims use since Apr. 25, 1935.

Ser. No. 364,775. G. F. HEUBLEIN & BRO., Hartford, Conn. Filed May 10, 1935.

AMERICAN CREST

For Whiskey.
Claims use since December, 1899.

Ser. No. 364,776. G. F. HEUBLEIN & BRO., Hartford, Conn. Filed May 10, 1935.

AMERICAN SEAL

For Whiskey.
Claims use since December, 1905.

Ser. No. 364,778. G. F. HEUBLEIN & BRO., Hartford, Conn. Filed May 10, 1935.

FOREST PARK

For Gin.
Claims use since Apr. 15, 1935.

Ser. No. 364,780. PENN-MARYLAND CORPORATION, New York, N. Y. Filed May 10, 1935.

COMMONWEALTH

For Whiskey.
Claims use since 1882.

Ser. No. 364,815. GLENMORE DISTILLERIES CO., INC., Louisville, Ky. Filed May 11, 1935.

Mint Springs

For Whiskey.
Claims use since July, 1915.

Ser. No. 364,829. OLD DIXIE DISTILLING CO., INC., Richmond, Va. Filed May 11, 1935.

Commonwealth Club

No claim is made to the word "Club" apart from the mark.
For Whiskey, Gin, Rum, and Brandy.
Claims use since May 9, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 364,434. NU-ART FIBRE PRODUCTS COMPANY, BRANCH OF AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Filed May 1, 1935.

SEA BREEZE

For Woven Cloth Manufactured From Agave Fibre or Twisted Warp or Woof of These or Other Materials Intended to be Used for Upholstering Furniture, Automobile Seat Covers, Window Shades, Wall Panels, and Other Interior Decorating Purposes.
Claims use since Dec. 15, 1932.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 18, 1935

325,216. BRUSHES, PARTICULARLY CARBON BRUSHES, FOR ELECTRICAL PURPOSES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed January 26, 1935. Serial No. 360,815. PUBLISHED APRIL 9, 1935. Class 21.

325,217. POWDER, LIQUID AND SALVE FOR THE RELIEF OF FEET. THE MILSON COMPANY, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,782. PUBLISHED APRIL 2, 1935. Class 6.

325,218. PRINTING PAPER, MAILING ENVELOPES, AND WRITING PAPER AND ENVELOPES. W. T. GRANT COMPANY, New York, N. Y.
Filed January 28, 1935. Serial No. 360,773. PUBLISHED APRIL 9, 1935. Class 37.

325,219. GROUND COFFEE. RUST-PARKER COMPANY, Duluth, Minn.
Filed January 26, 1935. Serial No. 360,732. PUBLISHED APRIL 9, 1935. Class 46.

325,220. GENERAL ANTISEPTIC. K. & S. LABORATORIES, INC., Denver, Colo.
Filed January 25, 1935. Serial No. 360,671. PUBLISHED APRIL 9, 1935. Class 6.

325,221. MEDICINES FOR COUGHS, COLDS, LOSS OF VOICE, HOARSENESS, BRONCHITIS, AND AFFLICTIONS INVOLVING IRRITATED AND INFLAMED TISSUES OF THE LUNGS AND AIR PASSAGES. A B C O LABORATORIES, Cleveland, Ohio.
Filed January 25, 1935. Serial No. 360,661. PUBLISHED APRIL 9, 1935. Class 6.

325,222. HOSIERY. MOORHEAD KNITTING COMPANY, Harrisburg, Pa.
Filed January 24, 1935. Serial No. 360,644. PUBLISHED APRIL 9, 1935. Class 39.

325,223. ADHESIVE USED IN THE MAKING OF CORES. FREDERIC B. STEVENS, INC., Detroit, Mich.
Filed January 21, 1935. Serial No. 360,615. PUBLISHED APRIL 9, 1935. Class 5.

325,224. COLLAPSIBLE TUBES. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed January 24, 1935. Serial No. 360,613. PUBLISHED APRIL 9, 1935. Class 2.

325,225. PREPARATION FOR THE TREATMENT OF DIGESTIVE DISORDERS AND FOR USE AS A VEHICLE FOR DISGUISING THE TASTE OF UNPLEASANT DRUGS. DEAN WALLACE CORPORATION, Brooklyn, N. Y.
Filed January 23, 1935. Serial No. 360,579. PUBLISHED APRIL 2, 1935. Class 6.

325,226. BASE METAL VASES, SHOWER CURTAINS AND PEWTER HOLLOW WARE. JAMES MCCUTCHEON & CO., New York, N. Y.
Filed January 22, 1935. Serial No. 360,568. PUBLISHED APRIL 9, 1935. Class 13.

325,227. EMPTY COMPACTS MADE OF BASE METALS AND OF BASE METALS AND ENAMEL COMBINED AND OF COMPOSITION MATERIAL; WASTE PAPER BASKETS AND MAKE-UP BOXES MADE OF WOOD AND GLASS. JAMES MCCUTCHEON & CO., New York, N. Y.
Filed January 22, 1935. Serial No. 360,566. PUBLISHED APRIL 9, 1935. Class 2.

325,228. POCKETBOOKS. JAMES MCCUTCHEON & CO., New York, N. Y.
Filed January 22, 1935. Serial No. 360,565. PUBLISHED APRIL 9, 1935. Class 3

325,229. TEA AND COFFEE SETS MADE OF CHINA AND POTTERY, VASES OF PORCELAIN AND EARTHENWARE, POTTERY AND CHINA. JAMES MCCUTCHEON & CO., New York, N. Y.
Filed January 22, 1935. Serial No. 360,564. PUBLISHED APRIL 9, 1935. Class 30.

325,230. PERIODICAL REPORTS. STANDARD STATISTICS COMPANY, New York, N. Y.
Filed January 22, 1935. Serial No. 360,555. PUBLISHED APRIL 9, 1935. Class 38.

325,231. HEALING AND ANTISEPTIC SOLUTION AND OINTMENT. MEYER S. GLAUSER, doing business as Acnesolv Laboratories, Philadelphia, Pa.
Filed January 22, 1935. Serial No. 360,535. PUBLISHED APRIL 9, 1935. Class 6.

325,232. ALUMINUM REFLECTORS. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed January 22, 1935. Serial No. 360,517. PUBLISHED APRIL 9, 1935. Class 34.

325,233. COFFEE. THE WEIDEMAN CO., Cleveland, Ohio.
Filed January 21, 1935. Serial No. 360,510. PUBLISHED APRIL 9, 1935. Class 46.

325,234. PREPARATION FOR CLEANSING, SOFTENING AND TONING THE SKIN. SYLVIA OF HOLLYWOOD, New York, N. Y.
Filed January 21, 1935. Serial No. 360,505. PUBLISHED APRIL 2, 1935. Class 6.

325,235. CANDY. E. F. KEMP, INC., Somerville, Mass.
Filed January 21, 1935. Serial No. 360,477. PUBLISHED APRIL 9, 1935. Class 46.

325,236. LEATHER. THE OHIO LEATHER COMPANY, Girard, Ohio.
Filed February 19, 1935. Serial No. 361,576. PUBLISHED APRIL 9, 1935. Class 1.

325,237. AUTOMATIC COAL BURNERS. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg.
Filed February 19, 1935. Serial No. 361,575. PUBLISHED APRIL 9, 1935. Class 34.

325,238. TOOTH BRUSHES. THE DRUGGIST, INC., Cleveland, Ohio.
Filed February 18, 1935. Serial No. 361,548. PUBLISHED APRIL 9, 1935. Class 29.

325,239. GOLF BAG CARRIERS. JUSTIN E. ROSS, Kansas City, Mo.
Filed February 18, 1935. Serial No. 361,544. PUBLISHED APRIL 9, 1935. Class 22.

325,240. SANDWICHES. JOHN J. MCCARTNEY, Kansas City, Mo.
Filed February 18, 1935. Serial No. 361,530. PUBLISHED APRIL 9, 1935. Class 46.

325,241. PENCILS, ERASERS, AND REFILL TUBES EAGLE PENCIL COMPANY, New York, N. Y.
Filed February 18, 1935. Serial No. 361,520. PUBLISHED APRIL 9, 1935. Class 37.

325,242. WHEAT FLOUR, PLAIN AND SELF-RISING. COSBY-HODGES MILLING CO. INC., Birmingham, Ala
Filed February 18, 1935. Serial No. 361,513. PUBLISHED APRIL 9, 1935. Class 46.

325,243. SEEDS, PARTICULARLY FIELD, GARDEN, AND LAWN SEEDS. FARM SERVICE STORES, INC., Minneapolis, Minn.
Filed February 16, 1935. Serial No. 361,461. PUBLISHED APRIL 9, 1935. Class 1.

325,244. FUEL, PARTICULARLY COAL. FARM SERVICE STORES, INC., Minneapolis, Minn.
Filed February 16, 1935. Serial No. 361,460. PUBLISHED APRIL 9, 1935. Class 1.

325,245. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. WAHL INSTITUTE, Chicago, Ill.
Filed February 14, 1935. Serial No. 361,405. PUBLISHED APRIL 9, 1935. Class 48.

325,246. CARD GAME PLAYED WITH PLAYING CARDS ARRANGED IN A GIVEN ORDER AND PASTED OR OTHERWISE APPLIED ON A BOARD. VENA DEAN, Columbus, Ohio.
Filed February 14, 1935. Serial No. 361,385. PUBLISHED APRIL 9, 1935. Class 22.

325,247. PAINTER'S BRUSHES. J. C. PUDIKE & SONS, INC., Boston, Mass.
Filed February 13, 1935. Serial No. 361,368. PUBLISHED APRIL 9, 1935. Class 29.

325,248. BLOOMERS AND WOMEN'S PANTIES, STEPINS, PANTALETS, AND DRAWERS, AND MEN'S, WOMEN'S, AND CHILDREN'S UNDERSUITS OF KNITTED AND WOVEN FABRICS, AND PAJAMAS, BATHING SUITS, GYMNASIUM BLOOMERS, RUNNING PANTS, KNICKERS, ROMPERS, AND CREEPERS. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa.
Filed February 13, 1935. Serial No. 361,354. PUBLISHED APRIL 9, 1935. Class 39.

325,249. TOY TRACING SETS. POWERS NEW PRODUCTS CORPORATION, Wilmington, Del., and New York, N. Y.
Filed February 12, 1935. Serial No. 361,333. PUBLISHED APRIL 9, 1935. Class 22.

325,250. TOY TRACING SETS. POWERS NEW PRODUCTS CORPORATION, Wilmington, Del., and New York, N. Y.
Filed February 12, 1935. Serial No. 361,332. PUBLISHED APRIL 9, 1935. Class 22.

325,251. LIVER PILLS. CARTER MEDICINE COMPANY, New York, N. Y.
Filed February 11, 1935. Serial No. 361,256. PUBLISHED APRIL 9, 1935. Class 6.

325,252. FRESH VEGETABLES, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, GRAPES, AND MELONS. RANDOLPH MARKETING CO., INC., Los Angeles, Calif.
Filed February 9, 1935. Serial No. 361,217. PUBLISHED APRIL 9, 1935. Class 46.

325,253. CAST STONE FLOWER-BOXES, FLOWER POTS, URNS, VASES, JARS, BOWLS, SAUCERS, FOUNTAIN-RECEPTACLES, BIRD-BATHS, BIRD-FEEDERS, POOLS USED FOR BIRD-BATHS AND LIKE PURPOSES, AND RECEPTACLES FOR ORNAMENTAL FIGURES. ASTCRETE PRODUCTS COMPANY, Upper Darby and Grassland, Pa.
Filed February 9, 1935. Serial No. 361,201. PUBLISHED APRIL 9, 1935. Class 2.

325,254. READY-MIXED PAINTS, PAINT ENAMELS, LACQUERS, PASTE PAINTS, PAINT OILS, JAPANS, VARNISHES, DRIERS, STAINS, PREPARED SHELLAC, PAINT PRIMERS, PAINT FILLERS, DRIED PIGMENT COLORS FOR USE IN MAKING PAINTS, AND PAINT AND VARNISH REMOVERS. VITA-VAR CORPORATION, Newark, N. J.
Filed February 7, 1935. Serial No. 361,155. PUBLISHED APRIL 9, 1935. Class 16.

325,255. CHEMICAL PREPARATION FOR CLEANING BRIGHT METALS INCLUDING GOLD AND SILVER, BAND INSTRUMENTS, AUTOMOBILE REFLECTORS, CHROMIUM PLATE. CLYDE O. ESCHBACH, doing business as Kilgiar Manufacturing Company, Kansas City, Mo.
Filed February 7, 1935. Serial No. 361,140. PUBLISHED APRIL 9, 1935. Class 4.

325,256. WINES. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y.
Filed February 20, 1935. Serial No. 361,652. PUBLISHED APRIL 9, 1935. Class 47.

325,257. WINES. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y.
Filed February 20, 1935. Serial No. 361,650. PUBLISHED APRIL 9, 1935. Class 47.

325,258. BOOKLETS ISSUED FROM TIME TO TIME. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed February 20, 1935. Serial No. 361,631. PUBLISHED APRIL 9, 1935. Class 38.

325,259. OUTBOARD MOTORS. CHAMPION OUTBOARD MOTORS, Minneapolis, Minn.
Filed February 20, 1935. Serial No. 361,605. PUBLISHED APRIL 9, 1935. Class 23.

325,260. CANNED FRUITS AND VEGETABLES. WALLA WALLA CANNING COMPANY, Walla Walla, Wash.
Filed February 19, 1935. Serial No. 361,589. PUBLISHED APRIL 9, 1935. Class 46.

325,261. REMOVABLE PARTITIONING DEVICES FOR ICE TRAYS. THE INLAND MANUFACTURING COMPANY, Dayton, Ohio.
Filed May 14, 1934. Serial No. 351,318. PUBLISHED APRIL 9, 1935. Class 31.

325,262. CANNED KRAUT. HENRY STEINFELD, doing business as Steinfeld's Products, Portland, Oreg.
Filed April 26, 1934. Serial No. 350,546. PUBLISHED APRIL 9, 1935. Class 46.

325,263. CANDIES. WELCH'S CANDY, LIMITED, Los Angeles, Calif.
Filed April 14, 1934. Serial No. 350,001. PUBLISHED APRIL 9, 1935. Class 46.

325,264. WINES. ITALIAN WINE COMPANY, INC., Los Angeles, Calif.
Filed March 31, 1934. Serial No. 349,370. PUBLISHED APRIL 9, 1935. Class 47.

325,265. CANNED FRUIT. BALFOUR, GUTHRIE & CO., LIMITED., San Francisco, Calif.
Filed March 26, 1934. Serial No. 349,110. PUBLISHED APRIL 9, 1935. Class 46.

325,266. CAST STONE FURNITURE FOR GARDEN AND INTERIOR DECORATION—NAMELY, TABLES, SEATS, BENCHES, CHAIRS, PEDESTALS, AND STANDS. ARTCRETE PRODUCTS COMPANY, Upper Darby and Grassland, Pa.
Filed December 8, 1934. Serial No. 359,073. PUBLISHED APRIL 9, 1935. Class 32.

325,267. TRAYS AND FOOD AND DRINK DISHES CONSTRUCTED OF MOLDED FIBROUS MATERIAL WITH A HEAT HARDENED BINDER. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed August 8, 1934. Serial No. 354,784. PUBLISHED APRIL 9, 1935. Class 2.

325,268. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY CO., INC., Muncie, Ind.
Filed August 1, 1934. Serial No. 354,543. PUBLISHED APRIL 9, 1935. Class 22.

325,269. PREPARATIONS FOR COUGHS AND COLDS, HEADACHES, AND NEURALGIA, DYSPEPSIA AND INDIGESTION, CONSTIPATION, PILES AND HEMORRHOIDS, ERUPTIONS AND IRRITATIONS OF THE SKIN, BOILS AND CARBUNCLES, CORNS; APPLICATIONS FOR THE NOSE AND THROAT, EYES; IRON TONIC; TOOTH POWDER; ANTISEPTIC GARGLE; HAIR TONIC; CREAMS FOR CLEANSING AND SOFTENING OF THE SKIN. EGBERT J. SORMANI, Brooklyn, N. Y.
Filed June 21, 1934. Serial No. 352,991. PUBLISHED APRIL 9, 1935. Class 6.

325,270. ALMOND LOTION, AMBER PETROLEUM JELLY, AROMATIC SPIRITS OF AMMONIA, BAY RUM, BORIC ACID, CAMPHOR AND OIL, CAMPHORATED OIL, ETC. RALPH SACHS, doing business as Sachs Mfg. Co., Pittsburgh, Pa.
Filed June 13, 1934. Serial No. 352,647. PUBLISHED APRIL 9, 1935. Class 6.

325,271. ALUMINUM REFLECTORS. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed June 6, 1934. Serial No. 352,304. PUBLISHED APRIL 9, 1935. Class 34.

325,272. CONCENTRATED PREPARATION FOR MAKING ARTIFICIAL MINERAL WATER. SIGMOND M. BARTOK, doing business as Milton Bartok, Philadelphia, Pa.
Filed December 8, 1934. Serial No. 359,075. PUBLISHED APRIL 9, 1935. Class 6.

325,273. COAL. DELTA COAL MINING COMPANY, Chicago, Ill.
Filed December 8, 1934. Serial No. 359,083. PUBLISHED APRIL 9, 1935. Class 1.

325,274. COATS, DRESSES, SUITS, AND SKIRTS, BLOUSES, VESTS, AND SWEATERS, ALL FOR WOMEN, MISSES, AND CHILDREN. OTTENHEIMER BROS., Little Rock, Ark.
Filed December 10, 1934. Serial No. 359,142. PUBLISHED APRIL 9, 1935. Class 39.

325,275. OINTMENTS AND JELLIES FOR THE TREATMENT OF BURNS AND SCALDS. VADSCO SALES CORPORATION, Long Island City and New York, N. Y.
Filed December 12, 1934. Serial No. 359,248. PUBLISHED APRIL 9, 1935. Class 6.

325,276. WINES. ATLAS IMPORT & EXPORT CORPORATION, New York, N. Y.
Filed December 14, 1934. Serial No. 359,290. PUBLISHED APRIL 9, 1935. Class 47.

325,277. PERFUMED COMPOSITION FOR USE IN CONNECTION WITH LAUNDERING CLOTHES AND OTHER MATERIALS. LEE, ALEXANDER & SHEDD, New York, N. Y.
Filed December 15, 1934. Serial No. 359,360. PUBLISHED APRIL 2, 1935. Class 6.

325,278. ELECTRO PLATING SOLUTIONS. OXOSEAL RUSTPROOFING COMPANY, Oakland, Calif.
Filed December 17, 1934. Serial No. 359,400. PUBLISHED APRIL 9, 1935. Class 6.

325,279. EMERGENCY WHEELS FOR MOTOR VEHICLES. AMERICAN TIRE GUARD COMPANY, Detroit, Mich.
Filed December 21, 1934. Serial No. 359,535. PUBLISHED APRIL 9, 1935. Class 19.

325,280. SPORTING AND ATHLETIC GOODS—NAMELY, BASEBALLS, INDOOR BALLS, BASEBALL BATS, INDOOR BATS, BASEBALL GLOVES, BASEBALL MITTS, BASEBALL MASKS, BASEBALL CHEST PROTECTORS, BASEBALL SHIN GUARDS, VOLLEY BALLS, SOCCER BALLS, ETC. GREAT WESTERN ATHLETIC GOODS CO., Chicago, Ill.
Filed December 21, 1934. Serial No. 359,546; PUBLISHED APRIL 9, 1935. Class 22.

325,281. ELECTRODES FOR ELECTRIC ARC WELDING. HOLLUP CORPORATION, Chicago, Ill.
Filed December 22, 1934. Serial No. 359,584. PUBLISHED APRIL 9, 1935. Class 14.

325,282. CHANGEABLE LETTER ADVERTISING DEVICE. J. H. SCHARF, doing business as J. H. Scharf and Son, Omaha, Nebr.
Filed December 26, 1934. Serial No. 359,675. PUBLISHED APRIL 9, 1935. Class 50.

325,283. MEDICAL COMPOUND TABLETS WHICH AID IN RELIEVING CONSTIPATION, SICK HEADACHES, HEARTBURN, DYSPEPSIA AND INDIGESTION. BA-HA-NI LABORATORIES, Greensburg, Pa.
Filed December 27, 1934. Serial No. 359,701. PUBLISHED APRIL 2, 1935. Class 6.

325,284. ZINC OXIDE FOR USE AS PAINT PIGMENT. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed December 31, 1934. Serial No. 359,765. PUBLISHED APRIL 9, 1935. Class 16.

325,285. ZINC OXIDE FOR USE AS PAINT PIGMENT. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed December 31, 1934. Serial No. 359,766. PUBLISHED APRIL 9, 1935. Class 16.

325,286. ZINC OXIDE FOR USE AS PAINT PIGMENT. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed December 31, 1934. Serial No. 359,767. PUBLISHED APRIL 9, 1935. Class 16.

325,287. ZINC OXIDE FOR USE AS PAINT PIGMENT. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed December 31, 1934. Serial No. 359,768. PUBLISHED APRIL 9, 1935. Class 16.

325,288. BRILLIANTINE, SOAPLESS SHAMPOO, AFTER SHAVE LOTION, TOILET WATER, AND HAIR TONIC. GEORGE W. BEEMAN, Detroit, Mich.
Filed December 31, 1934. Serial No. 359,769. PUBLISHED APRIL 9, 1935. Class 6.

325,289. LIVING ROOM FURNITURE—NAMELY, CHAIRS, SOFAS, DIVANS, DAVENPORTS, OTTOMANS, TABLES, BOOK-CASES, CABINETS, BENCHES, PEDESTALS, ETC. LOS ANGELES PERIOD FURNITURE CO., Los Angeles, Calif.
Filed December 31, 1934. Serial No. 359,804. PUBLISHED APRIL 9, 1935. Class 32.

325,290. MAGAZINE. YOUTH PUBLISHING CORPORATION, New York, N. Y.
Filed January 2, 1935. Serial No. 359,875. PUBLISHED APRIL 9, 1935. Class 38.

325,291. CANNED CORN, CANNED PEAS, CANNED SALMON, CANNED TOMATOES, CANNED CATSUP, CANNED SARDINES, AND CANNED APPLES. PANKEY IMPORTING COMPANY, INC., Birmingham, Ala.
Filed January 2, 1935. Serial No. 359,901. PUBLISHED APRIL 9, 1935. Class 46.

325,292. SOLVENTS FOR CLEANING PURPOSES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed February 25, 1935. Serial No. 361,825. PUBLISHED APRIL 9, 1935. Class 4.

325,293. WEEKLY NEWSPAPER. W. O. V. PUBLISHING, INC., New York, N. Y.
Filed February 25, 1935. Serial No. 361,830. PUBLISHED APRIL 9, 1935. Class 38.

325,294. TENNIS RACKETS. A. G. SPALDING & BROS., New York, N. Y.
Filed February 26, 1935. Serial No. 361,854. PUBLISHED APRIL 9, 1935. Class 22.

325,295. CANDY. TASTYEAST, INC., doing business as Green Bros., Trenton, N. J.
Filed February 27, 1935. Serial No. 361,914. PUBLISHED APRIL 9, 1935. Class 46.

325,296. TENNIS BALLS AND GUT STRINGS FOR TENNIS RACKETS. THE E. P. JUNEMAN CORPORATION, Chicago, Ill.
Filed February 28, 1935. Serial No. 361,968. PUBLISHED APRIL 9, 1935. Class 22.

325,297. CANNED SALMON AND SARDINES. ISIDORE OSTROVER, New York, N. Y.
Filed February 28, 1935. Serial No. 361,985. PUBLISHED APRIL 9, 1935. Class 46.

325,298. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co., New York, N. Y.
Filed March 1, 1935. Serial No. 362,009. PUBLISHED APRIL 9, 1935. Class 22.

325,299. BEER. PROGRESS BREWING COMPANY, INC., Oklahoma City, Okla.
Filed March 5, 1935. Serial No. 362,149. PUBLISHED APRIL 9, 1935. Class 48.

325,300. MAGAZINE. I. D. M. PUBLISHING CO. INC., New York, N. Y.
Filed September 19, 1933. Serial No. 341,714. PUBLISHED NOVEMBER 28, 1933. Class 38.

325,301. VACCINES. LABORATORIO BRASILEIRO DE CHIMIOTHERAPIA, LTDA., Rio de Janeiro, Brazil.
Filed September 29, 1933. Serial No. 342,008. PUBLISHED APRIL 9, 1935. Class 6.

325,302. FRESH DECIDUOUS FRUITS. WENATCHEE JIM HILL GROWERS, INC., Wenatchee, Wash., now by change of name, Apple Capital Growers, Inc.
Filed November 21, 1933. Serial No. 343,936. PUBLISHED APRIL 2, 1935. Class 46.

325,303. TOY FAVORS USED AS TABLE DECORATIONS. MARGARET A. OWENS, Pittsburgh, Pa.
Filed December 12, 1933. Serial No. 344,805. PUBLISHED APRIL 9, 1935. Class 22.

325,304. COLOGNE, FACE POWDER, HAIR TONIC, ROUGE, SKIN CREAM, NAIL POLISH AND DEODORANT, ETC. WALDO E. BUGBEE, New York, N. Y.
Filed January 20, 1934. Serial No. 346,287. PUBLISHED MAY 29, 1934. Class 6.

325,305. CHEMICAL FEEDERS, HYDRAULIC CONTROL TABLES, LIQUID FLOW CONTROLLERS, LIQUID FLOW INDICATORS, FLUID GAUGES, HYDRAULIC LEVEL CONTROLLERS, CHEMICAL PROPORTIONERS, LIQUID SAMPLING TABLES, SEWAGE METERS, VENTURI TYPE METERS, AND VENTURI TUBES. INTERNATIONAL FILTER COMPANY, Chicago, Ill.
Filed January 25, 1934. Serial No. 346,513. PUBLISHED APRIL 9, 1935. Class 26.

325,306. CONDENSED PURE CULTURE OF BACILLUS ACIDOPHILUS IN SOY BEAN MILK. UNITED LABORATORIES, LTD., Pasadena, Calif.
Filed March 7, 1934. Serial No. 348,303. PUBLISHED APRIL 9, 1935. Class 6.

325,307. EGGS. HARRY WILLNER, Long Island City, N. Y.
Filed March 9, 1934. Serial No. 348,419. PUBLISHED APRIL 9, 1935. Class 46.

325,308. CANDY. THE GEORGE CLOSE COMPANY, Cambridge, Mass.
Filed October 15, 1934. Serial No. 357,117. PUBLISHED APRIL 9, 1935. Class 46.

325,309. PREPARATION FOR USE AS A PRESERVATIVE OF FOOD PRODUCTS AND PHARMACEUTICAL PREPARATIONS. SEYDEL CHEMICAL COMPANY, Jersey City, N. J.
Filed November 1, 1934. Serial No. 357,787. PUBLISHED APRIL 2, 1935. Class 6.

325,310. PITCH, ESPECIALLY FOR USE IN BREWERIES; PITCH-LIKE GOODS FOR LINING OF THE CONTAINERS FOR THE FERMENTATION, STORAGE, AND TRANSPORTATION OF LIQUIDS FOR USE IN THE BEVERAGE INDUSTRY AND FERMENTATION BUSINESS. CHEMISCHE WERKE MARIENFELDE A. G., Berlin-Marienfelde, Germany.
Filed November 6, 1934. Serial No. 357,942. PUBLISHED APRIL 9, 1935. Class 1.

325,311. WRITING PAPER. LKE PAPER COMPANY, Vicksburg, Mich.
Filed November 6, 1934. Serial No. 357,955. PUBLISHED APRIL 9, 1935. Class 37.

325,312. PREPARATION FOR THE TREATMENT OF AILMENTS OF THE LIVER, KIDNEYS, AND BLADDER, AND FOR COLIC, NEPHRITIS, AND MENSTRUAL DISTURBANCES. MARCEL DE LANNOISE, doing business as Laboratoire Schoum, Becon-les-Bruyeres, France.
Filed November 14, 1934. Serial No. 358,201. PUBLISHED APRIL 2, 1935. Class 6.

325,313. PERIODICAL PUBLISHED WEEKLY. THE STEVENS-DAVIS CO., Chicago, Ill.
Filed November 22, 1934. Serial No. 358,535. PUBLISHED APRIL 9, 1935. Class 38.

325,314. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT—NAMELY, BEER, ALE, PORTER. C. SCHMIDT & SONS, INC., Philadelphia, Pa.
Filed November 26, 1934. Serial No. 358,656. PUBLISHED APRIL 9, 1935. Class 48.

325,315. PLASTICIZING AND SOFTENING AGENTS FOR CELLULOSE DERIVATIVES, NATURAL AND ARTIFICIAL RESINS, DRYING OILS, CHLORINATED RUBBER, AND THE LIKE. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed December 3, 1934. Serial No. 358,846. PUBLISHED APRIL 2 1935. Class 6.

325,316. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF. ROLLS-ROYCE, LIMITED, Derby, England.
Filed December 6, 1934. Serial No. 359,007. PUBLISHED APRIL 9, 1935. Class 28.

325,317. RICE, COFFEE, TEA, AND SPICES. QUAKER CITY COFFEE MILLS, INC., Philadelphia, Pa
Filed December 7, 1934. Serial No. 359,053. PUBLISHED APRIL 9, 1935. Class 46.

325,318. DYES AND CHEMICALS SUITABLE FOR APPLICATION IN DYEING. THE J. S. YOUNG COMPANY, Baltimore, Md.
Filed December 7, 1934. Serial No. 359,072. PUBLISHED APRIL 2, 1935. Class 6.

325,319. SPRING BOTTOMS FOR CHAIRS, BEDS, COUCHES, AND THE LIKE. IRVING H. STERN, Boston, Mass.
Filed December 7, 1934. Serial No. 359,059. PUBLISHED APRIL 9, 1935. Class 32.

325,320. SKETCHES OF DESIGNS AND DETAILS FOR FURNITURE AND FURNITURE HARDWARE. KIMERLY STUDIO, Grand Rapids, Mich.
Filed February 7, 1935. Serial No. 361,133. PUBLISHED APRIL 9, 1935. Class 38.

325,321. JACKETED, INSULATED METAL AND/OR FIBRE CONTAINERS FOR LIQUIDS, SOLD TO THE TRADE EMPTY. W. & A. PRODUCTS, INC., Cambridge, Mass.
Filed February 6, 1935. Serial No. 361,130. PUBLISHED APRIL 9, 1935. Class 2.

325,322. PRODUCTS FOR DYEING, FINISHING, AND PROCESSING TEXTILES. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,122. PUBLISHED APRIL 9, 1935. Class 6.

325,323. OINTMENT OR SALVE FOR EXTERNAL TREATMENT OF HEAD AND CHEST COLDS, LOCAL CONGESTION AND IRRITATION DUE TO COLDS. GEORGIAN PHARMACAL CO., Atlanta, Ga.
Filed February 6, 1935. Serial No. 361,089. PUBLISHED APRIL 9, 1935. Class 6.

325,324. PADS USED IN THE PERMANENT WAVING OF HUMAN HAIR. E. FREDERICS, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,087. PUBLISHED APRIL 9, 1935. Class 44.

325,325. MANUALLY AND/OR POWER OPERATED TOOLS AND/OR MACHINES, PARTS THEREOF, APPURTENANCES THERETO, AND/OR ACCESSORIES THEREFOR FOR USE IN CUTTING, THREADING, REAMING, HOLDING, AND/OR FABRICATING STOCK AS PIPES, TUBES, RODS, AND/OR BARS, ETC. THE TOLEDO PIPE THREADING MACHINE CO., Toledo, Ohio.
Filed February 5, 1935. Serial No. 361,066. PUBLISHED APRIL 9, 1935. Class 23.

325,326. GOLD LEAF, ROLL GOLD LEAF, SILVER LEAF, ALUMINUM LEAF, AND COMPOSITION LEAF. W. H. KEMP CO., New York, N. Y.
Filed February 4, 1935. Serial No. 361,018. PUBLISHED APRIL 9, 1935. Class 14.

325,327. WINES. FRANEK & COMPANY, INC., New Orleans, La.
Filed February 4, 1935. Serial No. 361,006. PUBLISHED APRIL 9, 1935. Class 47.

325,328. MEDICATED PADS, MEDICATED FABRICS, AND MEDICAMENTS FOR USE ON FEET. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio
Filed February 4, 1935. Serial No. 361,005. PUBLISHED APRIL 9, 1935. Class 6.

325,329. PREPARATION FOR EXTERMINATING RATS AND MICE. CORN FIX COMPANY, INC., Newark, N. J.
Filed February 4, 1935. Serial No. 360,992. PUBLISHED APRIL 9, 1935. Class 6.

325,330. LAXATIVES. BURRELL-DUGGER COMPANY, Indianapolis, Ind.
Filed February 4, 1935. Serial No. 360,987. PUBLISHED APRIL 9, 1935. Class 6.

325,331. DRESS AND NEGLIGEE SHIRTS AND COLLARS. WEBER & HEILBRONER, INC., New York, N. Y.
Filed February 2, 1935. Serial No. 360,976. PUBLISHED APRIL 9, 1935. Class 39.

325,332. MEASURING MEDICINE SPOON. MAURICE KOLB, New York, N. Y.
Filed February 2, 1935. Serial No. 360,967. PUBLISHED APRIL 9, 1935. Class 26.

325,333. ANTISEPTIC AND BACTERIACIDE. LOUIS CLEMENT, New York, N. Y.
Filed February 1, 1935. Serial No. 360,954. PUBLISHED APRIL 2, 1935. Class 6.

325,334. MUSICAL INSTRUMENTS INCLUDING CORNETS, TRUMPETS, CLARINETS, TROMBONES, SAXOPHONES, ALTO HORNS, BARITONES, AND BASSES. THE H. N. WHITE CO., Cleveland, Ohio.
Filed February 1, 1935. Serial No. 360,946. PUBLISHED APRIL 9, 1935. Class 36.

325,335. HORMONE PREPARATION RECOMMENDED FOR THE TREATMENT OF DEFICIENCIES IN THE FEMALE SEX CYCLE. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 31, 1935. Serial No. 360,906. PUBLISHED APRIL 2, 1935. Class 6.

325,336. PREPARATION FOR TREATMENT OF DANDRUFF AND HAIR. DAND-ER-O LABORATORIES, Cleveland, Ohio.
Filed January 31, 1935. Serial No. 360,881. PUBLISHED APRIL 9, 1935. Class 6.

325,337. TYPE. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J.
Filed January 31, 1935. Serial No. 360,873. PUBLISHED APRIL 9, 1935. Class 14.

325,338. INTERNAL MEDICINE FOR RELIEF OF NEURITIS, RHEUMATISM, AND MUSCULAR ACHES AND PAINS. THEODORE BUSCHEMEYER, doing business as Heywood Laboratories, Louisville, Ky.
Filed January 30, 1935. Serial No. 360,839. PUBLISHED APRIL 2, 1935. Class 6.

325,339. FISH MEAL USED AS A FERTILIZER. CALIFORNIA PACKING CORPORATION, San Francisco, Calif.
Filed January 29, 1935. Serial No. 360,821. PUBLISHED APRIL 9, 1935. Class 10.

325,340. WALL PAPER. STAR-PEERLESS WALL PAPER MILLS, Chicago, Ill.
Filed September 15, 1933. Serial No. 341,610. PUBLISHED APRIL 9, 1935. Class 37.

325,341. CLUTCH PLATES. THE OHIO CUSHION PLATE COMPANY, Cleveland, Ohio.
Filed May 18, 1933. Serial No. 337,966. PUBLISHED APRIL 9, 1935. Class 23.

325,342. MALT CEREAL BEVERAGE HAVING NOT OVER THE LEGAL ALCOHOLIC CONTENT. MILONAS & SONS, doing business as General Enterprise Co., San Francisco, Calif.
Filed May 12, 1933. Serial No. 337,751. PUBLISHED OCTOBER 2, 1934. Class 48.

325,343. PEPPER SAUCE, JELLY POWDER, COCOA, MINT SAUCE, ONION SALT, CHILI POWDER. THE FRANK TEA & SPICE CO., Cincinnati, Ohio.
Filed September 19, 1927. Serial No. 254,908. PUBLISHED APRIL 9, 1935. Class 46.

325,344. WOMEN'S DRESSES AND NEGLIGEES. A. BARSA & BRO. INC., New York, N. Y.
Filed October 5, 1934. Serial No. 356,793. PUBLISHED APRIL 9, 1935. Class 39.

325,345. BREAD AND ROLLS. WILLIAM A. SCHAFTZ, Scranton, Pa.
Filed October 4, 1934. Serial No. 356,782. PUBLISHED DECEMBER 11, 1934. Class 46.

325,346. VIOLINS, BUGLES, KEY BUGLES, CLARINETS, ALTO HORNS, ENGLISH HORNS, MUSICAL HORNS, CORNETS; WITH REGISTERS, FLUTES, BASSOONS, SAXHORNS, SAXOPHONES, DRUMS, TROMBONES, TRUMPETS. SOCIÉTÉ ANONYME COUESNON & CIE, Paris, France.
Filed October 2, 1934. Serial No. 356,679. PUBLISHED APRIL 9, 1935. Class 36.

325,347. CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed September 29, 1934. Serial No. 356,572. PUBLISHED APRIL 9, 1935. Class 23.

325,348. CABINETS, FILES, FILE CABINETS; INDEXING, RECORDING, AND FILING SYSTEMS COMPRISING CABINETS, CASES, AND TRAYS OR PARTS THEREOF AND RECORD AND CARD HOLDING BOARDS AND FRAMES, AND RECORD, INDEX, AND CARD HOLDING RACKS, ALL CONSTITUTING OFFICE FURNITURE. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed September 14, 1934. Serial No. 356,059. PUBLISHED NOVEMBER 6, 1934. Class 32.

325,349. ALE. COLD SPRING BREWING COMPANY, Lawrence, Mass.
Filed September 12, 1934. Serial No. 355,962. PUBLISHED APRIL 9, 1935. Class 48.

325,350. SYNTHETIC THREADS, CORDS, RIBBONS, TUBES, AND OTHER FILM-LIKE ARTICLES OF THE TYPE USED BY SURGEONS FOR CLOSING OR DRAINING WOUNDS, ETC. CHEMISCHE FORSCHUNGSGESELLSCHAFT m. b. H., Munich, Germany.
Filed September 11, 1934. Serial No. 355,930. PUBLISHED APRIL 9, 1935. Class 44.

325,351. SYNTHETIC THREADS, CORDS, RIBBONS, TUBES, AND OTHER FILM-LIKE ARTICLES OF THE TYPE USED BY SURGEONS FOR CLOSING OR DRAINING WOUNDS, ETC. CHEMISCHE FORSCUNGSGESELLSCHAFT m. b. H., Munich, Germany.
Filed September 11, 1934. Serial No. 355,929. PUBLISHED APRIL 9, 1935. Class 44.

325,352. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed September 7, 1934. Serial No. 355,762. PUBLISHED APRIL 9, 1935. Class 46.

325,353. SAWS AND SAW TEETH. W. F. MEYERS COMPANY, INC., Bedford, Ind.
Filed August 25, 1934. Serial No. 355,441. PUBLISHED APRIL 9, 1935. Class 23.

325,354. SAND AND MIXTURES INCLUDING SAND AND PULVERULENT GLASS. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio.
Filed August 23, 1934. Serial No. 355,363. PUBLISHED APRIL 9, 1935. Class 1.

325,355. WEEKLY MAGAZINE AND SPECIAL EDITIONS. F. W. DODGE CORPORATION, New York, N. Y.
Filed February 25, 1935. Serial No. 361,799. PUBLISHED APRIL 9, 1935. Class 38.

325,356. DRAIN PIPE SOLVENT. MERCHANTS SERVICE CORPORATION, Chicago, Ill.
Filed February 23, 1935. Serial No. 361,757. PUBLISHED APRIL 9, 1935. Class 6.

325,357. FACIAL TISSUE AND TISSUE HANDKERCHIEFS. TISSUE BRANDS, INC., New York, N. Y.
Filed February 23, 1935. Serial No. 361,782. PUBLISHED APRIL 9, 1935. Class 37.

325,358. CHEESE. PURE MILK DAIRY PRODUCTS, INC., Elgin, Ill.
Filed February 23, 1935. Serial No. 361,773. PUBLISHED APRIL 9, 1935. Class 46.

325,359. SECTION OF A MONTHLY PUBLICATION. BUSINESS JOURNALS, INC., New York, N. Y.
Filed February 23, 1935. Serial No. 361,722. PUBLISHED APRIL 9, 1935. Class 38.

325,360. CORRUGATED PAPER DISPLAY MATERIAL. EXCELSIOR PAPER SPECIALTIES CO. INC., New York, N. Y.
Filed February 21, 1935. Serial No. 361,671. PUBLISHED APRIL 9, 1935. Class 37.

325,361. FACIAL TISSUES. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed February 20, 1935. Serial No. 361,663. PUBLISHED APRIL 9, 1935. Class 37.

325,362. SHEARS. SEYMOUR SMITH & SON, INC., Oakville, Conn.
Filed January 19, 1935. Serial No. 360,444. PUBLISHED APRIL 9, 1935. Class 23.

325,363. TONIC FORMULA, AND MORE PARTICULARLY A GLANDULAR SOLUTION FOR ORAL USE TO GIVE ENDOCRINE SUPPORT TO THE ADRENAL SYSTEM AND THE RETICULO-ENDOTHELIAL CELLS, PARTICULARLY IN CONNECTION WITH DEPLETING FEBRILE TOXEMIAS. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed January 18, 1935. Serial No. 360,410. PUBLISHED APRIL 2, 1935. Class 6.

325,364. STRUCTURAL SHAPES FOR HANDBAGS—NAMELY, FRAMES, EDGINGS, AND THE LIKE. FANG-GRIP CORPORATION, Brooklyn, N. Y.
Filed January 19, 1935. Serial No. 360,434. PUBLISHED APRIL 9, 1935. Class 3.

325,365. ELECTRIC LIGHTING FIXTURES OF THE WALL BRACKET TYPE. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y.
Filed January 17, 1935. Serial No. 360,366. PUBLISHED APRIL 9, 1935. Class 21.

325,366. METALLIC COMMINUTED PARAMAGNETIC MATERIAL FOR USE IN LOCATING DEFECTS IN MAGNETIC BODIES. MAGNAFLUX CORPORATION, New York, N. Y.
Filed January 17, 1935. Serial No. 360,364. PUBLISHED APRIL 9, 1935. Class 14.

325,367. TOY TRACING SETS. POWERS NEW PRODUCTS CORPORATION, Wilmington, Del., and New York, N. Y.
Filed February 12, 1935. Serial No. 361,331. PUBLISHED APRIL 9, 1935. Class 22.

325,368. WINES. JOHN G. DORN, Sandusky, Ohio.
Filed February 13, 1935. Serial No. 361,350. PUBLISHED APRIL 2, 1935. Class 47.

325,369. TOY TRACING SETS. POWERS NEW PRODUCTS CORPORATION, Wilmington, Del., and New York, N. Y.
Filed February 12, 1935. Serial No. 361,330. PUBLISHED APRIL 9, 1935. Class 22.

325,370. OLEAGINOUS COMPOSITION USED AS A PLASTICISER FOR PYROXYLIN AND THE LIKE PRODUCTS. DEECY PRODUCTS COMPANY, Cambridge, Mass.
Filed January 16, 1935. Serial No. 360,306. PUBLISHED APRIL 2, 1935. Class 6.

325,371. WOOD PULP. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y.
Filed January 15, 1935. Serial No. 360,270. PUBLISHED APRIL 9, 1935. Class 1.

325,372. CANNED FRUITS AND CANNED VEGETABLES — NAMELY, PEAS, SAUER KRAUT, BEETS, AND CHERRIES. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis.
Filed January 14, 1935. Serial No. 360,230. PUBLISHED APRIL 9, 1935. Class 46.

325,373. CHEMICAL METALLIC SEALING COMPOUND FOR REPAIRING LEAKS IN BOILERS, PIPING AND OTHER EQUIPMENT USED IN HOT WATER, STEAM, AND VAPOR HEATING SYSTEM JOBS. WILLIAM F. BOECKEL, doing business as Citrushine Manufacturing Co., Red Lion, Pa.
Filed January 14, 1935. Serial No. 360,208. PUBLISHED APRIL 2, 1935. Class 6.

325,374. CANNED FRESH TOMATOES AND CANNED TOMATO PASTE. FLOTILL PRODUCTS, INC., New York, N. Y.
Filed January 12, 1935. Serial No. 360,169. PUBLISHED APRIL 9, 1935. Class 46.

325,375. PAPERSHELL PECANS. BUTLER & CHOMARTIE, INC., Camilla, Ga.
Filed January 12, 1935. Serial No. 360,125. PUBLISHED APRIL 9, 1935. Class 46.

325,376. SOAP IN SOLID, LIQUID, SEMI-LIQUID, GRANULATED, SHREDDED AND/OR CHIP FORM. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 9, 1935. Serial No. 360,083. PUBLISHED APRIL 9, 1935. Class 4.

325,377. CREAMS, SALVES, OINTMENTS, POWDERS, LIQUIDS, PREPARATIONS FOR CLEANSING THE FEET, RELIEVING FOOT AILMENTS, AND ANTISEPTICIZING AND DEODORIZING THE FEET AND SHOES. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill.
Filed January 9, 1935. Serial No. 360,080. PUBLISHED APRIL 9, 1935. Class 6.

325,378. LICORICE MASS OR PASTE USED AS A FLAVORING, PRIMARILY IN TOBACCO, CANDY, AND DRUGS. THE TANNIN CORPORATION, New York, N. Y.
Filed January 5, 1935. Serial No. 360,052. PUBLISHED APRIL 9, 1935. Class 6.

325,379. INSECTICIDES, FUNGICIDES, AND FLOCCULATORS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 7, 1935. Serial No. 360,003. PUBLISHED APRIL 9, 1935. Class 6.

325,380. CARDS, PLACARDS, HANDBILLS, PAMPHLETS, PHOTOGRAPHS SOLD TO THE TRADE AS SUCH. HOGUE & TAYLOR COMPANY, New York, N. Y.
Filed January 7, 1935. Serial No. 359,992. PUBLISHED APRIL 9, 1935. Class 38.

325,381. FERTILIZERS. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed January 7, 1935. Serial No. 359,976. PUBLISHED APRIL 9, 1935. Class 10.

325,382. APPARATUS FOR ELECTRIC ARC WELDING. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed January 5, 1935. Serial No. 359,956. PUBLISHED APRIL 9, 1935. Class 21.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

325,383. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS PACKING COMPANY, Riverside, Calif. Filed Apr. 30, 1934. Serial No. 350,673

Flavor Cured

For Canned Olives.
Claims use since Mar. 5, 1934.

325,384. (CLASS 39. CLOTHING.) MAY-HOLL SALES CORPORATION, Los Angeles, Calif. Filed Apr. 30, 1934. Serial No. 350,741.

MODE O'DAY

For Ladies' and Girls' Dresses, Frocks, Coats, Suits, Petticoats, Slips, Underwear, and Hosiery, Made Wholly or in Part of Cotton, Silk, Linen, Woolens or Rayon.
Claims use since Apr. 2, 1934.

325,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VONEIFF-DRAYER CO., Baltimore, Md. Filed July 13, 1934. Serial No. 353,867.

KOOL KOATED

For Candies.
Claims use since May 10, 1934

325,386. (CLASS 32. FURNITURE AND UPHOLSTERY.) UNITED STATES CABINET BED CO., Brooklyn, N. Y. Filed Aug. 27, 1934. Serial No. 355,498.

Smoothedge COIL SPRING

For Bed Coil Springs.
Claims use since December, 1933.

325,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER MAID CO., INC., New York, N. Y. Filed Sept. 14, 1934. Serial No. 356,048.

COCONOG

For a Chocolate Malted Food Drink.
Claims use since May 2, 1934.

325,388. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Sept. 24, 1934. Serial No. 356,362.

Helene Curtis

For Whipped Cleansing Cream, Liquifying Cleansing Cream, Circulation Cream, Throat Cream, and Tissue Builder, Acne Cream, Liquid Lemon Cleansing Cream, Turtle Oil, Skin Freshener, Face Powder, Paste Rouge, Lipstick, Astringent Lotion, Dry Rouge, Eye Shadow, Mascara, Cream Nail Polish, Cuticle Oil, Nail Bleach, Permanent Wave Oil, and Brilliantine.
Claims use since Sept. 20, 1932.

325,389. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BON-TON INCORPORATED, Chicago, Ill. Filed Oct. 17, 1934. Serial No. 357,188.

Old Paducah

For Whiskey.
Claims use since May 8, 1934.

325,390. (CLASS 38. PRINTS AND PUBLICATIONS.) CHAIN PATTERN CORPORATION, New York, N. Y. Filed Nov. 28, 1934. Serial No. 358,722.

Claire Tilden

For Fashion Release Sheets of a Periodical Nature.
Claims use since Apr. 21, 1934.

325,391. (CLASS 38. PRINTS AND PUBLICATIONS.) HOUSEHOLD ARTS, INC., New York, N. Y. Filed Nov. 28, 1934. Serial No. 358,735.

Alice Brooks

For Pattern Release Sheets of a Periodical Nature. Claims use since Nov. 1, 1933.

325,392. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REIMERS ELECTRIC APPLIANCE COMPANY, West New York, N. J. Filed Jan. 12, 1935. Serial No. 360,182.

THE REIMERS

For Electric Pressing Irons, Electric Steam Irons, Electric Heating Elements or Refills for Sad-Irons; Electric Heating Pads Designed for General Bed Heating Purposes, Electric Die Heaters, Electric Hot Plates, Electric Hat Heaters for Use by Hat Cleaners, Electric Bottle Warmers and Special Electrically Heated Apparatus Such as Candy Heaters, Glue Pot Heaters, Heaters for Soldering Irons.

The trade-mark has been continuously used and applied to electric pressing irons since the year 1908; to electric die heaters since the year 1912; to electric hot plates since the year 1912; to electric hat heaters since the year 1927; to electric bottle warmers since the year 1928; to electric heating pads since the year 1925, and to electric steam irons since April, 1930.

325,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NAT P. STECKLER, doing business as United States Pharmaceutical Company, New York, N. Y. Filed Feb. 11, 1935. Serial No. 361,288.

Sure Test

For Pharmaceutical Preparations, as for Instance Ephedrine Sulphate, Ephedrine Inhalant Pink, Ephedrine Inhalant Plain, Ephedrine Nose Drops, Ephedrine Sulphate 3% Solution, Ephedrine Inhalant Compound, Ephedrine Alkaloid.

Claims use since Mar. 1, 1930.

325,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. N. FAGG, doing business as I. N. Fagg Company, Elgin, Tex. Filed Feb. 21, 1935. Serial No. 361,672.

FAGG'S

Wire Cut Liniment

For a Preparation for Use in the Treatment of Wire Cuts, Sore Shoulders, Galds, Saddle Sores, Sore Teats, and Any Surface Sore Where the Flesh is Cut or Torn. Claims use since June 1, 1932.

325,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN STEWART HOPKINS, doing business as Copper Hill Distributing Co., Butte, Mont. Filed Mar. 28, 1935. Serial No. 363,101.

HOPKINS

COOKEVEN

For Dry Soup Mixture Consisting of Vegetables and Cereals Packed in Cellophane.

Claims use since Jan. 15, 1934.

325,396. (CLASS 39. CLOTHING.) S. GOURSE & SONS, Fall River, Mass. Filed Apr. 3, 1935. Serial No. 363,363.

"Blackstone Worsteds"

For Men's Suits and Overcoats.

Claims use since 1925.

325,397. (CLASS 39. CLOTHING.) IRVING STEMPEL AND CO., INC., New York, N. Y. Filed Apr. 15, 1935. Serial No. 363,771.

MAN-TAILORED BY IRVING STEMPEL & CO.

For Ladies' Shirts and Shirtwaists, Dresses, Skirts, and Coats.

Claims use since October, 1933.

TRADE-MARK REGISTRATIONS RENEWED

101,618. A PREPARATION FOR THE DESTRUCTION OF RATS AND MICE. Registered January 5, 1915. BOTANICAL MANUFACTURING COMPANY, Wilmington, Del., and Philadelphia, Pa. Renewed January 5, 1935, to Essential Manufacturing Co., Philadelphia, Pa., a firm, successor.

101,728. CERTAIN NAMED HARDWARE SUPPLIES. Registered January 12, 1915. ANDREWS WIRE AND IRON WORKS, Rockford, Ill. Renewed January 12, 1935, to The Washburn Company, Worcester, Mass., a corporation of Massachusetts, assignee.

102,800. A PUBLICATION PUBLISHED PERIODICALLY. Registered February 23, 1915. INTERNATIONAL ASSOCIATION OF ROTARY CLUBS. Renewed February 23, 1935, to Rotary International, Chicago, Ill., a corporation of Illinois, assignee.

103,146. LINIMENTS, SALVES, AND DECOCTIONS MANUFACTURED FROM HERBS. Registered March 16, 1915. V. BAUDENDISTEL & SON. Renewed March 16, 1935, to Chas. D. Baudendistel, West New York, N. J., successor.

103,371. COFFEES, TEAS, RICE, SPICES, TAPIOCA, COCOA, AND FLAVORING EXTRACTS FOR USE IN FOODS. Registered March 30, 1915. C. F. BONSOR & CO., INC., Philadelphia, Pa., a corporation of New Jersey. Renewed March 30, 1935.

104,159. CERTAIN MALTED FOODS, IN PASTE FORM OR A DRY STATE. Registered May 4, 1915. THOMPSON'S MALTED FOOD COMPANY, Phoenix, Ariz., and Waukesha, Wis. Renewed May 4, 1935, to Borden's Milk Products Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

LABELS

REGISTERED JUNE 18, 1935

45,827.—*Title:* RELAXATION—NON-SLIP CORN PADS. For Corn Pads. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,828.—*Title:* RELAXATION—ADHESIVE MOLESKIN. For Adhesive, Medicated Moleskin for Relieving Pressure on Corns, Calluses, Bunions, and Tender Parts of the Feet Caused by Tight Shoes. ALLEN CHEMICAL CO. INC., New York, N. Y. Published February 1, 1935.

45,829.—*Title:* DWIN STAINLESS FLY KILLER. For a Liquid Preparation for Killing Flies. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published April 3, 1935.

45,830.—*Title:* COOKIE COAT. For Coats. BARMON BROTHERS COMPANY, INC., Buffalo, N. Y. Published May 22, 1935.

45,831.—*Title:* STAMP-VIEWS. For Miniature Views in Poster Stamp Form. JESSE L. BERNSTEIN, doing business as Stamp Guild, New York, N. Y. Published April 1, 1935.

45,832.—*Title:* NON-SHATNESS KOSHER CLOTHES. For Clothes. COMBINE CLOTHING EXCHANGE INC., New York, N. Y. Published March 2, 1935.

45,833.—*Title:* DIXIE BELLE. For Gin, Gin Compounds, and Gin Cocktails—Namely, Sloe Gin, Distilled Old Tom Gin, Enchu Gin Compounds, Vermouth Cocktail, and Bronx Cocktail. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published January 14, 1935.

45,834.—*Title:* CAPTAIN KIDD. For Straight Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published January 26, 1935.

45,835.—*Title:* AUTHENTIC. For Blended Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 11, 1935.

45,836.—*Title:* VIRGIN WAVE INGREDIENTS G V 57 PYRO-THY-MENE. For Permanent Wave Emulsions. SOLOMON DANK, Homewood, Ala. Published May 7, 1935.

45,837.—*Title:* CHRISTENA MAC M. DAY. For Hand Lotion. CHRISTENA MACMILLAN DAY, Birmingham, Mich. Published March 4, 1935.

45,838.—*Title:* THE NEEDLECRAFT SHOP. For Patterns. MAE BELLE EASTLAND, Chattanooga, Tenn. Published January 3, 1933.

45,839.—*Title:* SPECIAL WALDORF LAGER. For Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published May 10, 1935.

45,840.—*Title:* WALDORF SAMSON BRAU. For Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published May 17, 1935.

45,841.—*Title:* HAIRIGHT FOR OILY HAIR. For a Preparation for Oily Hair. FORTUNE LABORATORIES, INC., New York, N. Y. Published January 10, 1935.

45,842.—*Title:* HAIRIGHT FOR DRY HAIR. For a Preparation for Dry Hair. FORTUNE LABORATORIES, INC., New York, N. Y. Published January 10, 1935.

45,843.—*Title:* HAIRIGHT TO REMOVE DANDRUFF. For a Preparation to Remove Dandruff. FORTUNE LABORATORIES, INC., New York, N. Y. Published January 10, 1935.

45,844.—*Title:* HAIRIGHT FOR FALLING HAIR. For a Preparation for Falling Hair. FORTUNE LABORATORIES, INC., New York, N. Y. Published January 10, 1935.

45,845.—*Title:* SEAL OF ACCEPTANCE AND APPROVAL. For Garments. FUR GUILD BUREAU OF STANDARDS, INCORPORATED, New York, N. Y. Published January 3, 1935.

45,846.—*Title:* RECORD BREAKER. For Gasoline. GILMORE OIL COMPANY, Los Angeles, Calif. Published May 17, 1935.

45,847.—*Title:* NORTH EAST BRAND FANCY FILLETS. For Fillets of Fish. GLOUCESTER FRESH FISH COMPANY, Boston, Mass. Published April 16, 1935.

45,848.—*Title:* RED CAPS CAPSULES FOR BETTER HEALTH. For Capsules. THE JOHN HARVEY DRUG CO., Detroit, Mich. Published March 18, 1935.

45,849.—*Title:* JOHNSONS DYNE-MEAL. For a Cereal. H. B. JOHNSON, Rochelle, Ill. Published January 29, 1935.

45,850.—*Title:* MEAD'S LAUNDERED SMOKELESS COAL. For Coal. C. H. MEAD COAL COMPANY, Beckley, W. Va. Published April 15, 1935.

45,851.—*Title:* FIREPROOF CLEANER. For Cleaner for Rugs, Carpets, Etc. EDWARD B. MILLOY, doing business as Fireproof Cleaner Company, Cleveland, Ohio. Published February 18, 1935.

45,852.—*Title:* BOY'S HAIR LOTION. For Hair Lotion. OGILVIE SISTERS LABORATORIES, INC., New York, N. Y. Published December 10, 1934.

45,853.—*Title:* GIRL'S HAIR LOTION. For Hair Lotion. OGILVIE SISTERS LABORATORIES, INC., New York, N. Y. Published December 10, 1934.

45,854.—*Title:* NU-EZE NATURE'S FOOT SALT. For Foot Salt. PHILO, Union City, N. J. Published April 19, 1935.

45,855.—*Title:* WILD TIGER. For Leather Beltings for Machines. SAMUEL SCHWARTZ, New York, N. Y. Published May 8, 1935.

45,856.—*Title:* SIMORA COSMETICS. For Cosmetics. EMMA SIMMONS, Fort Wayne, Ind. Published April 16, 1935.

45,857.—*Title:* THOMSON VULTA COVERING CEMENT. For Cement. THOMSON MACHINE COMPANY, Belleville, N. J. Published December 5, 1934.

45,858.—*Title:* THRIFT STEEL-HEEL PLATES. For Steel Heel Plates. LEON WEINSTEIN, St. Louis, Mo. Published April 15, 1935.

45,859.—*Title:* SOCKO INSECT SPRAY. For Insecticide. ROBERT C. WHITE COMPANY, Falls of Schuylkill, Philadelphia, Pa. Published April 9, 1935.

45,860.—*Title:* SEMPER-VIGILANS. For Hosiery. WILSON MILLS, INC., Burlington, N. C. Published January 2, 1935.

45,861.—*Title:* SOL WRIGHT'S BLUE ROSE RICE. For Rice. SALMAN L. WRIGHT, Crowley, La. Published April 11, 1935.

PRINTS

REGISTERED JUNE 18, 1935

15,220.—*Title:* IDOLITA—HOLE IN THE HEAD—DON'T BITE JUST LITE. For Cigars. JOSE ESCALANTE & Co., Chicago, Ill. Published May 8, 1935.

15,221.—*Title:* I'LL TAKE A CHANCE DEEP SEA DIVING—BUT I DON'T WANT ANOTHER BLOW-OUT (Ad No. GBC–53). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published May 18, 1935.

15,222.—*Title:* KEEP THE FRAGRANT MOUTH OF YOUTH. For a Preparation Used as a Mouthwash, an Astringent, and a Deodorant. THE LAVORIS COMPANY, Minneapolis, Minn. Published March 22, 1935.

15,223.—*Title:* BRANDIMIST. For Soft Drinks. A. D. LEWIS, Atlanta, Ga. Published December 15, 1934.

15,224.—*Title:* MARKWELL STAPLERS. For Tackers, Fasteners, Staplers, Stitchers, and Staples. MARKWELL MFG. CO. INC., New York, N. Y. Published April 15, 1935.

15,225.—*Title:* MARKWELL NU-PIN. For Staplers. MARKWELL MFG. CO., INC., New York, N. Y. Published April 15, 1935.

15,226.—*Title:* FOR FEET'S SAKE, PEDAL-FLEX. BUILDS THE ARCH WHILE YOU WALK. For Arch Supports. D. H. PLACKARD, San Antonio, Tex. Published May 4, 1935.

15,227.—*Title:* FOR THE ENTIRE FAMILY—LUXAMIN. For a Preparation for the Treatment of Nervousness, Constipation, Indigestion, Low Energy, Spring Fever, Poor Appetite, and Skin Trouble. VITA-LUX PRODUCTS, INC., New York, N. Y. Published April 1, 1935.

REISSUES

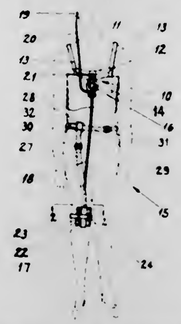
JUNE 18, 1935

19,609
HEARING DEVICE SUPPORT

Minnie Albert, Brooklyn, N. Y.

Original No. 1,910,875, dated May 23, 1933, Serial No. 651,752, January 14, 1933. Application for reissue January 14, 1935, Serial No. 1,826

6 Claims. (Cl. 179—107)



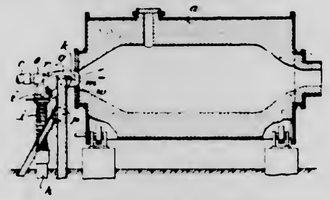
1. An appliance for supporting an electrical hearing device on a person, comprising a strap fixed at both ends to the shoulder straps and adapted for hanging a transmitter intermediate said ends and centrally of said person and apportioning the weight of said transmitter equally to both shoulders, a belt having means for attachment to the waist, a bag and battery supporting-strap having means for attachment to a thigh, said bag serving to house said battery therein and being fixed to and depending from said waist belt and in slidable relation with said thigh strap, whereby said bearing device is supported without hampering the movements of said person.

19,610
PROCESS AND DEVICE FOR THE PRODUCTION OF IRON ALLOYS FREE FROM GASES, ESPECIALLY OXYGEN

Carl Brackelsberg, deceased, late of Milspe, Germany, by Augusta Brackelsberg, administratrix, Milspe, Germany

Original No. 1,807,468, dated May 26, 1931, Serial No. 337,747, February 6, 1929. Application for reissue May 22, 1933, Serial No. 672,330. In Germany February 16, 1928

8 Claims. (Cl. 75—45)



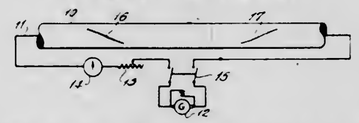
1. The process for the production of ferrous metals substantially free from gases and oxygen, which consists in melting a charge of metal in a rotary furnace by means of the direct heat of the combustion gases from coal dust applied directly on the charge and after the surface of the metal has become covered with a thin unbroken layer of slag, continuing the heating of the liquid metal by transmission of heat thereto through the walls of the furnace while the thin interposed layer of slag protects the metal from direct contact with the furnace gases.

19,611
MAGNETIC TESTING METHOD AND MEANS

Alfred V. de Forest, Cambridge, Mass., assignor, by mesne assignments, to Magnaflux Corporation, a corporation of Pennsylvania

Original No. 1,960,898, dated May 29, 1934, Serial No. 375,984, July 5, 1929. Application for reissue March 23, 1935, Serial No. 12,714

14 Claims. (Cl. 175—183)



1. The method of detecting defects in a metallic object, which consists in subjecting the object to the action of a magnetic field, spraying upon the object finely divided paramagnetic particles individually coated with lubricating material, and noting adherence of the particles to the object.

19,612
COATING COMPOSITION

William Koch, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 1,957,786, dated May 8, 1934, Serial No. 626,226, July 29, 1932. Application for reissue April 27, 1935, Serial No. 18,691

23 Claims. (Cl. 134—17)

1. A coating composition including chlorinated rubber and an abietic acid ester of the group alkyl and aralkyl esters and a solvent.

19,613
PLANETARY TYPE SURFACING MACHINE

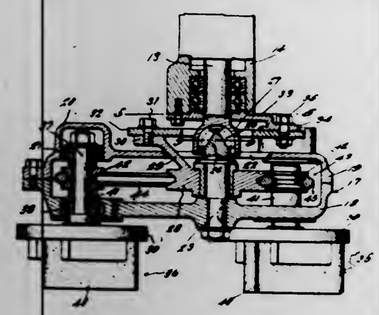
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio

Original No. 1,919,389, dated July 25, 1933, Serial No. 614,182, May 28, 1932. Application for reissue April 1, 1935, Serial No. 14,960

13 Claims. (Cl. 51—177)

1. In a machine of the class described, a fixed guide, a power actuated drive shaft mounted for rotation in said guide, a revoluble head, a plurality of rotary surfacing units mounted on said head, a driven shaft in alinement with said drive shaft, a universal joint securing said shafts together for simultaneous rotation, said driven shaft being keyed to said head to revolve the head, a flexible annular web, means fixedly securing said web to the guide, a fixed friction drive member surrounding said driven shaft and connected

with said web, the web being interposed between said member and guide, and operating means for



said rotary units cooperable with said fixed driving member.

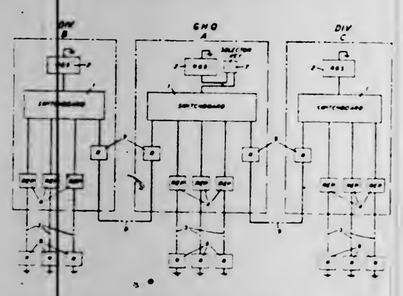
19,614

TELEGRAPH COMMUNICATION SYSTEM

Donald B. Perry, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Original No. 1,856,224, dated May 3, 1932, Serial No. 442,890, June 21, 1930. Application for reissue March 21, 1934, Serial No. 716,728

15 Claims. (Cl. 178—2)



1. A printing telegraph system of the type used for broadcasting messages from a central station to a plurality of remote stations, said remote stations in turn rebroadcasting the messages to a plurality of branch stations local to each remote station characterized in this, that the remote stations are normally not in condition to rebroadcast messages received by them and that a special circuit arrangement is utilized at the remote stations for conditioning apparatus at said stations for automatically rebroadcasting, said circuit arrangement being responsive to code signals from said central station.

19,615

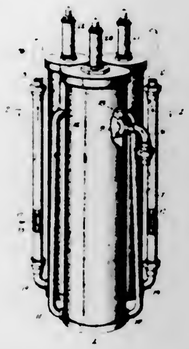
LIQUID COOLING APPARATUS

Leo Samel, Irvington, N. J.

Original No. 1,985,263, dated December 25, 1934, Serial No. 696,582, November 3, 1933. Application for reissue April 4, 1935, Serial No. 14,638

13 Claims. (Cl. 225—40)

1. A liquid cooling apparatus comprising a main container, a plurality of auxiliary containers, means providing communication between the bottom of the main container and the top portion of the respective auxiliary containers, means for directing liquid into the main container, a pipe for directing liquid from the bottom of the



auxiliary containers, a housing surrounding and spaced from said pipe, said housing acting in the double capacity of protecting means and insulating means, and a vent valve provided at the highest point in each of said containers.

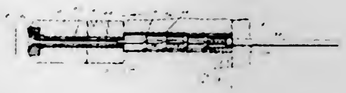
19,616

METHOD OF AND APPARATUS FOR FORGING UPSET ARTICLES

William Henry Spire, Cleveland, Ohio, assignor, by mesne assignments, to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Original No. 1,856,440, dated May 3, 1932, Serial No. 358,032, April 25, 1929. Application for reissue February 25, 1933, Serial No. 658,633

9 Claims. (Cl. 78—17)



1. In an apparatus of the character described, the combination of a reciprocating die head, an ejector member adapted to eject work pressed into a cavity formed in the die head, said ejector member at all times disposed within and forming the end of the die cavity and receiving the thrust of the blank when subjected to working strains, means shiftable relative to the die for laterally supporting the ejector member when said member is subjected to working strains, and means for repositioning said shiftable means.

19,617

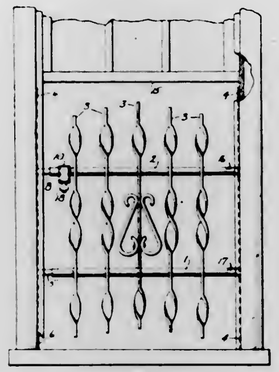
WINDOW GUARD

Huntington van Dresser, Memphis, Tenn., assignor to William van Dresser, Lincolnton, N. C.

Original No. 1,873,229, dated August 23, 1932, Serial No. 558,372, August 20, 1931. Application for reissue May 23, 1934, Serial No. 727,170

6 Claims. (Cl. 20—71)

1. A device of the class described comprising a number of tubular members, spaced bars supported by the members, a pair of plates for engaging sash guides in the window, and lugs carried by the plates for entering the ends of the



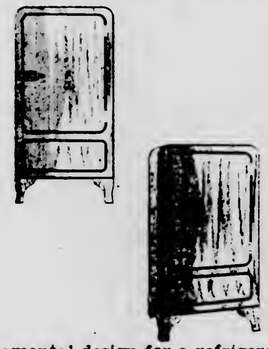
tubular members, and means for locking one of the tubular members to one of said lugs.

19,618

DESIGN FOR A REFRIGERATOR CABINET

Clarence Wexelberg, Detroit, Mich., assignor, by mesne assignments, to General Household Utilities Company, Chicago, Ill., a corporation of Delaware

Original No. 93,314, dated September 11, 1934, Serial No. 46,312, December 5, 1932, for 14 years. Application for reissue February 15, 1935, Serial No. 55.455. Term of patent 14 years

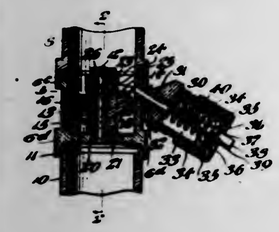


The ornamental design for a refrigerator cabinet substantially as shown.

PATENTS

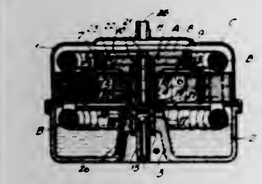
GRANTED JUNE 18, 1935

2,004,919
GASOLINE VAPOR AND AIR MIXING DEVICE
William S. Alvey and John M. Mikkelsen, Philadelphia, Pa.
Application May 20, 1933, Serial No. 671,998
1 Claim. (Cl. 48—180)



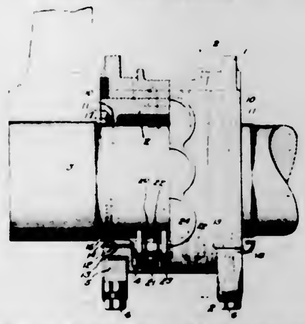
A gas mixing device comprising a tubular member; a cross bar spanning one end of said member; a fixed post coaxially arranged with respect to said member; a unitary casting shaped to form propeller and breaker blades mounted on said post; a nut engaging the end of said post remote from said cross bar; and ball bearings between one end of said casting and said cross bar and between the other end of said casting and said nut, whereby said casting is rotatively supported at both ends on a post supported at one end only.

2,004,920
ROTARY COMPRESSOR
Edward H. Belden, Detroit, Mich.
Application July 18, 1932, Serial No. 623,174
3 Claims. (Cl. 230—140)



1. The combination with a tight housing having an oil receptacle in its lower portion of an electric motor and a compressor in said housing, said housing having the middle of its bottom portion arranged to receive a vertically disposed stub spindle and a horizontal annular shoulder, a vertically disposed stub spindle fixed in said bottom portion with a helical groove on its outer surface and having its topmost portion arranged to form an eccentric spindle, said motor having an armature sleeve journaled on said spindle with its lower end supported by said shoulder, said compressor comprising a casing concentric with said armature and with its bottom directly connected with said armature sleeve, a circular impeller in said casing mounted on said eccentric spindle, and a vertically slidable spring-pressed sleeve mounted in the main spindle and bearing against the top of said casing, said housing having a passageway extending from the lower portion of the oil receptacle and communicating with the outer surface of said spindle.

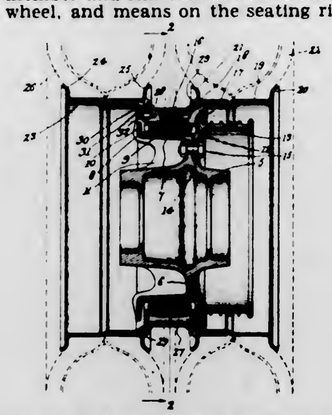
2,004,921
BOX AND BEARING FOR RAILWAY VEHICLES
Joseph Norton Blue, Big Spring, Tex.
Application August 22, 1933, Serial No. 686,277
1 Claim. (Cl. 308—80)



A journal for railway vehicles comprising a box to receive therein an axle and having semi-circular packing grooves each arranged adjacent an end of the box and located in the lower half of said box, a bearing in the upper half of the box and engaging the axle and having semi-circular packing grooves aligning with and communicating with said first packing grooves, annular packing housings mounted in said grooves about the axle and having channels in the inner peripheries thereof and provided with lubricant drain openings extending through the outer peripheries to communicate the channels with the packing grooves and the latter being in communication with the lower half of the box, sectional packing rings mounted in the channels of the housing and having spring grooves in their outer peripheries, and coiled springs encircling the rings and resting in the spring grooves to urge the rings against the axle to prevent escape of lubricant from the box in an endwise direction of the axle.

2,004,922
TWIN TIRE CONSTRUCTION FOR VEHICLES
Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France
Application April 7, 1934, Serial No. 719,571
5 Claims. (Cl. 152—36)

1. In a twin-tire mounting construction, a hub having a hub flange, a seating ring carried by the hub flange, a resilient member supported by said seating ring, a twin-tire carrier supported for laterally shiftable movement on said resilient member, a brake drum having a flange secured to said hub flange for confining the resilient member and rim carrier at the inner side of the wheel, and means on the seating ring for



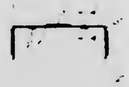
confining the tire carrier and resilient member at the outer side of the wheel.

2,004,923
MEANS FOR MOUNTING LENSES
Frederick A. Braucht, Chicago, Ill., assignor to Belgard-Spero, Inc., a corporation of Delaware
Application April 13, 1932, Serial No. 605,063
4 Claims. (Cl. 88—47)



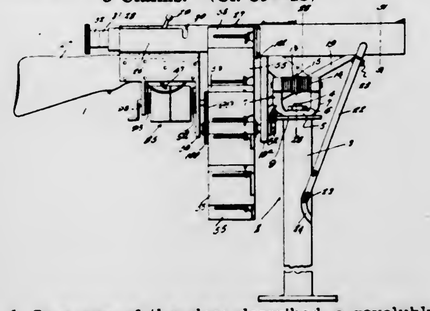
1. In a pair of eyeglasses having a lens with a hole formed therethrough, a pair of metal discs engaging opposite sides of said lens and extending over said hole, means connecting said discs, and a mounting member having arms straddling said lens and equipped with pockets aligned with said metal discs, and solder within said pockets connecting said arms and said discs.

2,004,924
PERMANENT MARKER FOR COTTON BALES
Milton L. Brown and Samuel Brown, Mobile, Ala.
Application February 7, 1935, Serial No. 5,478
1 Claim. (Cl. 40—20)



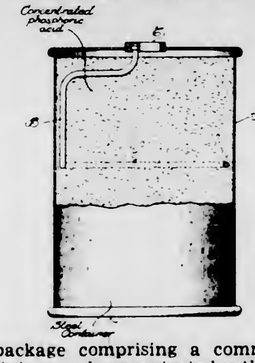
In combination with a bale of fibrous material, an identification member therefor comprising a metal band extending through the bale with its ends projecting therefrom, said band having identifying indicia thereon arranged at the center and the ends of the band, said indicia being embossed in the band and an intermediate part of the band having holes therein, the metal from which forms projections, said projections extending from that face of the band which is opposite the face having the projections formed by the embossing thereon.

2,004,925
MACHINE GUN
Leopoldo A. Carrillo, Big Wells, Tex.
Application January 16, 1934, Serial No. 706,883
5 Claims. (Cl. 89—13)



1. In a gun of the class described, a revolubly mounted magazine disk provided on its periphery with a series of arcuate recesses, a groove inwardly from each of the recesses and a slot connecting each groove with its recess, and cartridge holders arranged within said recesses, each cartridge holder being provided with a projection extending into said slot, and an enlarged head on said projection extending into the groove for holding the cartridge holder in position on the magazine disk.

2,004,926
ACID-CONTAINING PACKAGE
Howard Adler and Willard H. Woodstock, Chicago Heights, Ill., assignors to Victor Chemical Works, Chicago Heights, Ill., a corporation of Illinois
Application October 12, 1933, Serial No. 693,346
7 Claims. (Cl. 23—239)

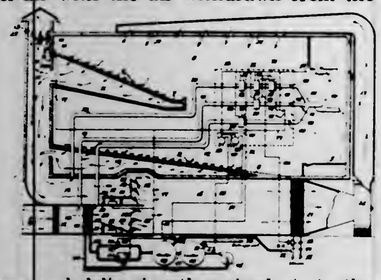


1. A package comprising a common iron or steel container and concentrated orthophosphoric acid having an H_3PO_4 content of 89 to 100%, within said container.

2,004,927
METHOD AND APPARATUS FOR VENTILATING BUILDINGS
Claude A. Bulkeley, Kenmore, N. Y., assignor to Niagara Blower Company, Buffalo, N. Y., a corporation of New York
Application September 18, 1930, Serial No. 482,822
15 Claims. (Cl. 98—33)

14. The method of ventilating an enclosure which includes withdrawing air from said enclosure, cooling fresh air before mixture with the

air in the enclosure to obtain a constant differential between its temperature and the temperature of the air in the enclosure, mixing said cooled fresh air with the air withdrawn from the en-



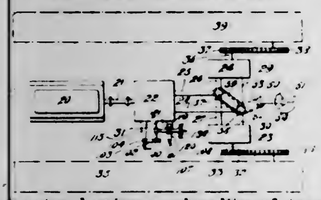
closure and delivering the mixed air to the enclosure and varying the proportions of fresh air in the mixture under all conditions of operation in accordance with changes in the dry-bulb temperature in the enclosure.

2,004,928

CONTROL MECHANISM FOR HYDRAULIC POWER SYSTEMS

Hugo A. Centervall, New York, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware

Application July 25, 1931, Serial No. 553,146
7 Claims. (Cl. 180—9.2)



1. A tractor having a plurality of tracks and hydraulic means for varying the relative speed of said tracks when said tractor is in motion comprising a motor for each of said tracks, separate means for transmitting power from each of said motors to its respective track, a pump, and passages for delivery and return of fluid between said pump and each of said motors, a plurality of valves in each of said passages controlling the flow of fluid between said pump and each of said respective motors, and means for actuating simultaneously the valves in each passage which are associated with the same motor.

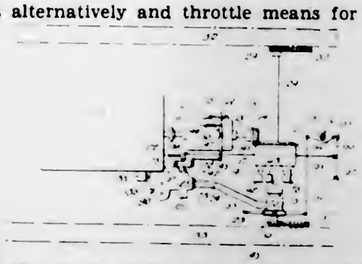
2,004,929

CONTROL MEANS FOR VARYING THE RELATIVE SPEEDS OF MEMBERS DRIVEN THROUGH A COMMON DIFFERENTIAL MECHANISM

Hugo A. Centervall, New York, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware

Application November 25, 1931, Serial No. 577,264
Renewed February 23, 1934
20 Claims. (Cl. 180—9.2)

5. A device for varying the relative speeds of members driven through a common differential mechanism, comprising a hydraulic pump, a hydraulic motor operatively connected to one of said driven members and to the compensating element of said differential mechanism, a valve member having alternative fluid circuits, means for circulating fluid through either of said circuits alternatively and throttle means for cut-



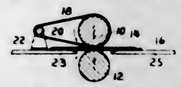
ting off said circulation and preventing the escape of fluid from said valve member.

2,004,930

METHOD OF REMOVING LIQUIDS FROM HIDES, SKINS, AND LEATHER

John H. Connor, Newton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts

Application June 28, 1932, Serial No. 619,678
11 Claims. (Cl. 149—5)



1. That improvement in methods of removing liquids from hides, skins, and leather which comprises the step of passing a hide or skin or other piece of leather between presser rolls at a relatively high pressure and at a relatively low rate of speed timed to permit the liquid content of the hide or skin to escape in the desired amount.

2,004,931

FLUORINATION OF CARBON COMPOUNDS

Herbert Wilkens Daudt and Edwin Lorenzo Mattison, Wilmington, Del., assignors, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 20, 1931, Serial No. 524,214
33 Claims. (Cl. 260—162)

1. The process of preparing fluorinated acyclic compounds which comprises reacting a compound containing an acyclic carbon atom having joined thereto a halogen having an atomic weight greater than 19 and a heavy metal fluoride other than antimony trifluoride in the presence of a fluorination catalyst.

2,004,932

PRODUCTION OF FLUORINE COMPOUNDS

Herbert Wilkens Daudt, Mortimer Alexander Youker, and Harold La Belle Jones, Wilmington, Del., assignors, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 24, 1931, Serial No. 525,026
28 Claims. (Cl. 260—162)

1. The process of preparing mixed halogen derivatives of methane containing fluorine which comprises reacting carbon bisulphide with an inorganic fluoride and antimony penta-chloride.

2,004,933

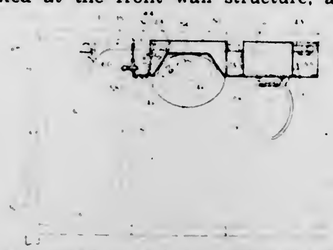
BATHROOM UNIT

Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application November 21, 1932, Serial No. 643,589
3 Claims. (Cl. 4—3)

1. As an improved article of manufacture, a wall structure comprising oppositely disposed uni-

planar plate members serving respectively as the front and rear wall structure and affording therebetween an open space, a wash basin fixture located at the front wall structure, a unitary



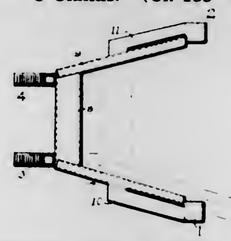
frame secured to and supporting the front and rear wall structure and the wash basin fixture, and supply piping and waste piping for the stated fixture disposed within the spacing between the front and rear wall structure.

2,004,934

CHAIR

Louis Dellert, Brooklyn, N. Y.

Application November 13, 1933, Serial No. 697,731
3 Claims. (Cl. 155—2)



2. A nestable chair including a substantially U shaped seat frame open at the front, a pair of rear legs attached to said seat frame, a pair of front legs spaced further apart than said rear legs and attached to said U shaped frame, and a seat resting on said seat frame and mounted movably to permit the packing of two or more chairs in a nested relationship, said U shaped frame consisting of two downwardly extending tubular side members that converge towards the rear and are securely attached to a connecting transverse member, said transverse member having a width approximately equal to the combined width of both of said downwardly extending tubular side members, the wider transverse member rigidly holding and preventing weave or wobble in said tubular side members and said front legs, and the said transverse member occupying a minor portion at the rear end of the space between said side members, leaving the central and forward area open and unobstructed, providing ample space for the nesting therein of the rear portions of two or more chairs of identical size and shape, without raising the legs of said chairs from the floor during the nesting operation.

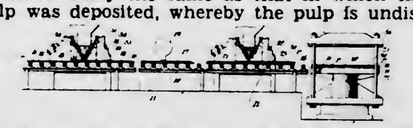
2,004,935

CEMENTITIOUS SHEET

René Dorn and Martin Willis, New Orleans, La.

Application April 28, 1932, Serial No. 607,970
17 Claims. (Cl. 154—55)

1. A corrugated structural sheet made from a pulp containing cementitious material in which the form of the cross section of the finished sheet is substantially the same as that in which the pulp was deposited, whereby the pulp is undis-



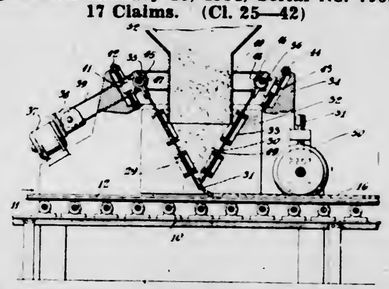
turbed and the sheet is relatively free from internal stresses.

2,004,936

APPARATUS FOR THE MANUFACTURE OF CEMENTITIOUS SHEETS

René Dorn and Martin Willis, New Orleans, La.

Application January 16, 1934, Serial No. 706,814
17 Claims. (Cl. 25—42)



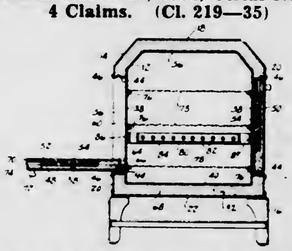
1. A hopper comprising opposite side walls, each adapted to reciprocate, one end of each of said walls being arranged with respect to the adjacent end of the other of said walls so as to define an opening therebetween through which to issue material from said hopper.

2,004,937

PORTABLE ELECTRIC COOKER

John Fletcher, New York, N. Y., assignor to Electric Trading Corporation, New York, N. Y., a corporation of New York

Application March 16, 1934, Serial No. 715,802
4 Claims. (Cl. 219—35)



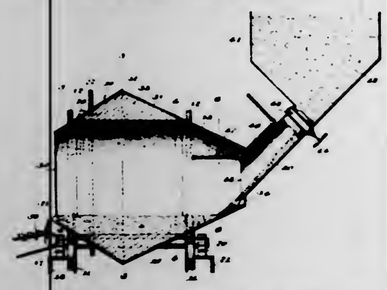
1. Apparatus for the electrical heat treatment of food and the like, comprising a casing with an access door and providing an oven chamber which is close when the door is shut, electrical heating means within the oven chamber whereby heat is directly applied to food placed inside the chamber, fixed insulation about the casing with a recessed portion therein exposing a relatively heat conductive part of the oven wall which is away from the access door, and an outside heater usable separately or in conjunction with the oven heater, and comprising electric heating means on an insulation base, and adapted in one position to occupy said recessed portion with the heating means toward the casing wall and the insulation base facing outwardly whereby to complete the casing insulation, and projecting in another position substantially horizontally from the casing beneath the exposed wall portion and with the heating means uppermost.

2,004,938
TYPEWRITER ATTACHMENT
David Friesel, United States Army, Washington, D. C.
Application July 3, 1933, Serial No. 678,898
1 Claim. (Cl. 197—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



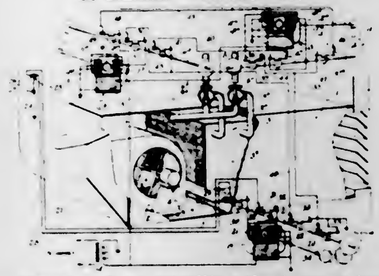
The combination with a typewriting machine having a carriage, a platen and a paper guide provided with an upturned portion, of a guard consisting of a supporting member removably mounted on said upturned portion adapted to occupy a position with relation to the left hand edge of the paper, regardless of its width, said member extending in an upright direction, a guard arm hingedly mounted at the upper end of said supporting member and adapted to extend over said platen to cause the paper to extend rearwardly upon leaving the platen, or be swung free of the machine to release said paper, and means carried by said supporting member to prevent the arm falling below a horizontal line while over the machine.

2,004,939
GOLD RECOVERING DEVICE AND METHOD
James B. Girand, Phoenix, Ariz.
Application February 9, 1932, Serial No. 591,875
6 Claims. (Cl. 233—27)



1. A device for recovering metallic particles from materials which include gangue comprising a drum rotating on a horizontal axis having an intermediate portion of greater diameter than the remaining portions and forming an annular pocket, cushioning material consisting of gangue and free metal and being retained in the annular pocket, the cushioning material being subjected to rapid alternations of forces due to the change in direction of the centrifugal force on the individual particles thus keeping the cushion soft and preventing packing, said cushioning material being in a plane which is at an angle to the horizontal, means for feeding metal bearing material to the drum, means for revolving the drum at a critical speed so that the cushioning material will be retained in the pocket and receive and retain the metallic particles in the cushion, and means for supplying a liquid to the materials being fed to the drum.

2,004,940
CONTROL FOR AIR CONDITIONING SYSTEMS
Theodore K. Greenlee, Rockford, Ill., assignor to Howard D. Colman
Application October 23, 1931, Serial No. 570,613
Renewed August 16, 1934
22 Claims. (Cl. 236—38)

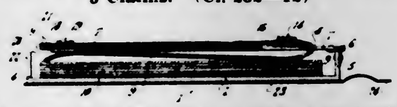


1. A system for controlling the temperature of an air current passing through a circulating duct comprising, in combination, a heater in said duct, a by-pass around said heater, a damper controlling said by-pass to determine the proportion of the air current subjected to said heater, a power operator for said damper having electric motor driving means with two windings selectively energizable to determine the direction and extent of movement of said damper between open and closed positions, a thermostat responsive to the temperature of the heated air and having switches controlling circuits through said windings, a valve controlling the amount of heat delivered to said heater, a power operator for said valve having electric motor driving means with two windings selectively energizable to determine the direction and extent of movement of said valve, and two switches actuated by said damper operator and controlling circuits for said last mentioned windings, one switch being closed when said damper reaches closed position and the other switch being closed when the damper reaches open position.

2,004,941
EXPLOSIVE
George C. Hale, Dover, N. J.
No Drawing. Application March 15, 1934, Serial No. 715,663
4 Claims. (Cl. 52—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

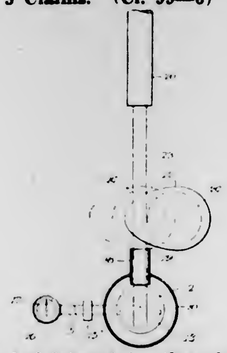
3. A liquid, explosive solvent or colloiding agent for nitrocellulose consisting of nitroglycerine in admixture with one or more of the nitro derivatives of ethylbenzene.

2,004,942
COUNTER SALES BOOK
Edward Hano, George U. Lacroix, and George Hogan, Holyoke, Mass.
Application July 10, 1934, Serial No. 734,518
5 Claims. (Cl. 282—12)



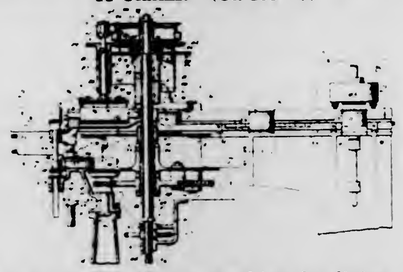
1. In combination, in a counter sales book, a shallow box-like member for receiving a pack of folded manifold forms, a writing and cover plate hinged at its upper edge to the box-like member and formed with a slot adjacent and parallel to its upper edge, through which the manifold forms may be drawn, means for removably attaching transfer sheets to the cover, and means for retaining the forms in place on the writing and cover plate.

2,004,943
METHOD OF TESTING COLOR OF EGG YOLKS
Raymond R. Haugh, Chicago, Ill., assignor, by mesne assignments, to Kraft Egg Machine Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1932, Serial No. 649,498
5 Claims. (Cl. 99—6)



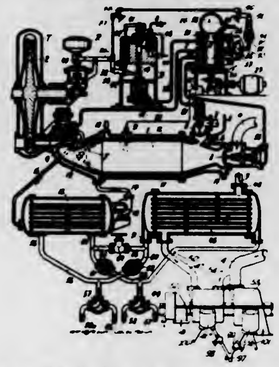
1. A method of determining the color or opacity of an egg yolk in the shell, comprising passing a light beam through an egg so as to avoid the yolk and also passing a light beam through said egg including the yolk, obtaining by electrical indicating means an index of the light transmitted on the two occasions, and computing the difference in energy involved in the two operations, said difference in energy being an index of the color of the egg yolk.

2,004,944
FLANGE LINING MACHINE
William M. Holloway, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 28, 1933, Serial No. 700,132
11 Claims. (Cl. 113—7)



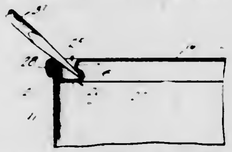
1. In combination, a machine for lining can flanges with a lining material, comprising a support for a can to be lined, a lining pad movable into aligned position over said can while on said support, rotary means for applying lining material to said pad, means for causing said pad to engage the said can flange and to deposit lining material thereon, and means for rotating said pad during said application to give a wiping action and to evenly distribute the applied material on the said can flange.

2,004,945
METHOD AND APPARATUS FOR IGNITING EXPLOSIVE CHARGES
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application April 25, 1933, Serial No. 667,820
In Germany April 27, 1932
21 Claims. (Cl. 60—41)



1. The method of operating elongated constant volume explosion chambers suitable for use in explosion turbines and having air and fuel inlet members arranged at one end thereof, and an outlet member at the opposite end thereof, said method comprising confining a gaseous medium between the outlet member of the chamber and a new charge of air and fuel entering and occupying the chamber, closing the chamber when the charge of air and fuel has been admitted into the chamber, and causing said medium to assume such a temperature that at the surface of contact between such medium and the said charge the ignition temperature of the combustible mixture formed in the chamber prevails and directly initiates the combustion of such mixture.

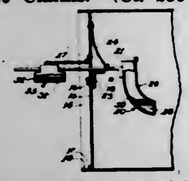
2,004,946
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application August 22, 1931, Serial No. 558,745. Divided and this application September 8, 1933, Serial No. 688,680
4 Claims. (Cl. 220—48)



1. A container cover for an easy open container, comprising a drawn central portion having an annular upwardly and outwardly projecting shoulder and an encircling score line formed in the cover adjacent the base of said shoulder, and an annular rim spaced from said shoulder and adapted to be secured to a container body

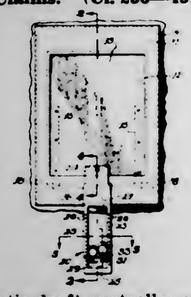
and to support a prying tool which engages under said shoulder above said score line to remove said central portion by tearing along said score line in the opening of said container.

2,004,947
AUTOMATIC DRAFT CONTROLLER
George J. Irsch, Harvey, and William B. Stephenson, Chicago, Ill.
Application April 11, 1932, Serial No. 604,390
20 Claims. (Cl. 236—45)



3. A draft controller comprising, in combination, an air inlet, a plate pivotally mounted on a transverse horizontal axis in said inlet, and a counterweight mounted on said plate, said counterweight acting in a direction to close said plate and comprising a container, a body of mercury in said container and shiftable therein upon pivotal movement of said plate, and a mass of metal balls floating on said mercury.

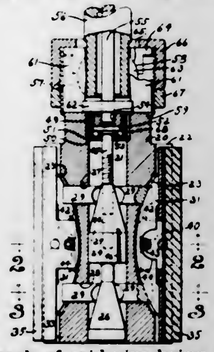
2,004,948
AUTOMATIC DRAFT CONTROLLER
George J. Irsch, Harvey, and William B. Stephenson, Chicago, Ill.
Application April 25, 1932, Serial No. 607,464
17 Claims. (Cl. 236—45)



1. An automatic draft controller comprising, in combination, a hood having a vertical wall formed with an air inlet opening, a damper plate for closing said opening, antifriction roller-bearings supporting said plate at its lower end for pivotal movement about a horizontal axis into and out of closed position, a depending arm pivotally mounted at its upper end on said plate, said arm extending substantially below said plate, means for adjusting the angular position of said arm relative to said plate, and a weight on the free end of said arm.

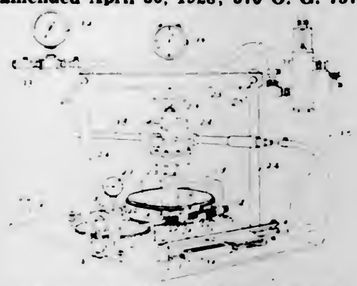
2,004,949
GRINDING APPARATUS
Benjamin O. Isom, Detroit, Mich., assignor to Hutto Engineering Company, Inc., Detroit, Mich., a corporation of Michigan
Application July 23, 1928, Serial No. 294,668
14 Claims. (Cl. 51—184.3)

1. In a device of the type described, in combination, a body provided with an axially extending bore, a pair of spaced cone members slidably received in said bore, means for controlling the position of said cones in said bore, said body being provided with two series of radially extending openings, a pin slidably received in each of said openings, the outer surface of said body being provided with grooves each of which extends between an opening of each of



said series, each of said pins being provided with a groove in line with the first mentioned grooves, a plate member positioned in each of the first mentioned grooves provided with a curved edge bearing against the bottoms of the grooves in the corresponding of said pins, and an abrasive element bearing against the outer edge of each of said plate members.

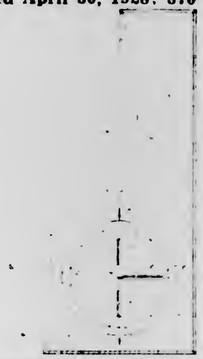
2,004,950
TORQUE-MEASURING DEVICE
Bernard F. Jenkins, United States Navy
Application March 12, 1932, Serial No. 598,360
2 Claims. (Cl. 265—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a torque-measuring device, a base, a brake drum rotatably mounted thereon, a brake beam mounted between said drum and said base, guides in which said beam is oscillatably slidable, a brake band disposed around said brake drum, a brake anchor fixed to said beam and connected to said brake band, a brake shaft anchor on said beam, a brake shaft having a portion seated in said brake shaft anchor and having oppositely threaded portions on the opposite sides of said portion, suitably internally threaded lugs attached to said brake band adjacent the ends thereof and respectively engaged with the said threaded portions, a bracket carried by said base, a member attached to said drum and journalled in said bracket, said member having a polygonal recess in its upper face, standards fixed to said base, a beam slidable on said standards and passing over

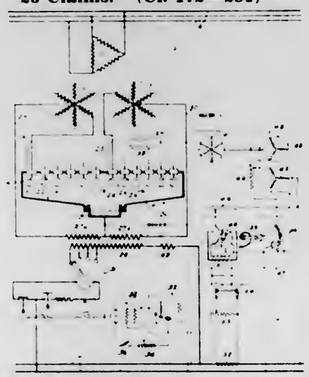
the center of said member to hold in place a device to be tested with a rotating portion thereof connected to said member, and a spring balance having one end fixed and the other connected to an end of said beam.

2,004,951
NAVIGATIONAL INSTRUMENT
Henry M. Jensen, United States Navy
Application May 26, 1933, Serial No. 673,035
7 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A navigational instrument, comprising head and stem portions and a member movable with respect to both the said portions rotatably mounted in said head portion with its center aligned with an edge of said stem, there being in said member a radially extending slot settable to represent the wind vector in a triangle whereof the other sides are respectively the track and ground speed, and the heading and air speed, of an air craft one of which latter vector quantities may be simultaneously defined by an edge of said stem.

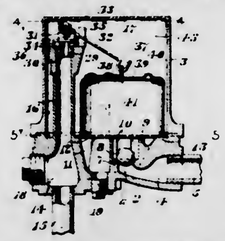
2,004,952
ELECTRON DISCHARGE DEVICE CONTROL SYSTEM
Didier Journeaux, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 25, 1933, Serial No. 686,700
23 Claims. (Cl. 172—281)



17. In a bi-directional electric current converting system, an alternating current line, electron discharge means having a plurality of anodes, means for connecting said discharge means with said line, a second alternating current line, means for connecting said discharge means with the second said line, discharge controlling means operable to release and to interrupt the flow of current through said anodes, means controlling operation of said discharge controlling means to cause the flow of energy in either direction between said lines, and means for controlling the operation of the third said means to control the direction of the flow of reactive energy between said lines.

23. In a bi-directional electric current converting system, an electric current line, an electron discharge device of the vapor type having a plurality of anodes with associated control electrodes operable to interrupt the flow of current through said device, a transformer connecting said line and said discharge device, a second electric line, a tapped transformer connecting said discharge device with the second said line, a tap changing mechanism for changing the connections of the last said transformer with the second line in response to the potential condition of the second said line, means operable only in one direction to energize the control electrodes to release energy flow in either direction between said lines, and means automatically responsive to the magnitude of the energy flow in the second said line to control the second said means.

2,004,953
STEAM TRAP
James W. Kaye, West Orange, N. J., assignor to Kaye & MacDonald, Inc., West Orange, N. J., a corporation of New Jersey
Application February 27, 1933, Serial No. 658,863
4 Claims. (Cl. 137—103)

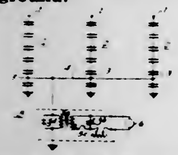


1. A steam trap of the class described comprising a base having an inlet port, a check valve for automatically preventing the return flow through said inlet port when pressure is released therefrom, said base also having a sediment chamber formed adjacent said inlet port, a strainer screen extending over said sediment chamber and over the end of said inlet port, an outlet tube formed upon said base and projecting above the top of the base, a casing for housing said tube, a bucket valve mounted within said casing, said tube having a valve seat at its upper end, a lever connected to said bucket and provided with a valve for closing said last mentioned valve seat as said bucket is raised, and drain out means for said outlet tube.

2,004,954
POTENTIAL DEVICE
Paul O. Langguth, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,676
14 Claims. (Cl. 171—97)

1. In combination with a grounded-neutral polyphase alternating current circuit, apparatus

responsive to a zero sequence component of voltage of said circuit comprising a plurality of capacitance means each coupling a phase conductor of said circuit to ground, said capacitance means having conducting elements which divide their respective capacitive reactances in the same predetermined ratio, a conductor connecting said conducting elements directly together, and an electroresponsive device connected between said conductor and ground.



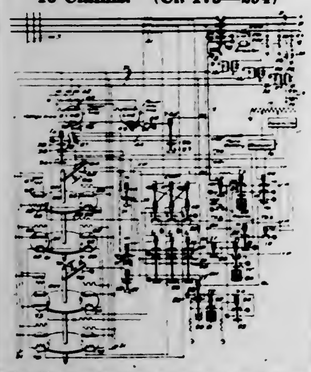
12. A zero-sequence capacitor-potentiometer coupling device for a polyphase transmission line, comprising an individual capacitor-potentiometer connected between each phase-conductor of the transmission line and ground, a common intermediate-tap conductor for all of said capacitor-potentiometers, and a tuned-circuit adjustable voltage-network assembly connected between said common tap conductor and ground for providing a low-voltage source substantially responsive, in predetermined manner, and in phase and magnitude, to the zero-sequence component of the transmission-line voltage.

2,004,955

CONTINUOUS CARRIER RELAYING

Lester B. Le Vesconte, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 22, 1933, Serial No. 703,611
16 Claims. (Cl. 175—294)



1. Protective relaying equipment for effecting a control of line-sectionalizing circuit-interrupter means for a transmission line-section, comprising, at each end of the line-section being protected, relaying means including means for obtaining both a directional response to a fault-current power-flow into the protected line-section and also a response to a voltage-change which indicates the presence of a fault on the transmission-line under conditions when there is no corresponding current-flow of fault-magnitude, said relaying means also including fault-indicating means for securing an indication of the actual presence of a fault on the transmission-line, a communicating-channel between the two ends of the line-section being protected, a transmitter means disposed at each end of the line-section for normally continuously transmitting a signalling current through said communicating channel to the other end of the line-section, transmitter-controlling means, responsive both to said directional response of the relaying means and the response to the voltage-indication of fault without corresponding fault-current, for causing said transmitter to cease transmitting effective signalling current, a receiver disposed at each end of the line-section and associated with said communication channel, receiver-means at each end, responsive to a failure of the receiver to receive a sufficient signalling current, and responsive also to the direction of power-current-flow into the line-section being protected, for quickly energizing a control circuit for the circuit-interrupter means at that end, and means responsive jointly to a failure of the receiver to receive a sufficient signalling current and a failure of an indication of the actual presence of a fault on the transmission-line, for thereafter interposing a slight time-hesitation in the tripping functions of the protected line-section.

2,004,956

PLASTIC COMPOSITION

John J. Martin, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 29, 1932, Serial No. 589,771
6 Claims. (Cl. 106—22)

1. The method of forming a plastic composition from cotton in the form of threads which consists in partially esterifying the cotton threads without altering the physical structure of their individual fibers, commingling the esterified threads with a thermoplastic binder, reducing said threads to small lengths, placing said lengths of thread in a mold and subjecting to heat and pressure.

2,004,957

CAPSULE

Arthur J. Messner, Rochester, N. Y., assignor of one-half to Elmer L. Schumacher, Southbridge, Mass.

Application April 25, 1934, Serial No. 722,301
2 Claims. (Cl. 167—82)



1. A hollow and sealed chewable paraffin capsule containing a liquid mouth medicament in the hollow portion thereof.

2,004,958

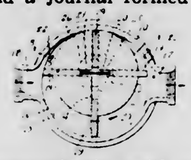
ROTARY PUMP

Bryce Mitchell, Seattle, Wash.

Application August 22, 1931, Serial No. 558,672
Renewed September 17, 1934
3 Claims. (Cl. 103—138)

2. A rotary pump having a cylindrical stator and a cylindrical rotor eccentrically disposed therein, said rotor having normally intersecting slots passing entirely through same and intersecting at the axis of the rotor, each slot having a pair of slidable blades mounted therein,

the blades of each pair having springs extending across the space between same for urging same apart, said springs engaging opposite blades at adjacent ends thereof and having a substantially uniform compression throughout the cycle, and a journal formed in the end of



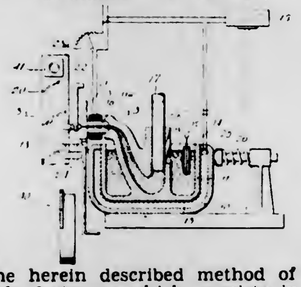
said rotor communicating with the intersecting blade slots and with the pressure side of the pump whereby a constant pressure is maintained within the axis of the rotor at all times for the purpose of urging all of the blades outwardly and with uniform force throughout the complete revolution of the rotor.

2,004,959

METHOD OF MANUFACTURING FASTENER STRINGERS

Louis H. Morin and Davis Marinsky, New York, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application December 7, 1933, Serial No. 701,290
18 Claims. (Cl. 22—202)



1. The herein described method of forming separable fasteners which consists in arranging a core member and mounting strip between adjacent surfaces of opposed die parts with portions of said member and strip within the mold chamber thereof and in spaced relation to each other, supporting a discharge nozzle in engagement with the die parts, discharging molding material through said nozzle and a passage arranged between the die parts into the mold chamber under the action of a pressure element to form a coupling element on that part of the strip and core within the chamber of said die parts with a gate on said coupling element formed by said passage, and feeding the formed coupling element and strip by said core member to position said strip for the next successive element to be formed thereon and then removing the core from said element.

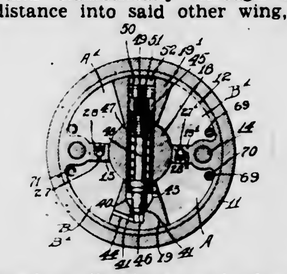
2,004,960

SHOCK ABSORBER

Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application August 12, 1931, Serial No. 556,483
Renewed June 7, 1934
5 Claims. (Cl. 188—89)

1. In a shock absorber, the combination of a cylinder frame having partition extensions extending radially from opposite sides thereof, a piston structure comprising a hub centered between the inner ends of said partitions and having piston wings extending therefrom in diametrically opposite directions and bearing at their ends against the cylinder wall, said piston structure having a bore extending radially through one of said wings from the outer end thereof and diametrically through said hub and a distance into said other wing, a valve



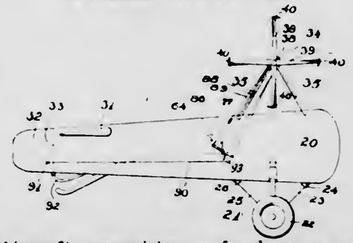
seat formed at the inner end of said bore, there being ports connecting said cylinder space at opposite sides of said piston wing with said bore at opposite sides of said seat, a valve in said bore for cooperating with said seat, and a thermostat element in said bore secured to said valve and adjustably anchored at its outer end in said bore, said cylinder wall closing the outer end of said bore against access to said valve from the exterior of the shock absorber.

2,004,961

AIRCRAFT

Haviland H. Platt, New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa.

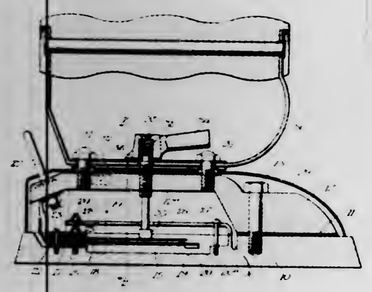
Application April 17, 1931, Serial No. 533,232
Renewed September 13, 1932
10 Claims. (Cl. 244—11)



1. Aircraft comprising a fuselage, a pair of rotors, each of said rotors comprising a plurality of pivotally mounted aerofoil blades, extending generally transversely of the normal direction of travel of the aircraft and adapted to revolve in an orbit about the axis of the rotors, means for automatically oscillating each of said aerofoil blades, in succession, about its respective pivot during each revolution of the rotors, said angular oscillations or deflections of the aerofoil blades about their respective pivots being confined between angles substantially less than 360 degrees, means for varying the amplitude of said angular blade oscillations, means for varying the event of said oscillations in the orbit of said aerofoil blades, and a universally deflectable control stick in the fuselage, operatively connected to said amplitude and event varying means, which stick, when deflected in the longitudinal median plane of the craft, acts equally upon the two rotors to vary the event of the blade oscillations thereof,

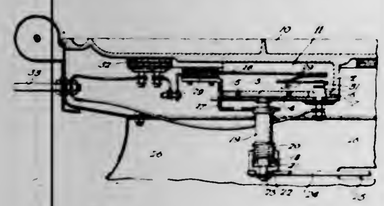
and which stick when deflected transversely of the aircraft, acts differentially upon the rotors, differentially to vary the event of the oscillations thereof.

2,004,962
ELECTRIC IRON
Frank W. Scharf, Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 27, 1931, Serial No. 577,499
10 Claims. (Cl. 219—25)



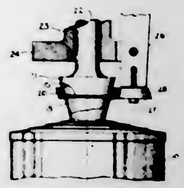
9. In an electric iron or the like, a sole plate, a heating element for heating the sole plate, said sole plate having a slot and a groove adjacent the slot forming a fin for intercepting heat rays and for transferring this heat to the lower portion of the sole plate, and a thermostat for controlling the heating element located in the slot.

2,004,963
THERMOSTATIC SWITCH AND MOUNTING FOR SAME
Frank W. Scharf, Chicago, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application June 13, 1932, Serial No. 616,947
9 Claims. (Cl. 200—139)



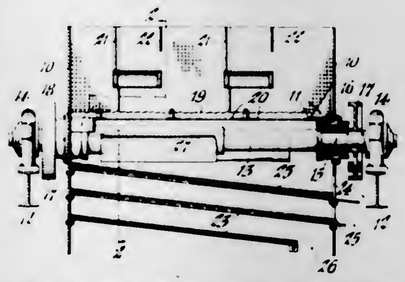
1. In a thermostatic switch, a fixed contact, a support therefor, a first bimetal strip carried at one end by said support, the opposite end carrying a second bimetal strip arranged to move when the two are heated in the opposite direction from that of the first bimetal strip, an electric contact carried on the second bimetal strip and adapted to engage the fixed contact, the second bimetal strip overlying the outer end portion of the first bimetal strip and spaced therefrom, and an offset connecting member extending between the two bi-metal strips, said member being secured to the outer end of the first bimetal strip and to the inner end of the second bimetal strip.

2,004,964
METHOD OF MAKING CONTAINER SEALS
Ralph S. Westgate, Bloomfield, N. J., and Harry C. A. Behr, York, Pa., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application January 11, 1928, Serial No. 246,008
Renewed September 29, 1933
5 Claims. (Cl. 113—121)



1. The method of mechanically sealing a sheet-metal container to adapt it to hold ether secure against escape, and of simultaneously providing the container with a readily pierceable closure, which comprises successively superposing upon the neck of the container a soft-metal cap and a hard-metal ring, each having a depending flange, and, by means of revolving and rotating rollers pressing against substantially the entire width of the ring flange, gradually spinning the flanges concomitantly towards the neck until they are closely juxtaposed thereto, thereby tightly confining the entire circumference and substantially the entire width of the cap flange between the ring flange and the neck and thus providing a vapor-impervious packing, the neck of the container retaining substantially its initial form and size.

2,004,965
MACHINE FOR TREATING GRAVEL, SAND AND LIKE MATERIALS
William L. Wettlaufer, Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1933, Serial No. 685,862
7 Claims. (Cl. 209—12)



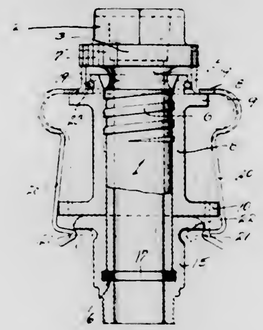
1. A machine for washing and scrubbing gravel and the like, comprising a gyrating body including a substantially trough-shaped scrubbing deck for the material to be treated disposed at one side of its gyrating axis, said deck extending generally in the direction of the body-axis and having openings in its bottom for the discharge of wash-water and foreign matter and a discharge at one end for the washed and scrubbed material, and grading decks for such material mounted on said gyrating body and disposed at the opposite side of its gyrating axis below the scrubbing deck.

2,004,966
CONDUIT CAP
Ralph G. Whitlock, Los Angeles, and Lewis Sharp, Huntington Park, Calif., assignors to Federal Foundation, Inc., Las Vegas, Nev., a corporation of Nevada
Application March 7, 1934, Serial No. 714,538
15 Claims. (Cl. 221—100)



1. In a conduit cap the combination of: a fill pipe; a head on said pipe; a pipe closure member movably mounted on said head and having a position closing said pipe and a position freeing said pipe to permit access thereto; and means operated by movement of said closure and provided on said head for discharging a token for each cycle of actuation of said member to permit access to said fill pipe.

2,004,967
HOSE COUPLING
Philip H. Williams, Spokane, Wash., assignor to Ideal Hose Coupling Company, Coeur d'Alene, Idaho
Application July 24, 1934, Serial No. 736,701
5 Claims. (Cl. 285—174)



1. In a hose coupling, a tubular body having attaching means at its upper end and adjacent the said end being externally threaded, an outstanding collar being provided between the attaching means and the threaded portion and formed with seats in its peripherial edge face, a sleeve fitting about said body and internally threaded to engage threads of the body and mount the sleeve for adjustment longitudinally of the body, said sleeve having flanges at its upper and lower ends and above the upper flange being formed with a circumferentially extending groove, the lower flange constituting a cam, a handle to revolve the sleeve upon the body, said body having its lower portion projecting from the lower end of said sleeve, a nipple fitting about the projecting lower end portion of said body and abutting the lower end of said sleeve, said nipple having an internal seat formed therein, a gasket resting upon said seat with the lower end of said body in compressing engagement therewith, a disk resting upon the upper flange, tongues extending upwardly from said disk and engaged in the sides of said collar, a ring fitting about said body and resting upon said disk to hold the disk upon the upper flange, and resilient arms extending downwardly from said disk across the marginal edge of the cam forming lower flange with their lower ends bent to form hooks for engaging under an outstanding flange of said nipple to hold the nipple in place about the lower portion of said body.

2,004,968
GOLF CLUB
Leonard A. Young, Detroit, Mich.
Application June 17, 1933, Serial No. 676,291
11 Claims. (Cl. 273—77)



2. A golf club head comprising a wood body having a plurality of spaced parallel longitudinal kerfs in the top thereof and a plurality of spaced parallel longitudinal kerfs in the bottom thereof, the top and bottom kerfs being disposed in alternating relation and overlapping within the body, flat plates fitting and fixedly secured within said kerfs, the outer edges of said plates being conformed to and flush with the surface of the head, and a sole plate disposed transversely below the bottom plates.

2,004,969
WEATHER STRIPPING
David Abernethy, Philadelphia, Pa.
Application January 6, 1934, Serial No. 705,483
3 Claims. (Cl. 20—69)



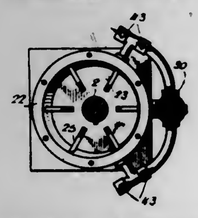
1. The combination with a window frame, having a slot with a bead in the slot, and the window sash, of a weather strip of spring material comprising a rear flat flange merging into a flat front flange deflected over it, with said flanges inserted between the bead and a side wall of the slot, said front and rear flanges being bendable to seal the space between the bead and the juxtaposed wall of its slot, said front flange merging into an outwardly extending flange at right angles to it and contacting with the window frame to effect a seal with a wall of the window frame, said rear flange effecting a seal with the window sash, said right angle flange merging into an inwardly extending spring flange disposed at an angle to it and bearing against the outer wall of the sash.

2,004,970
MANUFACTURE OF UREA-FORMALDEHYDE CONDENSATION PRODUCTS AND ARTIFICIAL MATERIAL THEREFROM
René Armengaud, Paris, France, assignor of one-half to Fabriques de Produits de Chimie Organique de Laire, Societe Anonyme, Issy, France, a company of France
No Drawing. Application February 18, 1932, Serial No. 593,925. In France February 23, 1931

2 Claims. (Cl. 260—3)

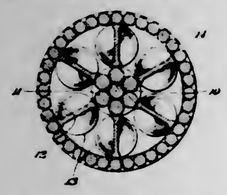
1. Method of producing a moldable powder which comprises agitating approximately 4 parts of precipitated zinc carbonate in an aqueous mixture of 100 parts of urea and 100–120 parts of formaldehyde, removing the undissolved zinc carbonate, allowing the reaction mixture to stand at room temperature for 24–36 hours to obtain a greasy, crystalline mass, drying said mass, and comminuting same to give a moldable powder.

2,004,971
TURNSTILE
Daniel R. Bacon and Leon H. Downs, Goshen, N. Y., assignors to Perey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application August 6, 1930, Serial No. 473,382
11 Claims. (Cl. 39—3)



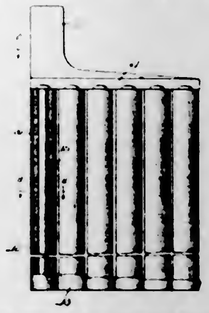
1. The combination of a turnstile, a liquid circulating system including a container for the liquid, a pump operated by the turnstile for imparting movement to the liquid, and means for automatically creating back pressure on the pump for a predetermined period of time to check the movement of the turnstile during each operation thereof.

2,004,972
HOLLOW CONDUCTOR
William H. Bassett, Jr., Scarsdale, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y.
Application October 5, 1931, Serial No. 566,868
3 Claims. (Cl. 173—13)



1. A hollow electric conductor comprising a series of wires formed into a hollow cylindrical structure, each wire having continuous contact with adjacent wires and arranged helically about the axis of said conductor to form a substantially continuous surface and a plurality of strands supporting said cylindrical structure, each strand being formed of a flat strip twisted about its own longitudinal axis so that the long dimension of the cross section of each strip is in a diametric relation to its own strand at all points along its length, said wires being of a diameter substantially less than the diameter of said strand.

2,004,973
POROUS SEPARATOR
Abraham Sidney Behrman, Chicago, Ill., assignor to A. S. Behrman, trustee of Porous Rubber Products Trust, Chicago, Ill.
Application December 13, 1930, Serial No. 502,118
8 Claims. (Cl. 136—146)



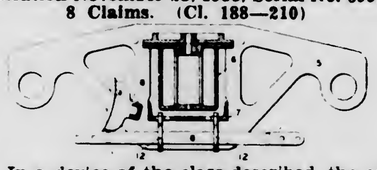
4. A porous separator comprising comminuted hard rubber particles held together by an autogenous bond to form a rigid member composed of distinct rubber particles attached to each other by said autogenous bond and having substantial and continuous voids between said particles, and a porous inert filler material distributed in the voids between the distinct particles of said rubber mass.

2,004,974
COMBINATION BOTTLE OPENER
John Bordener, Detroit, Mich.
Application August 23, 1933, Serial No. 686,371
2 Claims. (Cl. 65—47)



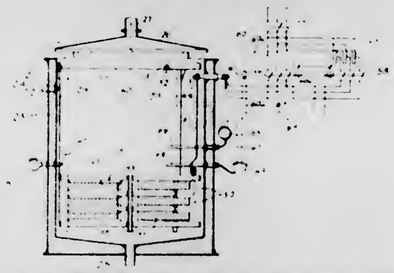
1. A device of the class described, comprising a flat plate-like supporting body; laterally extending wings on opposite edges of one end of said body; a flange projecting outwardly of one face of said body at the marginal edges thereof and extending around said wings; and an extracting blade pivotally mounted at one end on one end of said body and swingable thereon into operative and inoperative position, said body forming a shield for said blade, said blade in its movement from one position to another riding over said flange.

2,004,975
BRAKE BEAM SAFETY SUPPORT
Sterling H. Campbell and Frank H. Pietzsch, St. Louis, Mo., assignors to Western Railway Equipment Company, St. Louis, Mo., a corporation of Missouri
Application November 23, 1933, Serial No. 699,361
8 Claims. (Cl. 188—210)



1. In a device of the class described, the combination with a spring plank having an opening in its web, of a safety device in said opening, said safety device including a loop member operatively positioned by rotation on an axis perpendicular to the plane of the web of the spring plank the greatest dimension of the opening in the web being less than the width of the loop, and a beam extending through said loop member.

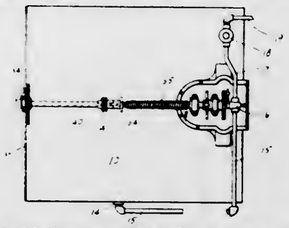
2,004,976
ELECTRIC FLUID HEATER
Robert A. Carleton, Brooklyn, N. Y., assignor to National Electric Heating Company, Inc., New York, N. Y., a corporation of New Jersey
Application August 7, 1931, Serial No. 555,801
8 Claims. (Cl. 219—38)



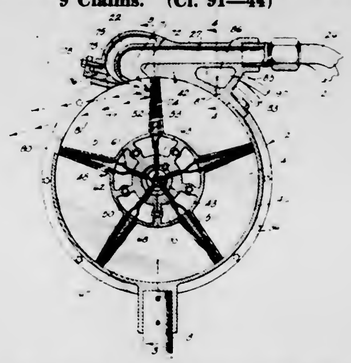
1. In a fluid heating apparatus, the combination of a receptacle for containing the fluid, a heating element consisting of a long narrow ribbon of high electrical resistance material wound in a spiral having a diameter substantially greater than its width, means supporting the element substantially horizontally in the receptacle, and a source of electrical heating current connected to the element for heating the same.

2,004,977
OVEN CONTROL
Alden P. Chester and Dewey H. Hill, Kokomo, Ind., assignors to Globe-American Corporation, Kokomo, Ind., a corporation
Application November 9, 1931, Serial No. 573,748
4 Claims. (Cl. 126—39)

3. In a cook stove, the combination of an oven, a burner for heating the same, a supply pipe for supplying fuel to said burner, a valve in said supply pipe for controlling the flow of fuel therethrough, a heat-responsive device in said oven, mechanism connecting said heat-responsive device and said valve and operable to close said valve when the temperature within the oven has reached a predetermined maximum, and a pressure regulator in said supply pipe located at a position to control the pressure at said valve exclusively in such manner as to insure an approximately uniform predetermined fuel pressure at said burner, whereby an approximately uniform amount of heat per unit of time is supplied to said oven for a given setting of said valve and said pressure regulator.



2,004,978
APPARATUS FOR APPLYING PROTECTIVE COATINGS
Hugh A. Conley, Lynwood, Calif., assignor to Conley Plastering Machine Company, Inc., Compton, Calif., a corporation of California
Application November 7, 1930, Serial No. 494,063
9 Claims. (Cl. 91—44)

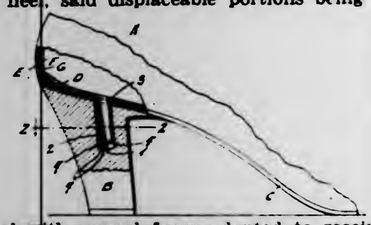


1. A device of the character described, including: a head; means for supporting said head; means for moving a viscous mixture of granular solids from said head to an object to be coated; and a delivery member for delivering the ingredients of said mixture to said head, said delivery member having an air passage for carrying a stream of air and an ingredient of said viscous mixture into said head, a passage for carrying another ingredient of said viscous mixture into said head, and a passage for a flow of fluid to lubricate said means for moving said mixture from said head.

2,004,979
MEANS FOR ATTACHING HEELS TO SHOES
David E. Cool, St. Louis, Mo.
Application February 4, 1933, Serial No. 655,153
4 Claims. (Cl. 36—34)

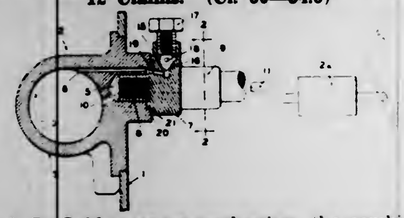
1. A device for attaching a heel to a shoe comprising a hollow element which is arranged in alined openings formed in the sole portion and the heel of the shoe, a flange at one end of said hollow element adapted to engage the sole portion of the shoe, said flange being countersunk in the sole portion of the shoe so that the top face of the flange is substantially flush with the

top face of the sole portion of the shoe, and displaceable portions adapted to be forced outwardly so as to be embedded in the material of the heel, said displaceable portions being pro-



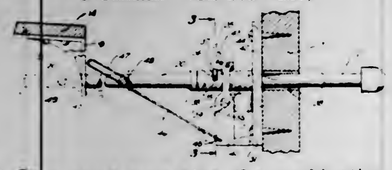
vided with curved faces adapted to receive in contact therewith a tool which is moved through said hollow element for the purpose of moving said displaceable portions outwardly.

2,004,980
FLUID PRESSURE MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 13, 1933, Serial No. 689,200
12 Claims. (Cl. 60—54.6)



1. In fluid pressure mechanism, the combination of a fluid receiving chamber, a fitting secured to the wall of the chamber and provided with a pair of passages, said fitting forming no part of the wall of the chamber, a fluid supply conduit secured to the fitting and communicating with one of said passages, a valve carried by the fitting for controlling the other passage, and means providing communication between said chamber and each of the passages in the fitting.

2,004,981
GAME APPARATUS
John B. Firestone, Brooklyn, N. Y., assignor to John F. Meyer, Chicago, Ill.
Application December 24, 1934, Serial No. 758,957
9 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet including an inclined playing board having ball exit openings formed therein; means for propelling balls one at a time onto the upper portion of said inclined playing board so that they may gravitate thereover and enter into the said ball exit openings; an inclined runway arranged below said inclined playing board and in communication with said exit openings for conducting spent balls from said exit openings to a point adjacent to but below said propelling means; a member slidably mounted in said cabinet between the said inclined playing board and the said runway for temporarily retaining therein balls which enter into certain of said exit openings; a handle member slidably mounted in a wall of said cabinet for moving said first named member into ball-releasing position; means normally latching said handle member against operation; and means including a device actuated by a ball passing through a preselected one of said exit openings for moving said latching means out of latching engagement with said handle member so as to permit operation of the latter.

2,004,982
COVER FOR SEAT SIDE ARMS
Walter L. Fry, Scarsdale, N. Y., assignor, by mesne assignments, to Milton Loewe, New York, N. Y.
Application May 22, 1930, Serial No. 454,787
1 Claim. (Cl. 155—182)



A seat side arm cover shaped to the contour of a side arm so as to cover three sides thereof and having edge portions adapted to lie adjacent the wall to which the side arm is secured; a stiffening element carried by said edge portions and of substantially U-shape to conform to the contour of the edges of the arm at its junction with said wall; and fasteners for securing said stiffening element to said side arm to attach said cover thereto.

2,004,983
PLANT SUPPORT
Lilian Goldberg, Madison, N. J.
Application January 18, 1934, Serial No. 707,058
7 Claims. (Cl. 47—47)

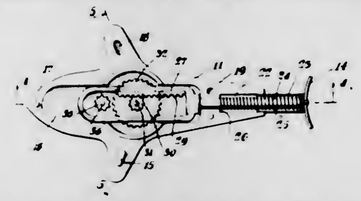


1. A plant support for the stem or a bough of a plant, to be erected adjacent the plant, and a flexible strand connected to the support to be wound around said plant, said support comprising a wire standard having U-shaped projections disposed laterally thereof and spaced apart longitudinally of the same to straddle said stem or a bough at different points, respectively, and to serve as a reel for winding up said strand when the support is not in use.

2,004,984
FAN
Heinrich G. Herion, New York, N. Y.
Application June 8, 1934, Serial No. 729,596
5 Claims. (Cl. 230—261)

1. A pocket fan comprising a bi-partite slotted casing having substantially the form of an aero-

plane, each casing part formed with suitable depressions supplementing one another, a propeller, a spindle carrying a pinion and means in the depressions of said casing parts to operate said propeller said means comprising a



spindle displaceably journaled in the slots of said casing, a gear on said spindle, a rack bar in said depressions, a means integral with said gear and in mesh with said rack bar, and means to alternately engage said gear with the pinion on said propeller spindle.

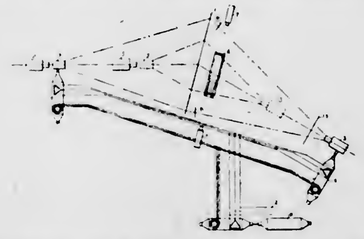
2,004,985
BEACH GARMENT
Celia Mary Hogan, Chicago, Ill.
Application July 9, 1934, Serial No. 734,324
2 Claims. (Cl. 2—74)



1. A loose fitting coat-like dress of washable material open at one side having an inner garment of comparatively light weight moisture resisting material constituting a lining extending from immediately below the arm holes of the dress to approximately the bottom of the dress and substantially from edge to edge at the open side of the dress, said inner garment reenforced about the edges thereof and detachably secured to the dress on the inner side thereof at the top corners and at an intermediate point at the top of the inner garment and along the side edges, and provided with shoulder straps each of which is secured intermediate its ends to the outer garment at the shoulders thereof.

2,004,986
COMPOSITE MOTION PICTURES
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application May 25, 1931, Serial No. 539,818
4 Claims. (Cl. 88—16)

1. The method of producing composite pictures which comprises projecting a background scene onto a translucent screen, photographing action before said screen, changing the field of view of the camera employed for said photographing, changing the size of the projected field



a corresponding amount and photographing the action with the changed projected field whereby "close-ups" and "long shots" of the action are obtained before the same background.

2,004,987
COMPOSITE MOTION PICTURES
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application January 8, 1934, Serial No. 705,655
2 Claims. (Cl. 88—16)

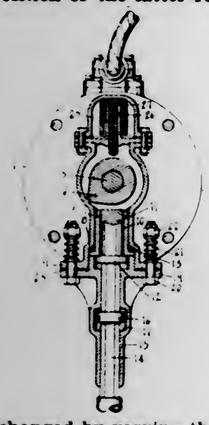


1. The method of producing composite pictures which comprises projecting onto a translucent screen a background scene representing a real background scene outside of the locus of said screen, photographing action before said screen, changing the magnification of the image of said action in said camera, changing the magnification of the projected background scene a different amount to compensate for said change of magnification of the image of said action in said camera, said different amount of change of magnification being of such an extent that the background on the camera film is of the same size as if the real background had been photographed directly, and photographing the action with the magnification of said action and of said projected background scene thus changed.

2,004,988
TAMPER AND LIKE IMPACT TOOL
Corwill Jackson, Chicago, Ill.
Application August 20, 1930, Serial No. 476,606
5 Claims. (Cl. 125—33)

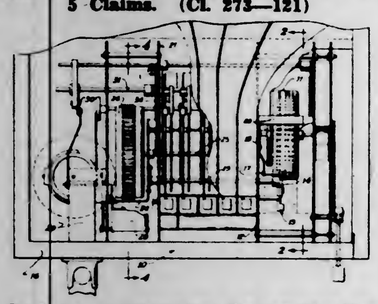
5. In a structure of the class described, the combination of a casing having an elongated bore provided with an enlarged end portion forming a shoulder, an elongated bushing fitting said bore and having an end flange fitting said enlarged end portion thereof, shims disposed between said shoulder and flange; a tool holder mounted on said casing and having an internally shouldered socket telescoped within said enlarged end portion of the bore and engaging said end flange of the bushing, and a tappet disposed through said bushing and having a flange in said socket coacting with the shoulder thereof and the end

flange of said bushing to limit the travel of the tappet, the position of the latter relative to the



casing being changed by varying the number of said shims.

2,004,989
GAME APPARATUS
Claude R. Kirk, Oak Park, and Edward E. Collison, Chicago, Ill., assignors to Standard Ticket Games Corporation, Chicago, Ill., a corporation of Illinois
Application November 30, 1934, Serial No. 755,267
5 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet; a score-indicating or registering dial in said cabinet and normally visible from a point outside said cabinet; a coin slide having a coin receiving aperture; a member movable over the peripheral surface of said registering dial and adapted when in effective position to render the latter invisible from outside said cabinet; means automatically moving said member into effective position when and if said cabinet is tilted from its normal and proper operating position; and means coacting with said coin slide and necessitating the insertion of a coin of proper denomination into the said coin aperture of the same to reset the said member back into its initial or ineffective position.

2,004,990
GAME APPARATUS
Claude R. Kirk, Oak Park, and Edward E. Collison, Chicago, Ill., assignors to Standard Ticket Games Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1934, Serial No. 755,681
5 Claims. (Cl. 273—121)

1. In a game apparatus, the combination of: a cabinet including a member providing a ball playing surface having a ball exit or scoring opening formed therein; a ball return runway arranged below said playing surface and having communication with said ball exit or scoring opening; a score-recording or printing device arranged in the cabinet including a rotary printing drum and a gear for timing the operation and duration of rotation of said printing drum; an auxiliary timing gear carriage pivotally mounted in the said cabinet; said carriage having an auxiliary timing gear rotatably mounted thereon and the latter being movable into en-



gagement with the first-named timing gear; an electromagnetic circuit including an electromagnetic device coacting with said timing gear carriage to pivot the said auxiliary timing gear carried thereby into engagement with the said main timing gear; and a circuit opening and closing device arranged in said ball return runway and operable by a ball traveling therealong to close the said electromagnetic circuit and pivot the said auxiliary timing gear into engagement with the said first-named timing gear so as to allow the said printing drum to rotate a predetermined circumferential distance.

2,004,991
PRECAST CONCRETE JOIST AND SLAB CONSTRUCTION
Henry O. Klotz, Bethel, Conn., assignor to The Redding Marble Company, New Haven, Conn., a corporation of Connecticut
Application September 22, 1934, Serial No. 745,079
10 Claims. (Cl. 72—68)



1. A roof or floor construction comprising supporting joists, precast cementitious slabs on said joists, a pair of said slabs having their adjacent edges rabbeted providing a groove, stirrups anchored by and extending above said joists and entering said groove, a member in and extending longitudinally of said groove, and means on said stirrups to clamp said member against the portions of the slabs forming the bottom of the groove and clamping said slab portions against the joists.

2,004,992
COMPOSITE MOTION PICTURE
Hans F. Koenekamp, Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application October 30, 1933, Serial No. 695,789
5 Claims. (Cl. 88—16)

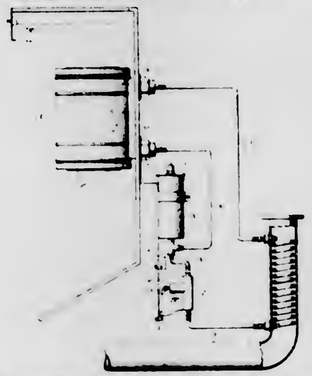
2. Photographic apparatus comprising the combination of a camera having film advancing mechanism, a synchronous motor therefor, a projector having film advancing mechanism, a synchronous motor therefor, indicia individual to said film advancing mechanisms for indicating the positions thereof, a circuit for operating said motors in synchronism, means for changing the driving relation between the film advancing mechanism for said projector and its associated motor to adjust the film advancing mechanism

of said projector in relation to its associated indicia to correspond with the start position indicated by the film advancing mechanism of said camera and its associated indicia, a casing for



said camera, and means comprising an aperture in said casing for permitting an observer to read the indicia for said film advancing mechanism for said camera when said casing is closed.

2,004,993
AUTOMOBILE HEATER
William Karsel, Chicago, Ill., and Charles W. Taylor, St. Louis, Mo.; said Taylor assignor to said Karsel
Application October 28, 1931, Serial No. 571,588
18 Claims. (Cl. 257—241)

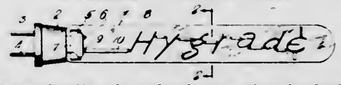


1. In a heater of the class described, the combination with a steam generator associated with the exhaust of an explosive motor to utilize the exhaust gases thereof for generating the steam therein, of a heat distributing element located in the space to be heated, means for conveying steam from said generator to said heating element, pulsating means for feeding water to said generator, a feed-water supply to which said feeding means is connected and from which the water is fed to the generator in accordance with the pulsations of the feeding means, and means for returning water of condensation from the heating element to said feed-water supply.

2,004,994
AMIDINES
John Lee, Zurich, Switzerland, assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 6, 1933, Serial No. 688,359
4 Claims. (Cl. 260—105)

4. Compounds selected from the group consisting of N-(2-ethoxy-5-xenyl) N'-(p-phenetyl) acetamidine; N, N'-di-(2-ethoxy-5-xenyl) acetamidine; N-(2-ethoxy-5-xenyl) N'-(p-carbethoxy-phenyl) acetamidine; and N-(2-ethoxy-5-xenyl) N'-(2-carbethoxy-5-xenyl) acetamidine.

2,004,995
GLOW DISCHARGE SIGN
Clarence J. Le Bel, Lynn, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application October 30, 1931, Serial No. 572,089
9 Claims. (Cl. 176—124)

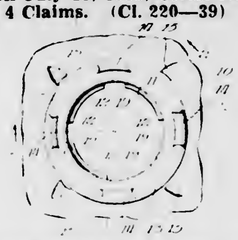


8. A cathodic glow discharge sign including an anode, a cathode in the form of an elongated design positioned in end-on relation with respect to the anode so that successive portions of the cathode are progressively more remote from the anode, and means including an elongated hollow insulator closely confining the cathode and a source of varying current for causing the cathode glow to progress in length along the elongated cathode from the portion nearest the anode and in synchronism with variations of said source.

2,004,996
PROCESS FOR CONDENSING UREA WITH FORMALDEHYDE OR THE POLYMERIC BODIES THEREOF AND THE PRODUCT OBTAINED THEREFROM
Julien Malet and René Armenault, Paris, France, assignors of one-half to Fabriques de Produits de Chimie Organique de Laire, Societe Anonyme, Issy-les-Moulineaux, France
No Drawing. Application December 2, 1929, Serial No. 411,212. In France December 6, 1928
4 Claims. (Cl. 260—3)

1. A process for condensing urea with formaldehyde to give a product adapted to be hardened upon application of heat, which process comprises reacting approximately 60 parts of urea with 220–250 parts of a 30% aqueous formaldehyde solution in the presence of 1–2 parts of zinc carbonate as a condensation agent, heating the mixture to boiling, filtering to remove excess condensation agent, and evaporating the filtrate to a syrupy consistency in a vacuum at a temperature not exceeding 50° C.

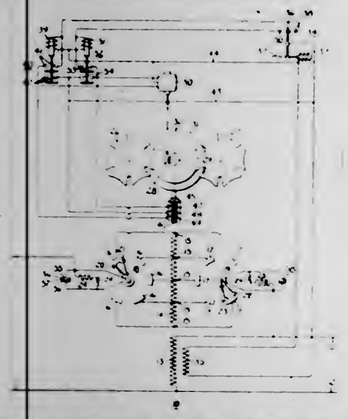
2,004,997
SEALING DEVICE
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 13, 1932, Serial No. 622,264
4 Claims. (Cl. 220—39)



1. In combination, a metal barrel wall provided with a bung opening, a bung adapted to be threaded into said opening, a gasket adapted to be ap-

plied between the bung and the barrel wall, said gasket being provided with projections, projections formed on said barrel wall adjacent said opening adapted to engage the projections of said gasket and hold same against rotation, and sealing means adapted to connect the bung and gasket to prevent surreptitious rotation of the bung.

2,004,998
TRANSFORMER TAP CHANGING MECHANISMS
Orin P. McCarty, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 29, 1933, Serial No. 700,239
4 Claims. (Cl. 171—119)



1. The combination with a transformer winding provided with taps, of a switch having fixed contacts connected to said taps and two contacts insulated from each other and movable along said fixed contacts, means for moving said movable contacts alternately from one fixed contact to another, an impedance and a circuit interrupter connected in series between said movable contacts, and a normally open cutout connected in parallel with said impedance and interrupter, said circuit interrupter being responsive after a predetermined interval of time to open the circuit through said switch, whereby substantially full circuit voltage is impressed across said cutout, and said cutout being responsive to said voltage to close said circuit.

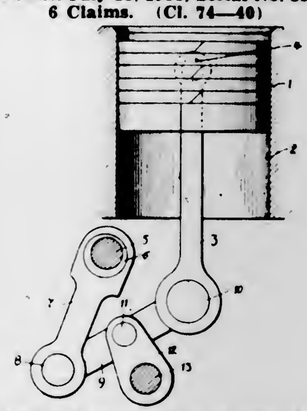
2,004,999
GROUND ROD
William J. McIlvane, Bellerose, N. Y., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application August 24, 1932, Serial No. 630,202
5 Claims. (Cl. 173—31)

1. In a device for connecting electrical apparatus to ground, the combination of a ground rod body adapted to be driven into the ground, said body being made of ferrous material and resistant to bending, a clamping block located adjacent the upper end of the rod body and extending parallel to said body in the plane thereof and presented edgewise to said body and curved to conform to the periphery thereof, said block having at the side face thereof a non-ferrous surface adapted to be engaged by ground wires for preventing electrolysis, means of connection between the edge portion only of said block and the rod body for securing the block to the rod body in rigid relation thereto, a clamping member of non-ferrous material located at one of the side faces of said block and adapted



to clamp ground wires against said block, and a bolt extending into said block and clamping member for holding said clamping member in clamping relation to the wires.

2,005,000
DIFFERENTIAL MOTOR
Lauritz N. Miller, Eugene, Oreg., assignor to L. N. Miller Engineering Corporation, a corporation of Delaware
Application July 18, 1931, Serial No. 551,715
6 Claims. (Cl. 74—40)

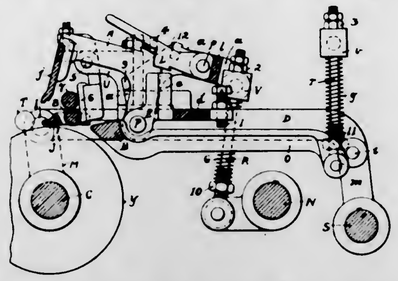


1. In combination, a piston, a member, a pitman connected to said piston and to one end of said member, an eccentric, a link supported by said eccentric, means operatively connecting said link to said member, a driven crank, and a crank pin directly connecting said member and crank.

2,005,001
COMBING MACHINE
John William Nasmith, Manchester, England
Application January 24, 1933, Serial No. 653,301
In Great Britain March 2, 1932
5 Claims. (Cl. 19—121)

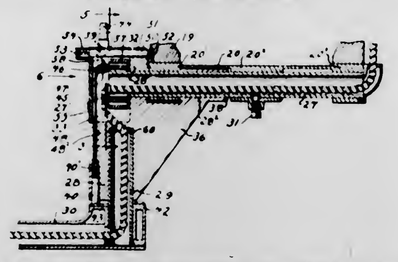
1. In a combing machine of the type referred to, a combing cylinder, a lower nipper jaw pivotally borne, means combined therewith for limiting its movement in two directions, that is to say, to and from the combing cylinder; a pivoted upper nipper jaw, and means combined therewith for limiting its movement towards the combing cylinder, compressible spring means between the lower nipper jaw and its upwardly limiting stop, actuating means to cause descent

of the upper nipper jaw, and a spring compressible by such actuating means, this spring be-



ing stronger than the herein first mentioned spring, for the purposes hereinbefore set forth.

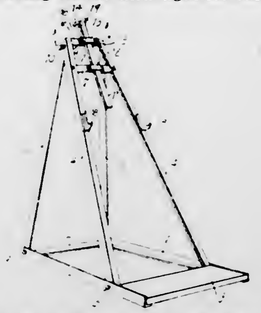
2,005,002
FOLDING STANDARD
George K. Parsons, Detroit, Mich., assignor to Unitor Corporation, Detroit, Mich., a corporation of Michigan
Application February 23, 1932, Serial No. 594,680
7 Claims. (Cl. 248—13)



5. In a foldable supporting standard, a base, a frame carried thereby and swingable about a substantially vertical axis, a sub-base carried by said frame and independently swingable about a substantially horizontal axis, and locking means substantially centered in an extended plane common to both axes for locking both the frame and sub-base against swinging movement, including an operating handle for the locking means movable in one direction to release the sub-base for horizontally swinging movement and in another direction to release said sub-base for vertical swinging movement.

2,005,003
WHEEL HOLDER
Louis J. Patton and Horace J. Terrill, Benton Harbor, Mich.
Application August 16, 1934, Serial No. 740,032
4 Claims. (Cl. 144—288)

4. In a device for supporting the rim of an automobile wheel for tire repair work, the combination of a slanting support against which a rim may be laid, said support having a pair of spaced upwardly facing hook members projecting therefrom to engage in the edge of the peripheral groove of a rim lying against said support to cooperate with said support in supporting said rim, and a downwardly facing hook member projecting from said support and mounted above and for movement to or away from said first mentioned hook members along the plane of said support and adapted to engage in the edge of the peripheral groove of a rim supported in said upwardly facing hooks and against said support,



and means for holding said downwardly facing hook in engagement with a rim thus supported.

2,005,004
LINK
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application March 12, 1932, Serial No. 598,356
5 Claims. (Cl. 287—85)

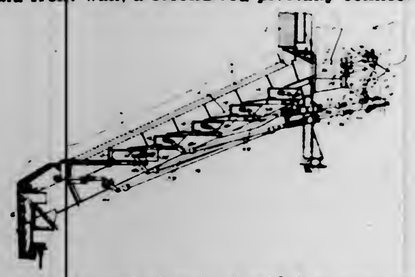


3. A link comprising a pair of shells secured together to define end sockets and an integral connecting portion extending therebetween, at least one of said sockets having an elongated opening therein, a resilient bushing member encased in said socket having a narrow slot therein in alignment with the shorter axis of said elongated socket opening, a stud member having a flat head associated with said socket and locked in the slot in said bushing, said flattened head of said stud member having a diameter slightly less than the longer axis of the socket opening.

2,005,005
STOKER DRIVE MECHANISM
Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1930, Serial No. 482,617
6 Claims. (Cl. 110—44)

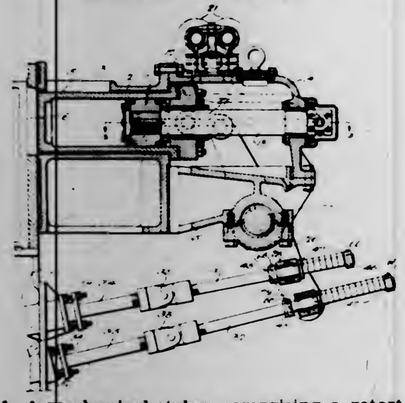
1. In a stoker, the combination with a retort including a plurality of fuel feeding elements, of a ram for feeding fuel into said retort, a front wall, a lever mounted outwardly of said wall, a

link connecting said lever to said ram at a point substantially along the longitudinal center line of the latter, said parts being so disposed that upon oscillation of said lever a substantially straight line motion is imparted to said ram, an actuating rod for each of said fuel feeding elements, said rods extending through bearings provided in said front wall, a second rod pivotally connected



to the outer end of each of said first mentioned rods, a member pivotally mounted in said lever on an axis transversely to the plane in which the lever oscillates, apertures provided in said member through which said last mentioned rods extend, means for preventing displacement of said rods from said apertures, and means for actuating said lever.

2,005,006
DRIVE MECHANISM FOR MECHANICAL STOKERS
Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 5, 1931, Serial No. 542,383
5 Claims. (Cl. 110—44)



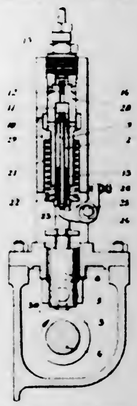
1. A mechanical stoker comprising a retort, a cylinder associated with said retort, a ram operating in said cylinder for feeding fuel to said retort, said ram projecting at one end from said cylinder, a plurality of fuel feeding pushers located in the bottom of said retort, hydraulic mechanism for actuating the ram, a plurality of rods, and fixed guides therefor supporting the rods for longitudinal reciprocation, links connecting said rods individually with said pushers, a lever operatively connected to the projecting end of said ram at a point substantially midway between the top and bottom thereof and adapted for oscillation by reciprocation of the latter, and adjustable means for operatively connecting said lever with the rods, said adjustment providing for relative variation of the movements of said pushers.

2,005,007
SHOE
Jacob Sandler, Brookline, Mass.
Application January 19, 1935, Serial No. 2,454
2 Claims. (Cl. 36—58.5)



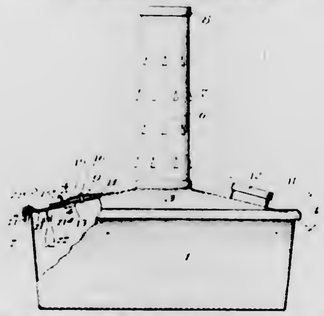
1. A shoe having a lace-receiving pocket extending along the top edge of the upper at each side from the rear end to the vamp portion at the front of the shoe opening, and a lacing having each half portion thereof extended through said pockets at each side from the rear to the front, then through said vamp portion, then obliquely crosswise and rearward and through each side of the shoe upper adjacent the front of the heel portion, to permit the lace end portions to be drawn forwardly and tied together at the front of the foot of the wearer.

2,005,008
FUEL INJECTION PUMP
Charles Schaer, Winterthur, Switzerland, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland
Application June 30, 1934, Serial No. 733,154
In Switzerland July 10, 1933
2 Claims. (Cl. 103—40)



1. In a fuel injection pump for internal combustion engines, a cylinder, a plunger therein forming a pump chamber therewith, means for reciprocating said plunger, a fuel supply chamber, a valve within said plunger controlling communication between said pump chamber and said fuel supply chamber, said valve having a stem passing through said fuel supply chamber and extending exteriorly of the same and of the plunger, a stop for engaging the exposed end of said valve stem to actuate said valve during reciprocation of said plunger, and means providing a continuous supply of fuel to said fuel supply chamber.

2,005,009
FLAME STABILIZING ATTACHMENT FOR ORCHARD HEATERS
Willis L. Scheu, Ontario, Calif., assignor to Scheu Products Company Limited, Ontario, Calif., a corporation of California
Application September 19, 1932, Serial No. 633,754
12 Claims. (Cl. 158—91)



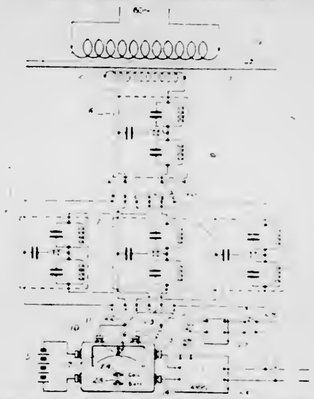
1. In combination with a liquid-fuel orchard heater having a receptacle provided with a side wall, a removable cover engaging the upper edge of said side wall and provided with an air-admitting opening located adjacent one edge thereof, a combustion stack communicating with the interior of said receptacle, and a regulating plate adjustably mounted on said cover and provided with aperture means movable into and out of position of registration with said air-admitting opening to provide for admission of air to maintain a generating flame within said receptacle adjacent said opening, said side wall and said regulating plate constituting enclosing members normally in substantially tight engagement with said cover so as to cause the interior of said receptacle to be substantially enclosed from the atmosphere except through said aperture means; a flame stabilizing device secured to said heater and having a portion extending between said cover and one of said enclosing members so as to separate said one member from said cover and provide for admission of additional air to the interior of said receptacle between said cover and said one member, at a point adjacent the position of said generating flame.

2,005,010
HAND GRILL
Benjamin H. Smith, Niles, Mich., assignor to Michgan Wire Goods Company, Niles, Mich.
Application March 19, 1934, Serial No. 716,369
10 Claims. (Cl. 53—5)
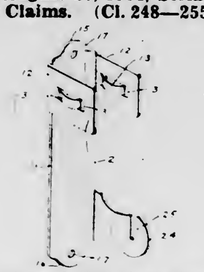


1. A grill of the character set forth for cooking hamburgers and the like, comprising in combination a pair of opposed imperforate plates upstruck to provide coacting spring flanges adapted to constitute a peripheral seal for the contents when the grill is closed, one of said plates having a pair of slots spaced from its outer edge, and the other plate having integral hinge members projecting from its outer edge and looped upwardly and inwardly through said slots to provide a hinged connection between said plates, and resilient handles for said plates consisting of pieces of wire bent on themselves to provide loop-like grips, extended shanks and diverging arms welded to inner corners of said plates at the back of said flanges, said handles being oppositely arched relative to each other so that the outer ends of the grips coact to provide a fulcrum facilitating the clamping of the plates together when said grips are sprung toward each other with the hand.

2,005,011
MAGNETIC TESTING APPARATUS AND METHOD
Sigfrid Specht, Fieldston, N. Y., assignor to Ferrous Magnetic Corporation, New York, N. Y., a corporation of New York
Application September 29, 1933, Serial No. 691,432
15 Claims. (Cl. 175—183)



1. Apparatus for magnetic testing comprising a single primary coil, a secondary coil in the field thereof, and filtering means in the circuit of said secondary coil comprising a filter for intercepting the fundamental component of current in said secondary and a separate filter for passing only a single selected harmonic component of said secondary current.

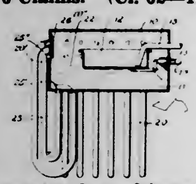
2,005,012
COMBINED SHADE ROLLER AND CURTAIN ROD SUPPORT
Paul E. Sprinkel, Baltimore, Md.
Application August 27, 1934, Serial No. 741,678
2 Claims. (Cl. 248—255)



1. In a device of the class described, a flat bracket, uprightly disposed members thereon with sides substantially parallel and situated near the top portion of the bracket, said members being adapted to be embraced by the walls of the end portions of curtain rods, and a tongue stamped out of each member and bent to form a compressible hump and resiliently press against the

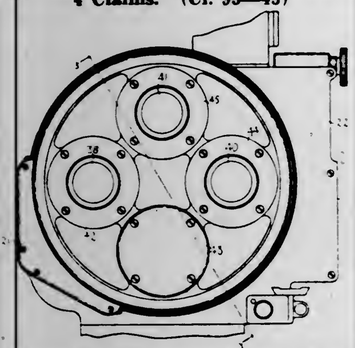
side walls of the said end portions, the tongues being disposed with the open or loose ends towards the insertion direction of the rods and adapted to frictionally engage therewith relatively far up the same.

2,005,013
EVAPORATOR FOR REFRIGERATION MACHINES
Alfred Teves, Frankfort-on-the-Main, Germany
Application January 29, 1932, Serial No. 589,737
In Germany February 26, 1931
6 Claims. (Cl. 62—126)



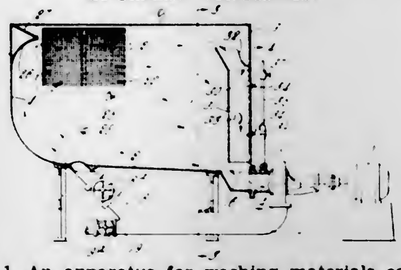
1. An evaporator for refrigerators comprising a reservoir for liquid refrigerant, a plurality of refrigerating tubes connected thereto each having a portion below but both ends arranged above the normal level of liquid refrigerant, whereby they are normally empty of liquid refrigerant, and at least one refrigerating tube connected to said reservoir with its inlet end below the normal liquid level.

2,005,014
FOCUSING DEVICE FOR A MOTION PICTURE CAMERA
Albert W. Tondreau, Hollywood, Calif., assignor to Warner Brothers Pictures, Inc., New York, N. Y., a corporation of Delaware
Application April 19, 1932, Serial No. 606,084
4 Claims. (Cl. 95—45)



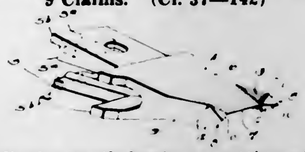
1. A motion picture camera, comprising a lens holder having a plurality of lens apertures circularly arranged therein, said holder having a peripheral groove, a stationary ring fixed to the casing of said camera and surrounding said lens holder, the exterior surface of said stationary ring being provided with a cam surface, a movable ring having a co-operating cam surface and surrounding said stationary ring, a shoe fixed to said movable ring and adapted to ride in said groove in said lens holder, said stationary ring having a slot through which said shoe extends, means for locking any one of the lens apertures in photographing position for permitting longitudinal movement thereof while preventing rotation thereof, and means for rotating said movable cam ring.

2,005,015
APPARATUS FOR WASHING OR TREATING MATERIALS
William F. Traudt, Buffalo, N. Y.
Application November 28, 1934, Serial No. 755,207
11 Claims. (Cl. 141—12)



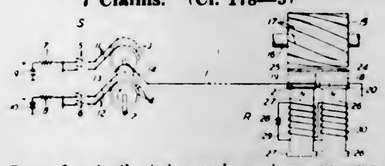
1. An apparatus for washing materials comprising a tank adapted to contain the material in a fluid mixture, means for supplying the washing fluid to the tank, a circulator for the fluid mixture having a suction connection opening into the tank adjacent one end thereof, and a discharge connection arranged to discharge into the lower portion of the tank toward its opposite end, a deflector extending across and upwardly and inwardly from said last mentioned end of the tank, whereby the fluid mixture is deflected upwardly and inwardly and caused to flow away from said end lengthwise in the upper portion of the tank, an overflow chamber communicating with said tank by an opening covered by a stationary screen and located between said suction and discharge connections and past which the fluid mixture flows, and an overflow outlet for discharging to waste the soiled fluid from said overflow chamber located approximately in a horizontal plane tangential to the upper edge of said deflector.

2,005,016
DIGGING TOOTH
Lesher W. Van Buskirk, Easton, Pa.
Application June 27, 1932, Serial No. 619,561
9 Claims. (Cl. 37—142)



1. A digging tooth having a cutting edge having an increase in cross-section at its outer edges, providing forwardly jutting cutting portions extending from the cross-sectionally increased side portions beyond said cutting edge.

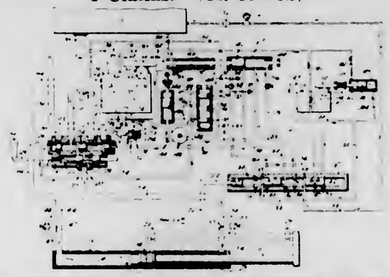
2,005,017
FACSIMILE TELEGRAPH SYSTEM
Edward Fisk Watson, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 26, 1933, Serial No. 691,044
7 Claims. (Cl. 178—5)



1. In a facsimile telegraph system, means for recording successive series signal impulses which

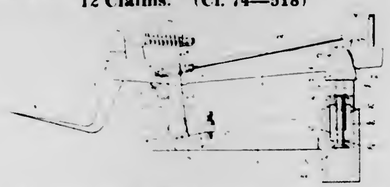
represent elemental areas of symbols in any one of a plurality of rows on a single tape which comprises a plurality of receiving mechanisms each of which comprises impulse receiving means, a platen member controlled thereby, and printing means for receiving and recording impulses representing symbols in the respective rows, and circuit instrumentalities connecting said mechanisms to the telegraph system for controlling said mechanisms in accordance with received signal impulses.

2,005,018
HYDRAULIC ACTUATING MECHANISM FOR PLANERS
Donald H. West, Marlboro, and Kenneth C. Monroe, Hudson, Mass., assignors to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application September 28, 1931, Serial No. 565,420
6 Claims. (Cl. 60—52)



3. Hydraulic actuating mechanism for a reciprocated member comprising a variable delivery reversible discharge pump and devices controlled from said member for varying and reversing the discharge of said pump, said devices including a control cylinder and piston connected to reverse said pump, and means by which the relative rates of movement of said control piston in different parts of its stroke may be separately varied and controlled during said pump reversal.

2,005,019
ACTUATING MECHANISM
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 7, 1934, Serial No. 743,036
12 Claims. (Cl. 74—518)



1. An actuating mechanism comprising a lever, a plurality of fulcra therefor, a support for one of the fulcra, said support including a displaceable fluid, and means for controlling the displacement of the fluid.

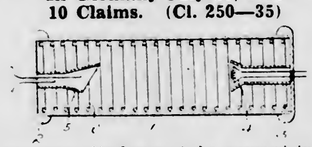
2,005,020
BOOKKEEPING MACHINE
Fritz Bossert, Mannheim, Germany
Application January 13, 1930, Serial No. 420,610
In Germany December 22, 1928
2 Claims. (Cl. 235—3)

1. In a machine of the class described, a kind of operation lever, a total and subtotal position for said lever, an entrance slot for introducing ledger cards of small and of large sizes, printing means, stop means operated by said kind of operation lever and partially blocking said entrance



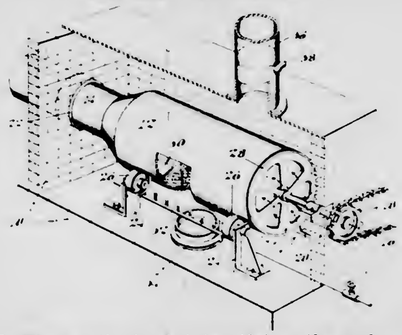
slot in said subtotal position, said stop means preventing the large size ledger cards from being introduced, but allowing said ledger cards of smaller size to be introduced for coaction with said printing means.

2,005,021
VACUUM TUBE
Arno Brasch and Fritz Lange, Berlin, Germany
Application September 13, 1930, Serial No. 481,654
In Germany July 23, 1929
10 Claims. (Cl. 250—35)



1. A vacuum discharge tube comprising an envelope, a cathode and an anode mounted therein and spaced to form a relatively long discharge-path therebetween for the desired discharge between cathode and anode, a plurality of closely spaced, electrically conductive rings within the envelope, said rings extending along said entire discharge-path and being electrically insulated from each other and from the exterior of said envelope.

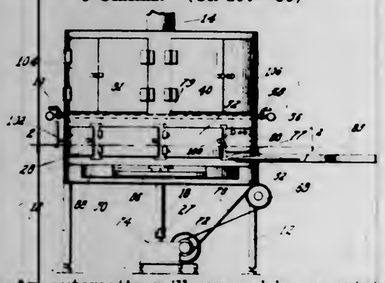
2,005,022
PROCESS OF IMPROVING CARBON BLACK
Edward H. Damon, Skellytown, Tex., assignor, by mesne assignments, to Cabot Carbon Company, Pampa, Tex., a corporation of Massachusetts
Application June 15, 1931, Serial No. 544,647
5 Claims. (Cl. 134—60)



5. The method of intensifying the color of carbon black, which consists in continuously agitating a measured charge thereof and subjecting

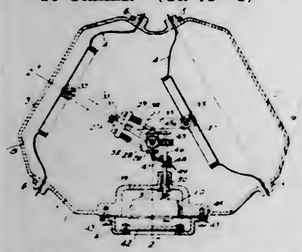
the same to a slow oxidation at a temperature below that at which calcining takes place but sufficiently high to increase the stable oxygen content of the carbon black.

2,005,023
AUTOMATIC CIRCULAR OVEN
Sidney Dawson, Chicago, Ill., assignor to Eloise R. Stalle, Chicago, Ill., administratrix of the estate of Albert P. Stalle, deceased
Application April 28, 1933, Serial No. 668,363
9 Claims. (Cl. 107—60)



1. An automatic grill, comprising a rotatable table, a source of heat above the table, the table adapted to have placed thereon a plurality of casseroles for exposing articles of food to the heat for a predetermined length of time, together with means for automatically removing the casseroles from the table at the end of said predetermined length of time, said means comprising an ejecting disk, and a common source of power for operating the rotating table and the ejecting disk.

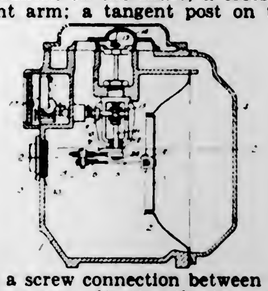
2,005,024
GAS METER
John C. Diehl, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware
Application February 24, 1933, Serial No. 658,287
10 Claims. (Cl. 73—1)



1. In a meter, the combination of a case; diaphragms mounted in the case in planes inclined to each other and forming measuring chambers responsive to the action of the diaphragms on the outer sides of the diaphragms and a chamber between the inner sides of the diaphragms extending from diaphragm to diaphragm; and means actuated by said diaphragms controlling the filling and discharging of said chambers.

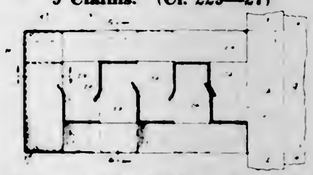
2,005,025
TANGENT
John C. Diehl, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware
Application August 25, 1933, Serial No. 686,803
8 Claims. (Cl. 73—1)

1. In a tangent, the combination of a shaft; a cross arm fixed on the shaft; a tangent arm rotatively mounted on the shaft; a cross head on the tangent arm; a tangent post on the cross



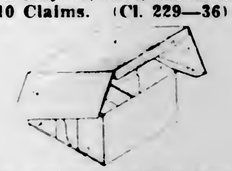
head; and a screw connection between the head and the cross arm adjusting the tangent arm.

2,005,026
PACKAGE FOR BOTTLES
Charles K. Ellsworth, Detroit, Mich.
Application September 11, 1933, Serial No. 688,964
9 Claims. (Cl. 229—27)



1. A box comprising a blank of material having marginal portions at opposite edges of the blank standing perpendicular to the original plane of the blank, said portions being apertured to receive bottle necks, the apertures in one of said portions being staggered relatively to those in the other portion, parts of said blank being formed to enclose said marginal portions.

2,005,027
BOX CONSTRUCTION
Charles K. Ellsworth, Toledo, Ohio
Application July 19, 1934, Serial No. 736,034
10 Claims. (Cl. 229—36)



1. In a box, a sheet of single-face corrugated stock creased to present the corrugations outward, a tuck under one of the sides of the box with its corrugated side facing inward of the box, a flap formed on another wall of the box and positioned to be inserted in surface engagement with said tuck and with its corrugations parallel to and in mesh with those of the tuck.

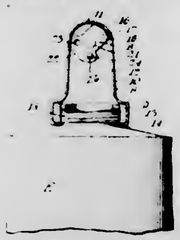
2,005,028
MEANS FOR LUBRICATING CONNECTIONS BETWEEN CONNECTING ROD, PISTON, AND CRANKSHAFT
James H. Eynon, Bath, N. Y.
Application April 27, 1934, Serial No. 722,652
2 Claims. (Cl. 74—587)

1. A rod for connecting the pin of a piston with the crank of a shaft, having upper and lower bearings which receive said pin and crank, respectively, two lubricant storage chambers arranged side by side fore and aft of the rod or circumferentially of said pin and crank and between the axes thereof, ports leading from opposite ends of each of said storage chambers to each of said bearings, and two lubricant catch



basins arranged side by side fore and aft of the rod or circumferentially of said upper bearing and above the axis thereof and each having a lubricant catch inlet in its top and a lubricant discharge outlet in its bottom leading to the upper bearing.

2,005,029
DISPENSER
Ethel A. Field, New York, N. Y.
Application August 28, 1933, Serial No. 687,085
17 Claims. (Cl. 221—60)



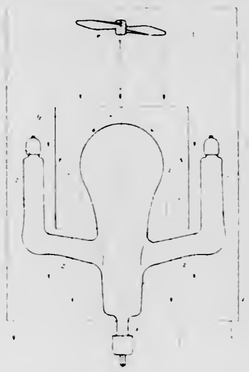
1. A dispensing device attachable to a receptacle comprising a cap member, a dispensing opening therein, a closure for said opening rotatably mounted within said cap member and insertable into said cap member through the receptacle attaching end thereof, manipulating means external to said cap member and operably connected to said closure, and means for releasably locking said closure in closed position.

2,005,030
VENEER FASTENING MEANS
Nelson O. Geisinger, Dover, Ohio
Application January 16, 1935, Serial No. 2,080
9 Claims. (Cl. 72—19)



1. In veneer wall construction, a wall, spaced strips on the wall, means attaching the strips to the wall, each strip being U-shaped in cross section and having longitudinally spaced projections, a plurality of veneering units each fitting between a pair of said projections, and there being slots in the sides of each strip in which said veneering units are received and supported in alignment with other units on the wall.

2,005,031
AIR-COOLING OF GLASS BULB RECTIFIERS
Franz Geyer, Vienna, Austria, assignor to "Elin" Aktiengesellschaft für elektrische Industrie, Vienna, Austria
Application May 14, 1930, Serial No. 452,496
In Austria August 28, 1929
13 Claims. (Cl. 250—27.5)



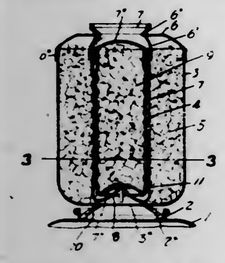
1 In combination with a glass bulb rectifier having a cooling head, anode arms, and a cathode, means for generating a current of air, and means for directing said current of air against the top of said cooling head and causing said current to flow along the entire outer surface of said cooling head and across said anode arms in the direction of said cathode.

2,005,032
KITCHEN UTENSIL LIFTER
Oscar Haemmerle, Union City, N. J.
Application September 28, 1934, Serial No. 745,980
2 Claims. (Cl. 294—31)



1. A device of the class described comprising an L-shaped handle member the shorter arm of which has outwardly extending portions merging into right angularly extending plates with concave-arcuate engaging edges, and a second handle member of L-shaped formation, means pivotally connecting the members at a point on the second member intermediate its longer arm and adjacent its shorter arm and at a point on the first mentioned member at the juncture of its shorter and longer arm, and a pivoted engaging element on the end of the shorter arm of said other member.

2,005,033
MILK COOLER
Edward Percival Hocking, Toronto, Ontario, Canada, assignor of one-half to Bert Grant, Toronto, Ontario, Canada
Application May 16, 1934, Serial No. 725,864
2 Claims. (Cl. 62—142)



1. A milk cooler comprising an outer annular ice chamber, a supporting flange extending around the open centre of the chamber at its lower end and adapted to fit the mouth of a milk can, a cylindrical ice chamber having a segmental spherical recess at its lower end, a spider carried by the outer chamber and extending upward at its centre into the recess to centre the lower end of the inner chamber, and spacing means between the upper end of the inner and outer chambers to permit a film of milk passing downward in contact with the walls of the inner and outer chambers to pass into a milk can when poured into the upper end of the open centre.

2,005,034
ROOF DEMONSTRATOR
Annon W. Holt, Long Beach, Calif.
Application April 30, 1931, Serial No. 534,117
6 Claims. (Cl. 35—16)



1. The combination in a roof demonstrating device of a body construction consisting of four side walls, a central post supported within said body, radial arms hinged at their inner ends to said post, pins on each arm intermediate its length and near its inner end, and roof sections each having a pair of openings so located that one of said openings will engage an intermediate pin when the section is assembled on a raised arm and the other of said openings will engage an inner pin when the section is assembled on the arm in its lowered position.

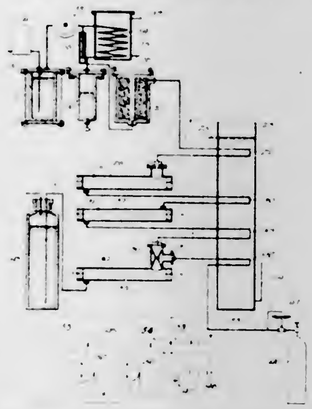
2,005,035
X-RAY APPARATUS
Jacobus Marinus Houtman, Eindhoven, Netherlands, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Dutch company
Application May 22, 1933, Serial No. 672,328
In Germany May 20, 1932
6 Claims. (Cl. 250—34)

1. A device for examining a body by means of penetrative rays, comprising a source of penetrative rays and a magnet associated with said source, a receiver for said rays and a magnetizable member for said receiver, said magnet being



adapted to hold said source in fixed relation with said body on one side thereof and to hold said ray-receiver on the opposite side of said body.

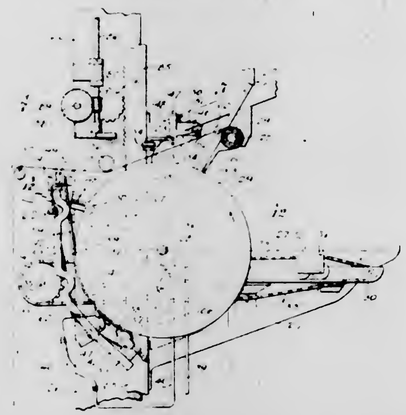
2,005,036
METHOD AND APPARATUS FOR GAS ANALYSES
Alonzo H. Don Howe, Chicago, Ill.
Application February 3, 1932, Serial No. 590,725
4 Claims. (Cl. 23—232)



1. The method of testing flue gases for their oxygen content which consists in removing carbon dioxide from the gases, maintaining the gases at constant pressure and temperature, passing the gases over heated catalytic agents to cause combustion of any combustible constituent thereof with any oxygen present, determining the temperature increase in the agents caused by the combustion, adding a gaseous combustible to the gaseous residue, passing the combined mixture over the other heated catalytic agents to cause combustion of the remaining oxygen, and determining the temperature increase in said last mentioned agents caused by the latter combustion.

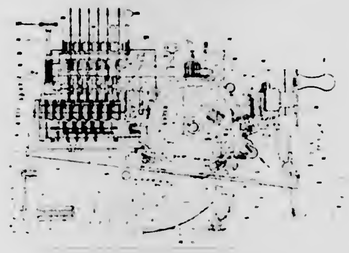
3. A continuously operating gas analyzing apparatus, in combination, a plurality of combustion tubes, a graduated orifice for admitting the gas at a constant pressure to the first of said tubes and connections for passing the gas through the remaining of the tubes, a second graduated orifice associated with the last of said tubes for admitting a combustible at a constant pressure thereto, catalytic wires located in the tubes and having connection to a Wheatstone bridge, means for heating said wires, means for maintaining the gas and combustible at a substantially constant temperature prior to the admission of the gas to the tubes, and means forming part of said bridge for measuring the change in resistance in said wires caused by the combustion in the tubes.

2,005,037
PAPER WEB CONNECTING MECHANISM FOR PRINTING PRESSES
Thomas Johancen, deceased, late of Linthicum Heights, Md., by The Fidelity Trust Company, administrator, Baltimore, Md., and John Alfred Jones, Baltimore, Md.
Application April 19, 1934, Serial No. 721,358
11 Claims. (Cl. 242—58)



3. In a paper feeding device for printing presses the combination with means for sustaining an expiring roll of paper while the latter is being fed to the press, of means for sustaining a fresh roll of paper, means for revolving the fresh roll, a device for bringing the web of the expiring roll and the periphery of the revolving fresh roll together, means revolving with the fresh roll and a solenoid-actuated device coacting with said revolving means for operating the device that brings the expiring web and the fresh roll together.

2,005,038
VALUE STAMPING DEVICE
Márton Kálmán, Budapest, Hungary, assignor to Universal Postal Frankers, Limited, London, England, a corporation of Great Britain
Application July 18, 1930, Serial No. 468,929
In Great Britain July 19, 1929
23 Claims. (Cl. 101—91)



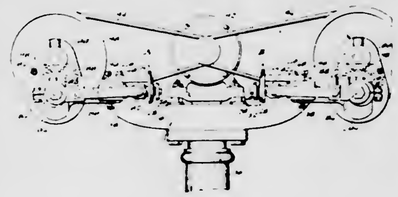
1. In a machine of the character specified, a set of omni-value printing wheels provided with gears, a set of omni-value setting up devices including manually operable levers and gears operated by said levers, a set of laterally movable shafts extending from said gears to said value printing wheels, pinions on said shafts adapted to mesh with the lever actuated gears and other pinions on said shafts adapted to mesh with the value printing gears; means for shifting the shafts to bring the gears thereon into mesh with the value printing gears and the setting gears, whereby the value printing gears may be shifted by said levers, and means for moving said shafts to disengage the gears.

2,005,039
CIGAR PACKAGE
Morris S. Kayner, New York, N. Y.
Application November 10, 1933, Serial No. 697,486
16 Claims. (Cl. 206—44)



2. A package for cigars and the like having in combination, end sections formed of endless bands of generally elliptical configuration to encompass the cigars in the package, and connected to each other in spaced relation by longitudinally extending struts, and means extending transversely of, and entirely across one of said end sections, to provide separators for the cigars in the package.

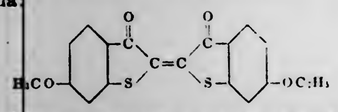
2,005,040
MACHINE FOR SLITTING COVERS ATTACHED TO HEELS
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 25, 1932, Serial No. 601,096
29 Claims. (Cl. 12—42)



1. A machine of the class described having, in combination, a plurality of cutting edges, means for guiding each of the edges in a path spaced from the paths of movement of the others, a gage for positioning the projecting margin of a cover attached to a heel with respect to the paths of movement of said cutting edges, and mechanism constructed and arranged to move said cutting edges simultaneously along their respective paths thereby to slit the margin of the cover simultaneously at a plurality of places to facilitate the folding of the cover around the heel.

2,005,041
6-METHOXY-6'-ETHOXYTHIOINDIGO
Carl Krauss and Walter Brunner, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 2, 1934, Serial No. 738,138. In Germany August 25, 1933
1 Claim. (Cl. 260—53)

The 6-methoxy-6'-ethoxy-thioindigo of the formula:

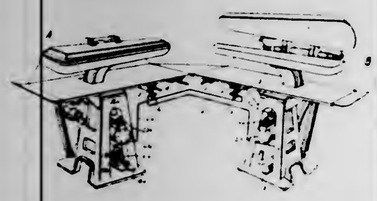


which dyestuff dissolves in concentrated sulfuric acid with a blue color and dyes vegetable fibers from a yellow vat bright reddish orange shades of a good fastness to light and boiling soap solutions.

2,005,042
PROCESS FOR THE MANUFACTURE OF COMPOUNDS OF THE ETHYLENE SERIES SUBSTITUTED BY AN AROMATIC RESIDUE
Willi Krey, Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 11, 1932, Serial No. 586,083. In Germany January 17, 1931
23 Claims. (Cl. 260—168)

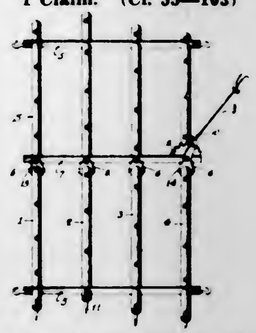
1. The process which comprises heating α-chloro-ethyl-benzene with an organic acid-reacting compound containing oxygen.

2,005,043
CONTROL ARRANGEMENT FOR TANDEM OPERATION PRESSING MACHINES
Edwin A. Mall, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 24, 1933, Serial No. 686,561
1 Claim. (Cl. 68—9)



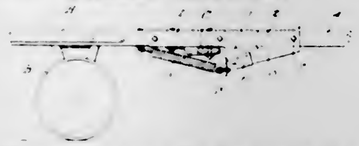
In combination, right and left hand pressing machines associated for tandem operation, each thereof including relatively movable cooperating pressing members narrowing toward one end, said machines being located at an angle to each other with the narrow ends of their pressing members closely adjacent the vertex of said angle, whereby both machines open toward and are controllable by an operator standing within the angle, power operating means for each machine, pressure-producing control means for each power means, and pressure-releasing control means for each power means, the control means for each machine being grouped and located nearer to its narrow than to its wider end, whereby an operator working adjacent the vertex of said angle can operate both groups of controls with minimum effort.

2,005,044
AGRICULTURAL IMPLEMENT
Frederick H. Muntzel, Boonville, Mo.
Refiled for abandoned application Serial No. 693,117, September 15, 1933. This application November 19, 1934, Serial No. 753,776
1 Claim. (Cl. 55—103)



In a harrow, a plurality of bars provided with depending teeth out of trailing alinement with respect to each other, end bars through which the toothed bars are rotatably disposed, an upstanding yoke on each of the toothed bars, a connecting member to which the upper ends of the yokes are pivotally connected, one of said yokes being provided with an upstanding hand lever, said connecting member being provided with a rack, and a detent on the lever for engagement with said rack.

2,005,045
RELIEF ATTACHMENT FOR CULTIVATORS
Harry W. Nelson, Brownville, Nebr.
Application March 6, 1934, Serial No. 714,306
4 Claims. (Cl. 97—199)



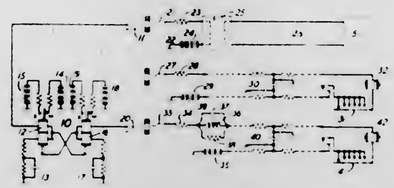
1. The combination with the tongue of a cultivator or the like having a tongue truck, of a box-like extension projecting forwardly from said tongue, a draft tongue fulcrumed within and projecting forwardly from the extension, said extension being proportioned to permit downward movement of that end of the draft tongue within the extension, and a spring connecting the tongues for resisting said movement and holding them normally in alinement.

2,005,046
PRINTING APPARATUS
Edward R. Newcomb, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application May 19, 1933, Serial No. 671,850
9 Claims. (Cl. 101—420)



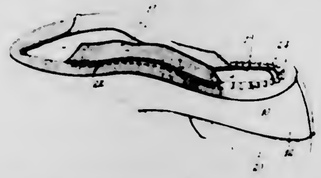
4. A printing accessory comprising a granular coated fabric in which the grain size is of the order of magnitude of .05 millimeter in diameter and in which the granular layer is approximately one grain deep while the lateral spaces between the grains are 4 grain diameters.

2,005,047
SIGNALING CIRCUIT
Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 24, 1933, Serial No. 653,326
6 Claims. (Cl. 178—71)



1. In a telegraph system, a plurality of subscribers' lines, a telegraph repeater having a fixed balancing network for balancing the impedance characteristics of each of said plurality of lines with which said repeater may be connected, means connected to said lines for neutralizing the capacity reactance of said lines, said means comprising an electrical network containing an inductance element.

2,005,048
SHOE AND THE MANUFACTURE THEREOF
Martin H. Randall, Beach Bluff, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 16, 1932, Serial No. 647,607
21 Claims. (Cl. 12—142)

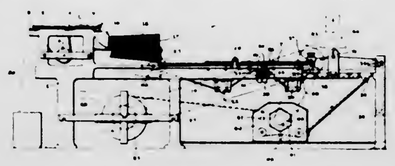


1. That improvement in methods of manufacturing shoes which comprises making a shoe upper fuller than normal by a width substantially equal to the lasting allowance of the upper, assembling the shoe upper and an insole upon a last, working the upper into lasted relation to the insole and securing it thereto, and turning back the excess material and securing it by an adhesive to the lasting allowance of the upper, thereby reinforcing the marginal portion of the upper.

14. A shoe having a multi-ply upper, one of the layers of the upper being turned back and cemented to the overlasted marginal portion of the upper, thereby reinforcing the marginal portion of the upper.

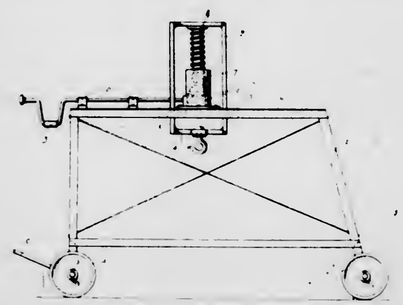
2,005,049
APPARATUS FOR MAKING IMITATION ASTRAKHAN FUR
Georges Romane, St. Mande, France
Original application April 22, 1929, Serial No. 357,089. Divided and this application February 10, 1934, Serial No. 710,705. In France June 30, 1928
4 Claims. (Cl. 154—1)

1. Apparatus for making imitation astrakhan fur, comprising means for feeding a continuous strip of backing material and a strip of previously gibboused chenille toward each other in opposite directions; means for automatically coating with adhesive material a face of the backing material during its feed movement; mechanism for automatically cutting the chenille sheet into



bits of suitable size and shape and depositing them upon the coated face of the backing strip; means for applying powder upon the said coated face of the backing strip to fill the interstices between adjacent chenille bits; and means for winding up the powdered backing strip.

2,005,050
PORTABLE HOIST
William J. Ross, Tarrant, Ala.
Application November 7, 1934, Serial No. 751,895
1 Claim. (Cl. 254—7)

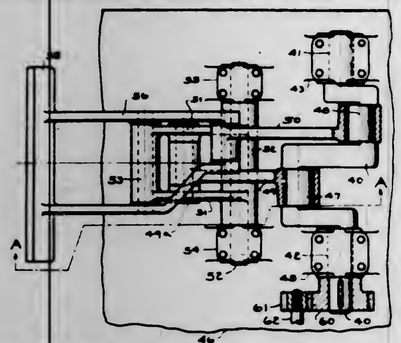


A portable hoist comprising a wheeled supporting structure including a horizontal beam, guides mounted on the sides of said beam, a vertically movable hoisting frame slidably mounted on the beam and operable in the guides, said beam extending through said hoisting frame, a screw jack mounted on the beam and rising therefrom within the hoisting frame, said screw jack being operatively connected to the hoisting frame for actuating the latter, means for connecting the hoisting frame to the work and a hand crank rotatably mounted on the beam and operatively connected to the screw jack for actuating said screw jack.

2,005,051
MECHANICAL MOVEMENT
Norbert C. Rubin, Cleveland, Ohio, assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 15, 1933, Serial No. 666,337
23 Claims. (Cl. 74—1)

1. In a linkage system, a crank shaft having cranks, means to rotate the shaft and cranks, a driven member, linkage connecting the said cranks with the said driven member operable

upon the rotation of the crank to impart motion to the driven member, the said motion having



only one position of dwell for each revolution of the crank.

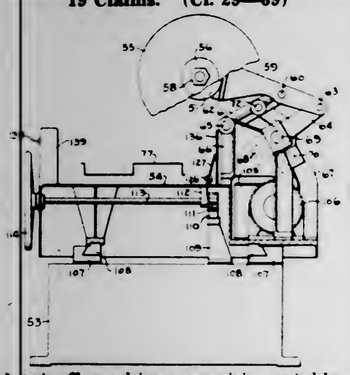
2,005,052

CUT-OFF MACHINE

Norbert C. Rubin, Cleveland, Ohio, assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 27, 1933, Serial No. 673,133

19 Claims. (Cl. 29—69)



1. A cut-off machine comprising a table, a cutting element movably mounted thereon, means to move the element in one transverse direction across the table while in operating relation thereto and to return the element through a reverse transverse direction in an elevated position, the said means comprising a crankshaft having a plurality of differently related cranks, and linkage connecting the cranks with the cutting element.

2,005,053

FUSE FOR PROJECTILES AND PARTICULARLY FOR SMALL CALIBER HIGH EXPLOSIVE PROJECTILES

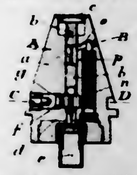
Valentin Schläfer, Sommerda, Germany, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Duesseldorf-Derendorf, Germany, a corporation of Germany

Application December 26, 1933, Serial No. 704,022

In Germany July 13, 1932

3 Claims. (Cl. 102—37)

1. In a time and percussion fuse for projectiles, a detonating pin consisting at least partially of explosive material, a percussion member cooperating with said pin, means preventing actuation of the detonating pin by the percussion member, means for releasing the detonating pin from the preventing means at a predetermined in-



terval after firing the projectile, and means for igniting the explosive material of the detonating pin at an interval after firing the projectile greater than said first mentioned interval.

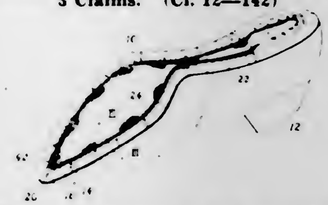
2,005,054

METHOD OF MANUFACTURING SHOES

John K. Smith, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 14, 1931, Serial No. 574,954

3 Claims. (Cl. 12—142)



1. That improvement in the manufacture of welted shoes having cement-attached soles which comprises separating the portion of the welt outside of the inseam from the shoe upper at the forepart of the shoe before the outsole is attached but letting the welt at the shank portion of the shoe lie against the shoe upper in substantially the position in which it is left by the welting operation, rolling the inseam and the adjacent stock in such a manner as to tend to force the welt against the shoe upper at the shank but to flatten the inseam at the forepart without forcing the outer marginal portion of the welt against the shoe upper, and cement attaching an outsole to the shoe.

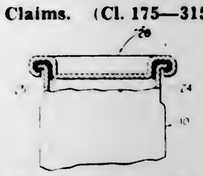
2,005,055

ELECTROLYTIC DEVICE

Robert C. Sprague and John F. McCann, Williamstown, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts

Original application April 22, 1932, Serial No. 606,943, now Patent No. 1,997,185, dated April 9, 1935. Divided and this application May 8, 1934, Serial No. 724,592. In Canada September 19, 1932

2 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a metallic container open at one end, a film-forming electrode in said container, and a liquid electrolyte in said container in which gases are developed during the operation of the condenser, a cap member for the closure of said open end of the condenser, and a finely meshed cloth washer impregnated with wax between said cap and said container, said washer permitting the escape of the gases, but being impermeable for the liquid electrolyte.

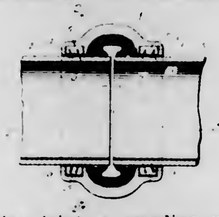
2,005,056

PIPE COUPLING

Joseph F. Stephens, Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo., a corporation of Missouri

Application May 26, 1934, Serial No. 727,596

6 Claims. (Cl. 285—194)



1. In a pipe joint, a coupling member constructed to receive the end of a pipe member, and a gripping element of circular section rotatably confined between said members and having its circular surface in positive bearing upon both; said gripping element having upon its said surface means through which it interengages with at least one of said members, positioned to translate a force in the direction of the axis of the joint into a rotation of the circular surface in contact with both members, thereby rendering said gripping element sluggishly rotatable in response to said force.

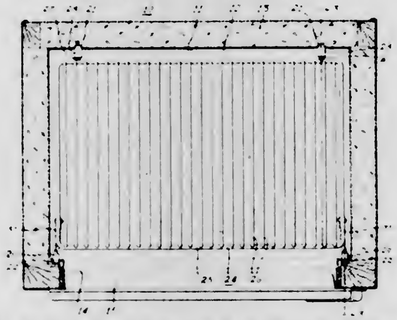
2,005,057

REFRIGERATING APPARATUS

Otto M. Summers, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application January 19, 1934, Serial No. 707,299

5 Claims. (Cl. 211—153)



1. A shelf for a refrigerator cabinet comprising, opposed supporting portions on said shelf adapted to fit against opposed walls of a compartment in the cabinet, certain of said supporting portions being pivotally secured to said shelf and forming a toggle device, said toggle device being so constructed and arranged that when in substantially horizontal alignment with the shelf the opposed shelf supporting portions are adapted to tightly engage the opposed walls of the compartment to firmly hold the shelf in position therein and when moved out of said substantially horizontal alignment with the shelf certain of said shelf supporting portions will be released from the compartment walls to permit free movement of the shelf relative to the walls, and certain of said shelf supporting portions being adjustable horizontally relative to said shelf.

2,005,058

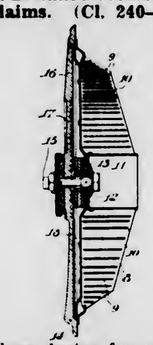
HEAD LAMPS INCORPORATING GLARE-PREVENTING DEVICES

Stanley Edward Talbot, London, England

Application November 22, 1933, Serial No. 699,157

In Great Britain November 26, 1932

3 Claims. (Cl. 240—48.4)



1. An anti-glare device for vehicle headlamps comprising in combination a beam-constricting device composed of a plurality of concentrically disposed circular rings for dividing the beam into a number of sections and a front glass positioned in front of and adjacent the said constricting device, said glass being formed with a horizontally disposed medial area which is formed at one side of the vertical center of the glass with a horizontally concave depression to effect spreading of the rays and on the other side of the said center with vertically disposed prisms of wedge-section having their thicker portions innermost to project the beam sections towards the axis of the lamp, and with top and bottom areas which are ribbed and forwardly inclined in the downward direction to effect downward deflection and lateral spreading of the rays which pass through said upper and lower areas.

2,005,059

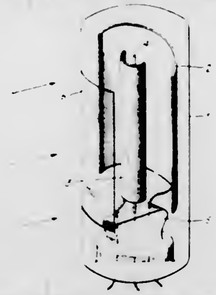
LIGHT SENSITIVE APPARATUS

William Francis Tedham, London, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain

Application October 27, 1933, Serial No. 695,381

In Great Britain November 11, 1932

5 Claims. (Cl. 250—27.5)



1. A photo-electric device comprising a primary cathode adapted to emit electrons when

subjected to illumination, a secondary cathode adapted to emit secondary electrons when electrons from the primary cathode impinge thereon, and an anode disposed between said primary and secondary cathodes, both of said cathodes being curved and mounted with their concave sides directed toward each other and towards the anode.

2,005,060

SHELLAC SOLUTION FOR THE PRODUCTION OF ETCHED PHOTOGRAPHIC PRINTING FORMS AND METHOD OF PREPARING IT

Max Taimann, Cologne-Braunsfeld, Germany, assignor to firm Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H., Leevenich, near Cologne, Germany

No Drawing. Application February 24, 1933, Serial No. 658,431. In Germany March 19, 1931

3 Claims. (Cl. 95—7)

1. A method for preparing a shellac solution to be employed for the production of etched photographic printing forms, consisting in that shellac is dissolved by means of a non-volatile water soluble alkaline substance of the class consisting of the hydroxides and carbonates of the alkali metals, and that the shellac solution thus obtained then is sensitized by a water soluble chromate of a non-volatile alkali.

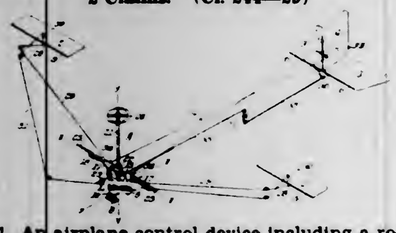
2,005,061

AIRPLANE CONTROL

Frank W. Thomas, Lincoln Place, Pa.

Application July 27, 1932, Serial No. 624,997

2 Claims. (Cl. 244—29)



1. An airplane control device including a rockable shaft, a yoke member secured to said shaft and rotatable about an axis at right angles to the axis of said shaft, said yoke member having spaced-apart bearings, a transverse shaft in said bearings, a control stick for said transverse shaft, a control arm in alinement and movable with said stick, and a pair of foot treadles secured to said transverse shaft.

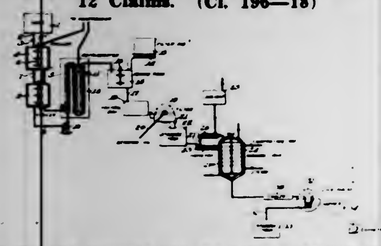
2,005,062

METHOD OF DEWAXING OILS

James W. Weir, Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 26, 1928, Serial No. 295,464

12 Claims. (Cl. 196—18)



7. In the removal of wax from wax-containing oil the improvement that comprises chilling the oil, then mixing the same while chilled with a filter-aid material, and filtering the wax and filter-aid material from the oil.

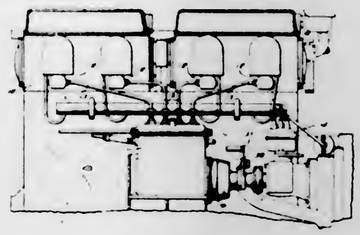
2,005,063

METHOD OF OPERATING INTERNAL COMBUSTION ENGINES

Julius E. Wild and Hans Hogeman, Springfield, and Wolfgang E. Schwarzmann, Longmeadow, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application March 13, 1934, Serial No. 715,258

4 Claims. (Cl. 123—139)



1. The method of operating an internal combustion engine of the type in which fuel is injected into the working cylinder and ignited by an electric spark, which consists in injecting the fuel during the compression stroke for initial operation, and advancing said injection to occur during the suction stroke after initial operation has been effected.

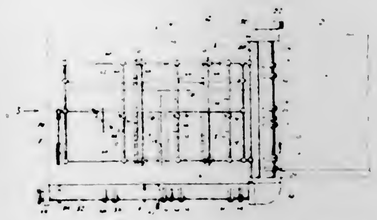
2,005,064

BLANK CUTTING AND CREASING MACHINE

Linwood Wismer, Audubon, N. J., assignor to Louis Wolf, Howard A. Wolf, and Elias Wolf, copartners doing business as National Metal Edge Box Company, Philadelphia, Pa.

Application January 5, 1932, Serial No. 584,762

7 Claims. (Cl. 164—62)



7. A blank cutting and creasing machine including a table, means for cutting into sections blanks fed towards the table, means for cutting the sections so formed when moved at an angle to their original movement, means for so moving the sections in succession from the table, said last means including a pusher having a range of movement sufficient to introduce the last trailing section to the second cutting means, means for preventing movements of sections overlying the pusher during retracting movements of the pusher, and means acting at certain times for preventing introduction of a blank to the first named cutting means but permitting the feeding of a blank to the first mentioned cutting means during the retracting movements of the pusher.

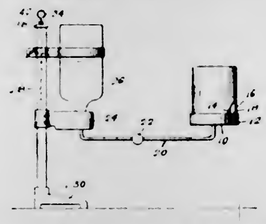
2,005,065

IGNITING DEVICE FOR OIL BURNERS

Ivan V. Abadjieff, Auburn, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application August 13, 1932, Serial No. 628,708

3 Claims. (Cl. 158—10)



1. An igniting device for oil burners comprising a long slender rod having a handle at the upper end and a porous mass at the lower end, and a snuffing device for the flame of said porous mass, said device being freely slidable on said rod and retained against detachment therefrom at one end by said handle and at the other end by said mass and having means providing a recess which is adapted to enclose and closely confine said mass and extinguish the flame thereof, the length of said rod between said handle and said mass being much greater than that of said snuffing device.

2,005,066

OIL SUPPLY APPARATUS FOR OIL BURNERS

Ivan V. Abadjieff, Auburn, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application December 9, 1932, Serial No. 646,426

2 Claims. (Cl. 158—40)



1. An oil supply for range type oil burners comprising a constant level oil reservoir, a supporting standard therefor, an inverted bottle having its neck seated upon and opening into said reservoir, a tube carried by said reservoir and extended upwardly thereabove alongside said bottle and having its lower end open to the interior of said reservoir, a bottle supporting device carried by said tube and engaged with said bottle, and an igniting device located removably within said tube and having it lower end immersed in the oil in said reservoir.

2,005,067

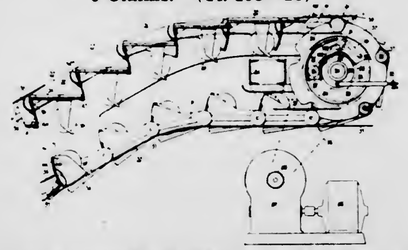
MOVING STAIRWAY

William Sebastian Graff-Baker, Kensington, London, England, assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application July 6, 1934, Serial No. 733,975

In Great Britain July 10, 1933

9 Claims. (Cl. 198—16)



1. In a moving stairway; an endless series of movable step units each having a step tread pivoted at its nose to the corresponding step unit; and means for maintaining the step tread of each step unit horizontal while such step unit is traversing the working run of the stairway.

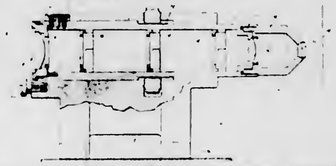
2,005,068

SOUND REPRODUCING APPARATUS

Max Carter Batsel, Yonkers, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 15, 1931, Serial No. 544,439

6 Claims. (Cl. 88—24)



1. A mounting for optical systems including means forming a linear image in predetermined orientation relative to the body of the optical system for film-type phonographic apparatus including a center-plate, comprising a base member having a surface adapted to contact with the center-plate and thereby maintain the base member accurately parallel to the plane of the axis of the film and co-operating fixed means on said base and said optical system for maintaining an optical system of circular cross-section in predetermined oriented relation to the said base member.

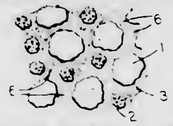
2,005,069

ACOUSTICAL PLASTER OR TILE AND METHOD OF MAKING THE SAME

Napoleon M. Bernier, Cambridge, Mass.

Application April 28, 1932, Serial No. 608,039

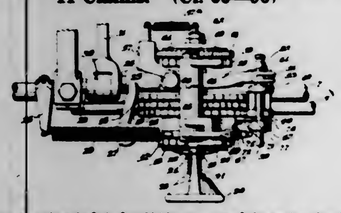
4 Claims. (Cl. 106—24)



1. The method of making a sound-absorbing material for walls which consists in forming a cementitious mixture in which is incorporated gran-

ules of pumice and cork in proportions of approximately three to one, causing the generation of gas within the mixture thereby to produce voids and producing a chemical reaction on the cementitious substance which destroys a portion thereof and thereby produces additional voids.

2,005,070
LACE ATTACHMENT FOR FULL FASHIONED KNITTING MACHINES
Gottlob Ritzer, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application May 4, 1933, Serial No. 669,290
11 Claims. (Cl. 66—96)



3. In a straight knitting machine including a series of needles, a point bar arranged to dip toward the needles, a unitary pattern control mechanism including an axle supporting a series of pattern cams capable of unitary movement, a normally inactive control cam, also supported by said axle, each said control cam and pattern cams capable of movement relative to each other, and separate racks operating said pattern cams and said control cam, and deriving their actuating motion from the same source.

2,005,071
SHOE
Frederick P. Wagner, St. Louis, Mo., assignor of one-half to Arthur J. Brauer, St. Louis, Mo.
Application March 3, 1934, Serial No. 713,785
7 Claims. (Cl. 36—45)



2. A shoe of the kind described having an exterior upper portion continuing about the throat, a part of said upper portion being folded under and formed to yield at the fold, and means cooperating with said yielding portion arranged to retract the same lengthwise of the fold.

2,005,072
BREATHING MASK
Leo Y. Booharin, San Francisco, Calif., assignor of one-third to William H. Lea and one-third to Bertram Werner
Application October 15, 1934, Serial No. 748,335
16 Claims. (Cl. 128—141)

1. In a breathing mask provided with a body portion adapted to fit over the nose and mouth of the wearer, said body portion having an air intake and an exhaust tube, said air intake including a disk valve adapted to open upon inhalations of the wearer and to close upon exhalations, and a strip of moisture-absorbent ma-



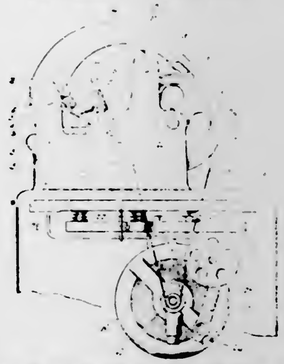
terial extending from a point adjacent the disk of the disk valve and into the exhaust tube for draining moisture into the exhaust tube.

2,005,073
SHOWER BATH SPRAY HEAD
Robert C. Boyd, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application June 30, 1934, Serial No. 733,253
11 Claims. (Cl. 299—144)



1. A shower bath spray head comprising a shell or casing having a water inlet and an elongated rectangular water outlet, a flow obstructing member mounted for oscillation within said casing over the outlet and provided with two rows of jet forming grooves.

2,005,074
PHONOGRAPH
Thomas C. Brown, San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 12, 1932, Serial No. 622,054
13 Claims. (Cl. 274—21)



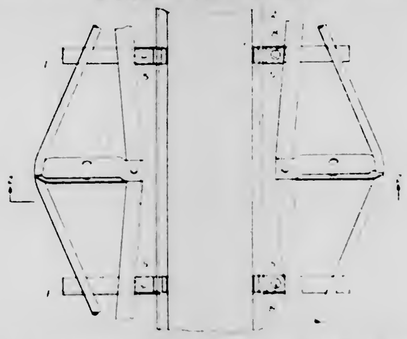
9. In a phonograph having motive means for driving the same and a mandrel, a feed screw and a sound box carriage all operable by said motive means, back-spacing means for said carriage, means independent of said motive means and comprising an electro-magnet for operating said back-spacing means, a control switch in the circuit of said electro-magnet, and a switching device comprising a member operable by said motive means to make and break said circuit intermittently.

2,005,075
LAMINATED GLASS AND PROCESS OF MAKING THE SAME
Brook J. Dennison, Tarentum, Pa., assignor to Duplate Corporation, Allegheny County, Pa., a corporation of Delaware
Application August 18, 1934, Serial No. 740,450
11 Claims. (Cl. 49—81)



1. A method of compositing a sheet of cellulose nitrate plastic and a glass sheet which consists in coating the face of the glass sheet with a cement comprising a water soluble plasticizer of the plastic, a water soluble silicate and water, assembling the sheets and applying heat and pressure.

2,005,076
RAILWAY BRAKE BEAM SUPPORT
Harold C. Dixon, Chicago, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a corporation of New Jersey
Application January 12, 1932, Serial No. 586,126
1 Claim. (Cl. 188—210)



In a railway car truck a spring plank, a brake beam safety support beneath said spring plank, oppositely disposed angular members mounted on said safety support and aligned slots in said spring plank for receiving said angular members, one of said members being rigidly secured to said support and the other being movably mounted to permit attachment of said safety support.

2,005,077
COAL TAR OIL AND PITCH
John V. E. Dickson, Yonkers, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application June 12, 1931, Serial No. 543,777
10 Claims. (Cl. 196—149)

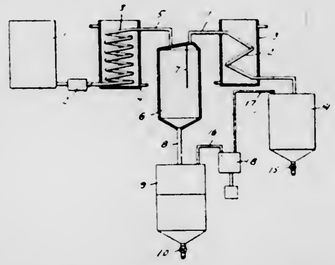
1. Coal tar oils comprising distillate obtained by the distillation of high temperature tar to pitch while minimizing decomposition of pitch and conducting the distillation to obtain a percentage oil yield by volume which bears the relationship to the average melting point of the resultant pitch, in degrees Fahrenheit, such that x is equal to not less than approximately

$$87-\frac{128}{2^{\frac{y}{100}}}$$

and not more than approximately

$$90-\frac{128}{2^{\frac{y}{100}}}$$

in which x equals the oil yield in percent by volume and y equals the meltinig point of the pitch in degrees Fahrenheit.

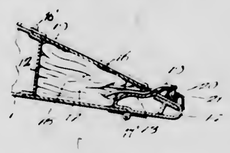


7. Coal tar pitch obtained as a residue of the distillation of high temperature coal tar resulting in the production of a percentage oil yield by volume which bears such relationship to the melting point of the resultant pitch, expressed in degrees Fahrenheit, that x is equal to not less than

$$87-\frac{128}{2^{\frac{y}{100}}}$$

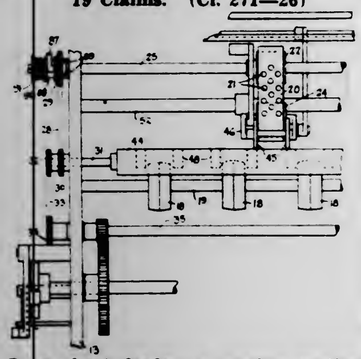
in which x equals the oil yield in percentage by volume and y equals the melting point of the pitch in degrees Fahrenheit and the oil yield is not more than 80 per cent by weight of the tar distilled.

2,005,078
AEROPLANE
Harry A. Douglas, Bronson, Mich.
Application March 5, 1930, Serial No. 433,308
Renewed December 2, 1931
3 Claims. (Cl. 244—21)



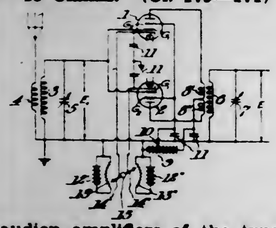
1. In combination with an aeroplane; a parachute attached thereto for checking its descent; a plurality of air chute defining members pivotally mounted on said aeroplane for releasably confining said parachute in a deflated condition; linkage mechanism for shifting said chute defining members in unison to an acute angle to the planing surface of said aeroplane to cause air to discharge said parachute from said air chute in a rearward direction; said linkage mechanism embodying a toggle connection for preventing the accidental operation of said mechanism.

2,005,079
SHEET FEEDER
Harry Ehlig, Pearl River, N. Y., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York (1934)
Original application September 13, 1928, Serial No. 305,643. Patent No. 1,829,984, November 3, 1931. Divided and this application July 14, 1931, Serial No. 550,673
19 Claims. (Cl. 271—26)



1. In a sheet feeder, a moving suction feed belt for separating and feeding sheets from a supply thereof, said belt having perforations therein formed in groups extending longitudinally of the belt and spaced apart lengthwise thereof to provide imperforate longitudinally extending belt portions that close the source of suction to atmosphere at predetermined intervals and thereby intermit the separation and feeding of said sheets, each group of perforations serving with the belt to separate and feed a single sheet from said supply during one cycle of operation of the belt and each group including a plurality of perforations extending lengthwise of said belt and acting one after another therewith on the single sheet.

2,005,080
AUDION AMPLIFIER
Paul O. Farnham and Raymond Asserson, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 3, 1929, Serial No. 397,123
13 Claims. (Cl. 179—171)



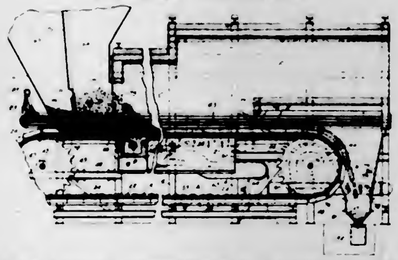
1. In audion amplifiers of the type in which distortion occurs at low amplification and in which means are provided for controlling over a wide range the amplitude of pulsations in the output circuit resulting from pulsations impressed upon the input circuit of the amplifiers, means for effecting linear amplication throughout the controlling range, which comprises means for impressing the signal energy across the input terminals of a pair of audions, means for adjusting the energizing potentials upon the respective audions to effect non-linear amplification at different rates, and means for delivering the amplified outputs from said audions to a common output circuit in phase opposing relation.

2,005,081
FISHING ROD
Bruce O. Gephart, Chicago, Ill.
Application September 8, 1934, Serial No. 743,228
7 Claims. (Cl. 43—23)



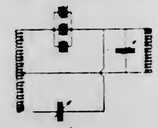
1. A guard ferrule for fishing rods in which the rod is detachably secured to the handle, said ferrule telescoping with the end of the handle and extending beyond the extremity of the handle for a substantial distance and secured to the rod at a point remote from said extremity, said ferrule being detachable from the handle with the rod section, and interlocking means between the ferrule and the handle for releasably securing them together.

2,005,082
INCINERATOR FURNACE
John E. Greenawalt, New York, N. Y.
Application June 17, 1931, Serial No. 544,973
4 Claims. (Cl. 110—8)



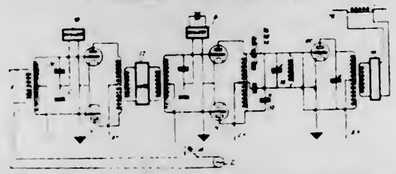
3. A furnace comprising a stationary section and a traveling section subjacent thereto, said stationary section enclosing a combustion chamber, said traveling section comprising a movable grate having side walls collectively forming the lower part of the furnace walls, driving means and supporting means outside the furnace walls for moving said grate through the combustion chamber, means for feeding material onto the grate at one end of the combustion chamber, means for dumping the grate at the opposite end of the combustion chamber, a stationary igniter beneath said grate near the inlet end of the combustion chamber and means for causing a supporter of combustion to traverse the grate and material thereon.

2,005,083
FILTER
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 7, 1927, Serial No. 203,901
10 Claims. (Cl. 178—44)



1. A band pass filter comprising, a plurality of piezo-electric crystals electrically connected in parallel and having different adjacent resonance frequencies, and means for neutralizing the inter-electrode capacity of the crystals.

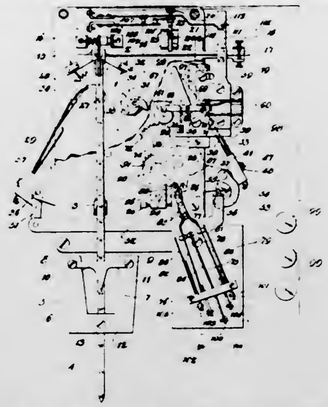
2,005,084
TRANSMISSION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 20, 1927, Serial No. 207,114. Divided and this application March 9, 1932, Serial No. 597,754. In Germany June 18, 1928.
3 Claims. (Cl. 178—44)



2. A communication system for transmitting keyed modulated energy having, in combination, a pair of push-pull connected electron discharge devices for combining oscillations of different frequencies and whose corresponding anode electrodes are connected together by an inductance coil, said coil comprising the input of a balanced bridge circuit, one leg of which comprises a piezo-electric filter, a second leg of which comprises a variable condenser adjacent said piezo-electric filter, and the other two legs of which constitute said inductance coil, and an output circuit connected between the midpoint of said inductance coil and the junction of said piezo-electric filter and variable condenser, whereby said filter enables the passage of selected energy for utilization by said system.

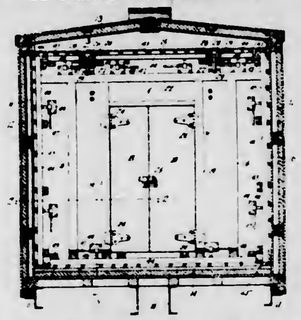
2,005,085
TIME CONTROLLED SWITCH
Paul Hungerbühler, Zug, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application December 5, 1930, Serial No. 500,326
In Switzerland December 17, 1929
9 Claims. (Cl. 200—30)

1. A switching mechanism including in combination a pair of levers, one of said levers being provided with a fixed pivot, the second lever being medianly pivoted on the first with their ends in substantial alinement, an actuating cam, means for normally pressing one end of the levers



against the cam, and a switch operated by the free end of the second lever.

2,005,086
MOVABLE PARTITION FOR VEHICLES
Les Jones, Peoria, Ill., assignor to Premier-Pabst Corporation, Chicago, Ill., a corporation of Delaware
Application July 21, 1934, Serial No. 736,360
11 Claims. (Cl. 105—376)

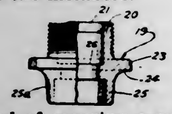


1. In a refrigerator car, a rigid transverse wall partition bodily adjustable lengthwise of the car, said partition being of only slightly lesser overall height and width than the inside height and width of the car; means for fixedly retaining the partition in adjusted position, said partition having a door embodied therein of sufficient size to provide access of a workman to both sides of the partition while the latter is retained in any adjusted position thereof within the car.

2,005,087
METHOD AND MEANS OF SECURING SPUDS AND SIMILAR FITTINGS IN RANGE BOILERS AND OTHER VESSELS, PIPES, ETC.
Henry W. Kamack, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application April 30, 1932, Serial No. 608,442
13 Claims. (Cl. 29—148.2)

2. In combination, a body including a wall having an opening therethrough, an inturned flange member about said opening, a backing member embracing the flange, a spud including a hollow neck extending through said opening, the inner end portion of said neck tapering outwardly to overlie the end of one of said members and provide a tapered outer wall on the neck to secure

the spud in the opening, and solder sealing the surfaces between the members.



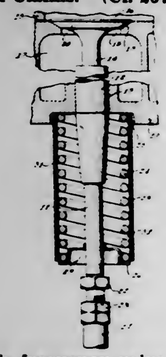
10. The method of securing a spud in a body having a wall, comprising forming an opening in a wall of the body, drawing a flange about said opening at the inner side of the wall, disposing a backing-up member at the inner side of said wall and about said flange, passing the neck of a spud through said opening and flange, expanding the inner end portion of the neck to a diameter greater than the diameter of the inner end portion of the flange, and providing an inclined outer wall on said neck portion engaging the flange to retain the spud in the opening.

2,005,088
DOLL
Abraham M. Katz, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y., a corporation of New York
Application January 9, 1933, Serial No. 650,751
8 Claims. (Cl. 46—40)



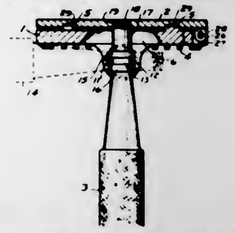
1. A doll's head made of bendable rubber, said head having a rigid reinforcement which is located at the interior of the front wall of said head, said reinforcement having an open part between which the eyes of the head are located, said reinforcement having side means which are vulcanized to the side walls of the head and which are at least partially imbedded in said side walls of the head.

2,005,089
VALVE SPRING
Henry Krebs, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 31, 1932, Serial No. 649,697
11 Claims. (Cl. 267—1)



1. In a high frequency valve operating structure, the combination with a coil spring for normally seating a valve, of resilient means restraining surge movements of the several coils of the spring relatively in high frequency operation.

2,005,090
ONE PIECE FOLDING RAZOR
Adolf W. Krieger, Brooklyn, N. Y.
Application March 6, 1934, Serial No. 714,281
7 Claims. (Cl. 30—12)



1. A safety razor of the one-piece type in which one end of the guard is hinged to one end of the comb, having a handle, said handle being adapted to hold securely together said guard and comb pieces with the blade between them, said comb having projections from the lower side thereof, said projections having bushings therein, said bushings being adapted to turn therein and having pins adapted to co-operate with a groove in the shank of said handle, said pins and groove forming a semi-universal joint allowing the handle to be rotated about its axis and also in a plane perpendicular to the comb, said comb having a slot adapted to permit said handle to rotate in a plane perpendicular to said comb when said handle is released from the guard plate.

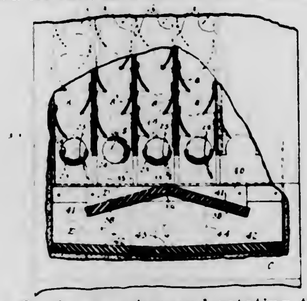
2,005,091
BOTTLE CAP AND SPREADING DEVICE
Walter E. Kuenstler, Grantwood, N. J.
Application April 7, 1934, Serial No. 719,455
4 Claims. (Cl. 91—67.3)



1. A device of the class described comprising, a bottle cap, an integral tubular downward extension thereon forming a spreader, both the cap and spreader being made of hard rubber, and a soft rubber bulb integrally formed on the cap and extending upwardly therefrom and communicating with the spreader.

2,005,092
BOTTLE DISPENSING DEVICE
Anthony Kuhn and Charles H. Heitman, New York, N. Y.; said Heitman assignor to Andrew D. Reid, Weehawken, N. J.
Application August 31, 1932, Serial No. 631,129
5 Claims. (Cl. 312—36)

3. In combination, means forming an upright passage chamber for bottles and the like, said chamber having its opposite sides respectively formed with staggered series of guide projections having upper soft highly frictional cushioned frictional guide faces respectively; each guide face engaging a bottle rolling down said face, to give it a spinning movement to project it to the opposite side of the chamber with the advance face of the bottle moving downwardly relative to its following face, and adapted while thus moving, to engage the next lower guide face on the opposite side of the chamber; the downward movement of said advance face, when it engages said next lower face tending to raise the bottle to retard its fall, said next lower face then fric-



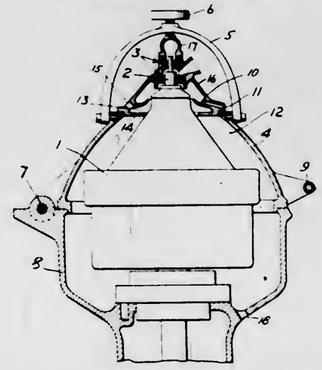
tionally firmly engaging and rotating the bottle in the opposite direction and again projecting it; the frictional quality of the face giving to the face enough frictional hold on the bottle, to give high speed rotation to the bottle as it leaves one face; said high speed rotation and the frictional hold of said next lower face being sufficient to cause a pause in the bottle when received, thereby to temporarily nullify and therefore retard the downward movement of the bottle, whereby breakage is prevented no matter how far a bottle may fall upon another in said space.

2,005,093
KNITTED FABRIC
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y., a corporation of New York
Application November 29, 1932, Serial No. 644,784
In Germany October 3, 1932
4 Claims. (Cl. 66—169)



2. A run resisting knitted fabric consisting of a course in which alternate loops are very short and intervening loops are very elongated, a second course composed of short alternate loops linked to short alternate loops of the first course and tightly held thereby and of elongated intervening loops, a third course composed of very elongated alternate loops linked to the short alternate loops of the second course and tightly held thereon, the intervening loops being floated between the elongated alternate loops, a fourth course composed of elongated alternate loops and short intervening loops linked to the elongated intervening loops of the first and second courses, a fifth course composed of very elongated intervening loops linked to the short intervening loops of the fourth course and tightly held thereon, the alternate loops being floated between the intervening elongated loops, a sixth course composed of short alternate loops linked to the elongated alternate loops of the third and fourth courses and elongated intervening loops, the short alternate loops being linked to very elongated alternate loops of the seventh course to begin a new similar series of courses.

2,005,094
CENTRIFUGAL SEPARATOR
Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application January 20, 1933, Serial No. 652,745
In Sweden January 25, 1932
7 Claims. (Cl. 233—46)



6. In a centrifuge of the "closed" type, the combination with a bowl and its neck, a packing box engageable with the bowl neck and subject to leakage and an enclosure for the bowl, of a leak collecting trough, liable to be heated by conduction from the bowl neck, spaced from it and completely surrounding it below the packing box and provided with a liquid outlet and means providing for a flow of cooling air in contact with the bottom of said trough.

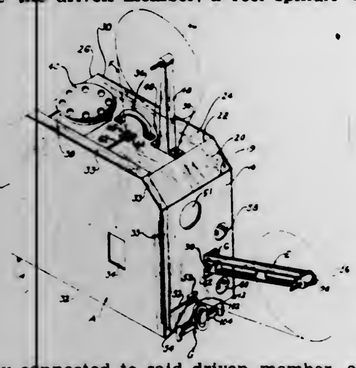
2,005,095
PROCESS OF MAKING JELLY
Gordon MacLean, Flushing, N. Y.
No Drawing. Application November 26, 1932, Serial No. 644,489
3 Claims. (Cl. 99—11)

1. The process of making jelly from fruit or the like without the addition of extraneous pectin which comprises forming a pulp of said fruit, subjecting said fruit to a violent mechanical agitation to disrupt the cellular particles of the pulp and separate them into finer particles so as to render available the pectin present in the original fruit material and to thoroughly mix it with the natural acids contained in the fruit juices, adding sugar to the material at a temperature sufficient to dissolve it, and allowing the mixture to set and form a jelly.

2,005,096
REEL ARM FOR MOTION PICTURE PROJECTORS
Philip S. Malickson, Bala, Pa.
Application September 29, 1934, Serial No. 746,088
14 Claims. (Cl. 242—55)

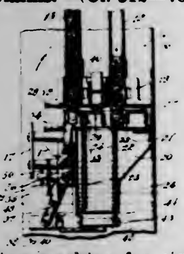
14. A take-up reel support for a motion picture projector comprising a demountable support arm; means at each end of said support adapted to be rotated, said means comprising a driving member and a driven member, means between

said driving member and said driven member whereby the rotation of the driving member will rotate the driven member, a reel spindle oper-



atively connected to said driven member, all of said means being retained in the same position irrespective of whether the arm is mounted or demounted.

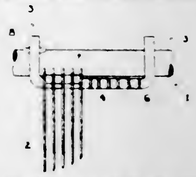
2,005,097
VENDING MACHINE
Samuel M. Malkin, Newark, N. J., assignor to Malkin-Illion Corporation, Newark, N. J., a corporation of New Jersey
Application June 17, 1933, Serial No. 676,299
6 Claims. (Cl. 312—78)



4. In a vending machine for cigars, said machine being adapted to support a forward column and a rear column of horizontally positioned cigars, an ejecting device comprising a plate with a transverse slot therein, a forward cross-member and a rear cross-member spaced therefrom, means to connect said cross-members so that they move in unison, a freely movable cross-member positioned between the first mentioned cross-members, said cross-members being slidable on the plate and having downturned flanges, each of said flanges having a pair of spaced vertical ribs, means to move the forward and rear cross-members rearwardly and backwardly on the plate, movement of said cross-members allowing a cigar to fall from the rear column and be ejected through the slot in the plate, at the same time preventing movement of the cigars in the forward column.

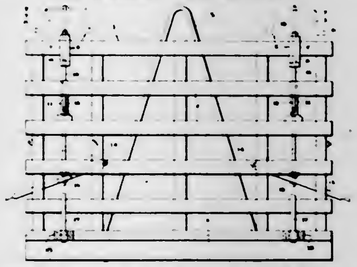
2,005,098
VARIABLE CONDENSER
Carl August Mayer, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application July 6, 1933, Serial No. 679,151
1 Claim. (Cl. 175—41.5)

A condenser comprising a supporting member, a rigid yoke thereon, the base of said yoke being parallel to said member and having slots in its opposite edges, conductor plates having recesses, the edges of which are received in said slots, the



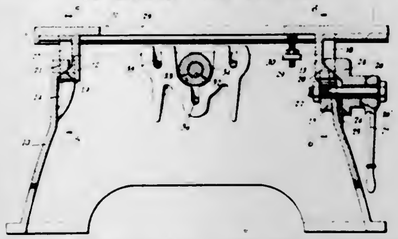
portions of the base of the yoke between the slots being bent so that the plates are rigidly secured to the yoke.

2,005,099
GLASS RACK
John D. McLeod, Oakmont, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application July 7, 1933, Serial No. 679,374
4 Claims. (Cl. 49—14)



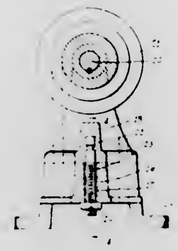
1. The combination with a glass rack, of a member of U-shape adapted to engage glass upon both sides of the rack simultaneously and a cam mechanism to support the member whereby it may be raised and rotated to an inoperative position in one operation.

2,005,100
TILTABLE TABLE TOP
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif., a corporation of California
Application August 27, 1934, Serial No. 741,641
10 Claims. (Cl. 311—38)



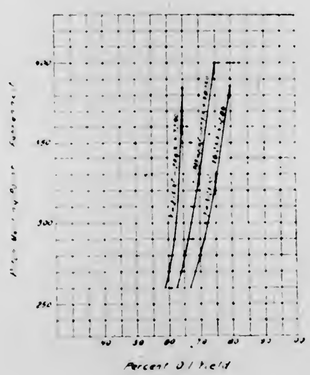
3. A tilting table top construction comprising a support, a table top movable for inclination thereon, arcuate trunnions rigidly carried by the table top, bearings for the trunnions on the support, stationary means adjacent one bearing engageable by the side of its trunnion, and movable means adjacent the other bearing engageable with the side of its trunnion to bodily shift the table top and trunnions to cause the stationary means to be engaged and the table top to be held in adjusted position.

2,005,101
LATHE
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Co., Ltd., Los Angeles, Calif., a corporation of California
Application September 26, 1934, Serial No. 745,593
3 Claims. (Cl. 142—1)



1. A lathe having a bed providing rails, pairs of ears at one end of the bed, a base web connecting the ears, a headstock having a pair of standards one arranged between the ears of each pair, bearings in the standards, a spindle rotatable in the bearings, a pulley on the spindle, a web connecting the standards, and means for fastening the headstock to the base web, both webs being narrower than the pulley.

2,005,102
DISTILLATION OF TAR
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1931, Serial No. 539,019
8 Claims. (Cl. 196—149)



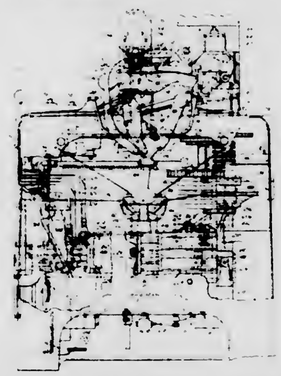
1. Clean coal tar oils comprising oil condensed directly from coal distillation gases and a distillate oil, the distillate oil being obtainable by the distillation of a total coal tar to pitch with a melting point of at least 260° F. by a process according to which y equals between $.3125x^2-36.25x+1286$ and $2.15x^2-246x+7290$ where $y=$ pitch melting point and $x=$oil yield, the upper limit of the boiling range of the oils condensed directly from the gases and the oils distilled from the tar being the same.

2,005,103
MOTOR VEHICLE
Alfred Moorhouse, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 6, 1930, Serial No. 493,735
11 Claims. (Cl. 296—35)



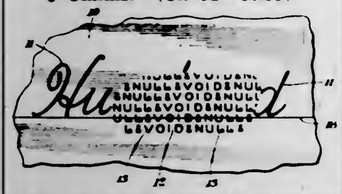
1. In a device for resiliently engaging one body with reference to another, a cylinder on one body, a supporting member engaged with the other body telescopically associated with the cylinder, and a cylindrical vibration-absorbing unit removably engaged in the cylinder and having screw-threaded engagement with the supporting member, the adjustment of said member regulating the vertical position of the supported body relative to the other body.

2,005,104
MACHINE FOR OPERATING UPON SHOES
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 27, 1934, Serial No. 708,669
22 Claims. (Cl. 12—17)



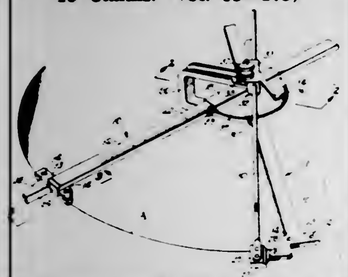
1. A machine for operating upon shoes having, in combination, means for operating upon the bottom margin of a shoe, a shoe supporting jack, means for feeding the jack to transfer the point of operation about the shoe, a feeler mechanism arranged to engage a marginal contour surface fixed with relation to the shoe, devices controlled by said feeler mechanism for imparting rotating movements to the jack to maintain the shoe margin substantially normal to said operating means at the point of contact, a feeler mechanism engaging the surface of the shoe sole, and devices controlled by said latter feeler mechanism for imparting longitudinal tipping movements to the jack to maintain the surface of the shoe sole at the point of contact with said operating means substantially normal to said operating means in the direction of feed.

2,005,105
SAFETY PAPER
John Wallace Neff, New Rochelle, N. Y., assignor to Milton C. Johnson Company, New York, N. Y., a corporation of New York
Application June 23, 1930, Serial No. 463,365
Renewed April 18, 1933
6 Claims. (Cl. 91—67.95)



1. A safety paper carrying cobalt ferro-cyanide.

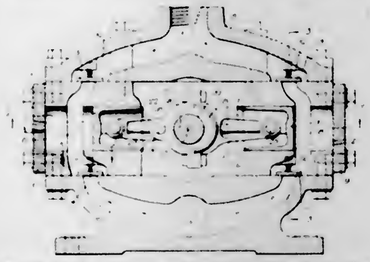
2,005,106
SHOP INSTRUMENT
Henry Ferdinand Peterson, Rockford, Ill.
Application May 11, 1934, Serial No. 725,048
13 Claims. (Cl. 33—178)



1. An instrument of the character described comprising, in combination, a pair of elongated arms, means for supporting said arms for pivotal adjustment about a common axis and also for longitudinal adjustment transversely of said axis, each arm having a transversely extending portion at its free end providing two contact points spaced apart a substantial distance transversely of the arm and adapted to be placed in contact with an arcuate surface, the points on each arm defining a chord of said surface which is bisected by a perpendicular line extending through said axis, and straight edges on said arms disposed outwardly from said contact points and acting in all positions of the arms to define radii through said axis and perpendicular to said chords.

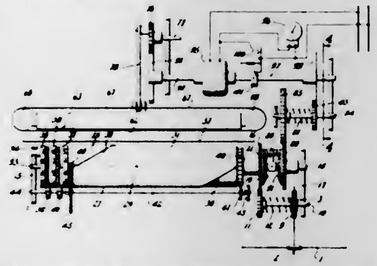
2,005,107
PUMP PISTON LUBRICATION CONSTRUCTION
Irving M. Phillips and Paul W. Kalinsey, Chicago, Ill., assignors to Continental Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1932, Serial No. 625,312
6 Claims. (Cl. 103—171)

1. In a double-acting pump, the combination of a one-piece solid cylinder block having a flat top and a flat bottom and formed with a middle clearance chamber open at the top and bottom thereof, and with flow chambers open at top and bottom in the end portions of said cylinder block, whereby the middle and end chambers are all of the same height, and having axially aligned horizontal bores connecting said middle chamber with said flow chambers, midway between the flat top and bottom surfaces of the block, with the outer ends of said bores in vertical planes, plungers in said bores, mechanism in said clearance chamber for operating said plungers, accessible through the top of said clearance chamber, a fluid intake base secured flatwise to the bottom of said cylinder block, closing the bottom of said clearance space, a fluid outlet cap secured flatwise to the top of said cylinder block, closing the top of said clearance space, an inlet valve for the bottom of each flow chamber, an outlet valve for the top of each flow chamber, said valves being disposed horizontally in said vertical planes, and means for actuating said mechanism, the



stroke of each plunger stopping short of the adjacent flow chamber, comprising similar bores and plungers in said cylinder block, parallel with and in the same horizontal plane as said first-mentioned bores and plungers, with said clearance chamber common to all plungers, but with similar separate flow chambers and valves for said last-mentioned bores and plungers, and mechanism in said clearance chamber to actuate said last-mentioned plungers, one pair of plungers operating in one direction while the other pair is operating in the opposite direction.

2,005,108
RECORDING METER
Riccard Pudelko, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a corporation of Switzerland
Application August 19, 1931, Serial No. 558,066
In Switzerland September 2, 1930
2 Claims. (Cl. 234—1)

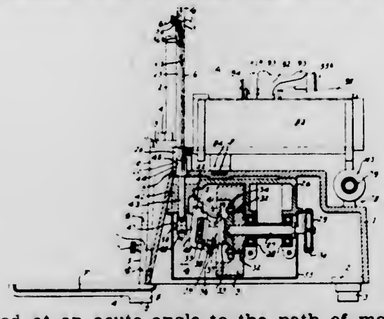


1. An energy flow measuring instrument including in combination a meter, means driven by the meter proportional to the energy flow, and devices, including a coacting platen, for making both a graphic and numerical record at the end of a predetermined time period.

2,005,109
SLICING MACHINE
Carl S. Reed and Adolph Rubin, St. Louis, Mo., assignors to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Delaware
Application November 26, 1930, Serial No. 498,286
20 Claims. (Cl. 146—158)

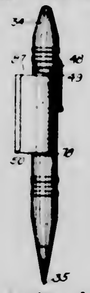
1. A slicing machine comprising a cutting element, means for supporting said cutting element

for straight line movement, said supporting means enclosing the cutting element transversely except for the cutting edge only thereof which extends outwardly beyond the supporting means, means for subjecting said cutting element to reciprocatory movement, said cutting element being provided with a cutting edge which is in-



clined at an acute angle to the path of movement of material being fed thereto to be sliced, and a gauge plate for regulating the thickness of slices cut by the slicing machine, said gauge plate being arranged in a vertical plane which is disposed at a slight angle with respect to the vertical plane of said cutting element.

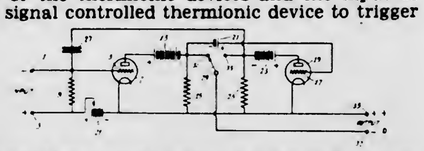
2,005,110
WRITING IMPLEMENT
Robert W. Ritzert, Dayton, Ohio, assignor to Rolin Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 6, 1932, Serial No. 584,955
8 Claims. (Cl. 281—5)



3. A paper roll carrying device including two barrels one within the other and rotatable relatively to each other in opposite directions, each barrel having an opening to permit side loading of a pre-wound paper roll, the openings being so arranged that the roll is normally concealed, relative rotation of said barrels in certain directions allowing the free end of the paper to project out of the openings, relative rotation of the barrels in reverse direction or directions retracting the projected end of the paper to a position fully concealed.

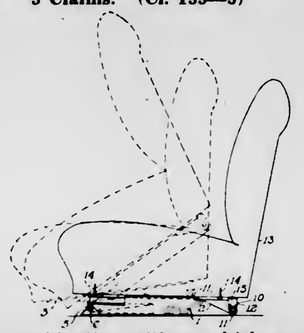
2,005,111
AMPLIFIER
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 9, 1931, Serial No. 528,796
10 Claims. (Cl. 178—70)

1. An electronic relay system comprising a plurality of independent thermionic devices, means to supply signals to one of the thermionic devices, and means connected with the output circuit of one of the thermionic devices and the input of the signal controlled thermionic device to trigger



the signal controlled thermionic element to produce from the relay system a constant amplitude and wave shape output irrespective of the wave shape and amplitude of the supplied energy.

2,005,112
VEHICLE SEAT
Le Roy Smelker, Dayton, Ohio, assignor to The Dayton Accessories Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application September 20, 1934, Serial No. 744,805
5 Claims. (Cl. 155—5)



1. The combination with a vehicle seat, of a rail adapted to rest on the floor of the vehicle and having a downwardly inclined rear end, a track member pivotally secured to the front end of the rail, a carriage member secured to the bottom of said seat and longitudinally slidable over the track member, and roller means carried by the rear end of the carriage member for rolling contact with the inclined rear end of the rail to raise the rear end of the seat while it is being shifted forwardly by the occupant.

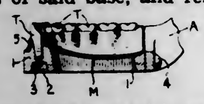
2,005,113
PRODUCT FOR TREATING BITUMENS
Orvall Smiley, Indianapolis, Ind.
No Drawing. Application March 30, 1933, Serial No. 663,651
1 Claim. (Cl. 134—1)

A preparative unemulsified product to be added to bitumens to set up a change therein to render the bitumens suitable for roadways, said product consisting of substantially 15 parts higher aliphatic fatty acids, 15 parts soap, and 120 parts of beta tetrahydronaphthalene, and forming a stable product giving uniform results regardless of storage periods when applied to said bitumens, said tetrahydronaphthalene, in the presence of said acid and soap, operating to cause said change.

2,005,114
DENTAL MODEL
Benjamin L. Spitzer and Andrew Benko, New York, N. Y.
Application April 26, 1933, Serial No. 668,041
1 Claim. (Cl. 32—71)

A dental model comprising a base having a groove at its underside and having a gum-simulating portion, said portion of the base having a

separable mask of similar contour, said mask extending over the top edge of the base and being made of yieldable and resilient rubber, said base having sockets therein, said mask having openings through which teeth individually pass to enter the openings of said base, and releaseable con-



necting means partly located in said groove and connecting said teeth to said base, said mask being separate from said base and being readily removable therefrom, and means connecting said portion of the base to the superposed portion of said mask.

2,005,115

GOLF BALL WASHER AND DRIER

John C. Stutz, Kansas City, Mo.

Application May 1, 1933, Serial No. 668,764

3 Claims. (Cl. 15—21)



1. In a golf ball washer and cleaner, a bottom and two flanking cleaners of cylindrical form disposed in parallelism to form a ball-receiving channel, a rotary spiral conveyor above the bottom cleaner and depending into said channel and in close relation to the flanking cleaners to inhibit lateral passage of a ball between either of the last-named cleaners and the conveyor from the channel, one of the flanking cleaners having a peripheral pocket to receive a ball at and while engaged by the front end of the groove of the conveyor, and cooperate with the latter in carrying the ball to and ejecting it from the pocket into the channel without disengaging it from the groove of the conveyor.

2,005,116

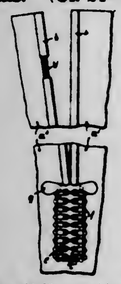
FASTENER WITH SLIDING ATTACHMENT FOR GARMENTS, BAGS, AND THE LIKE

Johannes Franne, Liestal, near Basel, Switzerland

Application August 12, 1932, Serial No. 628,512

In Germany November 28, 1929

5 Claims. (Cl. 24—207)



1. Fastener with sliding attachment members comprising in combination a pair of flaps having ribs on their adjacent edges to be releasably connected to each other, said ribs being elastical in thickness along the said edges, fastening attachment members slidable on said ribs, the diameter of said members being somewhat smaller than that of the two ribs, to keep the said ribs in elastically close juxtaposition, flexible means for connecting the ends of said sliding members with each other in such a manner, as to keep them parallel to each other at least when closing the fastener, the first of the said sliding members to be moved along the said ribs being used as a handle for opening and closing the fastener.

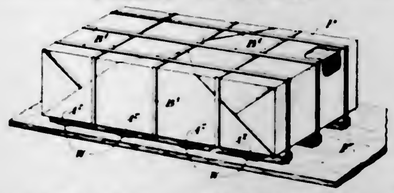
2,005,117

APPARATUS FOR SHIPPING METAL

William C. Tamplin, Pittsburgh, Pa., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application September 21, 1933, Serial No. 690,485

2 Claims. (Cl. 206—60)



1. A pack of metal sheets arranged for transport comprising a plurality of assembled prime sheets arranged one on top of the other, a non-metallic water-proof wrapping enclosing said assembled sheets, transverse means for securing said assembled and wrapped sheets together as a unit, spaced wooden supporting elements disposed longitudinally under said unit, spaced wooden supporting elements disposed between said unit and said longitudinally disposed supporting elements and arranged transversely with respect to the latter, separate metal spacing elements arranged at spaced intervals along the length of said transversely disposed supporting elements, each of said metal spacing elements being disposed wholly below said unit of assembled and wrapped sheets and contiguous thereto, and means extending along said longitudinally disposed supporting elements for securing the same to said unit of assembled and wrapped sheets.

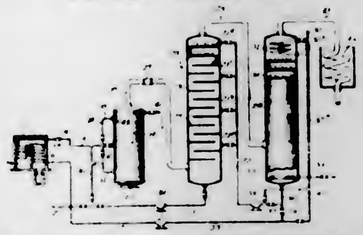
2,005,118

CONVERSION PROCESS

Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Whiting, Ind., a corporation of Indiana

Application February 14, 1930, Serial No. 428,398

5 Claims. (Cl. 196—48)



1. The method of converting relatively high boiling hydrocarbon oils into lower boiling products such as gasoline which comprises heating in a confined stream a substantially completely vaporizable hydrocarbon oil charging stock consisting substantially entirely of a petroleum distillate to substantially completely vaporize the oil and bring the vapors to a high cracking temperature of at least 900° F., passing the stream of heated oil vapors into an enlarged chamber wherein they undergo substantial cracking in the vapor phase by their contained heat, removing in a stream the cracked vapors from said chamber and passing the stream of vapors directly to and through a scrubbing tower, continuously introducing into said tower a small proportion of the said vaporizable charging distillate stock supplied to the cracking operation and intimately contacting the said vapors flowing through said tower only with said completely vaporizable distillate charging stock which is added in a volume just sufficient to scrub from the said cracked vapors substantially only entrained heavy and tarry products of cracking, passing only liquid products comprising said heavy tarry products from said tower into said enlarged chamber while excluding from said chamber heavy residual stocks from external sources, and intimately contacting them with the aforesaid stream of highly heated oil vapors entering the said enlarged chamber, retaining the said heavy products in said chamber at a cracking temperature until they are substantially completely converted to solid residuum, separately withdrawing the scrubbed vapors from said scrubbing tower and passing them directly to a fractionating operation wherein undesired higher boiling constituents thereof are separated in the form of reflux condensate, and separately removing and collecting the fractionated vapors.

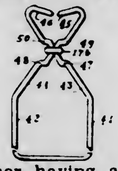
2,005,119

TAG-FASTENER AND GUIDE THEREFOR

Samuel Weiss, Brooklyn, N. Y.

Application December 12, 1934, Serial No. 757,081

7 Claims. (Cl. 40—24)



1. A tag fastener having a pair of initially stressed prongs, suitably inclined branches on said prongs disposed to cross each other at a variable point through a desired range of variation of the latter, said branches terminating in pointed engaging members which are disposed to grip with their pointed ends a portion of a garment placed therebetween, and a control member of suitable shape and size automatically slidably encompassing the said branches at said point, whereby, in cooperation with parts on said branches disposed to intercept said control member, to limit the said range of variation, thereby also limiting to a desired extent the range of deflection of said prongs in a direction substantially parallel to the plane of said fastener.

2,005,120

METHOD OF RECOVERING SALTS AND OTHER COMPOUNDS

Joshua C. Whetzel and Rufus E. Zimmerman, Pittsburgh, Pa., assignors to American Sheet and Tin Plate Company, a corporation of New Jersey

No Drawing. Application February 3, 1932, Serial No. 590,708

3 Claims. (Cl. 23—126)

1. The method of recovering iron salts from iron sulfate solutions which consists in providing said solutions with a small amount of free acid, heating said solutions above about 140° F. and then filtering the heated solutions while substantially maintaining their heat to recover ferrous sulfate monohydrate ($FeSO_4H_2O$).

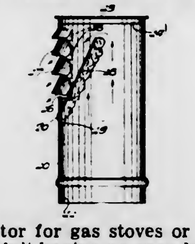
2,005,121

DEFLECTOR FOR GAS STOVES, OR THE LIKE

John Wilder, Niles, Ohio, assignor to Wilder Metal Company, Niles, Ohio, a corporation of Delaware

Application January 27, 1934, Serial No. 708,671

3 Claims. (Cl. 126—299)



1. A deflector for gas stoves or the like, comprising a conduit having an open lower end forming a free inlet adapted for attachment to the flue outlet of an oven and closed at its upper end and having an outlet opening in the wall thereof in proximity to its closed upper end, an imperforate deflecting plate within said conduit and disposed at an angle to the conduit wall and having its lower end in contact with and secured to the conduit wall between said outlet opening and open lower end and its other end spaced from said closed upper end and the conduit wall having said outlet opening and its side edges in contact with the inner wall of said conduit contiguous to said outlet opening, whereby a substantially inverted U-shaped unobstructed passage is formed solely within said conduit and extending from said open lower end to said outlet opening.

2,005,122

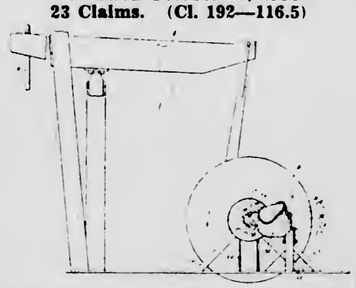
POWER TRANSMISSION UNIT

Forrest Joseph Young, Los Angeles, and Spencer William Long, Redondo Beach, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware

Application April 25, 1932, Serial No. 607,376

Renewed October 15, 1934

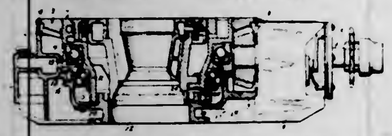
23 Claims. (Cl. 192—116.5)



1. In a well pumping device, the combination of a pump driving member, means for actuating the pump driving member, means for yieldably supporting the driving means so that as the torque set up by the pump driving member in-

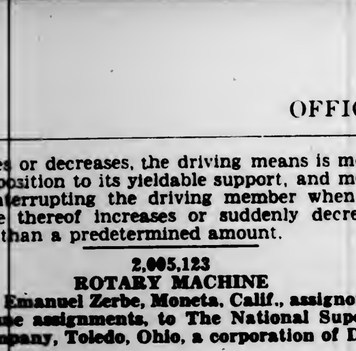
creases or decreases, the driving means is moved in opposition to its yieldable support, and means for interrupting the driving member when the torque thereof increases or suddenly decreases more than a predetermined amount.

2,005,123
ROTARY MACHINE
Lewis Emanuel Zerbe, Moneta, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application December 19, 1933, Serial No. 703,074
11 Claims. (Cl. 308—230)



1. In a rotary machine, the combination of a base having a vertically extending opening therein, a rotary member mounted in the opening, a supporting bearing between said rotary member and base for rotatably supporting said rotary member, an adjustable upthrust ring threaded to said rotary member, said ring having longitudinal slots through the lower portion of the threaded length, circumferential slots in said ring communicating with the longitudinal slots, and means to circumferentially clamp the adjacent slotted portions of the ring together to bind the ring on the threaded portion of the rotary member.

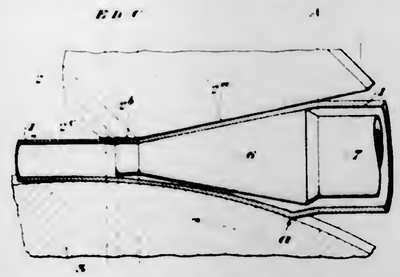
2,005,124
AUTOMATIC FEED CONTROL FOR FOLDING AND OTHER MACHINES
Gustaf E. Anderson, Brockton, Mass.
Application February 3, 1930, Serial No. 425,375
Renewed November 8, 1932
28 Claims. (Cl. 271—2.5)



1. In a machine of the class described, the combination with means for feeding the work in a step-by-step manner comprising a feed shaft, a feed-bar carried on one end of said shaft and means for rocking said shaft, of means for automatically varying the length of said feeding movement in accordance with the variation in speed of the machine.

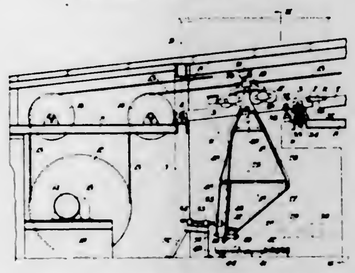
2,005,125
APPARATUS FOR SINKING TUBULAR WORK PIECES
Bryant Bannister, Mount Lebanon, Pa.
Application March 14, 1933, Serial No. 660,718
1 Claim. (Cl. 80—13)

Apparatus for sinking tubular work pieces comprising two metal working rolls and a mandrel defining a pass, said rolls and mandrel being constructed and arranged to provide a reducing pass having a convergent portion co-extensive with the major part of the length of said rolls, a substantially short reeling portion, and a divergent



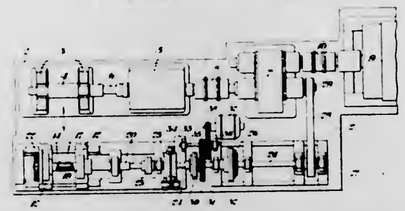
portion, in combination with a power-actuated guide roll for guiding and assisting the work piece through the outlet end of the pass, said guide roll having its contact surface nearest the axis of the workpiece positioned adjacent said reeling portion.

2,005,126
AERIAL TRAMWAY
Claire C. Beatty and Elmer J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 21, 1934, Serial No. 726,782
1 Claim. (Cl. 214—41)



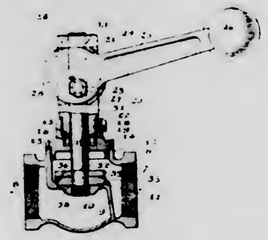
A conveyer comprising two conveyer tracks, a tramway cable adjacent said tracks, a carriage mounted on each of said tracks and secured to said cable, a carrier suspended from each of said carriages, said carriers having discharge doors and fastening means therefor, a bin disposed adjacent said tracks, a discharge chute for said bin, a conveyer in said discharge chute, means for driving said conveyer, means for driving said tramway cable in either direction, means for controlling the movement of said cable, spring-mounted track sections adjacent the discharge chute of said bin, means associated with said spring-mounted track sections for actuating the means for controlling the movement of said cable, means adjacent said track sections for insuring the operation of the fastening means for the discharge door of said carriers, means for discontinuing the operation of said conveyer if said door fastening means fails to operate, said last named means comprising a pivoted platform beneath said spring-mounted track sections, a spillage pan on said platform, and a switch operated by the depression of said platform for disconnecting said conveyer driving means.

2,005,127
METAL PROCESSING MACHINE
Herbert G. R. Bennett, Duquesne, Pa.
Application December 29, 1933, Serial No. 704,573
3 Claims. (Cl. 164—66)



3. A metal processing machine, driving means for said machine, a magnetic clutch operatively associated with said driving means, a magnetic brake for said driving means, a second magnetic clutch operatively associated with said driving means, a flag switch disposed in the path of the work-piece to be processed for initiating the operation of said driving means, a limit switch for discontinuing the operation of said driving means and to initiate the operation of said second magnetic clutch, and means operatively associated with said last named magnetic clutch for restoring said metal processing machine to a determined position in its operating cycle.

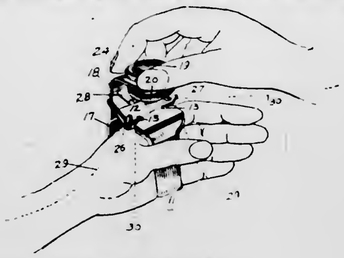
2,005,128
VALVE
George S. Bowes, Cleveland, Ohio
Application September 4, 1931, Serial No. 561,231
6 Claims. (Cl. 251—40)



2. In a valve, a valve casing having an inlet and an outlet with a valve seat interposed between the same, a valve head cooperating with said seat, a valve stem connected to said head, shelves fixed in position relatively to said casing, a ring slidably engaging the shelves and normally held in fixed position, a cam rotating in the ring, a bolt pivotally and eccentrically connecting the cam to said stem, and a handle for operating said cam, said handle being weighted for holding the valve head in open or closed position.

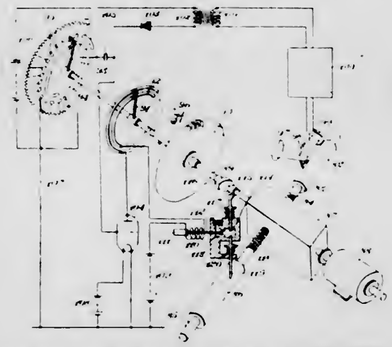
2,005,129
APPARATUS FOR SPLICING YARN
Raymond H. Chase, Providence, R. I., assignor to William Wallace Potter, Pawtucket, R. I.
Application June 12, 1931, Serial No. 544,015
4 Claims. (Cl. 117—6)

1. A twister device having means for severing the ends of adjacent threads to provide a lap of predetermined length, means to apply adhesive to said threads and means for intertwining the



fibers of said threads in a splice.

2,005,130
ELECTRICAL CIRCUIT AND APPARATUS
John Willey Dalton, Wimbledon, London, England
Application July 19, 1932, Serial No. 623,426
In Great Britain July 28, 1931
1 Claim. (Cl. 178—5)



The method of producing a representation of an original subject which comprises moving the original subject relative to scanning means, moving a surface upon which the representation of the original subject is to be formed at a corresponding rate relative to reproducing means, and during such movement effecting in each of a plurality of successively recurring regularly spaced intervals of time the following operations:—applying to the grid of a gaseous discharge tube for a period of time which is constant for each of the intervals a decreasing negative voltage the rate of decrease of which is the same for each of the intervals, projecting light on to a small area of the original subject in a scanning operation during a fraction only of the said period, applying to the grid of the tube during the said fraction of the period a further voltage which is stored on the grid and is proportionate with the tone value of the light transmitted through or reflected from the small area as a result of the scanning operation, thereby causing the voltage on the grid to reach a value permitting the flow of plate current only after the lapse of a fraction of the time interval which is proportionate with the tone value of the small area, causing the reproducing means to operate upon the surface upon which the representation is to be formed by current flowing from the plate of the tube from the instant at which the grid voltage reaches the said predetermined value to the end of the interval, and at the end of the

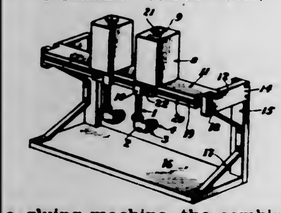
interval interrupting the flow of current from the plate of the tube, thereby interrupting the operation of the reproducing means.

2,005,131
FOLDING BOX
Robert E. De Luce, Chattanooga, Tenn., assignor to Star Box & Printing Co., Chattanooga, Tenn.
Application November 17, 1934, Serial No. 753,531
4 Claims. (Cl. 229—34)



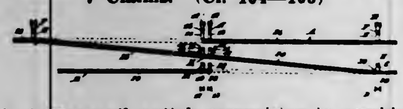
1. In a folding box of the type described, the combination of a body portion, opposite ends having scores disposed between the ends and the body, and extensions on each of the ends having scores disposed between said ends and end extensions, each of the end extensions having indentations, sides having scores disposed between the sides and body of the blank and tabs at opposite ends of the respective sides and having scores disposed between said tabs and said sides, said tabs being adapted to receive an adhesive and being of suitable shape for insertion between the end extensions and end portions of the box when the latter are folded over in position for assembling and being of suitable size and shape to effect a wiping contact of the portions carrying the adhesive with the indentations of the end extensions.

2,005,132
GLUING MACHINE
Robert E. De Luce, Chattanooga, Tenn., assignor to Star Box & Printing Co., Chattanooga, Tenn.
Application November 19, 1934, Serial No. 753,743
8 Claims. (Cl. 91—67.1)



1. In a gluing machine, the combination of a frame, bars pivotally mounted on the frame, a plurality of cans adjustably mounted on the bars, spouts on the cans, horizontally disposed nipples on said spouts, apertured caps on the nipples, and screens contained within the caps.

2,005,133
MONORAIL SWITCH
De Clermont Dunlap, Newark, N. J.
Application November 4, 1933, Serial No. 696,612
7 Claims. (Cl. 104—103)



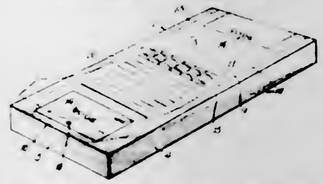
1. A monorail switch comprising in combination, a pair of monorail tracks, a hinged section in each of said tracks, said hinged section being mounted to swing into alignment with each other, and a track section arranged to extend between contiguous ends of said hinged sections when the latter are aligned.

2,005,134
SUPPORT FOR FLEXIBLE POSTERS
Jay Noble Emley, Forest Hills, N. Y., assignor to National Process Company, Inc., New York, N. Y.
Application January 22, 1934, Serial No. 707,706
9 Claims. (Cl. 40—125)



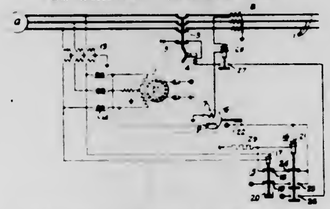
4. A supporting device for posters of the class described comprising a coupling plate, one side edge of which is curled to form a cylindrical socket and the other side edge having a curled cylindrical socket disposed angularly with respect to the first named socket, rods detachably coupled with the sockets of said plate, one of said rods having end portions projecting from both ends of the plate and adapted to engage the poster to support the same in extended position, the rod attached to the other socket extending from one end of the plate only and adapted to form a supporting leg for said poster, and said plate being adjustable longitudinally of the first named rod to raise and lower the second named rod with respect to a support to vary the inclination of the poster on said support.

2,005,135
CARTON FOR RUBBER HEELS AND THE LIKE
Albert A. Esterson, Baltimore, Md., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md., a corporation of Maryland
Application April 5, 1934, Serial No. 719,213
3 Claims. (Cl. 206—46)



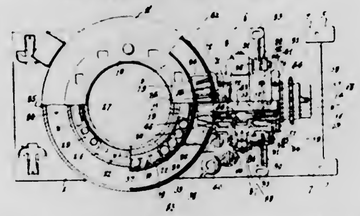
1. A job-identifying repair package containing a shoe repair element or elements, said element or elements being housed and retained within and by the walls of the package, one of said walls having a portion thereof circumscribed or partially circumscribed by a means indicating and setting off said portion as a detachable job identifying check, the configuration and location of the indicating means being such that the removal of the check does not destroy the capability of the aforesaid package to retain its contents, said detachable check bearing corresponding indicia of an identifying character and being separable between the said indicia into two sections, whereby one of said sections may be retained by the dealer together with the repair elements confined within the remaining portion of the package, and the other of said sections may be retained by the customer for subsequent presentation and identification of the job.

2,005,136
RELAYING SYSTEM WITH DIRECTIONAL INDICATION STORAGE
Robert D. Evans, Swissvale, and William A. Lewis, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,605
32 Claims. (Cl. 175—294)



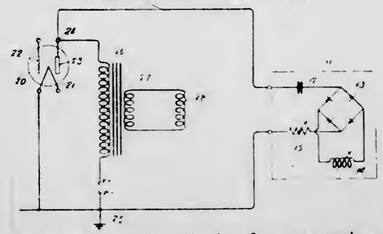
1. A protective relaying system for responding to faults on an electric power line, comprising a first fault-responsive relay element, a second fault-responsive relay element, said two elements responding to different electrical conditions, the second element being relatively slower in its response to fault conditions, an auxiliary relay, means for causing said auxiliary relay to be energized when the first element is actuated in response to fault conditions, means for preventing said energization if the auxiliary relay remains unenergized and the second element is actuated in response to fault conditions, and holding-circuit means for supplementarily energizing said auxiliary relay when the second element is actuated if the auxiliary relay is in actuated condition at that moment.

2,005,137
ROTARY MACHINE
David S. Faulkner, Los Angeles, Allen Erwin Rice, Hermosa Beach, and Lewis E. Zerbe, Moneta, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application December 26, 1930, Serial No. 504,758
66 Claims. (Cl. 255—23)



26. In a rotary machine, the combination of a base having a vertical opening therein, a table mounted in the vertical opening from the top thereof, a supporting bearing carried by the base for rotatably supporting said table, a closure ring secured to said table, said closure ring having a curved annular mud flange interposed between the base and the table near the lower end of said table to protect said supporting bearing from foreign matter.

2,005,138
ELECTRIC METERING DEVICE
Floyd Fausett, Greenwood, Miss., assignor to Supreme Instruments Corporation, Greenwood, Miss.
Application February 5, 1932, Serial No. 591,201
2 Claims. (Cl. 250—20)



1. In a radio testing device for measuring the audio frequency energy in an output circuit of a radio broadcast receiving set, a meter of high sensitivity, a rectifier for the energy measured by said meter, detachable conductors for externally connecting said rectifier and meter across said output circuit of a receiving set, and a capacitance element disposed in said conductors to segregate the audible components of the output energy.

2,005,139
COMBINED EXPANSION AND CONTRACTION JOINT
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application May 9, 1927, Serial No. 190,087
26 Claims. (Cl. 94—18)

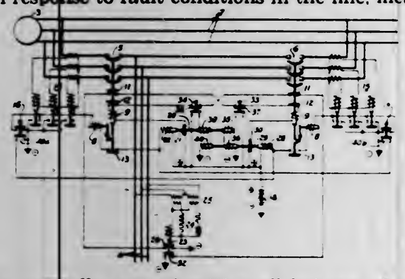


8. An expansion joint having its opposed sides formed of yieldable, non-metallic waterproofing material, said material having surface pockets formed therein and formed particularly adjacent to the top of the joint, said upper pockets carrying a mass of waterproofing material adapted to flow when the joint is subjected to pressure, whereby to seal the crevice above the joint.

2,005,140
MEANS FOR OBTAINING SERVICE CONTINUITY BY HIGH SPEED RECLOSING
Samuel B. Griscom, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1933, Serial No. 670,485
20 Claims. (Cl. 175—294)

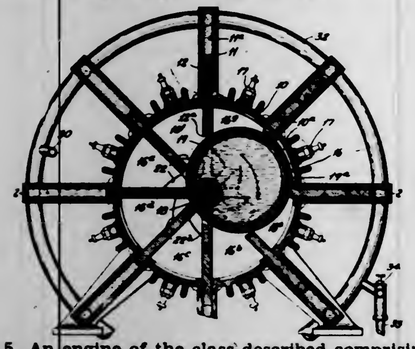
1. Relaying and switching means for the protection of a transmission line of a type subject to self-clearing arcing faults which clear themselves on the removal of an arc-sustaining voltage therefrom, said means comprising a plurality of energizing paths in parallel with each

other and in series with the line, one side of said parallel energizing paths being bussed together and the other side being connected to an end of the line, circuit-interrupting means in each energizing path, fault-responsive means for actuating the respective circuit-interrupting means in response to fault conditions in the line, means



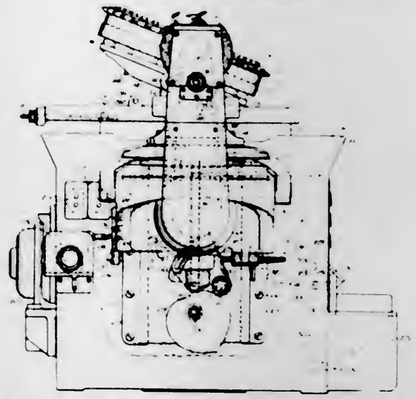
for normally open-circuiting all but one of said parallel energizing paths, and means responsive to the actuation of the circuit-interrupting means in one of said parallel energizing paths for close-circuiting another one of said parallel energizing paths, the connections of the parallel-connected energizing-paths being such that the line suffers no voltage-reversal in making the change from one energizing-path to another.

2,005,141
INTERNAL COMBUSTION ENGINE
Erwin Charles Gutswiller, North Plainfield, N. J., assignor of one-half to Ivan J. Amo, North Plainfield, N. J.
Application January 16, 1933, Serial No. 651,929
20 Claims. (Cl. 123—14)



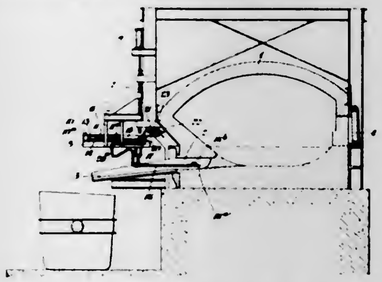
5. An engine of the class described comprising a cylinder casing, an eccentric rotor in said casing, a plurality of abutments spaced circumferentially of the casing and dividing the same into a plurality of cylinders, common fluid pressure means holding all of the abutments in constant engagement with the periphery of the rotor and permitting outward radial movement of the abutments by the rotor, a driven shaft centrally of the casing and actuated by said rotor, means controlled by the rotor whereby explosive mixtures may be introduced into the respective cylinders and the burnt gases exhausted therefrom whereby said rotor will be driven by the explosive charge of the successive cylinders to provide a substantially constant drive of the rotor, said rotor comprising a ring, and side plates engaging the side walls of the casing and being freely rotatable in the ring to prevent direct axial rotation of the ring with said rotor.

2,005,142
CUTTER SHARPENER
Maxwell H. Hill, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application December 8, 1932, Serial No. 646,270
6 Claims. (Cl. 51—225)



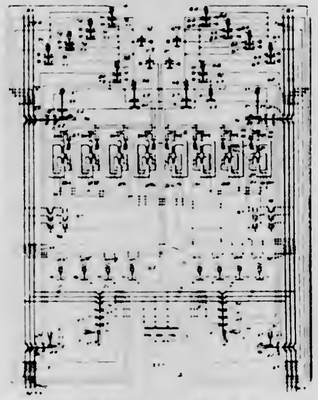
1. In a machine for sharpening cutters, a frame, a tool support reciprocable vertically on the frame, a carrier adjustable angularly on said tool support, a tool head adjustable rectilinearly on said carrier in a direction at right angles to the axis about which said carrier is adjustable, a grinding wheel journaled in said tool head, a carriage adjustable rectilinearly in a horizontal plane on the frame, a work support adjustable angularly on said carriage about a horizontal axis, a work arbor rotatably mounted on said work support and adapted to carry the cutter to be sharpened, means for reciprocating said tool support through a distance long enough to pass the grinding wheel across the face of a blade of the cutter and then clear the cutter, and means for rotatably indexing the work arbor when the grinding wheel is clear of the cutter.

2,005,143
TAPPING FURNACE
William C. Hogg, Pittsburgh, Pa.
Application October 5, 1933, Serial No. 692,342
6 Claims. (Cl. 266—42)



3. A furnace tapping machine including the combination of a pipe having a forwardly directed outlet, means for mounting said pipe adjacent a furnace's tapping-hole for longitudinal reciprocation theretowards, and means for supplying said pipe with compressed fluid and simultaneously moving it towards said tapping-hole and for stopping this supply and simultaneously moving said pipe away from said tapping-hole.

2,005,144
RELAYING SYSTEM
Edward H. Klemmer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,609
15 Claims. (Cl. 175—294)



1. Protective relaying means for a transmission line, said line comprising at least two line-sections capable of being operated in parallel between two stations, a bus at each of said stations for connecting said line-sections together, at least one bus circuit-interrupter for at least one of said busses interposed in said bus between the two line-sections whereby said bus may be split into two bus-sections, and a line circuit-interrupter for each end of each of said line-sections; said protective relaying means comprising fault-responsive directional relaying equipment for controlling each of said line circuit-interrupters, and bus differential relaying equipment for controlling the circuit-interrupters connected to each of said bus-sections in the event of a bus fault; said bus differential relaying equipment comprising means for quickly actuating the affected bus circuit-interrupter to open the same, time-hesitation means for less quickly actuating the affected line circuit-interrupter to open the same in such manner that the bus circuit-interrupter will cease carrying current first, and means for preventing some of the fault-responsive directional relaying equipment for the line-section connected to the unfaulted bus-section at the same station from operating falsely during the interval between the current-interruptions in the bus circuit-interrupter and the line circuit-interrupter which are controlled by said bus differential relaying equipment.

2,005,145
PARTITION WALL ASSEMBLY
Guy F. Kotrbaty, Laurelton, N. Y., assignor to Fer-O-Con Corporation, New York, N. Y., a corporation of Delaware
Refiled for abandoned application Serial No. 473,249, August 5, 1930. This application December 9, 1933, Serial No. 701,709
1 Claim. (Cl. 72—115)

An improved wall construction assembly including abutted wall members severally comprising, in combination, parallel panel sections forming wall surfaces, end sections supporting and spacing the said panel sections, said end sections including locking means adapted to engage and coact with means in abutted like members whereby to lock abutted units together, the



said locking means comprising a short guiding tongue projecting from an end section and adjacent a slot therein, the second abutted building member having a locking tongue passing through the said slot and engaged by the said guiding tongue.

2,005,146
SELF-SUPPORTING BUILDING MEMBER AND JOINT THEREFOR
Guy F. Kotrbaty, New York, N. Y., assignor to Fer-O-Con Corporation, New York, N. Y., a corporation of Delaware
Refiled for abandoned application, Serial No. 472,832, August 4, 1930. This application December 9, 1933, Serial No. 701,710
7 Claims. (Cl. 72—115)

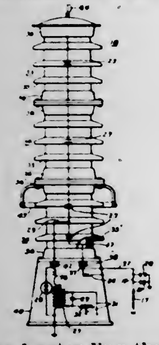


1. An improved building construction including a plurality of juxtaposed units, said units comprising spaced wall sections and end sections joining the wall sections, the end sections being severally provided with tongue-receiving slots, and tongued key members between abutting end sections and in interlocking relation therewith.

2,005,147
COUPLING CAPACITOR SYSTEM
Paul O. Langguth, Irwin, and William A. Lewis, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,608
17 Claims. (Cl. 175—294)

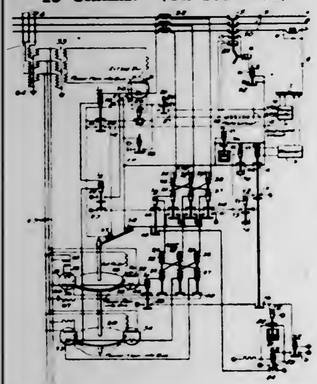
1. A capacitor coupling device comprising a plurality of serially connected capacitor-units, each of said units having an insulating housing with capacitor-means therewithin, and conducting terminals for said housing, means for making an electric-circuit connection from one end of the series to a transmission-line conductor, grounded means for the other end of the series, fastening means for securing the several parts together, the terminals of the capacitor-means within each of the several units being connected

to the respective conducting terminals of the several units, except the end-terminal of the unit at the grounded end, said end-terminal



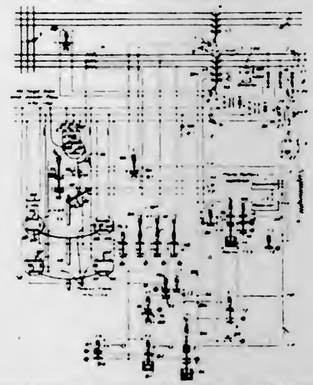
being insulated and extending through the conducting terminal at the grounded end of said unit, and an inductor connected between said end-terminal and ground.

2,005,148
CARRIER CURRENT RELAY
Lester B. Le Vesconte, Irwin, and Edward H. Klemmer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 747,915
15 Claims. (Cl. 175—294)



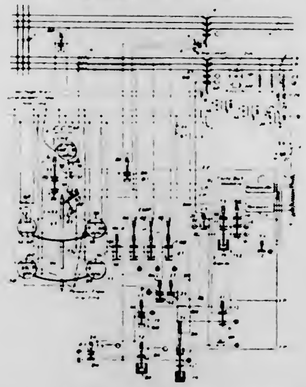
1. Protective equipment for a line-section of a transmission-line system, comprising line-sectionalizing circuit-interrupter means and relaying means at each end of the line-section being protected, and means for providing a communicating channel between the ends of the protected line-section, each of said relaying means including a trip-circuit means for the circuit-interrupter means, a normally inoperative transmitter means capable of transmitting an effective signal to said communicating channel, a normally inoperative receiver relay capable of receiving and responding to said signal, a uniform-time relay, means responsive to the existence of an external fault which is somewhere on the transmission system, but not in the protected line-section, for setting said signal-transmitting means in operation, and for setting said uniform-time relay in operation, and for completing a partial circuit in said trip-circuit means, means responsive to the energization of said receiver relay for interposing a break in the trip-circuit, and means responsive to the operation of said uniform-time relay for removing a break from the trip-circuit.

2,005,149
OUT-OF-STEP PROTECTION
William A. Lewis, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,606
20 Claims. (Cl. 175—294)



1. Protective equipment for a line-section of a polyphase synchronous transmission-line, comprising line-sectionalizing circuit-interrupter means and relaying means therefor at each end of the line-section being protected, each of said relaying means including a directionally responsive quick-acting relaying means for responding selectively to faults and a plurality of different fault-indicating quick-acting relaying means for responding to the presence of different types of faults on the transmission-line, only one of said fault-indicating means being responsive when there is a balanced polyphase fault without ground current, means for providing an intelligence-communicating channel between the two ends of the line-section being protected, auxiliary means associated with said intelligence-communicating channel for selectively cooperating with the directionally responsive means at the two ends of the protected line-section so as to provide a trip-circuit indication of the presence of an internal fault somewhere between the ends of the protected line-section, trip-circuit means, at each end, for quickly actuating the circuit-interrupter means at its end of the protected line-section, said trip-circuit means being responsive to said internal-fault communicating-channel indication and responsive also to an indication of any one of said fault-indicating means, and out-of-step protective means for temporarily preventing an effective trip-circuit indication of the fault-indicating means which responds to said balanced polyphase faults, said out-of-step protective means being responsive to the continuance, for a time, of a response of said fault-indicating means which responds to said balanced polyphase faults, and being also responsive to the non-occurrence, during such time, of a communicating channel signal-indication condition which would establish the presence of an internal fault somewhere between the ends of the protected line-section.

2,005,150
CONTINUOUS CARRIER RELAYING
William A. Lewis, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,607
45 Claims. (Cl. 175—294)



1. Protective relaying equipment for effecting a control of line-sectionalizing circuit-interrupter means for a transmission line-section, comprising, at each end of the line-section being protected, relaying means including means for obtaining both a directional response to a fault-current power-flow into the protected line-section and also a response to a voltage-change which indicates the presence of a fault on the transmission-line under conditions when there is no corresponding current-flow of fault-magnitude, a communicating channel between the two ends of the line-section being protected, a transmitter means disposed at each end of the line-section for normally continuously transmitting a signalling current through said communicating channel to the other end of the line-section, transmitter-controlling means, responsive both to said directional response of the relaying means and the response to a voltage-indication of fault without corresponding fault-current, for causing said transmitter to cease transmitting effective signalling currents, a receiver disposed at each end of the line-section and associated with said communication channel, and receiver-means at each end, responsive to a failure of the receiver to receive a sufficient signalling current from the other end, and responsive also to the direction of power-current-flow into the receiver-end of the line-section being protected, for quickly energizing a control circuit for the circuit-interrupter means at that end.

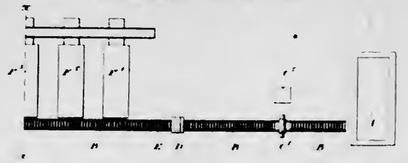
2,005,151
CONTROL OF SWITCHES IN TOTALIZER SYSTEMS
Frederick Limb, Beeston, England, assignor to Ericsson Telephones Limited, London, England
Application December 23, 1930, Serial No. 504,329
In Great Britain January 30, 1930
2 Claims. (Cl. 235—92)

1. A totalizer system comprising a plurality of conductors leading from a transmitting station to receiving apparatus, impulse transmitting contacts whereby a plurality of circuits are closed over certain of the said conductors in combination, each of the said contacts closing one and only one of the said circuits, registering means, controlling means for causing an impulse to be transmitted to the said registering means, and current-operated means having one winding in circuit with the said conductors and another



winding energized in a local circuit whereby the said controlling means are caused to operate when a prearranged number of the said circuits are closed and prevented from so doing if any other number of the said circuits are closed.

2,005,152
APPARATUS FOR MANUFACTURING PLATES AND THE LIKE
James E. Lose, Munhall, Pa.
Application September 21, 1933, Serial No. 690,468
4 Claims. (Cl. 29—17)

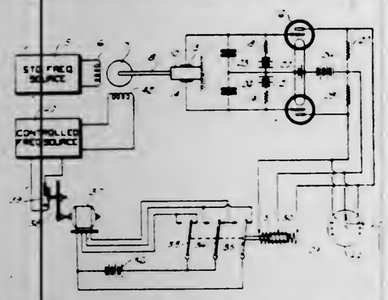


1. A layout for manufacturing plates and the like comprising a 2-high reversing slabbing mill, a slab shear, a tilting table associated with said slab shear, a 3-high plate mill, a tilting table on either side of said 3-high plate mill, a 2-high universal reversing roughing mill, a series of 4-high continuous mill finishing stands, and transfer means between each of said devices.

2,005,153
SYNCHRONIZING SYSTEM
Alvin M. Marks, Brooklyn, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application December 9, 1931, Serial No. 579,943
8 Claims. (Cl. 250—36)

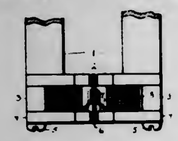
1. In a synchronizing system, a source of current having a definite frequency, means for impressing said current on an inductance device to produce a field, another alternating source of current having its output impressed upon said inductance device to affect said field, said sources having normally the same frequency, means within said field of said inductance device to obtain a turning moment proportional to any shift in the frequency of the currents from said sources, a piezo electric device mechanically connected to said last mentioned means for translating said

turning moment into energy proportional to said turning moment, and means for impressing said



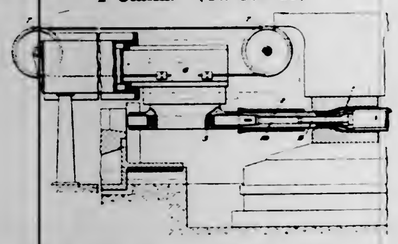
energy on a frequency adjusting circuit of one of said sources.

2,005,154
PHONOGRAPH PICK-UP
Stanley McClatchie, Newark, N. J.
Application June 25, 1931, Serial No. 546,705
In Germany June 28, 1930
10 Claims. (Cl. 179—100.41)



10. A pickup comprising a magnet, pole-pieces, a pickup coil and an armature operatively associated therewith, said armature having a flat portion and a bulging portion forming a needle-holding pocket and being formed of sheet metal.

2,005,155
TUBE EXPANDING MILL
Bolton C. Moise, Pittsburgh, Pa.
Application February 23, 1932, Serial No. 594,621
1 Claim. (Cl. 80—13)

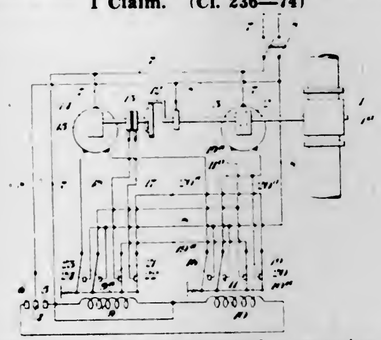


A tube rolling mill including the combination of a set of working rolls constructed and arranged to continuously engage the work during each rolling operation, a mandrel, means for continuously holding said mandrel at a predetermined position between said rolls, a ram for engaging the rear end of said work, means for mounting said ram for continuous movement for a distance at least equaling the length of said work and means for applying continuous force directed towards said mandrel to said ram during the rolling operation of said mill, said mandrel and ram having coacting portions that are constructed and arranged to positively interengage when said ram approaches said mandrel.

2,005,156
DETERMINING COPPER IN COPPER COATED WIRE AND THE LIKE
Walter Frederick Muehlberg, Cleveland, Ohio
No Drawing. Application March 14, 1933, Serial No. 660,777
5 Claims. (Cl. 23—230)

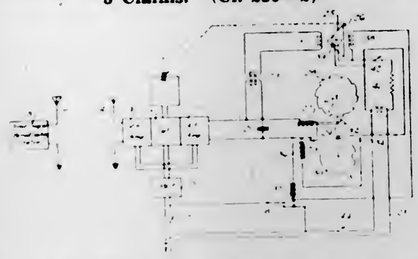
1. The method of determining the amount of copper on thinly coated steel wire which includes immersing the wire in a neutral silver nitrate solution, agitating the solution for approximately thirty seconds, and calculating the amount of the coating from the copper removed by the solution.

2,005,157
CONTROL OPERATING
John T. Nichols, Pittsburgh, Pa.
Application November 14, 1932, Serial No. 642,671
1 Claim. (Cl. 236—74)



The combination of a control, a reversing electric motor driving said control, means for connecting said motor when the extremes of a range of conditions affected by said control are exceeded, and means including cooperative elements respectively moving at the same and reduced speeds as said controller for reversely connecting said motor when disconnected by said first means, said elements being constructed and arranged to disconnect said motor when they are respectively moved to determined mutual positions.

2,005,158
COMBINATION RADIORECEIVER AND TIMEPIECE
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application October 18, 1930, Serial No. 489,571
8 Claims. (Cl. 250—2)



1. In a radio receiver, a power supply therefor, tuning mechanism for said receiver, means for automatically tuning said receiver to a particular station, means for controlling the time

of said tuning, a time keeping mechanism, a loud speaker, and means for utilizing energy received from the output of said receiver for adjusting said time keeping mechanism, a portion of said energy also operating said loud speaker.

2,005,159
PLYWOOD KNOCKDOWN BOX
George H. Osgood, Tacoma, Wash.
Application May 1, 1934, Serial No. 723,337
1 Claim. (Cl. 217—12)



A plywood box comprising six sides, the corresponding edges of each side being complementarily tenoned and mortised together to prevent relative sliding movement; the bottom and four sides being permanently secured together along their contiguous edges in spaced relation to each other by staples spanning the spaces between said parts; each said four sides being provided with two slits extending downward from its top edge and positioned adjacent its upper corners; four spring steel clips, each clip being bent at right-angles at its center and provided with resilient hooked ends, each said clip being adapted to extend around the corner of the box, when assembled and to have its hooked ends slid down the said slits and adapted to grip the inner and outer sides thereof; and means for removably fastening the cover to said four sides.

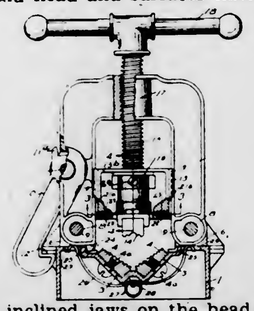
2,005,160
PROCESS OF PRODUCING HIGH-PERCENTAGE TRANSPARENT SOAPS
Wilhelm Pape, Benrath-on-the-Rhine, Germany, assignor, by mesne assignments, to Procter & Gamble Company, Ivorydale, Ohio
No Drawing. Application August 29, 1932, Serial No. 630,974. In Germany November 13, 1931
4 Claims. (Cl. 87—16)

1. A process of producing transparent kneaded toilet soaps containing a high percentage of fatty acids consisting of saponifying a mixture of fats and saponifiable natural resin with concentrated soda lye not substantially in excess in the substantial absence of an electrolyte, and while the soap is at a temperature of liquefaction suddenly cooling it to a temperature sufficiently low to prevent crystallization, drying the soap under conditions which prevent crystallization, subsequently kneading and plodding while cooling the soap, and then forming the soap into bars.

4. As an article of manufacture the product produced by the process of claim 1, consisting of a substantially transparent, kneaded toilet soap bar containing substantially seventy-one per cent to seventy-five per cent of fatty acids and having the original shape that it had when stamped as a bar.

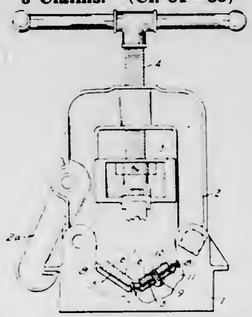
2,005,161
PIPE VISE
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 19, 1934, Serial No. 711,947
12 Claims. (Cl. 81—21)

1. In a pipe vise, the combination of a base: a frame extending from the base having guide surfaces; a head slidingly mounted between the guide surfaces, said head and surfaces having a wide



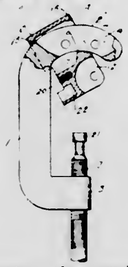
clearance; inclined jaws on the head and base; and means exerting pressure on the head, said means permitting the side movement of the head.

2,005,162
PIPE VISE GRIPPING MEMBER
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 19, 1934, Serial No. 711,948
3 Claims. (Cl. 81—38)



1. A gripping member of a pipe vise comprising relatively inclined jaw seats and jaws on said seats, each jaw having opposite approximately parallel gripping faces with teeth having slopes of substantially equal inclination and means attaching said jaws on said seats with either face up.

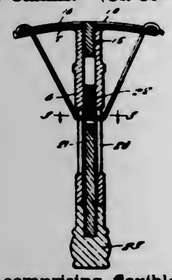
2,005,163
PIPE CUTTER
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 19, 1934, Serial No. 711,950
4 Claims. (Cl. 81—192)



1. In a pipe cutter, the combination of a body having a guide portion with cutter hook and
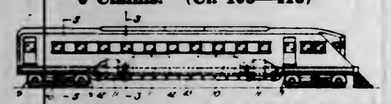
nut ends integral therewith and extending therefrom and at an angle thereto; a cutter block on the guide portion having a guide opening with integral surrounding guide walls, said opening being of a size permitting the assembly of the block over one of the pre-formed ends of the body; and a screw in the nut end operating the block.

2,005,164
RAZOR
Herbert G. Pressentin, Madison, Wis.
Application January 19, 1934, Serial No. 707,355
4 Claims. (Cl. 30—12)



3. A razor comprising flexible guard and cap members, a handle, interengaging means on the cap and handle for securing the cap, guard and a blade clamped therebetween in position on one end of the handle, said handle being hollow, a stem working in the handle, means engaged with the stem for adjusting the same axially of the handle, and a member engaged with the stem and the opposite end portions of the guard and cap for flexing the latter in the direction of their longitudinal median and to hold the guard, cap and blade in longitudinally curved condition.

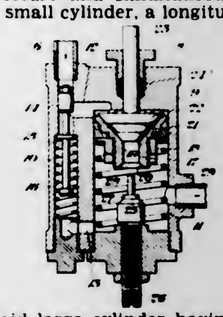
2,005,165
RAILWAY CAR BODY
Charles De Los Rice, West Hartford, Conn.
Application January 18, 1934, Serial No. 707,199
6 Claims. (Cl. 105—413)



1. In a railway car, a car body having a pair of side sills extending throughout the length of the car, a floor at each end of the car above the trucks and supported by said sills at an upper level, a sheathing at each side of the car and extending downwardly below said sills between said end floors, transverse beams between the end floors and extending beneath said sills from one sheathing to the other sheathing, means for connecting said transverse beams to said sills, means for connecting the ends of said transverse beams to said sheathings, and a floor supported by said transverse beams located below the level of the end floors.

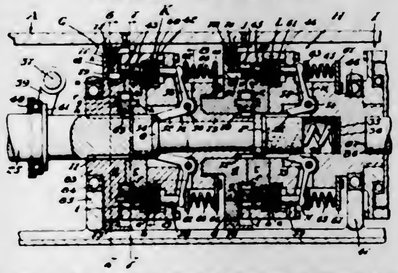
2,005,166
LUBRICATION SYSTEM
Samuel S. Roberts, Pittsburgh, Pa.
Application July 6, 1932, Serial No. 621,091
5 Claims. (Cl. 184—7)

1. A metering valve including parallel small and large cylinders respectively constructed and arranged so that the large one has an inlet from the smaller cylinder and an outlet to the device to be lubricated and the small one has an inlet for lubricant under pressure and a bore communicating with the outlet end of the large one, means including a piston in said small cylinder constructed to cut off communication between its inlet and the bore to the outlet end of said large one when moved theretowards by lubricant entering the inlet and to establish communication between opposite ends of said large cylinder and said bore through the inlet to the large cylinder, when oppositely moved upon release of pressure and simultaneously close the inlet to the small cylinder, a longitudinally bored



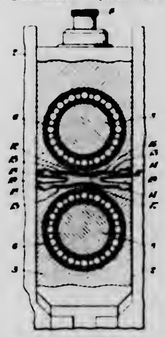
piston in said large cylinder having valve seats at both ends, a sliding valve fitting the seat of the bore in said second named piston towards said inlet and having a stem projecting through the end wall of said large cylinder, an adjustably fixed valve fitting the other seat of the bore in said piston when said piston is moved towards the outlet end of said large cylinder and including a portion constructed and arranged to effect closure of the piston bore slightly before seating of the piston against said fixed valve and a stem sufficiently long to then crack said first named valve from its seat upon further movement of the piston and springs for urging said pistons toward the inlets of the respective cylinders.

2,005,167
CHANGE SPEED TRANSMISSION
Clyde A. Roeder, Omaha, Nebr.
Application September 4, 1934, Serial No. 742,600
6 Claims. (Cl. 74—259)



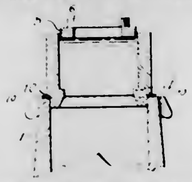
1. In a change speed mechanism, a drive shaft, a driven shaft, a reciprocal shaft interposed between said drive and driven shafts in axial alignment therewith, a gear mount revoluble on said reciprocal shaft, a ring gear having internal and external teeth arranged with its internal teeth geared to said reciprocal shaft, a cylinder revolubly supported on said reciprocal shaft, gear teeth on said cylinder meshing with the external teeth on the ring gear, a friction clutch normally interconnecting said gear mount and cylinder, means controlled by longitudinal movement of said reciprocal shaft for placing said clutch in and out of operative relation to said gear mount and cylinder, means for locking said gear mount against rotation on release of said clutch, transmission means for driving said driven shaft from said cylinder, and torque controlled means for reciprocating said reciprocal shaft.

2,005,168
ROLLING MILL
George H. Rose, Cleveland Heights, Ohio
Application February 6, 1934, Serial No. 709,992
3 Claims. (Cl. 80—56)



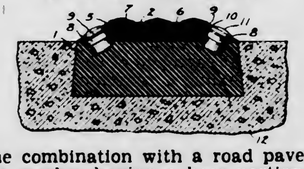
1. A spring mounting for heavy elements normally free and tending to move toward each other comprising, in combination, a pair of opposed blocks for supporting said elements, the adjoining edge of each of said pair of opposed blocks having a concavity adjacent each of its ends, and a spring separator adapted to be placed between the adjoining edges of said blocks and having upper and lower cantilevered convexed portions at each of its ends conforming substantially to the concavities therein, said spring separator being disposed in such manner as to cause the upper and lower cantilevered convexed portions at each of its ends to occupy the cancavities of said pair of opposed blocks while the remainder of the spring separator and the remainder of the adjoining edges of said blocks are maintained in spaced relationship with respect to each other.

2,005,169
CASTING METAL INGOTS
Andrew Reed Rowe, Midland, Pa.
Application August 27, 1932, Serial No. 630,721
1 Claim. (Cl. 22—209)



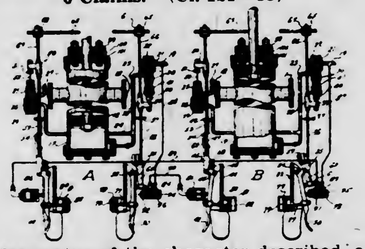
The method of molding ingots comprising placing a hot top in a mold and charging the mold with metal, inserting an imperforate cover and resting it near the bottom of the hot top after the first charge of metal into the mold to obtain the maximum radiation from the cover, subsequently removing the cover and completing the charge of metal to near the top of the hot top and again placing the cover in the hot top on the melted metal so that it will cover the molten metal in the hot top at approximately the height of the metal in the hot top.

2,005,170
TRAFFIC MARKER
George Segelhorst, Stowe, Ohio
Application November 9, 1933, Serial No. 697,294
2 Claims. (Cl. 88—79)



1. The combination with a road pavement of a traffic marker having a base portion of vulcanized material substantially of the color of the pavement and embedded into the pavement so that the portion of the base in the plane of the adjoining surfaces of the pavement is of the color of the pavement, and a top portion integrally vulcanized to said base portion and having a color contrasting with said base portion, said top portion having its lateral faces exposed above said pavement and beveled to render the marker visible and prevent dislodgment of said marker by traffic impact.

2,005,171
TANDEM POWER PRESS
John P. Singiser, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 13, 1930, Serial No. 474,890
6 Claims. (Cl. 121—38)

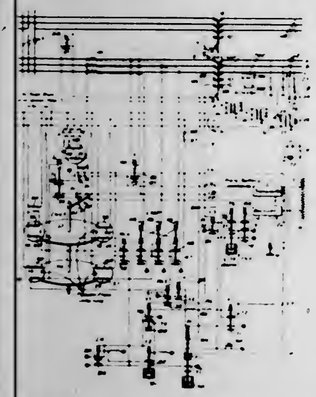


1. Apparatus of the character described, comprising two pressing machines connected in tandem, each of said machines including relatively movable pressing members, a power operator therefor, a releasing device for said power operator, and two-hand control means for the power operator including two manuals for actuation respectively by the two hands of the operator, the tandem connection between said machines including an operative connection from one of the manuals of one machine to the releasing device of the other, whereby joint actuation of both manuals of one machine produces operation of that machine and sole actuation of the said one manual of one machine actuates the releasing device of the other machine.

2,005,172
CONTINUOUS CARRIER RELAYING
Roy M. Smith, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1933, Serial No. 703,610
20 Claims. (Cl. 175—294)

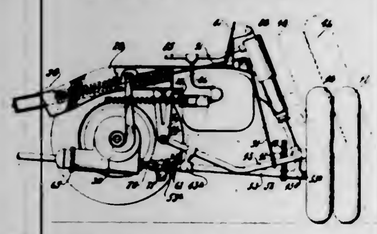
1. An electrical transmission system including a plurality of line-sections, a relaying station, a bus at the relaying station having a plurality of said line-sections connected thereto, each of said

bus-connected line-sections having circuit-interrupter means interposed between itself and the bus, and tripping means for actuating each of said circuit-interrupter means, characterized by protective means for one of said line-sections, said protected line-section having line-sectionalizing circuit-interrupter means at each end thereof, and said protective means comprising relaying means at each end of the protected line-section and including a communicating channel between the two ends of the line-section, said relaying means including quick-acting relaying



means associated with the circuit-interrupter means at both ends of the protected line-section and also associated with the communicating channel therebetween for tripping said circuit-interrupter means in the event of a fault accompanied by power-direction into the protected line-section at both ends thereof, and means responsive to the energization of the tripping means on another of the circuit-interrupter means associated with said bus for interposing an impediment against the subsequent immediate quick tripping of a circuit-interrupter means of the protected line-section.

2,005,173
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif.
Application April 5, 1932, Serial No. 603,317
9 Claims. (Cl. 180—1)



1. The combination with a motor vehicle of a structure mounted on said motor vehicle adapted to support two spare tires at the rear end of said vehicle, means for imparting movement to said structure to cause said tires to engage the ground at each side of the vehicle longitudinal center and lift two wheels of said vehicle out of engagement with the ground.

2,005,174
ELECTRIC TUBING CONNECTER
Gershom G. Williams, La Jolla, Calif.
Application September 23, 1933, Serial No. 690,690
4 Claims. (Cl. 247—27)



1. An electric tubing connecter consisting of, a socket portion adapted to receive the end of electric tubing, a screw and wedge receiving means associated with said socket portion and disposed with its axis in substantially tangential relation with the axis of said socket portion, a relatively long thin tapering wedge means disposed at the inner portion of said receiving means and a screw engageable with said receiving means to force the wedge means tangentially into wedging curved relation between the socket and tubing.

2,005,175
CENTRIFUGALLY-CAST CIRCULAR INGOT
James L. Adams, Jr., Youngstown, Ohio
Application December 28, 1932, Serial No. 649,181
3 Claims. (Cl. 22—218)



1. A cast ring-ingot with substantially helically directed end-faces, on its axially disposed ends, said end-faces forming offset elements with respect to main body of ring-ingot, but included between inner and outer radii of latter.

2,005,176
CAMPER'S TOOL
John Le B. Arbuckle, Columbus, Ohio
Application December 16, 1932, Serial No. 647,653
1 Claim. (Cl. 145—62)



In a combination tool, a handle provided with a longitudinally extending socket opening to one end thereof, the inner part of said socket being of restricted slot-like formation and the outer portion of said socket towards the end of the handle being of enlarged or greater cross sectional area, the said socket providing shoulders substantially midway of its length at the points of juncture of the restricted slot-like inner portion with the enlarged outer portion thereof, a knife provided with a blade and handle removably positioned in said socket with the blade of the knife received in the restricted slot-like portion of the socket and the handle of the knife in the enlarged outer portion thereof, the end of the knife handle adjoining said blade being engaged with said shoulders to control the inserted positions of the knife within said socket, a metallic ferrule reenforcing the end of the tool handle adjacent to the open end of said socket, said ferrule being provided with a flange arranged in the socket contiguous to its open end, said flange being formed with a shoulder, and a spring-

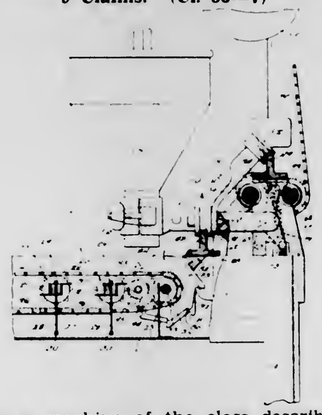
pressed member carried by the knife handle and arranged to engage with the walls of said last-named shoulder when the knife is positioned within said socket to positively retain said knife within said socket, said knife being confined against accidental movement when positioned within said socket.

2,005,177
SHOE PRESS PAD
William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application August 8, 1933, Serial No. 684,165
7 Claims. (Cl. 12—38)



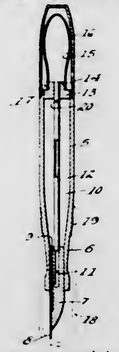
1. An inflatable shoe press pad for handling right or left shoes only, and having a thickened shank portion, said thickened portion being of greater longitudinal extent at the inside edge of the pad than at the outside.

2,005,178
DOUGHNUT MACHINE AND THE LIKE
Charles E. Carpenter, Chicago, Ill.
Application October 9, 1934, Serial No. 747,653
9 Claims. (Cl. 53—7)



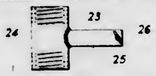
1. In a machine of the class described, the combination of a frying pan, means for forming and depositing doughnuts in one end of said frying pan, and means for turning and advancing said doughnuts lengthwise of the pan, said means comprising a series of transversely extending longitudinally slotted shafts, a radial paddle member located in the slot of each of said shafts, and rotating with the shaft, an enlargement on each longitudinal edge of said paddle, said enlargements being of greater width than the shaft slots, to thereby retain the paddles against slippage out of the slots, and means for simultaneously rotating all of the shafts periodically through semi-revolutions to thereby carry the respective blades upwards and over away from the point of doughnut introduction and towards the point of doughnut delivery, substantially as described.

2,005,179
FOUNTAIN PEN
Frank B. Chamberlin, Columbus, Ohio
Application May 6, 1933, Serial No. 669,730
1 Claim. (Cl. 120—46)



A fountain pen comprising a barrel provided with an internal ink reservoir, a ported feed bar formed in connection with the lower end of said barrel, the ports in said feed bar establishing communication for fluid flow between said ink reservoir and the atmosphere, a closure formed at the upper end of said ink reservoir, a bulb carried by said closure, and a tube extending longitudinally of said barrel and establishing fluid flow between the interior of said bulb and the ports of said feed bar, said tube adjacent to said closure being provided with a restricted, valveless opening possessing a diameter materially less than that of said tube, the axis of said opening being disposed substantially at right angles to the longitudinal axis of the tube.

2,005,180
TANK CLEANING DEVICE
James A. Cronin, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application February 20, 1933, Serial No. 657,543
9 Claims. (Cl. 299—73)



1. A tank cleaning device comprising a support adapted to extend from the bottom of a tank to the top thereof, a nozzle carrier longitudinally movable on said support, a nozzle pivoted on said carrier, orienting means for said carrier extending along and to the upper end of the support and adapted to move said carrier about said support as an axis, and a hose connected to said nozzle and adapted to supply a cleaning fluid thereto, said hose adapted to be manipulated from the outside of said tank to move said nozzle in a vertical plane.

2,005,181
HOBBYHORSE
Frank G. Dennison, Newton, Mass.
Application April 7, 1932, Serial No. 603,819
5 Claims. (Cl. 272—53)



1. In a hobby-horse capable of forward movement, the combination with a body portion and fore and hind legs carried thereby and connected together for movement simultaneously in opposite directions as the rider thrusts his body forward or rearward, said fore legs being provided with extensions connected together to form a hand lever for the rider, of a resilient connection between the hand lever and the body portion for facilitating the movement of the hind legs as the rider thrusts his body forward.

2,005,182
PRODUCTION OF PATTERN EFFECTS ON TEXTILE AND OTHER MATERIALS
George Holland Ellis and Henry Charles Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 14, 1933, Serial No. 651,848. In Great Britain February 9, 1932
11 Claims. (Cl. 8—5)

1. Process for the production of pattern effects on materials, which comprises discharging a ground color thereon by means of substances selected from the group consisting of stannous and titanous chloride salts, while restricting acidity by means of an organic base.

2,005,183
CATALYTIC OXIDATION OF KETONES
Walter Flemming and Walter Speer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 23, 1933, Serial No. 658,148. In Germany March 1, 1932
10 Claims. (Cl. 260—112)

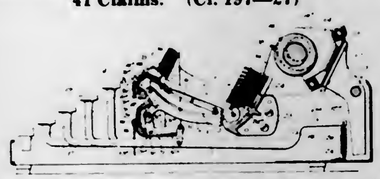
1. The process for the catalytic oxidation of ketones, which comprises subjecting a ketone corresponding to the general formula R—CO—R_1, in which R denotes an alkyl, cycloalkyl, aralkyl or aryl radicle and R_1 and alkyl, cycloalkyl or aralkyl radicle or in which R and R_1 are connected with each other as members of a non-aromatic ring system, to oxidation, in the liquid phase, by means of a gas containing oxygen, in the presence of an oxidation catalyst.

10. The process for the catalytic oxidation of ketones, which comprises subjecting acetone to oxidation, in the liquid phase, by means of a gas containing oxygen, in the presence of an oxidation catalyst comprising at least one metal selected from the group consisting of manganese and cobalt, and of acetic acid, at a temperature between about 75° and about 105° C., the partial pressure of oxygen being at the most about 5 atmospheres.

2,005,184
FRUIT COATING METHOD
Thomas W. W. Forrest, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, a corporation
No Drawing. Application June 23, 1933, Serial No. 677,265
3 Claims. (Cl. 99—8)

1. In a method of treating partially dehydrated fruit, contacting the surfaces of the fruit with an emulsion containing oil, water, sugar, fruit pectin, and an emulsifying agent in addition to the fruit pectin.

2,005,185
TYPEWRITING MACHINE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1931, Serial No. 558,864
41 Claims. (Cl. 197—27)



1. A typewriter action mechanism comprising a type bar, an actuating member having a fixed pivot, a direct operative connection between said actuating member and type bar, and a pair of toggle links for limiting the movement of said type bar, one of said links being pivotally connected to said type bar and the other of said links being pivotally connected at one of its ends to said one of said links and at its other end to said actuating member at a point removed from the fixed pivot of the latter and from the direct connection between the latter and the type bar, said actuating member serving independently of said toggle links to actuate said type bar.

2,005,186
APPARATUS FOR TIGHTENING CAPS ON JARS
Hugh T. Griswold, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 30, 1933, Serial No. 704,770
7 Claims. (Cl. 226—88)

1. In apparatus for tightening caps on jars or other containers, the combination of a horizontally disposed conveyor, means for supporting the containers thereon with the containers arranged in rows extending transversely of the conveyor, a battery of chucks spaced above the conveyor and arranged in a row extending transversely of the conveyor, means for intermittently driving the conveyor and thereby bringing said rows of containers in succession to an operative position beneath the battery of chucks and temporarily holding the containers at rest in said operative position, means for continuously rotating the chucks about vertical axes, a supporting plate on which the chucks are mounted, a cam shaft mounted on and spaced above said plate, cams on said shaft, a second plate positioned above the

cams, means for rotating the cam shaft and cams and causing the latter to engage said second plate and thereby force the cam shaft downward, causing it to lower the chucks into engagement with the caps, springs for holding said second

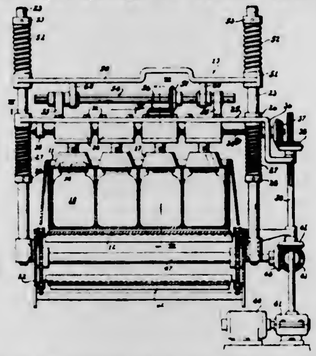
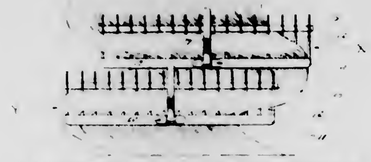


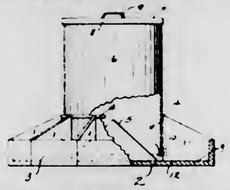
plate with a yielding pressure against the cams and thereby holding the chucks with a yielding pressure against the caps, and springs for lifting the chucks when released from the control of the cams.

2,005,187
HAIRDRESSING DEVICE
John Halloh, Sunnyside, N. Y.
Application December 1, 1933, Serial No. 700,455
6 Claims. (Cl. 132—38)



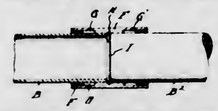
1. A hairdressing appliance, comprising a comb element, a locking bar, and resilient means connecting the bar to the comb element, said resilient means being adapted to permit the bar to pass over the teeth of the comb from one side to the other and cause the bar to bear on a hair formation through which the teeth of the comb have been passed.

2,005,188
FEEDER
Clarence E. Hedrick, Newton, Kans.
Application July 9, 1934, Serial No. 734,323
3 Claims. (Cl. 119—53)



1. In a feeder a base element polygonal in form, and having an outer wall upwardly extending, and a bottom therefor, a conical baffle secured to the bottom concentric to the wall, a plurality of partitions radially extending and joined to the wall at the outer ends thereof, an annular band secured to the inner end of each partition near the upper edge thereof, a portion of the said partitions having a plurality of apertures spaced apart vertically, and a pin insertable in a selected aperture of each apertured partition, and a cylindrical container open at one end and positioned on the said pins said pins spacing the container from the floor.

2,005,189
SOLDER COUPLING
Albert H. Herr, Port Huron, Mich.
Application July 10, 1933, Serial No. 679,765
6 Claims. (Cl. 285—115)

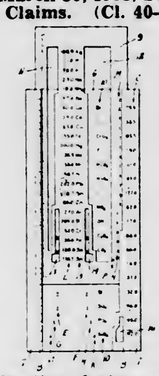


1. A coupling comprising two telescopically engaged members, one cut away to form an open ended annular recess between the same and the other member, a ring of fusible metal insertable in said recess and occupying the inner portion thereof, and a ring of less fusible metal insertable into the outer portion of said recess and forming a retainer for said inner ring.

2,005,190
PROCESS FOR THE DIGESTION OF VEGETABLE GROWTHS TO PRODUCE CELLULOSE
Herman B. Kipper, Accord, Mass.
No Drawing. Application April 13, 1933, Serial No. 665,957
9 Claims. (Cl. 92—9)

1. In a process for the digestion of vegetable growths to secure cellulose fibre, the step of subjecting the said growths to the action of nitric acid mixed with organic liquids.

2,005,191
MOLECULAR WEIGHT INDICATOR
Carlo D. Koski, Brainerd, Minn.
Application March 30, 1933, Serial No. 663,461
4 Claims. (Cl. 40—65)



1. In an indicating device, a body, a member connected with said body for movement relatively thereto, two series of symbols located respectively on said body and said movable member, symbols in one of said series representing certain data and symbols in the other series representing certain other data, said members each having thereon a series of numerals representing

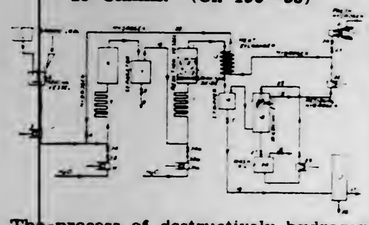
numerical data related to the symbols thereon, and aligned with the corresponding symbols, a second series of numerals on each of said members positioned in each instance adjacent an edge of the other member, said last mentioned edges of said members having protruding portions extending generally in the direction of the arrangement of said second series of numerals and serving to cover certain of said numerals in various relatively adjusted positions of said two members, substantially as and for the purposes described.

2,005,192

CONVERSION OF SOLID FUEL AND PRODUCT DERIVED THEREFROM OR OTHER MATERIALS INTO VALUABLE LIQUIDS

Carl Krauch, Ludwigshafen-on-the-Rhine, and Mathias Pier, Heidelberg, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

Application July 29, 1932, Serial No. 625,648
In Germany February 14, 1925
15 Claims. (Cl. 196—53)



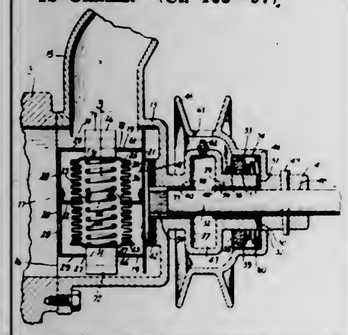
1. The process of destructively hydrogenizing carbonaceous substances, such as solid and liquid fuels, distillation and extraction products thereof, which comprises treating them with hydrogen, in the presence of a catalyst containing uranium, and heat at a temperature between about 300° and 700° C. sufficient to promote the reaction and at a pressure of at least 20 atmospheres.

2,005,193

TEMPERATURE RESPONSIVE LIQUID PUMP

Edward L. Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application March 21, 1934, Serial No. 716,657
12 Claims. (Cl. 103—97)



1. In a pump for circulating liquid through the cooling system of an internal combustion engine, a pump rotor comprising a head and centrifugal pump vane means movable radially on the head to different pumping positions to vary the pumping effect of the rotor from substantially zero to a predetermined maximum, and means thermally responsive to changes of pumped liquid temperature for adjustably moving the vane means.

12. In a pump for circulating liquid through a conduit system, a pump chamber, a centrifugal pump rotor rotatably supported in the chamber having centrifugal pumping elements movable radially to vary the pumping effect and means for variably moving the pumping elements thermally responsive to temperature changes of liquid in the chamber.

2,005,194

HEADLIGHT LAMP

Franklin Mayo, Chicago, Ill., assignor to Walter R. Armstrong, Chicago, Ill.

Application December 1, 1932, Serial No. 645,251
1 Claim. (Cl. 176—26)



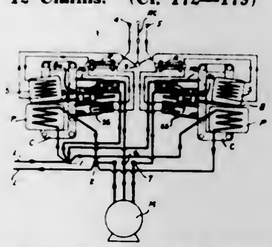
A headlight lamp for mounting in a standard horizontally disposed socket of a parabolic reflector-type automobile headlight, comprising a lamp base constructed and arranged to be received and aligned by said socket, a lamp bulb supported at one end in the base, primary and secondary filaments mounted within the bulb in spaced relation to one side of the axis of the base, and a conical reflector at the outer end of the bulb and fixedly supported by the bulb with its axis disposed at an angle to the axis of the base and concentric with the primary filament of the bulb, whereby all of the light emanating from the filament will be reflected as a cone to the parabolic reflector from which the greater part will be projected to the foreground, a lesser amount to the sides, and the least amount upwardly.

2,005,195

DELAYED ACTION SWITCH MECHANISM

Ira E. McCabe, Chicago, Ill.

Application July 31, 1933, Serial No. 683,037
12 Claims. (Cl. 172—179)



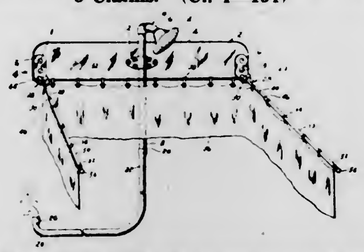
1. A motor control including a source of electricity, a motor, means for establishing a circuit from the source through the motor, a normally open switch in the motor circuit, electrically operated means for closing said switch, a remote control switch, means actuated by closing the control switch to establish a circuit through said operating means to close the motor switch, and means to delay the closing of the motor switch after the closing of the control switch including a variable electrical resistor in the control circuit increasing in conductivity as its temperature increases, and means to maintain the motor switch closed and the resistor ineffective as long as the control switch remains closed.

2,005,196

SHOWER BATH APPARATUS

George E. Mears, Los Angeles, Calif.

Application January 22, 1934, Serial No. 707,676
8 Claims. (Cl. 4—154)



1. A shower bath apparatus comprising, a panel mountable on a bath room wall, a shower head positioned on said panel, a pair of brackets on the panel, a cross rod having its ends secured to said brackets, and a pair of extension rods mounted to swing on said brackets for horizontal extension and capable of being folded parallel with said cross rod when not in use.

2,005,197

PRIMING MIXTURE

Joseph D. McNutt, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland

No Drawing. Application March 31, 1934, Serial No. 718,517
9 Claims. (Cl. 52—4)

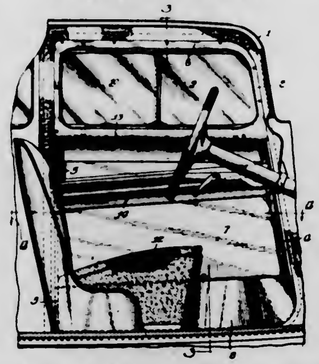
1. A priming mixture comprising an alkali or an alkaline earth salt of dinitrophenylazide.

2,005,198

AUTOMOBILE DOOR

Willard L. Morrison, Chicago, Ill.

Application June 2, 1933, Serial No. 673,937
3 Claims. (Cl. 296—44)



1. An automobile construction comprising a door, a seat, a box on the inside of said door at the bottom thereof, an extension part for the seat which projects across the top of the box when the door is closed so as to act as a cover therefor and as an extension for the seat.

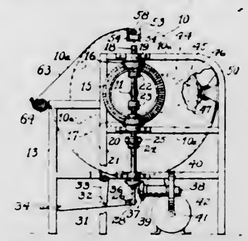
2,005,199

MACHINE FOR CLEANING WINDOW SHADES

Peter F. Nardulli and Michael J. Nardulli, Chicago, Ill.

Application December 13, 1933, Serial No. 702,138
12 Claims. (Cl. 15—40)

1. In a machine of the class described, the combination of a rotary drum, a tank for containing cleaning liquid around the lower portion of said drum, brushing means adjacent said drum, a driving shaft, gearing between said shaft and said drum for selectively rotating said drum in either of two directions for rotation in a single direction of said shaft, clutch mechanism for selectively



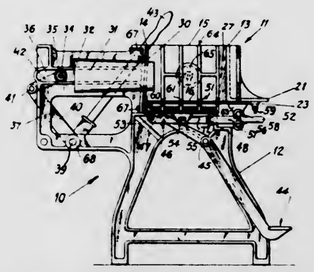
connecting said gearing for drum rotation in either desired direction, and devices for mounting a shade roller longitudinally on said drum, whereby a shade attached to said roller may be wrapped around said drum by rotation of the latter and cleaned on both sides by said brushing means for a single mounting of said roller on said drum.

2,005,200

MOLD FOR BRICK-FACED BLOCKS

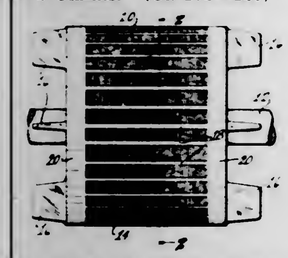
Thomas F. O'Gorman, Nutley, N. J.

Application March 17, 1933, Serial No. 661,213
4 Claims. (Cl. 25—41)



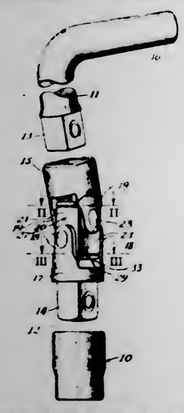
1. In a mold for plastic material, a mold box with end walls pivotally supported at their lower edge from a base-plate, a front wall secured to said base-plate, a supporting frame beneath said mold box, a sloping rear wall integral with said supporting frame, means for supporting said front wall from said base-plate in a plurality of adjusted positions relative to said rear wall, said base-plate and attached front and end walls being pivotally supported and adapted to swing jointly through an angle of ninety degrees upon said frame, a core-actuating lever fulcrumed in the frame and located on one side of the mold with its handle elevated above the upper level of the mold for moving a plurality of cores into and out of said mold box, a foot lever pivotally mounted on said frame and extending upwardly in contact with the rear portion of the lower face of said base plate for lifting and tilting said base-plate and attached front and end walls a portion of said swing to an inclined position on said frame to permit said mold box to be easily hand-swung the remainder of said ninety degree swing, a removable pallet, the front wall of said mold box being provided with end openings forming hand holds for removing said pallet and molded block from said mold.

2,005,201
INDUCTION MACHINE
Eyvind W. Petersen, Beloit, Wis., and William A. Singer, Chicago, Ill., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 9, 1932, Serial No. 641,818
2 Claims. (Cl. 172—120)



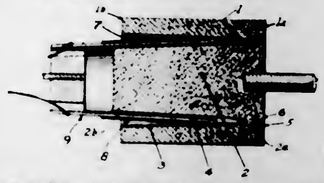
1. A rotor for an electric machine comprising, as a unitary metallically united structure, a magnetic core, and a winding and end ring portion consisting of a pressure cast alloy containing from 3% to 5% aluminum, magnesium substantially .01%, the remainder consisting of zinc of a commercial purity and characterized by the absence of more than a trace of copper, whereby the impact strength of the rotor structure is substantially increased, and the physical properties of the winding material uniformly maintained during ageing of the rotor assembly.

2,005,202
UNIVERSAL JOINT
Emil F. Pilger, Kenosha, Wis., assignor to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware
Application May 27, 1932, Serial No. 613,808
6 Claims. (Cl. 64—102)



1. In a device of the character described, the combination with spaced members having bifurcated extremities, of a block interposed between said bifurcated member extremities, pivot pins extending in normal directions through said block and each of said bifurcated extremities to connect said members for movement in right angular directions, said block having a circumferential groove provided therein, and a spring lodged in said groove for frictional contact with the member extremity to maintain any adjusted relation therebetween.

2,005,203
VARIABLE INDUCTANCE DEVICE
Wladimir J. Polydoroff, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 4, 1932, Serial No. 609,159
10 Claims. (Cl. 171—242)



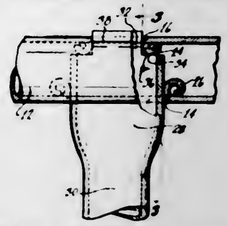
1. A variable inductance device, including a tapered magnetic core gradually increasing in density toward its larger end, and a correspondingly-tapered inductance coil inductively related to said core.

2,005,204
LAWN MOWER
Ralph R. Poynter, Lebanon, Ind.
Application February 23, 1933, Serial No. 657,993
14 Claims. (Cl. 56—255)



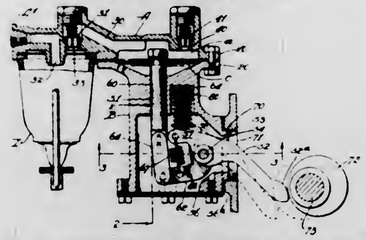
1. In a device of the class described, a pair of ground wheels mounted on an axle and having a driving connection therewith, a toothed blade hung from said axle and rotatable on a substantially vertical axis, and speed-increasing means connecting said axle to drive said blade, said blade running free of association with any other cutting element.

2,005,205
MEANS FOR CONNECTING TUBULAR MEMBERS
Milton H. Rix, Three Rivers, Mich., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1933, Serial No. 668,542
4 Claims. (Cl. 287—54)



1. In a joint or connection for tubular members, a passage formed by aligned apertures through wall portions of one member, a compressed end portion on the other member, adapted to extend through said apertures, terminals on the outer end of said compressed portion, having faces seated on opposite sides of one of said apertures, for clamping the members in assembly, and means on the compressed end of the second member arranged to engage an inner wall portion of said first member.

2,005,206
FUEL PUMP
Edward A. Rockwell, Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1929, Serial No. 366,842
6 Claims. (Cl. 103—215)



4. In combination, an impulser, a cam-actuated lever for actuating the same, a compression spring for causing the lever to follow the cam, a lever connected to the impulser having a lost-motion connection with the first-mentioned lever, a tension spring reacting between the levers for providing a limited pressure feeding stroke, and a downwardly directed pocket in which the follower spring is carried.

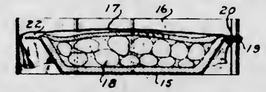
2,005,207
ELECTRICAL SWITCH
Joseph Rosen, Brooklyn, N. Y., assignor to Peer Electric Co. Inc., Long Island City, N. Y., a corporation of New York
Application November 23, 1932, Serial No. 643,978
3 Claims. (Cl. 200—51)



1. In an electric switch, a housing, a pair of spaced contacts therein, a pin extending substantially perpendicularly from a part of said housing, said pin being provided with spaced circumferential grooves, a contact bridge member of substantially U-shape having aligned openings in the legs thereof for insertion over said pin, a handle having an enlarged hub pivotally mounted on said pin between said legs, said hub being provided with a recess, a spring compressor seating in said recess, and having a portion passing through an opening in the connecting portion of said bridge member, and a spring surrounding a portion of said spring compressor to force parts of the walls of said leg openings into said grooves.

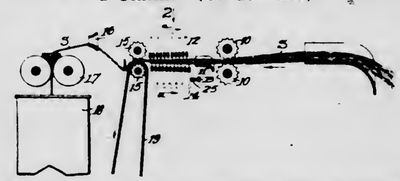
2,005,208
WRAPPING
Jonas Schuchat, Chicago, Ill.
Application August 20, 1934, Serial No. 740,613
7 Claims. (Cl. 206—44)

1. A commodity wrapper comprising a plate member for supporting the commodity and having a peripheral vertically yieldable flange; a flexible cover sheet disposed over said commodity and having its marginal portions depending over the flange of said plate; a preformed flexible endless band member having its ends permanently secured together surrounding said plate and the marginal portions of said cover sheet; said band member having a yielding spring engagement with said plate flange, and a plurality of spaced elongated apertures in said band member receiving adjacent portions of said plate flange and



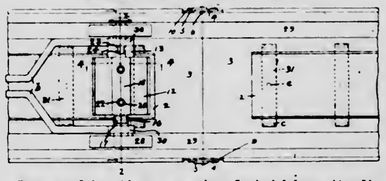
cover sheet, whereby vertical movement of said permanently endless band member relative to said plate draws said cover sheet substantially taut over the commodity, engages portions of said flange within said apertures and thereafter maintains the wrapper in assembled position by the spring engagement of said flange portions with said spaced apertures to clamp adjacent marginal portions of said cover sheet therebetween.

2,005,209
CLEANING DEVICE FOR GILL-BOX FALLERS
Harry Whitaker, South Barre, Mass.
Application June 26, 1934, Serial No. 732,491
1 Claim. (Cl. 19—129)



A gill-box having, in combination, a plurality of fallers having faller pins and successively movable from an initial working position along a substantially rectangular closed path having an upper working portion and a lower return portion, and a brush to clean said fallers, said brush being held fixed in position adjacent the path of upward return movement of said fallers and being successively and directly engaged by said fallers closely adjacent said pins as said fallers are moving upward to initial working position at the feeding end of the machine.

2,005,210
SAFETY BLADE SHARPENER
Reginald Henry White, Toronto, Ontario, Canada
Application January 26, 1934, Serial No. 708,383
3 Claims. (Cl. 51—159)



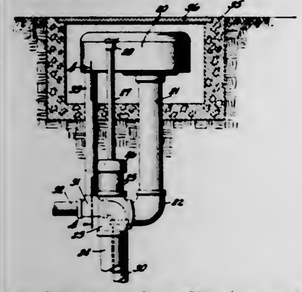
1. In combination, a pair of rigid longitudinally aligned coupled supports providing flat trackage at each side thereof, bow-shaped resilient members secured to the supports and extending transversely thereof, a pair of longitudinally aligned abrading elements having their upper surfaces in a common plane mounted on the resilient member, respectively above a support and of less length and breadth than the supports, the oppo-

site side edges of the abrading elements being disposed inwardly of the adjacent trackage, and a blade carriage movable over the trackage adapted to move a blade in contact with the abrading elements, the resilient members supporting the abrading elements permitting the latter to yield to pressure in a direction transversely of the path of travel of the carriage.

2,005,211
CONDUIT CAP

Ralph G. Whitlock, Los Angeles, and Lewis Sharp, Huntington Park, Calif., assignors to Federal Foundation, Inc., Las Vegas, Nev., a corporation of Nevada

Application April 9, 1934, Serial No. 719,698
9 Claims. (Cl. 221—67)

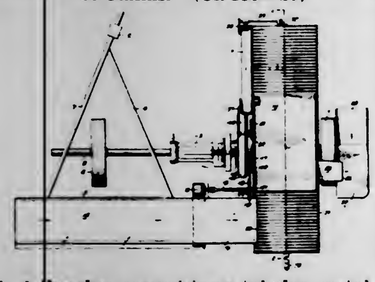


1. The combination of: a fill pipe; a head on said pipe; a pipe closure member movably mounted on said head and having a position closing said pipe and a position freeing said pipe to permit access thereto; means provided on said head for discharging a token into a position where it may be taken by the operator for each cycle of actuation of said member to permit access to said fill pipe; and means for coacting with a token before its removal to prevent further actuation of said closure member until said token has been taken up by said operator.

2,005,212
THRESHING

Elmer E. Wickersham, Stockton, Calif., assignor by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application January 14, 1928, Serial No. 246,697
20 Claims. (Cl. 130—27)

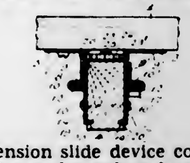


4. A thresher comprising a tubular, metal shell, a head closing one end of said shell, a bulkhead bracing said shell and spaced from said head, an axle passing through said shell adjacent said bulkhead, supporting wheels on said axle, and separating mechanism within said shell, said mechanism including a cylinder operating through an opening in said bulkhead.

2,005,213
EXTENSION SLIDE DEVICE

Max Wurm, Brooklyn, N. Y.

Application September 1, 1934, Serial No. 742,376
3 Claims. (Cl. 311—69)

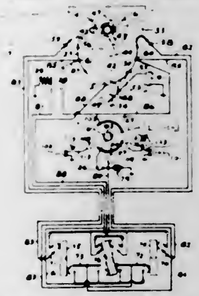


1. An extension slide device comprising a unit of three juxtaposed members having relative longitudinal sliding movement, the central one of which serves as a fixed guide-member for each of the engaging sliding side-members and the latter being provided with outwardly extending guide-ribs, guide-fixtures provided with inwardly disposed guide-ways engaged by said guide-ribs, said fixtures being mounted on said central member below and exteriorly of said side-members and serving to guide the side members in parallel longitudinal movement and in the same horizontal plane.

2,005,214
SIGNAL APPARATUS

Fred A. Anderson, Oakland, Calif.

Application April 24, 1933, Serial No. 667,670
5 Claims. (Cl. 177—329)



2. In signalling apparatus of the character described, a rotatable shaft, a signal arm fixed to the shaft for swinging to and between a pair of set positions thereof, a switch-actuating member rigid with said shaft, an electrically operable and reversible drive means for said shaft, power circuits for said drive means whereby to energize the same to actuate the shaft, and mutually independent switches each providing a pivoted switch arm in each said circuit for automatic actuation, by said actuating member in accordance with the setting of said signal arm whereby only that said circuit which will energize said drive means for swinging the arm from one said set position thereof to the other set position is closed at the appropriate said switch.

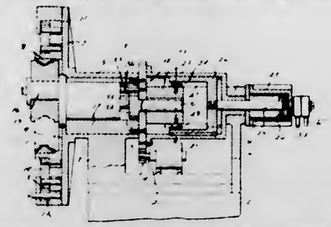
2,005,215
METHOD OF FORMING AN ANNULUS AND APPARATUS THEREFOR

Joseph E. Batie, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application December 14, 1931, Serial No. 581,034
3 Claims. (Cl. 80—5)

1. An apparatus for forming an annulus, comprising a master die for engaging the annulus, a

rotatable carrier, a crank eccentrically mounted on said carrier, a roll carried by said crank for

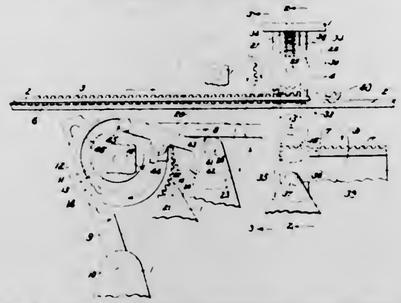


engaging the annulus, and means comprising a member movable longitudinally of said carrier for rotating said crank relative to said carrier.

2,005,216
CYLINDER PRESS MOTION

Arthur G. Bowles, Oakland, Calif.

Application February 14, 1934, Serial No. 711,147
13 Claims. (Cl. 101—282)



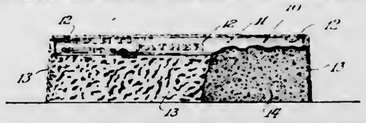
1. A cylinder press movement comprising a reciprocable bed, guides supporting the bed, means for reciprocating the bed, a rack secured along the edge of the bed, an impression cylinder geared to said rack in the printing stroke, means disengaging said cylinder from the rack during the return stroke, said bed being of a length to revolve said cylinder more than one revolution thereagainst during one printing stroke for printing in register on one place on the cylinder from forms in tandem, means continuing the revolution of said cylinder about one turn during the return stroke of said bed, and means reengaging the cylinder gear to said rack in register for repetition of the printing stroke as above.

2,005,217
MARKER

Elmer G. Brumund, Chicago, Ill., assignor to Brumund Bros. & Hufker Foundry, Incorporated, Chicago, Ill., a corporation of Illinois

Application December 26, 1931, Serial No. 583,269
1 Claim. (Cl. 40—124.5)

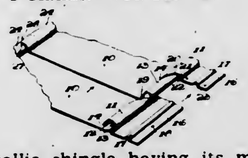
A tombstone including a hollow-shell integrally formed of cast metal and including an indicia bearing upper surface and four downwardly extending divergent side walls, irregular surfaces upon the exterior faces of each of these side walls simulating rough cut stone, irregularities on the interior surfaces of these side walls corresponding to the irregularities on the outer surfaces in a manner effective to maintain a uniform wall thickness; a filler positioned below and within the hollow shell and having four side surfaces convergently extending upward from the plane of the base, and irregularities in these surfaces corresponding with the irregularities on the interior surfaces of the hollow shell in a manner effective to prevent the removal of the hollow metal shell from the filler, exclusive of any adhesion therebetween.



2,005,218
METALLIC SHEET ROOFING

Oliver G. Burriss, Anderson, S. C., assignor of forty one-hundredths to E. P. Vandiver and forty one-hundredths to John C. Taylor, both of Anderson, S. C.

Application April 19, 1934, Serial No. 721,384
Renewed May 1, 1935
3 Claims. (Cl. 108—17)



1. A metallic shingle having its material at one longitudinal edge bent inwardly over the same for affording a longitudinal hollow bead, said bead having inner and outer layers and an inner longitudinal edge spaced from the upper surface of the shingle for affording a longitudinal passage, an attaching extension carried by the outer layer and disposed generally in the plane of the shingle, the forward end of the attaching extension being foreshortened with its forward end spaced from the forward end of the shingle and being substantially parallel therewith, said bead at its rear end having its inner and outer layers cut for affording a diagonal edge extending from the inner longitudinal edge of the bead to the free end of the same, said bead having its outer layer near its forward end cut away for providing a diagonal edge which extends from the longitudinal edge of the bead to a point spaced a substantial distance above the attaching extension for providing a substantially vertical shoulder extending from this point to the forward foreshortened end of the attaching extension, the inner layer of the bead projecting forwardly beyond this diagonal edge of the outer layer to provide a bead extension terminating at the forward end of the shingle and tapering rearwardly, said shingle being provided at its opposite longitudinal edge with a hollow rib projecting above the shingle and having its free longitudinal edge spaced from the shingle for affording a longitudinal passage, the forward end of this rib being cut to afford a diagonal edge.

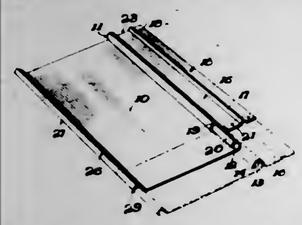
2,005,219
METALLIC SHEET ROOFING

Oliver G. Burriss, Anderson, S. C., assignor of forty one-hundredths to E. P. Vandiver and forty one-hundredths to John C. Taylor, both of Anderson, S. C.

Application November 28, 1934, Serial No. 755,219
4 Claims. (Cl. 108—22)

2. A metallic shingle having its material at one longitudinal edge bent over the same for affording a longitudinal hollow bead having inner and

outer layers and an inner longitudinal edge spaced from the upper surface of the shingle for affording a longitudinal passage, an attaching extension permanently secured to the outer layer and having its forward end foreshortened and spaced from the forward end of the shingle, said bead having its outer layer near its forward end cut away for providing a transverse edge spaced rearwardly from the forward end of the shingle,



the rear end of the bead having a transverse edge, the attaching extension projecting longitudinally beyond one end of the outer layer of the bead, the inner layer of the bead projecting forwardly beyond the transverse edge of the upper layer to provide a bead extension, said shingle being provided at its opposite longitudinal edge with a hollow rib having a longitudinal passage.

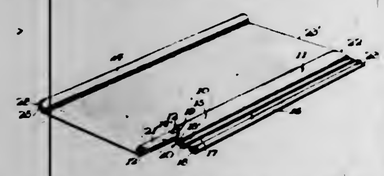
2,005,220

METALLIC SHEET ROOFING

Oliver G. Burriss, Anderson, S. C., assignor of forty one-hundredths to E. P. Vandiver and forty one-hundredths to John C. Taylor, both of Anderson, S. C.

Application February 14, 1935, Serial No. 6,576

4 Claims. (Cl. 108—22)



1. A metallic shingle having its material at one longitudinal edge bent over the same for affording a longitudinal hollow bead, said bead having inner and outer layers and an inner longitudinal edge spaced from the upper surface of the shingle for affording a longitudinal passage, an attaching extension permanently secured to the outer layer and having its forward end foreshortened and spaced from the forward end of the shingle, said bead having its outer layer near its forward end cut away for affording a diagonal edge, said diagonal edge extending from said inner longitudinal edge at a point spaced rearwardly from the forward end of the attaching extension to said forward end of the attaching extension, the inner layer projecting forwardly beyond the diagonal edge of the upper layer for providing a bead extension, said bead at its rear end being cut through both the inner and outer layers thereof for affording a rear diagonal edge which extends from the rear end of the shingle to said longitudinal edge at a point spaced forwardly from the rear end of the shingle, said shingle being provided at its opposite longitudinal edge with a hollow rib having a longitudinal passage.

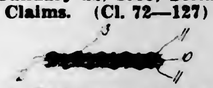
2,005,221

MULTI-PLY FLASHING STRUCTURE

Samuel H. Cohen, Boston, and Jacob Wasserman, Cambridge, Mass.

Application January 22, 1935, Serial No. 2,914

6 Claims. (Cl. 72—127)



1. A multi-ply flashing structure adapted to be embedded in a mortar seam and comprising three plies, the inner one being substantially impermeable, non-corrodible sheet metal and the outer ones being waterproofed fibrous sheet material bonded facially to the surfaces of said inner ply and presenting in their fibrous texture a multiplicity of exposed recesses into which the mortar of a seam may enter in substantial amount and harden to lock said structure in such seam.

2,005,222

HEADER SLIDE

William W. Criley, Cleveland, Ohio

Application May 3, 1932, Serial No. 608,910

4 Claims. (Cl. 78—17)



1. In a forging machine, side guides therein, a header slide movable within said side guides and having a transversely disposed operating crankshaft connected thereto by a pitman and a wrist pin, the center of said wrist pin being below the center of the crankshaft, a tool on the front of said slide in advance of and below the level of said wrist pin, an extension arm rearwardly disposed on said slide and carrying at its rear end a bearing, guiding means for said bearing entirely within the machine frame, all forces acting within lines of motion established by said side guides projected.

2,005,223

MANUFACTURE OF CELLULOSE ESTERS

Henry Dreyfus, London, England

No Drawing. Application March 18, 1933, Serial No. 661,568. In Great Britain April 5, 1932

22 Claims. (Cl. 260—101)

1. The manufacture of organic esters of cellulose, comprising esterifying cellulosic material in the presence of a hydrohalide acid and a hydrohalide of a nitrogen containing base.

2,005,224

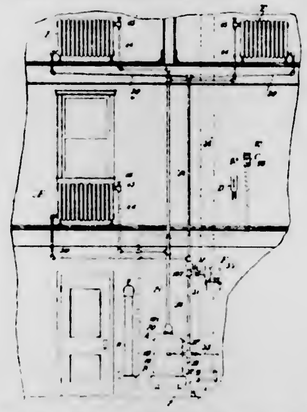
HEATING APPARATUS

Clayton A. Dunham and Aubra R. Dunham, Glencoe, Ill., assignors to Experimental Laboratories Incorporated, Chicago, Ill., a corporation of Illinois

Application July 7, 1930, Serial No. 466,002

8 Claims. (Cl. 237—2)

1. A heating apparatus comprising a generator for a mixed fluid heating medium consisting of products of combustion and steam, said generator comprising a burner and a valve for controlling the supply of fuel to the burner, a radiating system comprising a plurality of separate radiators, an exhausting mechanism connected with all of the radiators for withdrawing gaseous products therefrom and creating a subatmospheric pressure therein and in the generator, conduits for the heating medium leading from the generator to the radiators, and thermostatic means for controlling the valve so as to



decrease the fuel supply to the burner when the temperature of the gases exhausted from the radiating system exceeds a predetermined maximum.

2,005,225

DISK HARROW WITH RIGHT AND LEFT TURNING MECHANISM

Samuel S. Furrer, Oxnard, Calif., assignor to Brenneis Manufacturing Company Inc., Oxnard, Calif., a corporation of California

Application August 7, 1934, Serial No. 738,773

16 Claims. (Cl. 55—83)



1. A harrow of the character described, including: a leading section and a following section pivotally connected so as to be swung from closed to angled relation; pulling means connected to said leading section for attaching the harrow to a pulling device; angling means connecting said pulling means to said following section and operating in response to a pulling force in said pulling means to positively swing said following section toward angled position; collapsible means for limiting the angling movement of said following section to angled relation relative to said leading section, said collapsible means comprising a chain which folds when said sections move toward closed relation and extends when said sections move toward angled relation; and means connecting said following section to said pulling device and moving said following section toward closed relation to said leading section when said pulling device turns rightward relative to said harrow.

2,005,226

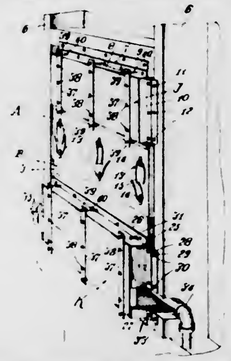
CONCEALED RADIATOR

Lawrence P. Dwyer, Winnetka, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa

Application June 12, 1931, Serial No. 543,871

4 Claims. (Cl. 237—79)

1. A metallic casing for enclosing a concealed radiator, said casing being adapted to be positioned within a building wall and provided in its front face wth a lower inlet opening and an upper outlet opening, the casing comprising a plurality



of telescoping sections, and wires secured to the front wall of the casing and adapted to be engaged with the lathing of the building structure and embedded within the plaster wall.

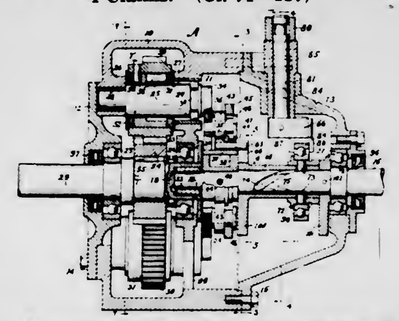
2,005,227

VARIABLE SPEED TRANSMISSION

James P. Johnson, Shaker Heights, Ohio

Application November 25, 1932, Serial No. 644,170

4 Claims. (Cl. 74—117)



1. A power transmission comprising a drive shaft, a driven shaft, a plurality of crank shafts spaced about the axis of one of said shafts, an eccentric carried by said drive shaft, crank arms on said crank shafts, crank pins on said crank arms, rollers rotatably mounted antifrictionally on said crank pins and adapted for rolling engagement with said eccentric, a ring engageable with said crank pins for maintaining said rollers in engagement with said eccentric, and one-way driving clutches between said crank shafts and said driven shaft.

2,005,228

TORSION SET ROTARY JAR

James Allen Kammerdiner, Los Angeles, Calif.

Application October 29, 1932, Serial No. 640,139

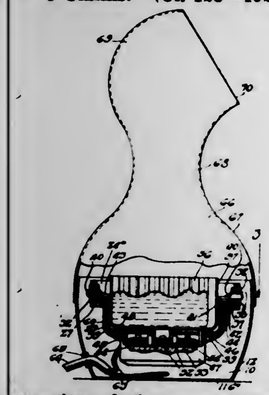
7 Claims. (Cl. 255—27)

1. A rotary jar consisting of two sections related for limited longitudinal movement, jarring means to arrest longitudinal movement of said sections at one end of the longitudinal travel thereof to effect a jarring action, trip means to interlock said sections at the other end of their longitudinal travel and enable angular movement, said trip means including an inclined engaging surface on one of said sections and a roller journaled on the other section disposed to be abutted

therewith in one angular position and thereby restrain longitudinal movement of said sections, said inclined engaging surface being of sufficient pitch for a predetermined longitudinal stress to cause said roller to ride over said surface to another angular position free of said surface for longitudinal movement of said sections to jarring position, said trip means being maintainable in interlocking relation by a torsional stress against the action of a longitudinal stress exerted upon said sections.



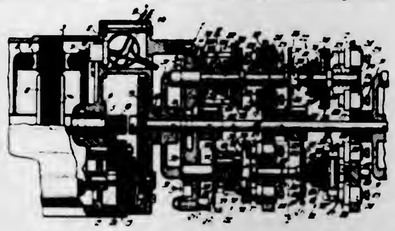
2,005,229
VAPORIZER
Clarence J. Loos and Louis J. Miller, Chicago, Ill.
Application January 29, 1932, Serial No. 589,580
5 Claims. (Cl. 128—192)



1. A vaporizer device comprising a housing, a pan movably disposed therein, and a heating element movable with said pan and a hood removably connected to said housing and extending below the plane of the top of said pan.

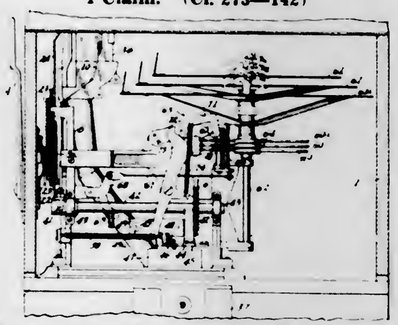
2,005,230
ELECTRIC CIRCUIT CONTROLLER FOR ELECTRIC SIGN FLASHERS, SIGNALING DEVICES, AND SIMILAR MECHANISMS
William L. Laib, Oak Park, Ill., assignor to Reynolds Electric Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1928, Serial No. 308,060
8 Claims. (Cl. 200—27)

1. A switch mechanism, comprising a series of contact members arranged in groups and individualized to electrical circuits, companion contact elements for cooperating with said contact members to control the respective electrical circuits, connecting means mechanically connecting the contact elements of each group for si-



multaneous action, means including a Geneva movement mechanism for successively actuating the groups of the series, and devices associated with said last mentioned means for effecting sliding engagement between the contact members and contact elements.

2,005,231
AMUSEMENT APPARATUS
Jerry F. Macourek, Columbus, Ohio, assignor to Gustavus W. Snyder, Columbus, Ohio
Application July 21, 1934, Serial No. 736,382
1 Claim. (Cl. 273—142)

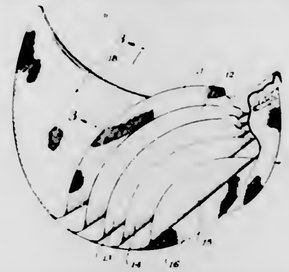


In a combined coin controlled vending and amusement furnishing apparatus, a cabinet having a sight opening formed therein, a plurality of spinners mounted for rotation about a substantially vertically disposed axis arranged within said cabinet, each of said spinners possessing a different diameter than the diameters of the remaining spinners, circularly arranged relatively spaced game figures carried by the outer peripheral portions of said spinners and disposed in angularly offset relationship with respect to each other, means for imparting simultaneous rotation to said spinners, and automatic means for selectively arresting the rotation of said spinners in varying sequences.

2,005,232
DRESS SHIELD
Harry V. Marsh, Chicago, Ill.
Application July 27, 1934, Serial No. 737,171
4 Claims. (Cl. 2—53)

1. As a new article of manufacture, an underarm dress shield comprising two members each having a free edge and an edge secured to the other of said members; said members being normally collapsed into parallelism with each other but being spreadable apart along their free edges

when in use; each of said members including a porous fabric outer casing having arranged therein a layer of absorbent cellulose treated with a deodorant substance and a sheet of material impervious or resistant to perspiration; the said sheet in each of said members being arranged between the said absorbent cellulose layer thereof and the other of said members so that when the dress shield is in use perspiration may readily



pass through the porous fabric outer casings into the absorbent cellulose layers so as to be absorbed by the latter and prevented from coming into contact with the garments of the wearer, while at the same time said members will conform to the curvature of the armpit and cling to the body of the wearer as soon as they become moist from perspiration when in use, whereby the said dress shield when in use will support itself in position without external support.

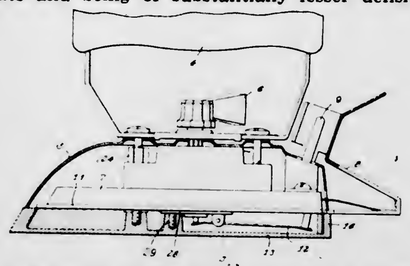
2,005,233
CIGARETTE HOLDER
Clarence L. Martin, Hazardville, Conn.
Application April 3, 1934, Serial No. 718,811
6 Claims. (Cl. 131—51)



2. A cigarette holder comprising—in combination, a bit member formed with an opening therethrough and a recess portion in line with the opening, an open-ended capsule in the recess for receiving a flavoring substance, a slotted sleeve on the bit member to permit the capsule to be inserted, removed, or confined therein, the bit member having a recess with an inclined wall for receiving and retaining an end of a cigarette therein, and means actuated by the slotted sleeve for ejecting the stub portion of a consumed cigarette.

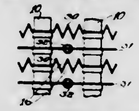
2,005,234
SADIRON SOLE PLATE
Michael W. McArdle, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1933, Serial No. 688,707
6 Claims. (Cl. 68—26)

1. A composite sole plate for light weight sadirons comprising a shell of hard metal adapted to withstand rough usage having upstanding marginal edges defining the working surface of the iron and forming a top cavity and a cast metal filler having the properties of a body cast into said cavity filling the cavity to substantially the plane of the upper edge thereof, the metal of the filler forming the main body of the sole plate and being of substantially lesser density



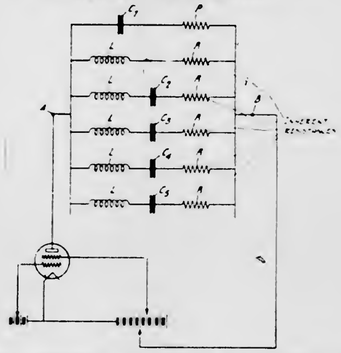
and of greater coefficient of expansion than the metal of the shell.

2,005,235
RADIATOR STRUCTURE
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application July 22, 1931, Serial No. 552,362
1 Claim. (Cl. 257—130)



A radiator core comprising a plurality of tubes and transverse fins mounted upon said tubes, certain of said fins having transverse corrugations formed therein between the tubes, in combination with fins having flat non-corrugated surfaces on opposite sides thereof arranged intermediate said corrugated fins, said flat fins having apertures therein, and means at said apertures adapted to engage and direct a part of the air passing through the radiator through said apertures and toward an adjacent fin.

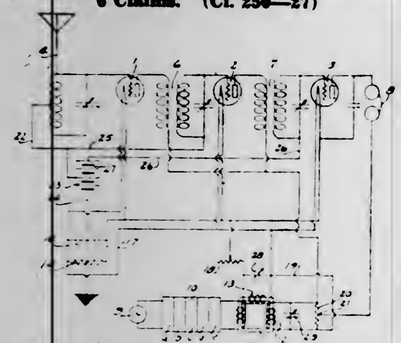
2,005,236
STABILIZING THE FREQUENCY OF A VALVE GENERATOR
Eric Balliol Moullin, Oxford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 4, 1933, Serial No. 692,067
In Great Britain April 12, 1932
3 Claims. (Cl. 250—36)



1. An oscillation generation circuit comprising an electron discharge device having an electrical

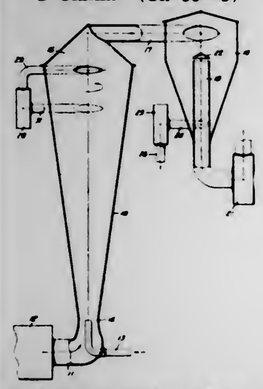
network in the path traversed by the oscillatory energy, said network comprising an inductive branch, a capacitive branch in parallel with said inductive branch and a plurality of series resonant branches resonant to harmonics directly in shunt with said inductive and capacitive branches, said network being anti-resonant to the fundamental frequency but series resonant to said harmonics.

2,005,237
OPERATION OF THERMIONIC TUBES
Fred A. Parsons, Milwaukee, Wis.
Application February 2, 1929, Serial No. 336,945
6 Claims. (Cl. 250—27)



1. The method of operating a thermionic tube in a cascade amplifier having successive circuits tuned to pass the same frequency, which method consists in intermittently applying to the elements of the tube potentials tending to cause tube operation at efficiency so high as to tend to result in oscillation, and varying such potential intermittently upon one element of the tube at such intervals as to prevent oscillation.

2,005,238
METHOD OF MANUFACTURING DRIED FOOD PRODUCTS
David D. Peebles, Eureka, Calif.
Application January 6, 1932, Serial No. 584,914
1 Claim. (Cl. 99—5)



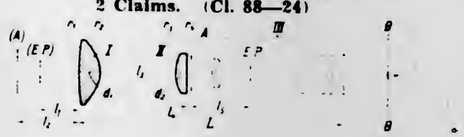
In a method for producing a dried food product from materials like tubers, the steps of shredding the fresh tubers to form shreds having a paper-like thinness, introducing the fresh shreds into the lower portion of a treatment chamber, effecting suspension of the shreds within the treatment chamber in an upwardly-moving expanding column of drying gas, the gas being of gradually diminishing velocity, removing the desiccated shreds from the upper portion of the chamber together with the drying gas, and then separating the shreds from the gas.

2,005,239
GUY ANCHOR
Chester R. Pieper, La Crosse, Wis.
Application November 17, 1930, Serial No. 496,271
3 Claims. (Cl. 189—92)



3. In an earth anchor of the type having blades adapted to slide edgewise into position by a substantially arcuate movement guided by the earth into which they enter, a blade having side edge portions inclined outwardly and downwardly and a central portion cupped to be concave upwardly.

2,005,240
OPTICAL SYSTEM FOR INSTRUMENTS REPRODUCING SOUNDS WITH THE AID OF LIGHT
Robert Richter, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application August 2, 1934, Serial No. 738,080
In Germany August 7, 1933
2 Claims. (Cl. 88—24)



$r_1 = 59.1$ $d_1 = 5.5$ $l_1 = 9.9$
$r_2 = 8.5$ $l_3 = 29.1$ $l_2 = 15.9$
$r_3 = 10.7$ $d_2 = 2.8$ $l_4 = 1.0$
$r_4 = \infty$ $l_5 = 15.3$
$L = 87.6$

	I	II
n_d =	1.6396	1.5163
ν =	49.3	64.0

1. An optical system for instruments reproducing sounds with the aid of light, comprising a condenser, a slit and an objective, the planes conjugate to the slit and the entrance pupil of the objective relatively to the condenser being at the further side of the condenser and lying at a distance of at least 5 millimetres from the extreme lens apex of this condenser, the slit image projected by the condenser having a length of at most 10 millimetres, and the image of the entrance pupil of the objective, which is projected by the condenser, having a diameter of at most 2 millimetres.

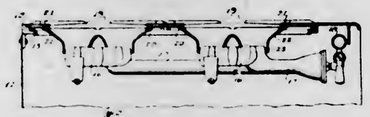
2,005,241
GAME PRACTICE MEANS
Carl I. Robinson, Chicago, Ill.
Application October 15, 1932, Serial No. 638,020
5 Claims. (Cl. 273—29)

1. Tennis practice means comprising a vertical ball returning surface corresponding in position to the plane of a tennis net and against which a ball may be projected, said surface having vertical boundary markings thereon for indicating the side limits of an imaginary full size conventional tennis court beyond said surface, a foreground upon which said ball rebounds from said vertical surface, and boundary markings on said fore-



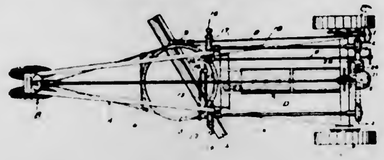
ground foreshortened with respect to relative markings of a full size court to compensate for the reduced flight of a rebounding ball for indicating the position where said ball would have alighted with respect to prescribed limits in actual play.

2,005,242
GAS STOVE
John C. Rogers, Cicero, Ill., assignor to Crown Stove Works, Cicero, Ill., a corporation of Illinois
Application August 14, 1933, Serial No. 684,997
1 Claim. (Cl. 126—39)



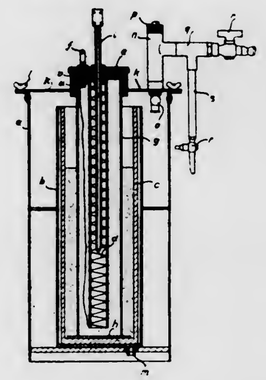
In a multiple burner gas stove, the combination with a top frame formed with an internal countersunk marginal ledge, and burners located below said frame, of a plurality of removable burner top plates seated on said ledge in edge-to-edge contact and equipped with aligned grate bars, each of said burner top plates and its grate bars having openings therethrough directly over a corresponding number of burners and of greater diameter than said burners, integral imperforate upwardly flaring flame guards continuous with and depending from the margins of said openings respectively and formed with cylindrical lower open end portions encircling said burners with unobstructed clearance for the flow of secondary air, and removable burner grates seated in the upper ends of said flame guards.

2,005,243
POWER OPERATED CONTROL MECHANISM
Adolph Ronning, Minneapolis, Minn.
Original application August 11, 1928, Serial No. 298,926. Divided and this application October 14, 1932, Serial No. 637,745
17 Claims. (Cl. 37—156)



1. A mechanism for adjusting vertical and angular positions of an implement carried by a travelling machine frame, comprising a pair of movable support members connecting the implement with the frame, a continuously rotatable power driven shaft, a single manually operative control element, and operative connections between said element, shaft and support members capable of translating selected movements of the control element under power from the shaft to either or both of said support members.

2,005,244
VAPORIZER
Wilhelm Schmidt, Berlin, Germany
Application January 31, 1934, Serial No. 709,124
4 Claims. (Cl. 128—192)



1. A vaporizer comprising in combination a brass container tin plated on its inner side, a second brass container tin plated on its inner and outer sides inserted in said first mentioned brass container, a cylinder made of refractory glass open at the top to communicate with said first mentioned container inserted in said second container and adapted to receive a mixture of chemicals, a copper cylinder in said glass cylinder and projecting above the upper end of said first mentioned container, a lid securely fixed on the upper end of said first mentioned container and having a central aperture surrounding the upper end of said copper cylinder and a lateral aperture, a tube fitting tightly in said central aperture forming a tight closure between said lid and said copper cylinder, said tube having an external screw thread at its upper end, a cap fixed on the upper end of said copper cylinder and having an internal screw thread adapted to engage the screw thread on said tube to form a tight closure between said copper cylinder and said lid, a heating element fixed in said cap and extending into said copper cylinder to heat and vaporize the chemicals in said glass cylinder, discharging means fitted in the lateral aperture in said lid and adapted to conduct the vapors from said first mentioned container, and a branch tube leading from said means adapted to draw off the condensed water from the vapors passing through said means.

2,005,245
PACKAGED CONFECTION
Russell Stover, Kansas City, Mo.
Application May 28, 1934, Serial No. 727,909
3 Claims. (Cl. 206—56)

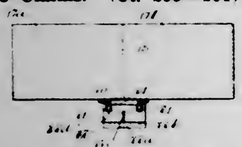
1. A package comprising a receptacle, a minor quantity of confectionery topping in the bottom of said receptacle and a major quantity of frozen

comestible superposed upon said topping, said topping having such a low freezing point that



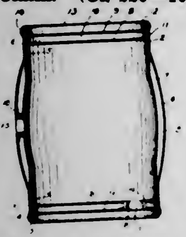
it will remain flowable during normal temperatures of storage and dispensing of the package.

2,005,246
SHOWER BATH STRUCTURE
John A. Stuntebeck, St. Gregor, Saskatchewan, Canada, assignor to Alois J. Stuntebeck, St. Gregor, Saskatchewan, Canada
Application June 23, 1932, Serial No. 618,912
3 Claims. (Cl. 299—101)



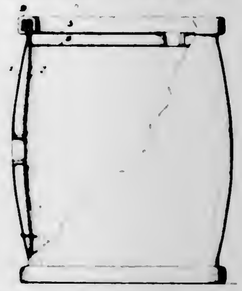
1. In a portable shower bath device, two sources of liquid supply, a valved discharge for each of said sources, each of said discharges being adapted to discharge a free stream of liquid, and a mixing chamber having an upper end open to the air and located below said discharges to receive the free streams of liquid emerging from both of said discharges, the lower portion of said chamber having apertures therein through which received liquids may be distributed.

2,005,247
INSULATED METALLIC CONTAINER
Edward D. Thompson, Warren, Ohio, assignor to The Stevens Metal Products Company, Niles, Ohio, a corporation of Ohio
Application May 24, 1933, Serial No. 672,708
1 Claim. (Cl. 220—10)



A bilged metal drum of the insulated type comprising an outer shell bilged intermediate its ends and terminating at its ends in extended cylindrical walls parallel to its axis, a chime ring fitted externally to each of said walls and adjacent the outer edges thereof to provide intervening cylindrical wall portions between said rings and said bilged portion, an inner shell having cylindrical walls constituting the greater portion of its length and a substantially central bilged portion, the end walls of said outer and inner shells being closely fitted together and terminating in substantially the same transverse plane, end closures for said inner shell, said end closures each comprising a pair of spaced covers each having vertically extending cylindrical flanges adapted to fit snugly within the respective cylindrical ends of said inner shell, and each terminating in the said transverse plane of the end walls of said outer and inner shells, and a common bond for the respective end walls of said shells and said flanges whereby said bonded shells and covers form heavily reinforced end structures for said drum.

2,005,248
METALLIC RECEPTACLE
Edward D. Thompson, Warren, Ohio, assignor to The Stevens Metal Products Company, Niles, Ohio, a corporation of Ohio
Application September 5, 1933, Serial No. 688,107
2 Claims. (Cl. 220—10)



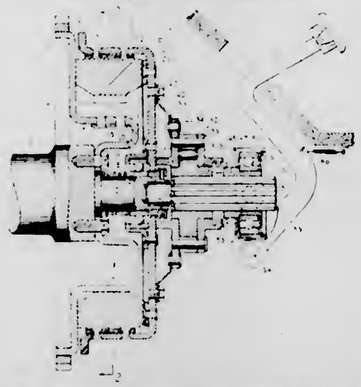
2. A metallic receptacle comprising a body, an end closure for said body, said body comprising an inner shell and an outer shell spaced apart from the greater portion of their length and welded together circumferentially near their terminal ends, the end of said inner shell extending beyond said outer shell end, said end closure having a flange extending beyond said inner shell flange when the closure is in position to close the receptacle open end, said inner shell end and said cover flange being rolled outwardly over the peripheral edge of said outer shell end to form a double seam at the end of the receptacle.

2,005,249
EXHAUST GAS PURIFIER
Chester Tietig, Los Angeles, Calif.
Application February 4, 1930, Serial No. 425,911
4 Claims. (Cl. 60—30)



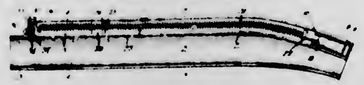
1. An exhaust gas purifier comprising a Venturi tube having an internal constricted throat, said Venturi tube being adapted to be interposed within and constitute a part of the exhaust-gas line of an internal combustion engine, and an open-ended air tube passing through the wall of the Venturi tube and having one of its ends disposed in proximity to the outer surface of the Venturi tube and its other end communicating with the Venturi tube rearwardly of its throat at the outlet side thereof.

2,005,250
DRIVING MECHANISM AND CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application February 4, 1931, Serial No. 513,327
14 Claims. (Cl. 192—48)



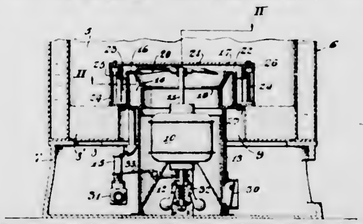
1. The combination of the crank-shaft or the like of an engine, a driving clutch member on the shaft rotating therewith, a driven clutch member journaled on the shaft, centrifugally controlled means carried by the first clutch member adapted to engage the driven clutch member upon adequate R. P. M. of the shaft, a driven shaft, means connecting the driven clutch member and driven shaft, an overrunning clutch in said means, and control means for locking out the overrunning clutch and for effecting driving engagement between the first mentioned clutch members whereby driving effort may be transmitted from the driven shaft to the engine shaft.

2,005,251
LIGHT FOR GASOLINE DISPENSING NOZZLES
Straud K. Wood, Ben L. Eales, and Leo V. De Witt, Hutchinson, Kans.
Application October 16, 1933, Serial No. 693,770
1 Claim. (Cl. 240—6.4)



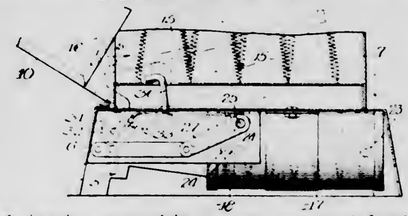
In a gasoline discharge appliance, a tube for the flow of gasoline, a second tube extending longitudinally of and in fixed relation and exterior to the first tube, a lens closing and sealed in the front end of the second tube, a battery and an incandescent lamp within the second tube, a housing for the lamp, a permanent and a normally broken conductor between the battery and lamp and extending longitudinally through the second tube, a plug abutting the rear end of the said housing and holding portions of said conductors spaced apart, a spring within the second tube and applying forward pressure on the plug to hold the housing adjacent the lens, and a fluid conductor switch within the lamp to complete the broken conductor by gravitative action, when the appliance is held in a downwardly and forwardly inclined position.

2,005,252
GAS BURNING APPARATUS
Nelson T. Branche, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application February 29, 1932, Serial No. 595,712
10 Claims. (Cl. 158—109)



9. In a gas burner, the combination of a fan for producing a blast of air, means for directing said blast radially outwardly from the axis of the fan, means in the path of said blast for discharging gas into said blast to form a combustible mixture, and means surrounding said means in spaced relation to form a baffle against which said mixture impinges.

2,005,253
TOASTER
August J. Braun, Chicago, Ill.
Application January 20, 1934, Serial No. 707,443
1 Claim. (Cl. 161—16)

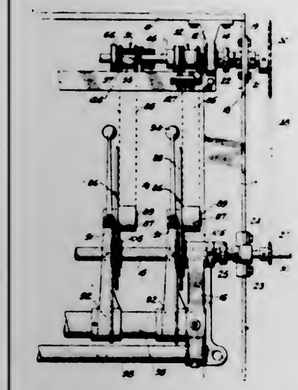


A toaster comprising a compartment having a pivoted closure, heating elements arranged in spaced relation within said compartment, bread holding elements spaced to enter between said heating elements secured to said pivoted closure, means for opening said pivoted closure comprising a rotatable shaft, a handle for rotating said shaft, a crank arm fixedly carried by said shaft, a link pivoted to said crank arm, a guide for said link, a cylinder, a piston therein, a spring for urging said piston in one direction, a valve for admitting air to said cylinder to control the action of said spring, said cylinder having an aperture to release the control of said spring adjacent one end of the movement of said piston, a piston rod bent at right angles and having the right angled end thereof secured to the guided end of said link, and means operable by the bent end of said piston rod for moving said closure into open position.

2,005,254
FILM TAKE-UP MECHANISM
Bruce Burns, Los Angeles, Calif., assignor, by mesne assignments, to Hughes Industries Co., Ltd., Los Angeles, Calif., a corporation of Delaware
Application April 25, 1931, Serial No. 532,806
9 Claims. (Cl. 271—2.3)
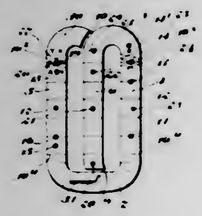
1. Take-up mechanism of the character described, including: a shaft; a body fixed to said shaft; a sleeve rotatably mounted on said shaft

adjacent said body; spring means surrounding said shaft for frictionally engaging said sleeve with said body fixed to said shaft; a film engag-



ing member rotatably mounted on said sleeve; and a clutch member axially slidable on said sleeve for drivably connecting said sleeve and said film engaging member.

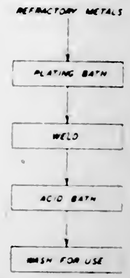
2,005,255
LETTER OUTLINING TEMPLET
Herbert De Oslund, Minneapolis, Minn.
Application February 9, 1933, Serial No. 655,873
3 Claims. (Cl. 33—174)



1. A letter or character outlining templet comprising outer and intermediate substantially straight and parallel arms, said outer arms being connected at one end by a main elbow, and one of said outer arms and the intermediate arm being connected at one end by a smaller elbow, the other end of said intermediate arm being spaced from said main elbow to afford a narrow marker passage, the free end of the other outer arm being curved and terminated close to but spaced from said smaller elbow to afford a marker passage, all edges of said three arms being parallel.

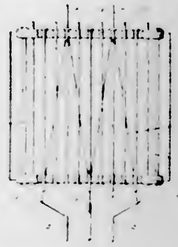
2,005,256
METHOD OF SPOT WELDING REFRACTORY METALS
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application January 2, 1934, Serial No. 704,895
6 Claims. (Cl. 219—10)

6. The method of joining tungsten, tantalum or similar wires which comprises separating said wires by a layer of nickel having a volume sufficiently small to leave no unalloyed remainder at



the point of fusion, and spot welding said wires through said layer.

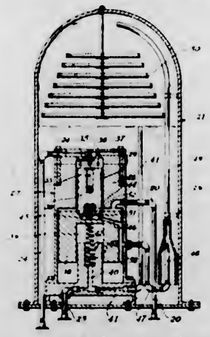
2,005,257
VACUUM TUBE GRID
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application April 26, 1933, Serial No. 668,072
2 Claims. (Cl. 250—27.5)



2. In combination a vacuum tube comprising an envelope, a cathode lying in a plane, a plurality of vertical wires surrounding said cathode and arranged to form a grid of substantially rectangular cross section, upper and lower conductive supports for said wires said supports having a series of apertures therein, the vertical wires located at the narrow edges of said grid being solidly fastened to both of said supports and the wires located in the broad surfaces of said grid parallel to the plane of said cathode being solidly fastened at one end to one of said supports only, the other end being free to expand through an aperture in the other support.

2,005,258
REFRIGERATION
Andrew Flukes, Chicago, Ill., assignor of one-third to Elmer L. Ballew, and one-third to Marty Bloom, Chicago, Ill.
Application February 8, 1934, Serial No. 710,201
10 Claims. (Cl. 62—5)

4. In refrigerating apparatus, the combination of: a generator; an absorber; an evaporator; means for circulating the relatively strong refrigerant liquor from the absorber to the generator; said circulating means including a valve coacting therewith to combine upon said circulating means the effective pressure of the relatively weak refrigerant liquor entering the absorber from the generator with the pressure of the refrigerant gas entering the absorber from the evaporator, so as to render both of said pressures, when combined, effective to operate said



circulating means and thereby circulate the relatively strong refrigerant liquor from the absorber back into the generator.

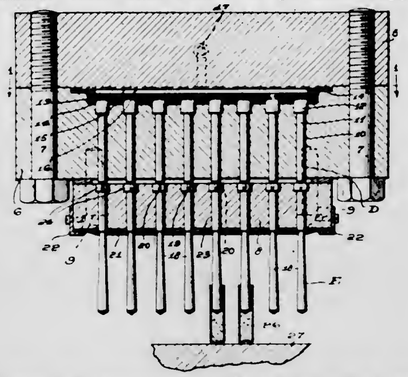
2,005,259
OIL SAVER
William R. Guiberson, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application August 28, 1933, Serial No. 687,133
2 Claims. (Cl. 286—16)



1. An oil saver comprising, a housing having a vertical passage therethrough for receiving a reciprocating element and also having a transverse packing chamber, the chamber of the housing being lined with soft metal to provide smooth working surfaces, elastic packing blocks slidable on the smooth working surfaces of the chamber arranged for engagement with a reciprocating element passing through the housing, followers attached to the blocks, a pair of rods slidable on the outer sides of the housing, each rod having one end attached to one of the followers and slidably connected with the other follower, a crosshead connecting the other ends of the rods, and an adjusting screw threaded through the crosshead and rotatably attached to the follower with which the rods are slidably connected.

2,005,260
PRESS MECHANISM
Daniel D. Huyett, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application December 30, 1932, Serial No. 649,622
14 Claims. (Cl. 86—20)

7. A machine for applying a uniform pressure simultaneously to the contents of a group of containers comprising in combination, a reciprocatory structure having a pressure chamber formed therein, one side of which pressure chamber consists of a diaphragm, a plurality of press points or punches associated with and carried bodily by said reciprocatory member, means for supporting a group of containers in alignment with the press points, said press points being adapted to enter and press the contents of the containers, a source of positive pressure supply, means for admitting pressure fluid to the said chamber from said source of pressure supply



during the reciprocation of said structure, and means for transmitting the pressure of the diaphragm as determined by the pressure fluid, simultaneously to all of the press points.

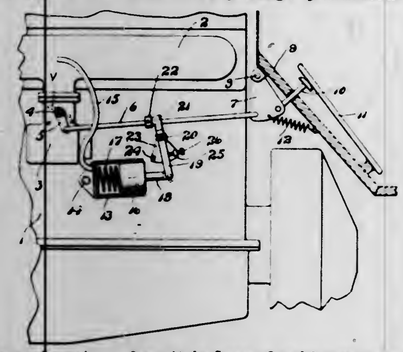
2,005,261
RIVETING MACHINE
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application May 24, 1933, Serial No. 672,564
15 Claims. (Cl. 78—48)

1. In a riveting machine, a support for a structure having a series of rods projecting beyond one end thereof, a riveting roller having recesses extending along its path of rotation to receive in order the projecting ends of said rods and upset the same, a support for said roller, means for imparting movement to one of said supports to cause the recesses of said roller to successively engage the ends of the rods, and means for exerting pressure on said rods during the movement of said movable support.

2,005,262
THROTTLE CONTROL MECHANISM
Frank E. Liverance, Jr., Grandville, Mich.
Application January 24, 1935, Serial No. 3,351
10 Claims. (Cl. 123—103)

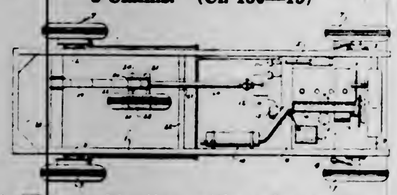
1. In an internal combustion engine provided with a carburetor having a throttle means for controlling the volume of fuel mixture passing

through the carburetor to the engine, of yielding means acting on said throttle when the engine is at rest, to open the same to a predetermined position to permit a greater passage of fuel mixture than the minimum passage permitted by



the carburetor when it is free of said means, and means actuated by air pressure provided through suction of the engine when it is running for releasing said throttle opening means, as and for the purposes specified.

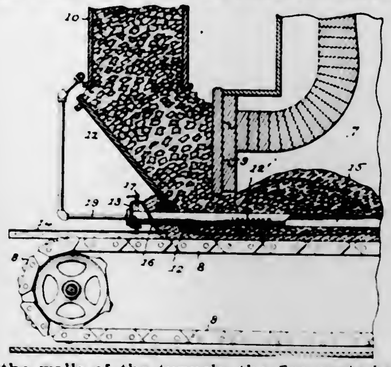
2,005,263
MOTOR VEHICLE DRIVE
Charles M. McLanahan, Detroit, Mich.
Application March 20, 1933, Serial No. 661,675
5 Claims. (Cl. 180—15)



1. The combination with a frame supported upon wheels, of an engine carried by said frame, a propeller shaft, means for connecting said propeller shaft to said engine, drive members mounted on the free end of said propeller shaft, a wheel carried by said drive members, guide means mounted in said frame and receiving said propeller shaft for preventing side sway of said propeller shaft, said means being located remote from said drive members and remote from said wheel and means for holding said wheel in contact with a road surface, said last named means being arranged to engage said drive members remote from said wheel.

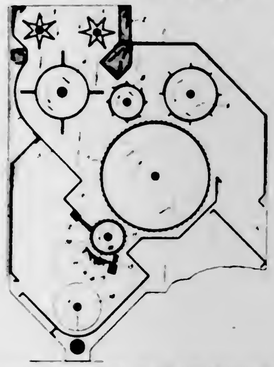
2,005,264
BOILER AND LIKE FURNACES
Edward M. McNamara, Chicago, Ill.
Application March 23, 1932, Serial No. 600,650
4 Claims. (Cl. 110—40)

1. The combination in a furnace provided with a combustion chamber, a rearwardly fuel feeding fire grate at the bottom of said chamber, means for feeding crushed fuel to the forward end of said grate, a plurality of air inlet tubes open at both ends and extending through the front wall of said chamber a distance above the fire grate and a distance inwardly from said wall in a position to be wholly enveloped in the entering fuel, the tubes so arranged constituting cores in forming longitudinal air tunnels in the mass of fuel in its progressive movement to the rear of the combustion chamber and with said tubes adapted to supply air for local combustion



of the walls of the tunnels, the fire grate being of an endless chain formation.

2,005,265
COTTON CLEANING AND RECLAIMING MACHINE
John E. Mitchell, Dallas, Tex.
Application May 19, 1933, Serial No. 671,797
1 Claim. (Cl. 19—37)

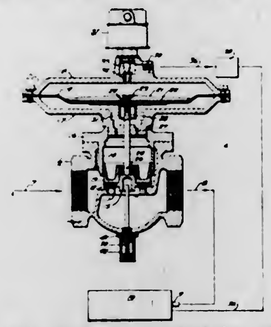


In a cotton cleaning and reclaiming machine having a main cotton extracting saw cylinder and providing a discharge opening past the cylinder for the escape of hulls, and small lock cotton not engaged by the saws, a reclaiming saw cylinder positioned below said opening, a yielding member cooperating with said reclaiming saw cylinder and a curved rigid member substantially concentric with the periphery of said reclaiming saw cylinder and one side of which forms with said yielding member a hull-discharge gap for said reclaiming saw cylinder, means for circumferentially adjusting said curved member relative to said yielding member to vary the size of said discharge gap, and means for doffing cotton from said reclaiming saw cylinder.

2,005,266
SLOW-OPENING VALVE
William A. Ray, San Francisco, Calif., assignor to General Controls Co., a corporation of California
Application November 13, 1933, Serial No. 697,797
4 Claims. (Cl. 137—139)

1. A device of the character described comprising a valve body including a valve seat and a

cylinder in said body, a piston fitting loosely in said cylinder and carrying a valve member cooperating with said seat, a diaphragm chamber mounted on said body and including a flexible member, a member connecting said flexible mem-



ber and said piston, a conduit for passing fluid leaking past said piston to one side of said flexible member in said chamber, and a passage to the other side of said flexible member in said diaphragm chamber.

2,005,267
PIPE FLANGE CONNECTION
Christian Rehder, Kiel-Gaarden, Germany
Application February 16, 1933, Serial No. 657,010
In Germany September 29, 1932
2 Claims. (Cl. 285—137)



1. A pipe flange connection, comprising in combination a pipe and a flange having a neck with a central bore and an annular groove cut in said neck around and separate from said bore and at an incline to the axis thereof so that the inner wall of said groove together with its extension form a cone standing on the neck of said flange, said annular groove adapted to accommodate the end of said pipe, and a bead-like projection on the wall of said bore intermediate its length adapted to be rolled to the internal diameter of said tube after the end of said tube has been pressed into said annular groove.

2,005,268
TREATMENT OF FLOUR
Rudolf Rüter, Cologne-Deutz, Germany
No Drawing. Application January 23, 1934, Serial No. 708,000. In Great Britain October 19, 1933
13 Claims. (Cl. 99—10)

1. The process for improving the baking quality of flour which consists in the addition to flour of substances from the homologous series CH_3, C_2H_5, C_3H_7, C_4H_9 combined with chlorinated nitrogen.

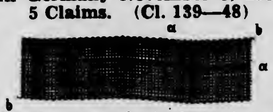
2,005,269
CLUTCH OPERATING MECHANISM
Heinrich Schildknecht, Gaggenau, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a German company
Application April 5, 1933, Serial No. 664,624
In Germany April 9, 1932
4 Claims. (Cl. 192—99)

1. A clutch operating mechanism for power driven vehicles comprising in combination a clutch casing, a clutch pedal pivoted on the side of said casing, a clutch lever pivotally mounted on the outside of the clutch casing at the side of said clutch pedal with its pivotal-axis vertical, said clutch lever having an arm formed to engage clutch operating means inside the casing



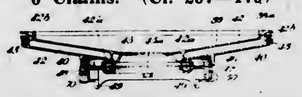
and the clutch casing having an opening therein through which said arm extends from the outside into the interior of the clutch casing, and a connecting rod operatively connected to the clutch pedal and clutch lever for turning said lever about the said vertical axis on the clutch pedal being actuated.

2,005,270
PROCESS AND APPARATUS FOR THE MANUFACTURE OF WIRE GAUZE
Karl Schmid, Reutlingen, Germany, assignor to firm Vereinigte Metalltuch-Fabriken Peter Villforth, Reutlingen, Germany
Application November 3, 1932, Serial No. 641,082
In Germany November 5, 1931
5 Claims. (Cl. 139—48)



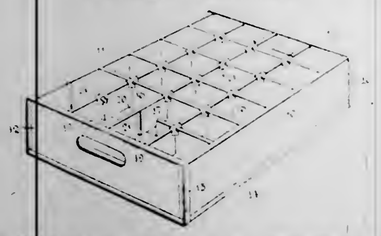
1. A loom for manufacturing wire gauze with warp wires that extend slightly zigzag in the direction of the run of the gauze, comprising a reciprocating sley, a reed displaceable across the sley in either direction, means for slidably guiding the reed in the sley in the direction of the weft, the reed being adapted to hold all the warp wires in the act of beating up the filling in a parallel position deviating at a slight angle from the reciprocating direction of the sley, a mechanism operatively connected to the moveable reed and arranged to effect its lateral movement and means operated by the returning movement of the batten for actuating said mechanism.

2,005,271
COOLING SLAB FOR VISCOUS LIQUIDS
Edward Metcalfe-Shaw, Chiswick, London, England
Original application July 24, 1933, Serial No. 682,033. Divided and this application June 7, 1934, Serial No. 729,517. In Great Britain July 27, 1932
6 Claims. (Cl. 257—179)



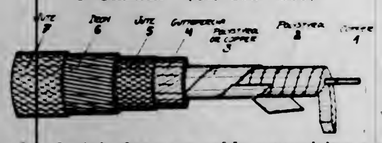
1. A cooling table for receiving boiled sugar or other viscous liquid from a machine for continuously heating such liquid, comprising a rotary water jacketed plate of shallow truncated conical form having a central discharge aperture to which the sugar or other viscous liquid is adapted to flow by gravity.

2,005,272
CRATE FASTENER
Oscar Sliger, St. Louis, Mo., assignor to The Mengel Company, Louisville, Ky., a corporation of New Jersey
Application December 20, 1934, Serial No. 758,506
6 Claims. (Cl. 217—22)



1. An anchoring element for cross partitions of crate-like structures, comprising an inverted channel-shaped body-portion; cheeks arranged in pairs at the sides of and adjacent each end of said portion; and a wing extending outwardly from the inner portion of each cheek at right angles thereto and as a continuation thereof.

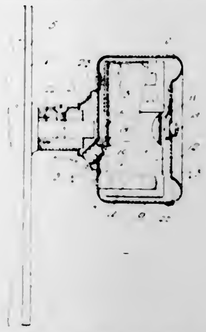
2,005,273
SUBMARINE SIGNALING CABLE
Ernst Studt, Nordenham, Germany, assignor to Norddeutsche Seekabelwerke A.-G., Nordenham, Germany
Application September 25, 1933, Serial No. 690,957
In Germany October 24, 1932
5 Claims. (Cl. 173—266)



1. An electric deep sea cable comprising a cable core consisting of an electric conductor, an insulating profiled band of polystyrol wound on the said conductor, the turns of which band winding abut against one another and a closed winding of thin bands on the said profiled band winding, a watertight sheathing around the said cable core, and an armouring around the said watertight sheathing.

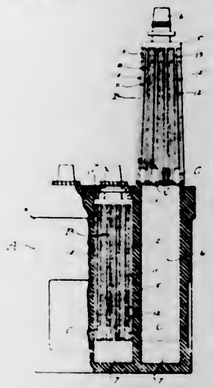
2,005,274
KEYHOLE ILLUMINATING DEVICE
George J. Taylor, Cleveland, Ohio
Application June 8, 1932, Serial No. 616,105
2 Claims. (Cl. 240—2.13)

1. An illuminating device for the keyhole of a door lock, comprising a hollow metallic door knob having a reduced attaching stem provided with a flared outer end portion, an electric lamp socket carried by and extending inwardly and downwardly from the inner side of the knob and completely housed within said flared outer end portion of the stem, said flared end portion of the stem having an opening in alinement with the lamp socket at the bottom thereof, an electric lamp threaded in said socket, an electric battery disposed in the door knob and having a rear contact engaged by the central terminal of said electric lamp, said socket being in electrical connection with the door knob, a push button at the outer side of and in electrical connection with the door knob, said push button being arranged to be pressed into engagement with the casing terminal of the battery for closing the circuit of said lamp, an insulating covering on said battery,



and spaced clips attached to the inner wall of the door knob and arranged one above the other for receiving and supporting the battery within the knob in an upright position.

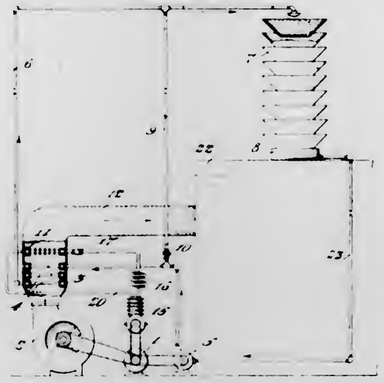
2,005,275
INSULATOR FOR STORAGE BATTERY PLATES
Thomas A. W. Thomas, Los Angeles, Calif.
Application June 16, 1933, Serial No. 676,159
2 Claims. (Cl. 136—81)



1. In a storage battery, a battery element embodying groups of interleaved plates and a separator between adjacent plates, and a hollow insulator cap of yieldable material disposed over each lower corner portion of the plates of one group with the walls thereof in surface contact with opposite faces of the plates and the confronting surfaces of like corner portions of the separators and normally spreading the lower portion of the element fan-shape.

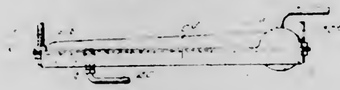
2,005,276
SYSTEM FOR CONDITIONING AIR
George P. Tidmarsh and Patrick M. Tidmarsh, Tucson, Ariz.
Application July 18, 1933, Serial No. 681,006
5 Claims. (Cl. 62—129)

1. In a system for conditioning air for buildings, a circulatory water system including means for contacting the water with the atmosphere, a heat exchange device and means for circulating the water in the system, means for impelling a stream of air through the heat exchange device into the building, and means in the air stream for reducing the temperature of part of said



stream passing from the heat exchange device to the building to below the dew point to precipitate part of the moisture content whereby the stream of air entering the building is partially dehumidified without reducing the temperature of the air flow as a whole to below its dew point.

2,005,277
EVAPORATOR
Jens Touborg and Homer E. Rosebrook, Greenville, Mich., assignors to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application October 15, 1934, Serial No. 748,386
9 Claims. (Cl. 62—126)



1. An evaporator in the form of a single substantially flat substantially horizontal shelf with means for supporting the same in a refrigerator, said means permitting raising or lowering of one edge of said shelf.

2,005,278
DISPLAY CONTAINER
Homer L. Trimble, Cleveland Heights, Ohio
Application January 28, 1933, Serial No. 654,018
13 Claims. (Cl. 206—44)



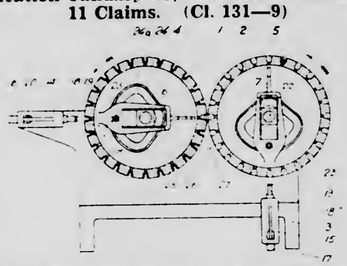
11. A display box having opposite marginal walls parted to permit its bottom to be folded upwardly so as to provide reversely inclined containers for merchandise, and lock elements interposed between the parted wall sections and movable responsive to the folding of the box into position to lock the box in folded display position.

2,005,279
ELECTRICAL CONDENSER
Willem Christiaan van Geel and Hendrik Emmens, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 29, 1931, Serial No. 547,750
In the Netherlands July 24, 1930
7 Claims. (Cl. 175—315)



3. A condenser comprising at least one rectifier cell, said cell comprising an electrode at least partly consisting of a sheet of one of the metals of the first undergroup of the fourth main group of the periodic system of the elements, and a dielectric consisting of a film of a stable chemical compound obtained by conversion of the electrode material on the surface of said electrode, and an electrolyte, having a smaller emissive power than said electrode, consisting of manganese dioxide (MnO_2) and containing as a hygroscopic substance phosphorus pentoxide (P_2O_5).

2,005,280
DEVICE FOR CONTINUOUS COMPRESSING AND DRYING OF CIGAR BUNCHES
Ernst Sigurd Detlof von Segebaden, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden
Application January 28, 1932, Serial No. 589,496
11 Claims. (Cl. 131—9)

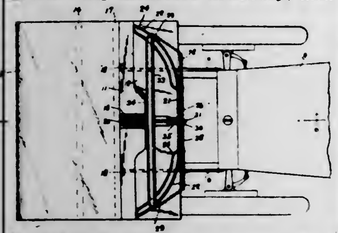


1. In a machine for forming bunches in manufacturing cigars in combination a primary movable endless carrier having pockets open at both ends, a second movable carrier having pockets, means for automatically transmitting the bunches from pockets of the primary carrier to pockets of the second carrier and means for imparting to the head of the bunches in the pockets of the second carrier a shape corresponding to that of the uncut finished cigar.

2,005,281
AUTOMOBILE SAFETY APPLIANCE
Gordon Warfield, Baltimore, Md.
Application January 16, 1935, Serial No. 2,885
3 Claims. (Cl. 293—24)

1. A safety device for automobiles comprising a base structure adapted to be attached to the front portion of an automobile, a downwardly swingable front flap on the said base structure, an upstanding rear wall on the base structure, side wings supported by said wall, spring means

for urging the wing members inwardly, and trip



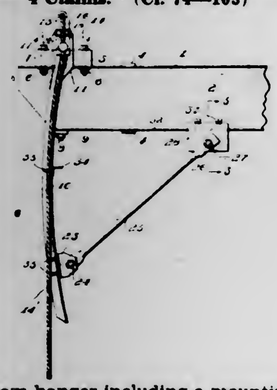
means adapted to hold the wing members apart until the trip member is struck.

2,005,282
EXHAUST BOX
Wenzel F. Weiss, San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill., a corporation of Delaware
Original application October 12, 1925, Serial No. 61,943. Divided and this application October 31, 1927, Serial No. 229,971
6 Claims. (Cl. 198—209)



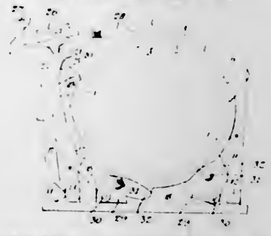
1. In an exhaust box for treating foodstuffs in open end cans, a plurality of horizontally aligned disks for supporting and moving said open end cans through said box, power means for rotating said disks, vertical shafts carrying said disks, sleeve bearings for supporting said shafts, plugs in the lower ends of said sleeve bearings for sealing the same against escape of lubricant, means for supplying lubricant to said shafts, an adjusting member on the lower ends of said shafts for aligning said shafts vertically, access to said adjusting member being possible only through removal of said plug.

2,005,283
BEAM HANGER
Henry A. Winland, Lancaster, Ohio, assignor to George H. Alten, doing business as Alten's Foundry and Machine Works, Lancaster, Ohio
Application May 7, 1934, Serial No. 724,443
4 Claims. (Cl. 74—103)



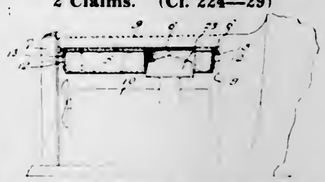
1. A beam hanger including a mounting adapted to be secured on a walking beam, a trunnion in said mounting, arcuate guide arms hung near the opposite ends of said trunnion, means secured near the lower ends of said arms and adapted to also be secured to said walking beam to position the hanger, a crown extending above said trunnion, a cable supported on said crown and extending down said arms, the lower ends of said cable adapted to be secured to a clamp, and means secured to the cable above the trunnion to prevent the entire cable from slipping from said crown should one of the bights of the cable be parted.

2,005,284
BRAKE OPERATING MECHANISM
Edward Brian Wilson, Westminster, London, England, assignor to Wilson Box (Foreign Rights) Limited, London, England
Application May 31, 1933, Serial No. 673,783
In Great Britain June 6, 1932
1 Claim. (Cl. 188—77)



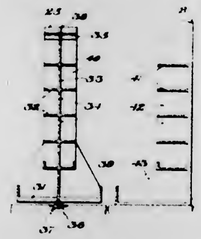
Brake operating mechanism for the reverse speed of an epicyclic change speed gear, comprising a pair of brake bands surrounding the brake drum and superimposed one upon the other, the ends of the inner band being disposed on the opposite side of the drum to those of the outer band, a link pivoted at one end to one end of the inner band and at its other end secured to the gear box, a pull rod secured to one end of the outer band, a finger secured at one end to the gear box and at its other end pivotally supporting the said pull rod, a toggle lever pivotally connected to the said finger and engaging the free end of the outer band, a strut pivotally connected to the said toggle lever and a rocking bus bar supporting the said strut.

2,005,285
TOOL AND ACCESSORY CONTAINER
Paul O. Woody, Clearfield, Utah
Application June 6, 1933, Serial No. 674,589
2 Claims. (Cl. 224—29)



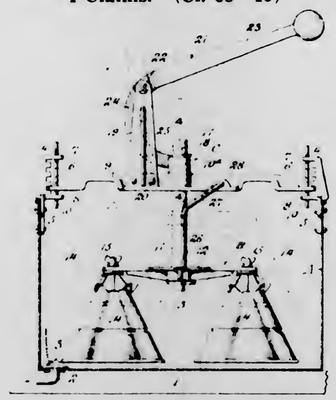
1. A tool and accessory container including a tray-like sheet metal receptacle tapered smaller from one end to the other so as to fit in the space between the rearwardly diverging brace rods connecting the radiator and dash-board of an automobile, said receptacle having the upper edges of its side walls rolled outwardly, said outwardly rolled edges of said receptacle being in the form of hook-shaped flanges and constituting means for removably mounting the receptacle on said brace rods within said space, and manually operable means to firmly secure said hook-shaped flanges in quickly-releasable engagement with the brace rods.

2,005,286
SELF-SERVICE STORE WITH REVOLUBLE SHELVES
James H. Carroll, Atlanta, Ga.
Application May 16, 1932, Serial No. 611,721
Renewed April 22, 1935
1 Claim. (Cl. 211—144)



In a self-service store, the combination of a revoluble shelf unit having a series of longitudinal extending shelves, a bottom shelf of greater area than the other shelves, a top member, a vertical central partition extending from the bottom shelf to the top member and through the intermediate shelves, means for pivotally mounting the bottom shelf and top member, and a gear and spring controlled ratchet mounted on one of the pivot members to permit of revolving the unit in one direction and preventing its being revolved in the opposite direction.

2,005,287
WASHING MACHINE
Charles T. Childers, Galesburg, Ill.
Application March 29, 1934, Serial No. 718,026
4 Claims. (Cl. 68—19)



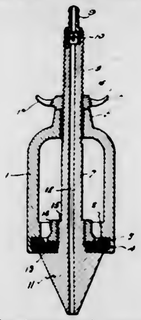
1. In a washer, the combination of a suction cup washer element, means mounting said element for vertical reciprocating movement; an operating member; and cam and follower connections between said member and said means, the control of the operating face of the cam being such as to effect a greater mechanical driving advantage nearing the upper end of a suction creating stroke than at the beginning thereof.

2,005,288
PERMANENT HAIR WAVING DEVICE
William Hamilton Cooper, Buffalo, N. Y.
Application December 10, 1932, Serial No. 646,663
14 Claims. (Cl. 132—33)



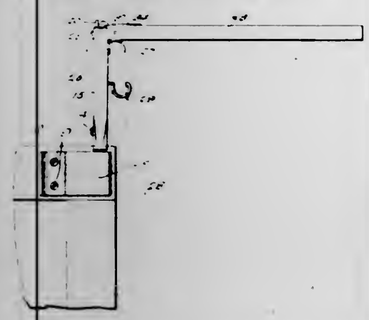
2. In a hair winder, a cylindrical body adapted to be rotated about a mandrel, a skirt extending longitudinally of said body and having means for aiding in holding a lock of hair under tension and guiding a lock of hair towards the mandrel longitudinally thereof and forming the hair into a helical coil about a mandrel, and an abutment at the junction of the body and skirt for urging a coil of hair longitudinally of the mandrel and disposing its convolutions in contacting engagement with each other.

2,005,289
VETERINARY INSTRUMENT
Edgar Ellsworth, McLoud, Okla.
Application November 23, 1934, Serial No. 754,547
1 Claim. (Cl. 128—245)



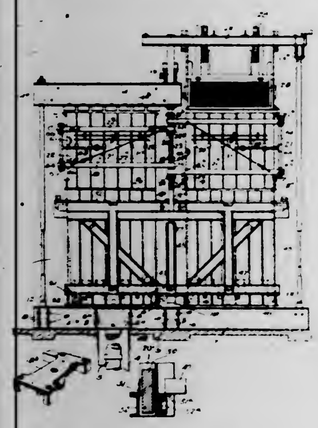
A veterinary instrument comprising a substantially U-shaped frame having a ring integral with the open end thereof, the bight portion of the frame having a longitudinally extending groove therein, said ring having a channel in its inner periphery, a compressible annulus mounted in said channel and having a portion thereof projecting beyond the inner side of said ring and defining a seat, a stem extending through said groove and extending through said ring, a frusto-conical shaped head on said stem, a compressible bevelled edge washer on said stem abutting the rear portion of said head, a nut on said stem for securing the washer in position, said washer being cooperable with the compressible annulus for clamping a portion of the rectum therebetween, said stem and said head being provided with a fluid passage therein and a clamping nut threadedly mounted on said stem and engageable with the bight portion of the frame for moving the stem within the frame.

2,005,290
GARMENT HANGER
Adolph J. Fussenegger, Louisville, Ky.
Application December 3, 1934, Serial No. 755,789
5 Claims. (Cl. 211—86)



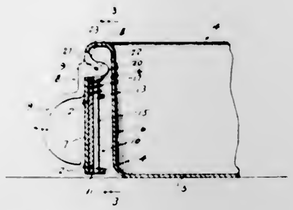
1. A garment hanger comprising a bracket for rigid mounting on a support, a vertical dowel projecting upwardly from the bracket, a standard pivotally mounted on said dowel in axial extension thereof, a hanger arm pivoted to the upper part of the standard, and latch means on the upper end of the standard and releasably engaging a portion of the hanger arm for maintaining the hanger arm in a horizontal position, said latch means being releasable to permit said hanger arm to swing to a depressed vertical position.

2,005,291
BALING PRESS
Thaddeus S. Grimes, Columbus, Ga., assignor to The Lummus Cotton Gin Company, Columbus, Ga., a corporation of Georgia
Application September 10, 1930, Serial No. 480,996
15 Claims. (Cl. 100—28)



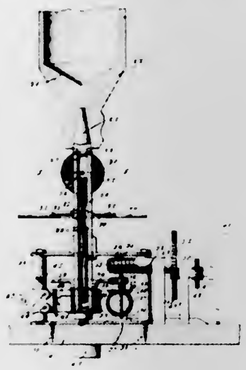
1. In a baling press having a ram, and a head through which said ram works, a pair of spaced supporting sills for said press and having opposed lateral seat portions supporting said head, tie means binding said sills together and against the sides of said head to hold the latter upon said seat portions, and reinforcing means for said sills and held in place by said tie means.

2,005,292
ICE CUBE TRAY
Albert S. Halsip, Fredericksburg, Va.
Application July 27, 1933, Serial No. 682,498
7 Claims. (Cl. 62—108.5)



1. An ice cube tray, a bracket having guide members on the front wall of said tray, a thrust pin mounted for vertical sliding movement in said guide members, spring return means for said pin surrounding the pin, said return means serving to retain the lower end of the pin retracted to a substantially flush position with respect to the bottom tray, and manually actuated means carried by said tray and cooperable with the upper end of the pin for actuating said pin, said means being in the form of a pivoted lever and having a cam element engageable with said pin.

2,005,293
ROTARY DISPLAY APPARATUS
Arthur L. Harris and Charles L. Harris, New Albany, Ind., assignors to Louise M. Harris, New Albany, Ind.
Application June 7, 1933, Serial No. 674,736
2 Claims. (Cl. 248—45)



2. Apparatus for the purpose indicated comprising a rotary post, a frame in which said post is journaled, a base on which said frame is mounted, a driving motor mounted on the base and operatively connected with the post to rotate the latter, collector rings mounted upon but insulated from the post and provided with brushes in superficial contact with them, and a receptacle formed with a diametrical bore through which the post passes, a screw passing axially through the receptacle and through the post, the post being formed with an axial bore,

and conductors disposed in said bore and extending from the contacts in said receptacle to the collector rings respectively.

2,005,294
ANÆSTHESIA APRON
Jacob B. Lazare, Brooklyn, N. Y.
Application March 15, 1933, Serial No. 660,915
3 Claims. (Cl. 155—189)



1. An anæsthesia apron for use on a patient in a dentist's chair and comprising a body portion hemmed at the sides, elongate fastening means passing thru the hems and providing a loop extending below the lower end of the body portion and adapted to be positioned under the footrest of the chair, said fastening means including free end portions extending beyond the upper end of the body portion and adapted to be secured together at the rear of the back of the chair to tension the body portion on a patient in the chair.

2,005,295
PROCESS OF POLYMERIZING ORGANIC COMPOUNDS CONTAINING A DOUBLE LINKAGE, AND PRODUCTS OBTAINABLE THEREBY
Kurt Meisenburg, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application March 13, 1929, Serial No. 346,809. In Germany March 16, 1928
4 Claims. (Cl. 260—2)

1. The process which comprises emulsifying a compound corresponding to the general formula

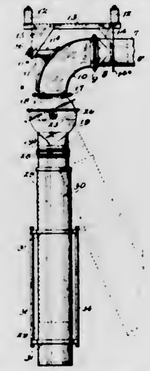
$$CH_2{:}C(-X)-Y$$

wherein X stands for hydrogen or alkyl, Y means an aromatic nucleus or an acyl radical, in water in the presence of an emulsifying agent, and causing polymerization to take place at a temperature between about 30–60° C.

2,005,296
METHOD OF PURIFYING NATURAL HEAVY SPAR
Johannes Müller and Manfred Müller, Homberg-on-the-Lower-Rhine, Germany, assignor to the firm Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany, a German company
No Drawing. Application February 17, 1934, Serial No. 711,818. In Germany March 6, 1933
19 Claims. (Cl. 23—122)

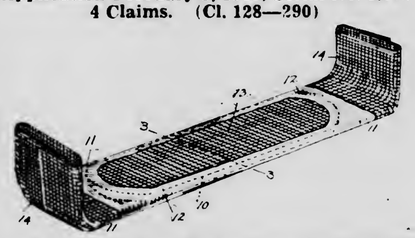
1. The method of purifying natural heavy spar, comprising calcining spar under reducing conditions at 1300 to 1350° C., whereby small amounts of barium sulphide are produced, and quenching the charge in a mineral acid.

2,005,297
ADJUSTABLE INLET STRUCTURE FOR CONDUITS
Ethan Frank Murray, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a corporation of Georgia
Application June 8, 1933, Serial No. 674,920
3 Claims. (Cl. 302—34)



1. In a pneumatic conveyor telescope, an overhead support, a hanger depending therefrom, a conveyor pipe having one end disposed in said hanger, an elbow in swivelled connection at one end with said hanger supported end of the conveyor pipe, an inlet conduit depending from the other end of said elbow and supported thereby, a bracket on the outer curve of said elbow, a cooperating bracket depending from said overhead support in proximity to the elbow bracket, and a pivot pin received in both of said brackets in axial alignment with said conveyor pipe.

2,005,298
SANITARY NAPKIN
Robert J. O'Brien and Abraham A. Rubin, Paterson, N. J.
Application February 8, 1935, Serial No. 5,672
4 Claims. (Cl. 128—290)

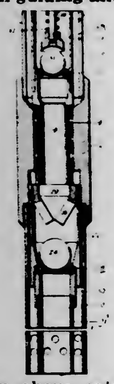


1. A catamenial napkin having a liquid absorbing pad that is supplied with an anti-coagulant for the flow to be absorbed by the pad and having a water-proof wrapper with means of access of liquid to be absorbed by the pad.

2,005,299
VALVE ASSEMBLY FOR WELL PUMPS
John Penrod, Okmulgee, Okla.
Application April 29, 1930, Serial No. 448,346
2 Claims. (Cl. 251—121)

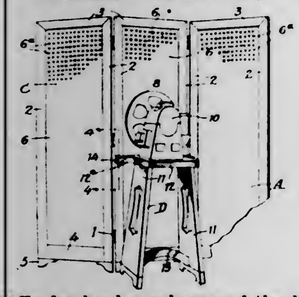
1. In a pump valve for use in wells, a spherical valve element, and an annular valve body having a central axially extending passage for fluid and a surrounding seating surface flared upward and outward and provided between the upper and

lower edges thereof and in full communication with said fluid passage with an annular sand and fluid receiving groove dividing the said seating surface into a lower final sealing area and an upper combination guiding and sealing area, said upper combination guiding and sealing area being



positioned axially above said groove and said lower sealing area and co-axially therewith to co-operate with the fluid in said groove in cushioning the impact of the spherical valve with the lower final sealing area and in centering the spherical valve element for axial presentation to the lower sealing area.

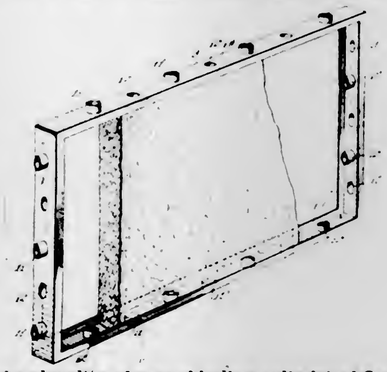
2,005,300
BAFFLE FOR LOUD SPEAKERS
Arthur M. Pfalzer, Hollywood, Calif.
Application December 15, 1933, Serial No. 702,597
8 Claims. (Cl. 181—31)



1. A baffle for loud speakers and the like comprising a foldable frame of sufficient area when opened to reproduce the fundamental frequencies of sound waves of the lower register, the rear face of the frame having a high sound absorption coefficient; said frame having an opening therethrough; and an electrodynamic loud speaker registering within the opening.

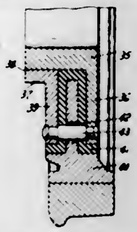
2,005,301
METAL FRAMES FOR CONSTRUCTING BUILDING BOARDS
Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership composed of Albert Rafter and John C. Rafter, Jr.
Application December 12, 1933, Serial No. 701,959
3 Claims. (Cl. 72—40)

1. A frame for constructing building boards of cementitious material, comprising a metal channel having a bottom wall and side walls at right angles thereto, said bottom wall having a plurality of spaced hollow cylindrical flanges struck outwardly along the longitudinal center line thereof



and a plurality of spaced hollow cylindrical flanges struck inwardly, said inwardly directed flanges forming small cylinders having a diameter greater than the diameter of the cylinders formed by the outwardly directed flanges.

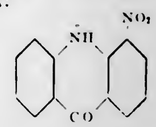
2,005,302
CAR WHEEL
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 14, 1931, Serial No. 529,972
9 Claims. (Cl. 295—11)



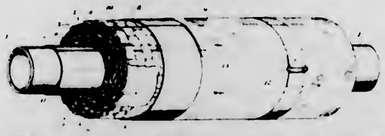
4. A metal wheel comprising a hub member and a felloe member provided with widely overlapping flanges, an annular rubber member interposed between said flanges and cured thereto and a rim member shrunk on said felloe member.

2,005,303
DYEING OF CELLULOSE DERIVATIVES
Louis Spiegler and Henry R. Lee, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1933, Serial No. 653,482
8 Claims. (Cl. 8—5)

1. The process which comprises dyeing cellulose ester fibers with an acridone compound of the general formula:



2,005,304
ARTICLE OF MANUFACTURE
Edward A. Toohey, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 30, 1932, Serial No. 626,493
2 Claims. (Cl. 154—45)



1. Thermal insulation comprising a plurality of composited, soft sheets of wool felt having discontinuous irregularities of surface, of some of the said sheets, forming voids between adjacent sheets, the adjacent sheets being collapsed upon each other, whereby there is minimized the circulation of air between the voids defined by two adjacent sheets.

2,005,305
DUST COLLECTOR
Frederick H. Wagner, Baltimore, Md., assignor to The Bartlett Hayward Company, a corporation of Maryland
Application June 7, 1933, Serial No. 674,732
8 Claims. (Cl 183—84)



1. A dust collector for separating dust particles from gas, comprising a hollow casing; an inlet and an outlet in said casing; a continuous spiral passageway closed at the top and of uniform cross sectional area connecting said inlet and outlet; an inclined spiral apron forming the bottom of said passageway, said apron being of less width than said passageway; a dust-collecting chamber beneath and in communication with said passageway; and means for isolating said outlet from said dust-collecting chamber below said apron.

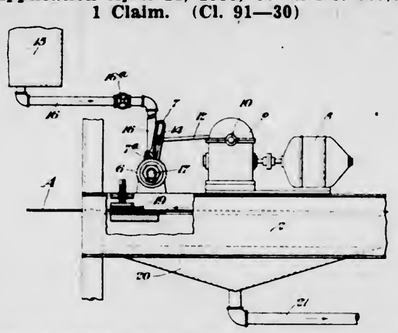
2,005,306
METHOD OF MAKING TUBES
Clarence H. Wallis, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application June 21, 1934, Serial No. 731,793
4 Claims. (Cl. 29—156)

1. A method of making seamless tubes with clean inside surfaces, including using a lubricant on their last cold drawing passes over a mandrel, which will not deposit a residue when heated to annealing tempeatures, solidly pointing the opposite ends of said tubes after said last cold drawing passes without cleaning their inside surfaces,



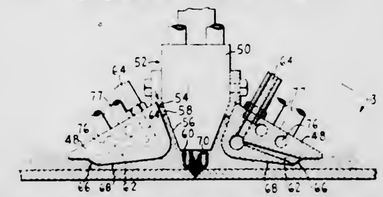
subsequently annealing said tubes and then finishing said tubes including cutting off their solidly pointed ends.

2,005,307
APPARATUS FOR COATING METAL STRIPS
Thomas D. Williams, Garfield Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 11, 1933, Serial No. 665,618
1 Claim. (Cl. 91—30)



Apparatus for coating metal strip comprising a stationary cylindrical shell having a plurality of dispensing apertures, a coating material supply conduit for said stationary cylindrical shell, a rotary shell journaled in said first named shell and having a plurality of apertures adapted for periodic alinement with said dispensing apertures and at least one feed orifice adapted for periodic alinement with said coating material supply conduit, a ratchet secured to said rotary shell, a rocking lever journaled on said last named shell and having a pawl for engaging said ratchet, a connecting-rod adjustably secured to said rocking lever, means for reciprocating said connecting-rod, means for evenly distributing the coating material from said dispensing apertures on said metal strip and removing the surplus therefrom, a coating material storage container for said supply conduit, and means for returning the surplus coating material to said storage container.

2,005,308
WELDING BURNER
James L. Anderson, Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 1, 1931, Serial No. 527,031
17 Claims. (Cl. 158—27.4)



1. Apparatus for welding metal, which includes: a torch having a face perforated to deliver a

seamwise extending system of flame, means for controlling the flow and combustion of the envelope gases of the flame system, including parts associated with said torch to provide passages for the admission of air to join said envelope gases, additional passages for supplying forced streams of oxidizing gas, said additional passages being located and directed so as to cause an induced flow of the envelope gases and oxidizing gas along the surface of the metal and away from the region of fusion, and means for circulating a cooling medium in said parts.

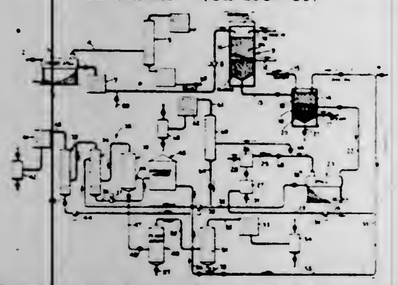
2,005,309

MANUFACTURE OF MOTOR FUEL FROM SLUDGE OIL

George Armistead, Jr., Lockport, Ill., and Walter Ullrich, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 8, 1931, Serial No. 549,568

11 Claims. (Cl. 196—50)



7. The method of producing cracked motor fuel from acid sludge produced by the treatment of a hydrocarbon lubricating oil fraction with a strong mineral acid, which comprises mixing said sludge with a diluent oil to reduce the viscosity thereof so that it may be settled into layers, mixing water with the diluted sludge and cooking the mixture by direct contact with steam to facilitate separation of liquid hydrocarbons and aqueous material from the sludge, permitting the cooked mixture to settle and separate into an upper layer of liquid hydrocarbons, and a lower layer of heavy sludge or coky material having an aqueous portion, removing liquid hydrocarbons from said layer first mentioned, subjecting the removed liquid hydrocarbons to preliminary heating to distill therefrom retained acidic material and a portion of said diluent oil, subjecting remaining oil to cracking conditions of temperature and pressure to cause cracking thereof, and fractionating the resulting cracked vapors to produce motor fuel.

2,005,310

APPARATUS FOR ROLLING PIPE

William Bark, John Henry Schmidt, and James V. Maxurie, Gary, Ind., assignors to National Tube Company, a corporation of New Jersey

Application June 2, 1932, Serial No. 615,018

1 Claim. (Cl. 80—11)



A tube rolling mill including the combination of a stand of longitudinal tube rolling rolls, oppositely extending alined tube troughs for said stand, tube pushers arranged at the ends of said troughs remote from said stand so as to push tubes into the latter, a mandrel bar over one of said troughs and having a mandrel-carrying pin on its end adjacent said stand, a reciprocable block for mounting the end of said bar remote from said stand, a crank axially alined with and spaced from said block, an arm interconnecting said crank and block, a motor for revolving said arm, a double-ended mandrel releasably carried on said pin, the latter being sufficiently long to extend beyond said mandrel, a quickly removable support for the portion of said pin extending beyond said mandrel, a water bosh on the side of said stand opposite said bar, said block being reciprocable between positions where it positions said bar with said mandrel between the rolls of said stand and where it positions said bar with said mandrel over said bosh, a mandrel carriage and a quick-acting reciprocating motor mounting said carriage for vertical reciprocation from a position where it engages said mandrel when said block is reciprocated to its second named position to one where it immerses said mandrel in water in said bosh.

2,005,311

STOPPER ROD FOR LADLES

Harvey Ross Belding, Vandergrift, Pa., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application July 6, 1934, Serial No. 734,035

4 Claims. (Cl. 22—85)



1. A stopper rod for ladles adapted to hold high-melting-point molten metals comprising a tube, a refractory sleeve for externally insulating said tube, a stopper-head on the lower end of said tube, and a coolant-supply tube disposed within said first named tube.

2,005,312

MOTOR VEHICLE

Harold D. Church, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio

Application August 22, 1932, Serial No. 629,774

20 Claims. (Cl. 180—54)



1. The combination in an automotive vehicle of front and rear axles, wheels upon said axles, a body structure supported from said axles including a flooring, an internal combustion engine mounted in a position beneath and closely adjacent to said flooring, said engine being constructed with horizontal cylinders and in such a manner as to have but a small depth, and a transmission mechanism for operatively connecting said engine to certain of said wheels including a change speed mechanism supported beneath said flooring in close proximity thereto, said change speed mechanism being constructed with a shifting mechanism arranged laterally at one side thereof and with its main shafts aggrouped in a substantially horizontal plane in order to reduce its depth.

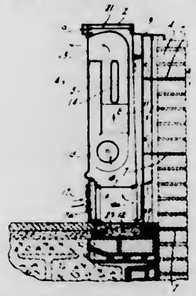
2,005,313

SILL HEATER CABINET CONSTRUCTION

Clyde W. Colby, East Cleveland, Ohio

Application July 22, 1931, Serial No. 552,444

4 Claims. (Cl. 72—0.5)



1. An exterior building-wall panel for the purpose described and comprising a thin outside masonry spandrel and inside wall cabinet means arranged to provide an enclosure spaced from said spandrel by an inverted well, with an opening connecting the bottom parts of said well and said enclosure, said cabinet having an elevated discharge opening, heating means in said enclosure, and hygrometric means arranged adjacent said connecting opening to be effective upon air flowing therethrough.

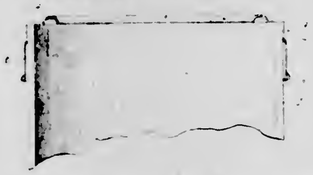
2,005,314

CONTAINER AND ITS COVER

Robert Ensko, Freeport, N. Y., assignor to Seeman Brothers, Inc., New York, N. Y., a corporation of New York

Application September 28, 1934, Serial No. 745,898

4 Claims. (Cl. 229—5.5)



1. A container comprising a cylindrical body portion of compressible material such as cardboard, and a removable metal cover therefor, said cover having a circular disk top portion, and a skirt depending from the periphery of said disk, a portion of said skirt adjacent said top having an inside diameter slightly less than the normal outside diameter of said cylindrical body portion, so as to frictionally engage said body portion and slightly compress the same, and the lower portion of said skirt having an inside diameter slightly larger than the inside diameter of the upper portion of the skirt.

2,005,315

METHOD FOR ROLLING SHEET METAL

William L. Goodhue, Cleveland, Ohio, assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application December 22, 1933, Serial No. 703,617

15 Claims. (Cl. 29—18)



1. The method of rolling wide sheet metal for deep drawing purposes comprising rolling and matching pre-heated sheet bars in a roll pass having gradually reduced dimensions from its center toward each end to form crowned breakdowns, reheating said crowned breakdowns to rolling temperature, and rolling said re-heated breakdowns in a roll pass having gradually increasing dimensions from its center toward each end to finished gage and size.

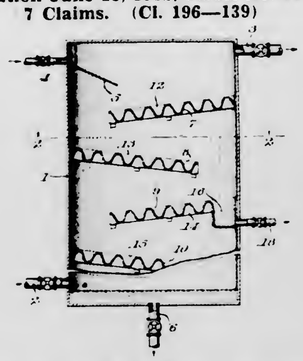
2,005,316

APPARATUS FOR FRACTIONATING HYDROCARBON OIL VAPOR

Frank W. Hall, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 15, 1932, Serial No. 617,318

7 Claims. (Cl. 196—139)



1. Apparatus for dephlegmating hydrocarbon oil vapor comprising a closed vessel having a lower vapor inlet and an upper vapor outlet, a liquid outlet adjacent the lower portion of the vessel, and downwardly sloping vertically spaced transversely corrugated baffles affixed to alternate side walls of the vessel, the lower free edges of the baffles terminating short of the opposed walls of the vessel for forming successive gaps between the lower free edges of said baffles and the walls of said vessel to provide a staggered vapor flow passage.

2,005,317

PRODUCT OF 2-ACETYLAMINO-3-CHLORANTHRAQUINONE

Fritz Helwert and Albert Palm, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 31, 1934, Serial No. 742,354. In Germany September 20, 1933

6 Claims. (Cl. 260—60)

1. A process for producing 2-acetylamino-3-chloranthraquinone which comprises subjecting the mixtures of isomeric chloraminoanthraquin-

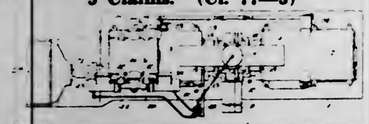
ones obtainable by the treatment of 2-(3'-amino-4'-chlorbenzoyl)-benzoic acid with acid condensing agents, to acetylation and isolating the 2-acetylamino-3-chloranthraquinone.

2,005,318
CLOSURE CAP FOR TUMBLERS, BOTTLES, JARS, AND OTHER RECEPTACLES
Harry Ingram, Brooklyn, N. Y.
Application December 16, 1930, Serial No. 502,770
7 Claims. (Cl. 215—37)



1. A closure for receptacles comprising a cap having a depending skirt formed with axially disposed corrugations and an elastic gasket positioned between the skirt and wall of the receptacle and of a cross sectional thickness not to fill the skirt corrugations, the skirt extending downwardly and inwardly to effect sealing contact between the gasket and receptacle.

2,005,319
OPPOSED RECIPROCATORY TOOL MACHINE
Harry M. Johnston, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application October 17, 1932, Serial No. 638,246
5 Claims. (Cl. 77—3)



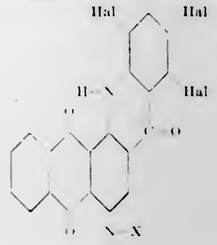
1. In a machine including opposed reciprocatory tools, a downwardly movable upper jaw and a fixed lower jaw arranged between said tools, a depressible horizontal slide extending away from said jaws and having a slotted end fitting around said fixed lower jaw, a carriage carried by said slide and having parallel arms constructed to slide by both sides of said fixed lower jaw and in which there are laterally alined coupling-receiving depressions, means for urging said slide upwardly, means for interconnecting said downwardly movable upper jaw and said slide, and means for forcing said upper jaw downwardly so that said slide is moved downwardly against the urge of the first named means.

2,005,320
PROCESS OF PREPARING CHLORINATED RUBBERS
Erich Konrad and Fritz Schwerdtel, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 22, 1932, Serial No. 639,150. In Germany October 27, 1931
18 Claims. (Cl. 260—1)

1. The process of preparing chlorinated rubbers from rubber latices which comprises subjecting the rubber latices to an oxidizing reaction and then chlorinating the product.

2,005,321
DYESTUFFS OF THE ANTHRAQUINONEACRIDONE SERIES
Max Albert Kunz, Mannheim, and Erich Berthold and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 31, 1932, Serial No. 602,402. In Germany April 2, 1931
7 Claims. (Cl. 260—37)

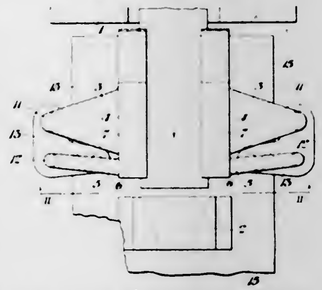
1. Vat dyestuffs of the anthraquinoneacridone series corresponding to the formula



II

in which X stands for a hydrogen atom or —OC—R, R being a radicle of the benzene series, which dyestuffs dissolve in concentrated sulphuric acid to give usually orange solutions and dye cotton violet to blue to green blue and green grey shades.

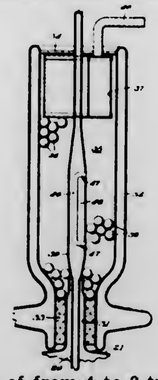
2,005,322
BUTT-WELDING PIPE
Walter T. Mahla, Lorain, and James Lester Mauthe, Elyria, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application February 10, 1934, Serial No. 710,756
5 Claims. (Cl. 205—9)



1. An apparatus for applying oxidizing gases to the edges of heated skelp, including oppositely spaced nozzles and chambers into which said nozzles open and which are slotted to receive the edges of skelp and hold the same opposite said nozzles.

2,005,323
DISTILLING AND FRACTIONATING APPARATUS
Wallace A. McMillan, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 13, 1934, Serial No. 706,479
18 Claims. (Cl. 202—160)

3. In apparatus for precise analytical distillation and fractionation, having a distilling bulb adjacent the lower end thereof, a condenser section adjacent the upper end thereof, and an elongated jacketed fractionating tube having an internal diameter of less than 10 mm. connecting the distilling bulb with said condenser section and adapted for substantially adiabatic fractionation; a packing for said fractionating tube comprising a spiral wire having a substantial



uniform pitch of from 4 to 8 turns per inch fitting snugly against the interior wall of said tube, and a wire insert of substantially uniform cross section extending through the spiral and substantially filling the central core of said spiral, the cross sectional area of said spiral being greater than the cross sectional area of said insert.

2,005,324
LAST
Henry L. Moorhouse, Brockton, Mass., assignor to Brockton Last Company, Brockton, Mass., a corporation of Massachusetts
Application January 20, 1933, Serial No. 652,629
1 Claim. (Cl. 12—133)



A wooden last for use in the manufacture of boots and shoes, having a heel portion substantially symmetrical with regard to the longitudinal axis of the last, in combination with a forepart having the extreme forward conical contour of the topmost ridge portion disaligned both from the heel and the longitudinal axis of the last, said disaligned ridge portion extending into the toe portion forwardly of the ball of the last, said forwardly extending disaligned ridge portion being in a relative position to produce a substantially vertical face from the cone to the arch of the last at the left of a right last, and at the right of a left last.

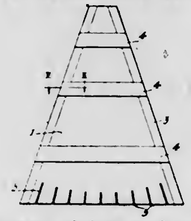
2,005,325
ROLLING MILLWORK MEASURING
Rolland E. Peterson, Aetna, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application September 21, 1933, Serial No. 690,467
4 Claims. (Cl. 80—47)

1. The combination of a roll stand, an elevating catcher table with reversibly operating conveyer means, constantly rotating pinch-rolls mounted at one end of said catcher table adjacent said roll stand, said pinch-rolls rotating in unison with and in the same direction as said



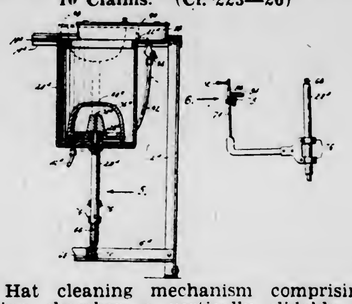
conveyer means and means for remotely recording the rotation of pinch-rolls in one direction only.

2,005,326
MACHINE FOR MAKING PLANT PROTECTORS
Walter R. Schindler, Los Angeles, Calif.
Application December 9, 1933, Serial No. 701,642
4 Claims. (Cl. 93—1)



1. In a paper gluing and cutting machine, means for continuously feeding a pair of paper bands, means for applying glue to one of said bands along diagonal strip areas thereon, means for thereafter pressing said bands together, whereby they adhere along said diagonal strip areas and means for thereafter cutting the said bands along the center lines of said strip areas, said cutting means comprising a rotating helical knife and an anvil roller positioned adjacent thereto and on the opposite side of said paper bands, whereby the bands are continually cut into double thickness blanks with the two thicknesses glued together adjacent their cut edges.

2,005,327
HAT CLEANING DEVICE
Harry Schlesinger, Des Moines, Iowa, assignor to Cleaners Appliance Company, Des Moines, Iowa, a corporation of Iowa
Application June 10, 1933, Serial No. 675,186
10 Claims. (Cl. 223—26)

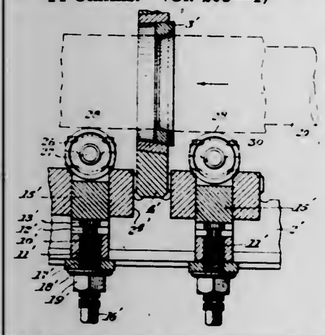


3. Hat cleaning mechanism comprising a cleaning chamber, a vertically slidable shaft projecting upwardly thereinto, a hat block on said shaft and means for raising said shaft to a position with said hat block above said chamber, said chamber having a hub extending upward from the bottom thereof for said shaft to extend thru, said hub being so connected with

said bottom as to prevent leakage of liquid between the bottom and hub, a liquid outlet for said chamber, said hub extending to a level thereabove to prevent leakage of liquid from said chamber around said shaft, said hat block having a socket to fit over said hub.

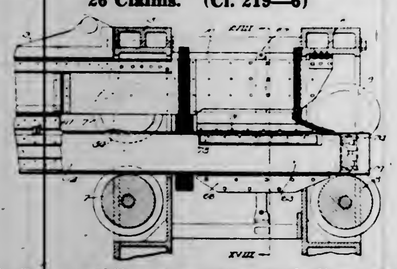
4. In a device of the class described, a pair of spaced supports, a sleeve slidable through one of said supports, a rod on the other one and projecting into the sleeve, a hat block carried by and a handle secured to the sleeve and an eccentric lock for said handle, said lock being spring actuated to lock the handle against downward movement.

2,005,328
PUSH BENCH GUIDE
Sydney Smith, London, England, assignor to Wellman Seaver Rolling Mill Co. Ltd., London, England, a British Company
Application February 19, 1932, Serial No. 594,037
14 Claims. (Cl. 205—4)



1. Apparatus for the manufacture of tubes by the push bench process, comprising a mandrel, a plurality of dies for cooperation with the mandrel to thin and elongate a blank, and non-yieldably mounted means separate from the dies having a portion engaging the blank throughout substantially less than its entire periphery for guiding the mandrel and blank in proper cooperative relationship with respect to the dies.

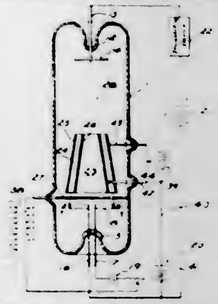
2,005,329
METHOD AND APPARATUS FOR WELDING
James L. Adams, Jr., Youngstown, Ohio
Application October 8, 1930, Serial No. 487,194
26 Claims. (Cl. 219—6)



1. In a welding apparatus including means for effecting a feeding movement of substantially tubular preformed material in a direction approximately parallel to the axis of the material, heating means producing a flash heating zone for heating the edge portions of the substantially tubular material, and means effective on the edge portions of the material for imparting a succession of angular movements thereto in a direction substantially normal to the direction of feeding movement.

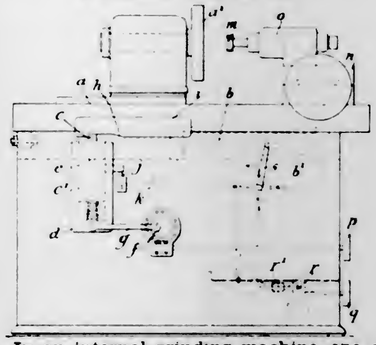
20. In a method of welding together the edges of a plate bent to form a tube blank having an axial seam cleft, the steps including inducing from within the blank an electric heating current circumferentially thereof and passing across the seam cleft, deflecting successive portions of the edges in opposite directions and engaging the blank at a plurality of points on the exterior periphery of the blank for opposing the repulsive effect of said current tending to open up the formed blank.

2,005,330
ELECTRON EMISSION DEVICE
Thomas W. Sukumlyn, Los Angeles, Calif.
Application August 19, 1930, Serial No. 476,323
11 Claims. (Cl. 250—27.5)



3. An electron emission device, comprising a cathode having an extended area, means for converging the stream of electrons as they progress from the cathode, and a control electrode arranged with its active length conforming to the base of the means forming the path for the converging stream, and an envelope for the cathode the converging means and the control electrode.

2,005,331
INTERNAL GRINDING MACHINE
Harry Hales Asbridge, Ashton-on-Mersey, England, assignor to The Churchill Machine Tool Company Limited, Broadheath, England, a British company
Application July 3, 1934, Serial No. 733,678
In Great Britain July 19, 1933
4 Claims. (Cl. 51—95)



1. In an internal grinding machine, the combination of a grinding wheel, a slidable work-

table, hydraulic means to traverse the worktable to its stop or grinding position, a stop limiting the movement of the table slidably mounted in a pivotally mounted carrier for pivotal movement in a plane parallel to the direction of movement of the work-table, mechanical means to impart relatively rapid and short pivotal movements to said stop carrier, a cam track associated with said slidable work-table to depress said stop in its carrier as said table approaches its stop or grinding position, resilient means associated with said stop to resist such depression thereof, an abutment associated with said work-table adapted to be pressed continuously against the said stop by the hydraulic traversing means when said table is in its stop or grinding position, and means actuated on depression of said stop to limit the flow of hydraulic fluid to said hydraulic traversing means.

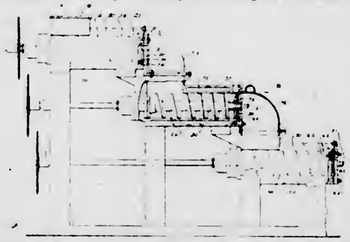
2,005,332
INTERNAL GRINDING MACHINE
Harry Hales Asbridge, Ashton-on-Mersey, England, assignor to The Churchill Machine Tool Company Limited, Broadheath, England, a British company
Application December 14, 1934, Serial No. 757,572
In Great Britain July 19, 1933
2 Claims. (Cl. 51—95)



1. In an internal grinding machine, in combination, a bed, a worktable traversible upon the bed, a handle controlling the traverse of the table and having forward, reverse and neutral positions, a cross slide upon said bed, a grinding head upon said cross slide, a cam controlling the feed movements of said slide, a shaft turning said cam, means acting on said cam for progressively increasing the limit of feed movement imparted by said cam in order to compensate for grinding wheel wear, a dog upon the table, an arm operatively connected to said handle and adapted to be engaged by said dog to bring the worktable to rest, a second dog upon the table, driving means for the said shaft, means whereby said second dog couples up said driving means to said shaft, a tappet wheel upon said shaft, tappets upon said wheel, one tappet actuating the means aforesaid for progressively increasing the limit of the feed movement of the cross slide, a second tappet actuating the handle to put it in its reverse position, and a third tappet disengaging the drive to said shaft when the tappet wheel has made one turn.

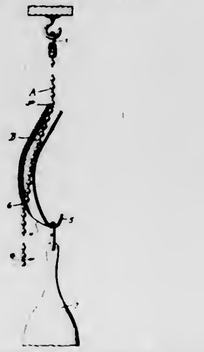
2,005,333
PROCESS FOR REFINING A SOAP BASE
John W. Bodman, Winchester, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application June 24, 1930, Serial No. 463,474
4 Claims. (Cl. 87—16)

2. The process of homogenizing and refining a soap base for the production of a homogeneous plastic mass from which bars or cakes may be subsequently formed, which consists in regulating the temperature of the base to maintain a predetermined condition of plasticity and, while so maintained, repeatedly forcing the base under



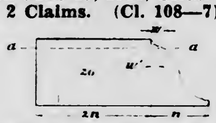
a high pressure through successive sets of minute orifices of decreasing size, with none of the orifices having a size comparably greater than the openings of a 20-mesh screen.

2,005,334
ADJUSTABLE SUSPENSION DEVICE
Ervin J. Casper, San Francisco, Calif.
Application March 7, 1933, Serial No. 659,930
3 Claims. (Cl. 248—328)



3. A suspension device comprising in combination a pendant chain and a rigid hanger adjustably mounted upon the chain, said hanger being substantially arcuate in longitudinal section and comprising a portion at its upper end for slidable engagement with the chain, link-engaging means adjacent the lower portion to releasably engage the links of the chain when moved downwardly, and a load-supporting member at the lower end in offset relation with the link-engaging means, whereby when a load is imposed on said load-supporting member the hanger will be tilted in a direction to flex the chain and force the link-engaging means into firm engagement with a link of the chain for the purpose of supporting the load in various elevations.

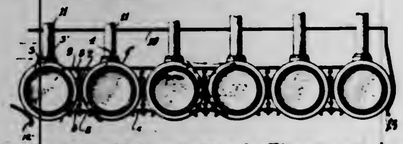
2,005,335
SHINGLE
Raymon W. Clough, Cranston, R. I.
Application June 19, 1933, Serial No. 676,469
2 Claims. (Cl. 108—7)



1. A shingle having two parallel side edges one of which, constituting the bottom edge, is

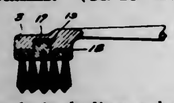
longer than the other, one squared end, and its other end formed by a short in-turned shoulder adjoining each side edge the inner ends of which are connected by a cyma reversa curve extending from the said shoulder at the shorter side edge to said shoulder at the longer side edge.

2,005,336
ENGINE COOLING DEVICE
Walter F. Davis, Nassau County, N. Y., assignor to Fairchild Aviation Corporation, New York, N. Y., a corporation of Delaware
Application December 18, 1931, Serial No. 581,851
4 Claims. (Cl. 123—171)



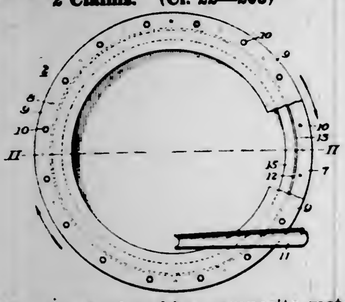
4. In air-cooled engines, a baffling means bearing on the engine cylinders and extending across the inter-cylinder spaces to direct air to the leeward sides of said cylinders, and a member bearing on the opposite sides of said cylinders, and fastened to said baffling means for clamping the complete assembly in position.

2,005,337
TOOTHBRUSH
Emil Doll, West New York, N. J.
Application February 23, 1934, Serial No. 712,665
4 Claims. (Cl. 15—176)



1. A toothbrush including a handle having a disk integral with one end thereof, said disk being provided with a tapered socket having the wall thereof projecting beyond one face of the disk and externally threaded, and a head for the brush including a disk like bristle carrying body having an integral tapered pin fitting said socket and a threaded recess circumjacent the pin at the base thereof threadedly receiving the threaded wall extension of said socket.

2,005,338
MAKING COMPOSITE INGOTS
Frank R. Frost, Pittsburgh, Pa., assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia
Application December 14, 1931, Serial No. 580,747
2 Claims. (Cl. 22—203)



1. The process of making composite metal ingots, which comprises placing a liner of one metal in an ingot mold, leaving spaces between the edges of the liner and the mold walls, revolving the mold, and introducing another metal in a molten state into the mold so as to cast the molten metal by centrifugal force against the liner and cause the molten metal to enter the spaces around the edges of the liner, so as to form a composite ingot having the liner securely held to the body of metal cast against it.

2,005,339
FLASH LIGHT HANGER
Henry Hyman, Brooklyn, N. Y.
Application March 6, 1933, Serial No. 659,871
2 Claims. (Cl. 240—10.66)



1. In a device of the character described, a U-shaped member having its ends extending at an angle to its legs and a flat ended hollow member having a pair of holes near said flat end through which said legs slide, and a guide with straight sides between said legs to guide said U-shaped member longitudinally.

2,005,340
SEAL
George M. Jaffin and Jacob T. Basseches, New York, N. Y.
Application June 17, 1933, Serial No. 676,286
12 Claims. (Cl. 101—28)



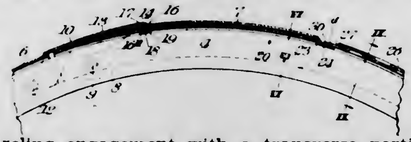
1. An impression seal of the character described including a bed having a resilient impressionable unengraved surface, a supporting standard disposed from said base mounting a pressure applying assembly, comprising a reciprocal plunger, over said resilient base, an impression die for said plunger and means for connecting said die to said plunger independently of the outline of the base comprising readily disengageable connecting means, the resilient base serving as the mate for the impression die.

9. For use with an impression seal of the character described including a resilient base, an impression die therefor consisting solely of concentrically disposed cut impression markings whereby the seal may be axially positioned independently of the base and mate therewith in all axial positions of said die.

2,005,341
SEALING RING
Albert E. Jesser, Vandergrift, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 24, 1934, Serial No. 741,255
11 Claims. (Cl. 220—61)

1. In a device of the character described, a split ring of channel form, a channel form lever

connected to and adapted for telescoping engagement with one end of the ring, a link pivoted to the other ring end and having pivotal connection with said lever by means of a looped terminal portion of the link disposed in en-

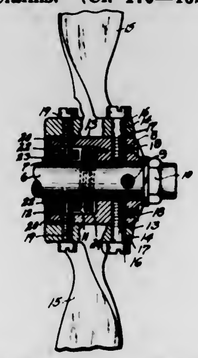


circling engagement with a transverse portion of the lever, whereby said lever and link lie along and substantially conform to the outer contour of the ring when in closed position thereon, and means on the ring for removably securing the lever thereto in closed position.

2,005,342
REFINING OF HYDROCARBONS
Leo D. Jones, Philadelphia, and Edward M. James, Moylan, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 5, 1931, Serial No. 520,466
6 Claims. (Cl. 196—40)

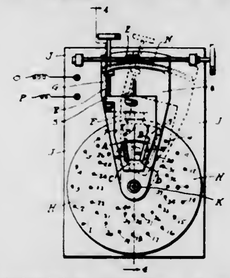
1. In the refining of hydrocarbons, the steps comprising subjecting to intense agitation a mixture of a hydrocarbon and strong sulphuric acid and thereby dispersing the acid in fine particles in the hydrocarbon, discontinuing said agitation, then coalescing the fine particles by ageing the resulting mixture for a period of time between four and twenty minutes, and then immediately rapidly separating the coalesced particles from the hydrocarbon.

2,005,343
VARIABLE PROPELLER
Forrest M. Kent, Spokane, Wash.
Application May 9, 1934, Serial No. 724,719
2 Claims. (Cl. 170—162)



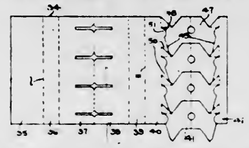
1. A variable propeller comprising a shaft, a hub block fixed on the shaft, said hub block having a hollow chamber, two opposite flat sides, and an arcuate slot extending through each flat side into the chamber, a pair of propeller blades having flat inner T-ends respectively seated on the two opposite sides of the block, pivotal connections that are diametrically opposite to each other and concentric with the arcuate slots connecting the T-ends of the propeller blades to the block in such position that the centers of the propeller blades are offset with respect to each other, screw pins respectively connected to the T-ends and extending slidably through the arcuate slots into the chamber of the block, a collar mounted on the shaft within said chamber, a pair of opposite eyelet bearings pivotally connected to the collar, said screw pins extending through said eyelet bearings, and a coiled spring mounted on the shaft within the chamber and having one of its ends connected to the hub block and its other end connected to the collar.

2,005,344
TELEVISION APPARATUS AND METHOD
Le Roy J. Leishman, Los Angeles, Calif.
Application January 27, 1931, Serial No. 511,557
14 Claims. (Cl. 178—6)



1. In a television receiver, a scanning disc having a plurality of light-directing sections disposed in a spiral having a plurality of turns; a member pivotally mounted and substantially co-axial with, parallel to and adjacent said disc, the said member having a viewing opening therethrough, two of the sides whereof are substantially radial with the center of the scanning disc, said member being adjustably rotatable about its said pivotal mounting, a second member mounted on said first member adapted to be adjustably moved radially of said disc and having a viewing opening therethrough adapted to partially register with the viewing opening in said first member.

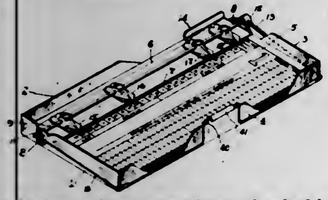
2,005,345
BOX OR CARTON
Henry Levine, Philadelphia, Pa.
Application June 2, 1933, Serial No. 673,964
In Denmark March 7, 1933
10 Claims. (Cl. 229—29)



1. In a carton of the character described, a single sheet of material which is longitudinally scored to provide a plurality of longitudinally extending sections adapted to constitute the side and bottom walls of a carton when the blank is folded along said scored lines, one of said sections being slitted to provide a plurality of partition members which are adapted to be swung into vertically disposed substantially parallel relation for interlocking engagement with a longitudinally extending partition formed in said bottom wall of the carton, the upper edge of said longitudinally extending partition being provided with longitudinally spaced slots for

respectively receiving the bottom portions of said transverse partitions, said transverse partitions being respectively provided with aligned apertures the common axis of which is substantially coincident with the upper edge of said longitudinally extending partition, and a locking strip extending longitudinally of the carton and interposed between the upper edge of said longitudinally extending partition and the bottom edges of said apertures whereby to maintain the transverse partitions interlocked with the longitudinally extending partition.

2,005,346
TICKET AND TICKET HOLDER
Murdock Macdonald, East Cleveland, Ohio
Application August 16, 1932, Serial No. 629,011
5 Claims. (Cl. 206—40.6)



1. A ticket holder consisting of a holder proper adapted to receive a plurality of duplicate tickets, a severing bar mounted adjacent one side of said holder on top of said tickets and extending longitudinally of the holder, said bar being displaceable laterally of the holder, notching means movably carried on said bar, and means mounted on the lower surface of said bar for discharging the stub of a severed ticket upon lateral displacement of said bar across said holder.

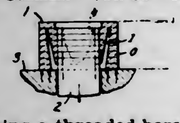
2,005,347
DYEING COMPOSITION
Eugene A. Markush, Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 9, 1933, Serial No. 692,823
8 Claims. (Cl. 8—6)

1. As a new composition of matter, a compound producible by combining a diazotized amine of the aromatic series containing no solubilizing group with a heterocyclic amine containing at least one solubilizing group, said diazoamino compound probably having the formula

R—NH—N=N—A

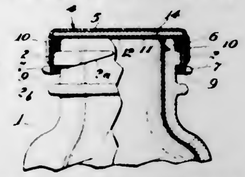
in which R represents the residue of a heterocyclic amine containing at least one solubilizing group and A represents an aromatic radical, said diazoamino compound being mixed with a coupling compound.

2,005,348
NUT, SCREW, AND LIKE ARTICLE
Anthony G. M. Michell, Canton, Mass.
Application May 23, 1932, Serial No. 612,918
10 Claims. (Cl. 85—32)



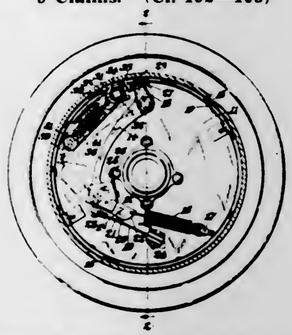
1. A nut having a threaded bore, and having a recess surrounding the bore inclined to the axis of the bore combined with a threaded bolt having a recess therein substantially coextensive with the threads of the nut, the walls of said recess in the bolt being inclined in the same direction as the inclination of the recess in the nut.

2,005,349
SEALED PACKAGE AND PARTS THEREOF
Marion H. Raney, Flushing, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application January 4, 1933, Serial No. 650,081
19 Claims. (Cl. 215—56)



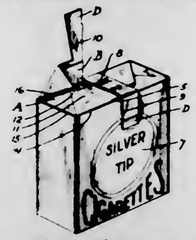
1. As an article of manufacture, a closure cap comprising a cover portion, a depending skirt, a relatively porous liner provided with a coating of paraffine, and a non-porous liner substantially bonded to said first liner having an aperture therein.

2,005,350
CENTRIFUGAL CLUTCH
Henry John Rickwood, Croydon, England, assignor to Trojan Limited, Croydon, England, a British company
Application September 17, 1932, Serial No. 633,655
In Great Britain September 25, 1931
9 Claims. (Cl. 192—105)



1. A centrifugal clutch comprising in combination rotatable driving and driven elements, cooperating clutch parts associated respectively with the driving and driven elements, a centrifugal member rotatable with the driving element and movable under centrifugal force away from and towards the axis of rotation, means operable automatically by movement of the centrifugal member as aforesaid to effect relative sliding movement between the clutch parts in a direction parallel with the axis of rotation, a main spring control for the centrifugal member arranged to act uni-directionally to resist outward movement of said member, and an auxiliary resilient control arranged to act first in one direction to resist outward movement of the centrifugal member and then in the opposite direction, said auxiliary control comprising a snap-over cam and a spring-loaded cam follower, one of which parts is movable by the centrifugal member and the other relatively fixed.

2,005,351
PACKAGE WRAPPER
Irving S. Rosenblatt, San Francisco, Calif.
Application August 30, 1932, Serial No. 631,036
2 Claims. (Cl. 229—51)



1. A wrapper of the character described comprising a substantially rectangular-shaped sheet of wrapping material, and a tab projecting from one end of the sheet, said tab being centrally scored at its end to start a tear centrally through the tab and one end of the wrapper, said wrapper also having a score line formed in each side edge at a point adjacent the tab end of the wrapper to permit tearing of the wrapper along one end of a package wrapped by the wrapper.

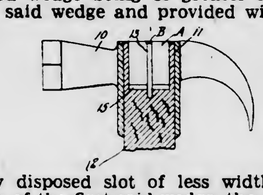
2,005,352
CLOTH SHRINKING MACHINE
Burt J. Shaw, Rochester, N. Y., assignor to Fashion Park Manufacturing Corporation, Rochester, N. Y., a corporation of New York
Application June 20, 1934, Serial No. 731,418
9 Claims. (Cl. 26—46)



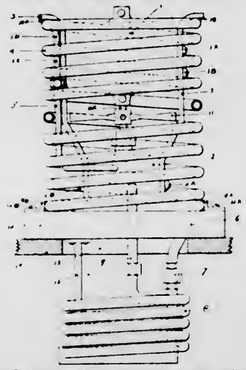
1. In a cloth shrinking machine a steam box, a water bath, means for feeding the cloth to be shrunk through said steam box and thence through said water bath comprising a pair of driven rollers mounted thereon at each end and connected so that the first rotates slightly more rapidly than the second and a riding roller in said bath between said driven rollers, means for feeding said cloth from said bath over a surplus water remover and distributor into a drier comprising an endless perforated conveyor passing over a vacuum slot, both of said feeding means operating without stretching said cloth and automatic means for regulating the suction of said surplus water remover and distributor.

2,005,353
HANDLE FASTENING DEVICE
Frank M. Spezzano, Bristol, Pa.
Application August 22, 1933, Serial No. 686,194
1 Claim. (Cl. 306—33)

A handle fastening device comprising an elongated wedge having a longitudinal slot extending the major portion of its length and terminating in an expander, a second wedge adapted to be inserted into the slot of the first mentioned wedge and intersecting the same, said second mentioned wedge being of greater length than the first said wedge and provided with a longitudinally disposed slot of less width than the thickness of the first said wedge, the walls of the slot being parallel except at the extremities where they are reversely tapered and adapted to be expanded by driving contact with the expander of the first mentioned wedge to oppositely directed curvatures within the body of the handle.



2,005,354
REFRIGERATING METHOD AND APPARATUS
Andrew L. Still, Los Angeles, Calif.
Application May 7, 1934, Serial No. 724,405
8 Claims. (Cl. 62—115)



1. The refrigerating apparatus which includes a condenser coil which surrounds a compressor, a fan and a motor which drives the said compressor and fan, the compressor and the air fan and the motor secured to the condenser coil so that the said coil supports the said members, an expansion valve, a pipe communicating with the expansion valve and the condenser, a freeze member communicating with the expansion valve and a pipe communicating with the freeze member and the compressor.

2,005,355
FLOWER CUTTER
Thomas Patrick Tierney, Jr., Montgomery, N. Y.
Application March 16, 1934, Serial No. 715,877
1 Claim. (Cl. 146—81)

A flower cutter comprising a base provided with an obliquely disposed comparatively wide groove therein having a transverse slot in its bottom obliquely disposed to said groove, a cutter normally held above the groove in said base, said cutter operating through said slot, a bar or lever in form of a housing slotted at its bottom, and pivoted at one end to said base to which said cutter is attached, said lever having a slot, a guide post anchored in the base passing through

the slot in said lever to guide the same during its operation, a spring wound about the pivot pin of said bar or lever intermediate its ends and engaging with its outer ends said lever and said base to normally hold the same in upwardly in-



clined position above said base permitting the depression of said cutter to obliquely cut the stems of flowers placed into the groove of the base upon the depression of said lever by its handle.

2,005,356

HEAT INSULATING MATERIAL AND METHOD OF WATERPROOFING SAME

Edward A. Tochey and Archibald Hughes, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 4, 1927, Serial No. 210,716
7 Claims. (Cl. 106—18)

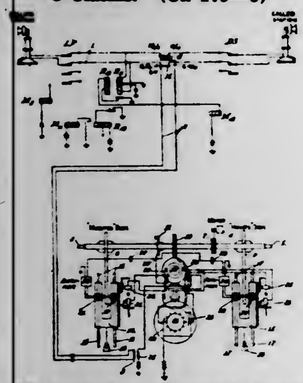
1. Method of preparing fibrous heat-insulating material, characterized by depositing in powdered form, upon the fibres while in loosely aggregated arrangement, a heat-liquefiable inherently water-repellant material, and thereafter extending said deposit by heating the deposited powdered material conserving said loose aggregation during and after the formation of said deposit.

2,005,357

TELEPHONE TIME-ANNOUNCING SYSTEM

Thomas W. Varley, New York, N. Y.

Application October 10, 1934, Serial No. 747,656
3 Claims. (Cl. 179—6)



1. In an automatic telephone exchange system, telephone lines, means including a selector switch for establishing a connection between a calling and a called line under the control of a calling party, automatic means for connecting a calling line with said selector switch, a time-announcing unit, and means for associating said unit with the calling line upon the operation of said automatic means and until said selector is operated under the control of the calling party.

2,005,358

ROLL AND METHOD OF MAKING THE SAME

George H. Aupperl, Leechburg, Pa., assignor to Hyde Park Foundry and Machine Company, Hyde Park, Pa., a corporation of Pennsylvania

Application December 14, 1931, Serial No. 580,795
3 Claims. (Cl. 148—3)



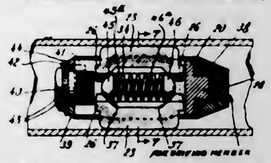
1. In the method of forming iron roll castings, the steps comprising forming the casting in a chill mold to chill the outer portion only thereof, and thereafter, substantially when the outer portion becomes self-supporting, closely jacketing the casting with heat retaining sheathing having surface contact with said casting, whereby the outer portion of the casting is subjected to a reheating operation from the heat of the inner portion without destruction of the chill in the outer portion.

2,005,359

TUBE CLEANER

Oreste J. Bagnoli, Woodcliff, N. J., and Thomas C. Wilson, Brooklyn, and James Henry Young, New York, N. Y., assignors to Thomas C. Wilson, Incorporated, New York, N. Y., a corporation of New York

Application November 29, 1933, Serial No. 700,174
8 Claims. (Cl. 15—104.09)



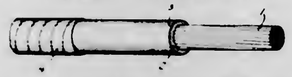
1. A rotary tube cleaner comprising a hollow elongated body having at least three substantially radial openings therein extending lengthwise of said body and communicating with a central chamber within the body, said body being rotatable about its longitudinal axis, at least three cleaning elements loosely mounted respectively in said openings, and extending substantially radially from said central chamber, each of said elements having a cam surface on the inner edge thereof in said central chamber, a member in said chamber engaging the cam surfaces of all of said cleaning elements, a single resilient means disposed longitudinally in said chamber in engagement with said member and resiliently expansible lengthwise of said body, said resilient means acting through said member and said cam surfaces to force all of said cleaning elements outwardly from said chamber, and means on said body engageable with parts of said cleaning elements to prevent complete removal of said elements from said openings.

2,005,360

HIGH TENSION RUBBER INSULATED CABLE

Charles R. Boggs, Waban, Mass., assignor to Simplex Wire & Cable Company, Boston, Mass., a corporation of Massachusetts

Application April 14, 1932, Serial No. 605,164
1 Claim. (Cl. 173—266)



The process of manufacturing electrical cable insulated with vulcanized rubber and having increased life when operated at high voltages, which includes the steps of cementing unvulcanized rubber insulation to the conductor, applying a layer of finely divided conducting material on the surface of said unvulcanized rubber, applying a sheath over and in intimate contact with said layer, vulcanizing the rubber insulation thus encased in said sheath, whereby said layer of finely divided conducting material becomes a conductive film which is a permanently integral part of the surface of said vulcanized rubber insulation, stripping said sheath from said cable, and wrapping said cable with a metallic tape so as to be in intimate electrical contact with said conducting film.

2,005,361

CAP

Grace de Wolf Rollins, New Rochelle, and Ernestine Hines Dobbs, Larchmont, N. Y.

Application January 16, 1935, Serial No. 2,000
2 Claims. (Cl. 2—198)



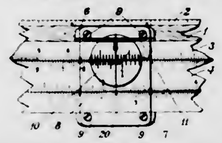
1. As an article of manufacture, a cap comprising a piece of material for fitting over the head of a wearer to keep the wearer's hair in place, said piece of material being in the form of an isosceles triangle having two like corners and another corner with adjacent edges at right angles to each other which is designed to drape downwardly at the back of the wearer's head and be held in place against the wearer's hair by the tying together of the other two corners of the triangular piece of material, and a visor attached to said piece of material at the edge thereof which extends between the two like corners, said visor having a curved edge which is attached to the straight edge of the piece of material whereby the piece of material is puckered between the ends of the visor to produce bulging of the material and cause training of the same over and about the forehead of the wearer when the cap is secured in place when the cap is in use.

2,005,362

MAGNIFYING ATTACHMENT FOR SLIDE RULES

Henry P. Clausen, White Plains, N. Y.

Application January 5, 1933, Serial No. 650,284
2 Claims. (Cl. 88—39)



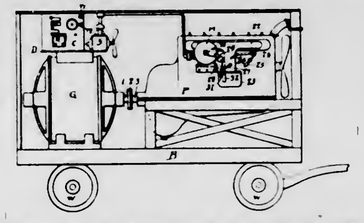
1. The combination of a slide rule having an upper and lower scale, a graduated member slidable longitudinally between said scales, a flat transparent member having an index line connecting the graduations on the scales and on the graduated member, said transparent member being slidable longitudinally over the scales and over the graduated member, and a plano spherically convex lens slidably held to the transparent member by suction whereby it may be freely moved thereon from the upper to the lower scale.

2,005,363

VOLTAGE REGULATOR

Fielding C. Coates, Los Angeles, Calif., assignor to Mole-Richardson, Inc., Los Angeles, Calif., a corporation of California

Application November 7, 1933, Serial No. 696,950
2 Claims. (Cl. 290—40)



1. In a regulating system for a generator driven by a prime mover, the speed of which varies inversely with the load on the generator, means for controlling the speed of said prime mover, manually operable means for said speed control means to determine the maximum desired speed of said prime mover, a counter-E. M. F. motor connected in series with the generator field across the output terminals of said generator to reduce the excitation of said generator, and means operably responsive to the counter-E. M. F. of said counter-E. M. F. motor for actuating said speed control means to reduce the speed of said prime mover when the voltage output of said generator exceeds the said predetermined value.

2,005,364

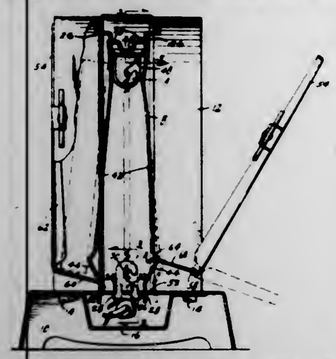
TOASTER CONSTRUCTION

Percy O. Derringer, Belleville, Ill., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri

Application March 2, 1933, Serial No. 659,364
11 Claims. (Cl. 219—19)

1. In a toaster construction, a frame having an opening therein, a heating element supporting member extending through said opening, said heating element supporting member having a head on one side of said frame and having means on the other side thereof to coact with a heating element, a heating element coacting there-

with and supported thereby, a tapered shoulder on said member and a resilient lug on said frame

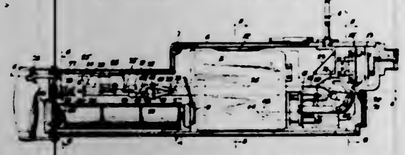


at the edge of said opening to snap past said shoulder and thereby retain said member in said opening.

2,005,365
MUSHROOM SPAWN
Rosario Di Giacinto, Toughkenamon, Pa.
No Drawing. Application January 29, 1935, Serial No. 3,995
6 Claims. (Cl. 47—1)

1. Mushroom spawn in the form of pressed pellets or their equivalents.

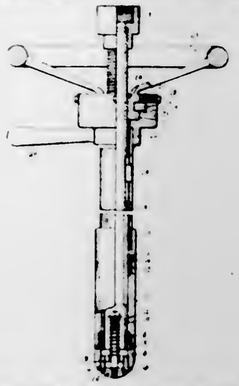
2,005,366
MACHINE GUN CAMERA
John P. Gaty, Woodside, N. Y., assignor to Fairchild Aerial Camera Corporation, a corporation of New York
Application May 26, 1933, Serial No. 672,946
9 Claims. (Cl. 88—16)



1. In a camera comprising a casing, a single photographic objective in said casing and means aligned therewith for admitting light from an external source into said casing, means supporting said objective for movement into a predetermined focal relationship with said light admitting means for the purpose of photographic exposure of objects located externally to said casing, an object located interiorly of said casing and means for illuminating the same, a light reflecting system including a reflecting member and means supporting the same for movement into such relationship with respect to the axis of said objective as to provide a secondary light path between said object and said objective, said objective supporting means also supporting the objective for movement into a predetermined focal relationship with said reflecting member for the purpose of photographing said internally located object.

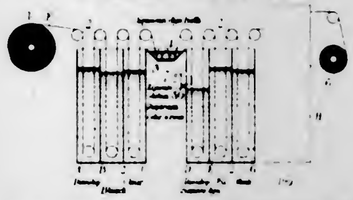
2,005,367
GROUTING PLUG
Erle P. Halliburton, Los Angeles, Calif.
Application June 27, 1932, Serial No. 619,395
8 Claims. (Cl. 61—63)

1. A device for grouting cementing materials through grouting holes in linings, which device comprises a tube for introducing cementing materials to said grouting holes, a sleeve packer surrounding said tube for packing the tube to the hole near the end of said hole, one end of said packer being fixed to the lower end of said tube, a sleeve telescoped over said tube and fixed to



the other end of said sleeve packer for actuating said packer movable relative to said tube, a screw jack for actuating said sleeve and tube, and a check valve near the end of said tube adapted to be closed by the back pressure of the grouting material.

2,005,368
PHOTOGRAPHIC REVERSAL PROCESS
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application June 15, 1932, Serial No. 617,368
4 Claims. (Cl. 95—5)



1. In a process for making photographic images in a single photographic emulsion layer by a reversal process involving successively the making of an original image in said layer, the removal of that image and the formation of a second image by a second exposure in the same layer, the step of dyeing the layer immediately prior to the second exposure with a filter dye absorptive of blue light whereby the exposure throughout the layer is controlled.

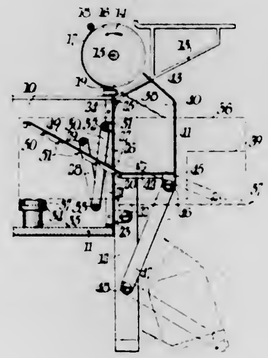
2,005,369
METHOD OF COILING RODS OR BARS
William W. Hill, Duquesne, Pa., assignor to Carnegie Steel Company, a corporation of New Jersey
Application October 11, 1932, Serial No. 637,319
2 Claims. (Cl. 80—63)



1. The method of manufacturing commercial rods and bars which consists in finishing the rods

or bars in a roll stand, cooling said rods or bars on a cooling bed, cropping the advance ends of said rods or bars, conveying them over a shear table, reeling the cooled rods or bars into coils and cropping the trailing ends of said rods or bars.

2,005,370
DOCUMENT RECEPTACLE FOR A PHOTOGRAPHIC REPRODUCING MACHINE
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 3, 1934, Serial No. 709,670
14 Claims. (Cl. 271—86)

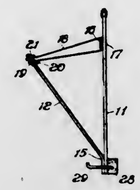


1. In a machine for handling documents, the combination with a casing for said machine and including a plate member which is provided with an opening, a feeding means within said casing for moving documents and provided with a document exit, and a document receptacle movably connected to said casing and movable to a document receiving position with respect to said exit of the feeding means, of a supporting member attached to said receptacle and movable within the opening of said plate member, and engaging means between said supporting and said plate members and adapted upon engagement to position said supporting member with the receptacle in the aforementioned document receiving position and with said plate member enclosing one side of said receptacle.

2,005,371
PROCESS FOR THE MANUFACTURE OF TRIPROPIONIN
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application August 18, 1934, Serial No. 740,485
4 Claims. (Cl. 260—106)

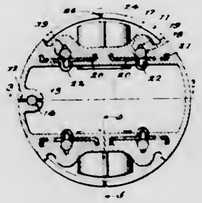
1. In a process of making tripropionin by esterifying glycerol with propionic acid in the presence of a catalyst and removing the water formed by azeotropic distillation with a water-withdrawing agent, the step which comprises heating the glycerol and propionic acid together prior to contact with the catalyst.

2,005,372
SHELF
Carl A. Johns, Chicago, Ill.
Application November 28, 1934, Serial No. 755,134
4 Claims. (Cl. 211—93)



1. A collapsible kitchen shelf comprising a vertical back member, means for attaching said back member to a vertical surface, a front member attached to said back member at the respective lower edges of the two members, said front member being adapted to lie alongside said back member when said shelf is in condition for shipping and to fold forward to form a trough-shaped shelf, a pair of hooks pivotally attached to said back member and adapted to swing inward and be confined between said two members when said shelf is in condition for shipping and to swing outward for attachment to said front member when said shelf is in condition for use, and means for removably attaching said hooks to said front member, each hook including a pair of substantially parallel legs, the free ends of which are adapted to engage means on said front member to hold said front member in rigid position.

2,005,373
EXPANSIBLE PISTON
Clarence S. Johnston, Amarillo, Tex.
Application November 10, 1933, Serial No. 697,485
4 Claims. (Cl. 309—12)

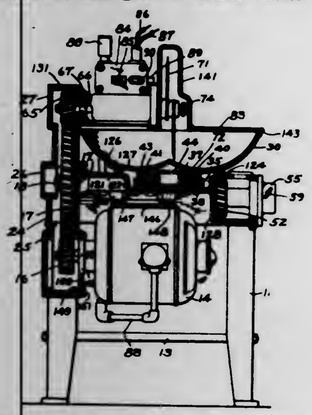


1. In combination with a piston having a split skirt, an integral web formed upon the inner walls of the skirt, said web having an expansion channel, and a hinge member formed within the web and spanning said channel for reinforcing the same against splitting.

2,005,374
FOOD HANDLING APPARATUS
Herbert L. Johnston, Troy, and John C. Slager, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application May 11, 1929, Serial No. 362,216
10 Claims. (Cl. 146—67)

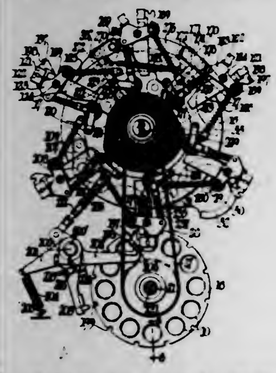
1. In apparatus of the character described, a driving shaft, a rotatable container, a gear rotatable with said container, and a gear on said

driving shaft in driving relation with said gear on the container, said gear rotatable with the con-



tainer serving as a bearing for rotatably supporting the container.

2,005,375
AUTOMATIC ALL-METAL SPOOL MAKING MACHINE
John G. Jones and Haywood G. Dewey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 1, 1933, Serial No. 683,156
61 Claims. (Cl. 29—38)



10. In a machine for joining flanges and a core to form a spool, the combination with a carrier mounted for rotatable and axial movement and having a plurality of clutch elements each for engaging and supporting a flange, and a power drive for intermittently rotating said carrier, of a plunger axially movable and for carrying a flange into engagement with a clutch element on said carrier, an actuating means for reciprocating said plunger to forward and retracted positions, a second actuating means for reciprocating said carrier in an axial direction to forward and retracted positions, both of said actuating means being in timed relation to said power drive, and a guard means in alignment with said plunger and for cooperating with one of said clutch means and with said plunger in forward position thereof to supervise the location of a flange within said clutch element.

2,005,376
WALL STRUCTURE
Gustav H. Kaemmerling, Erie, Pa., assignor to Erie City Iron Works, Erie, Pa., a corporation of Pennsylvania
Application October 17, 1932, Serial No. 638,065
17 Claims. (Cl. 122—6)



1. In a wall structure, the combination of a series of tubes; and wall blocks each having a plurality of tube-embracing grooves, the walls of each groove engaging opposite sides of the tube embraced and forming seats for the tubes, said blocks being associated edge to edge to form a wall.

2,005,377
POWER PLANT
Alexander T. Kasley, Prospect Park, Pa., assignor to Delaware Chemical Engineering Company, Wilmington, Del., a corporation of Delaware
Application July 22, 1932, Serial No. 624,114
Renewed May 10, 1935
5 Claims. (Cl. 122—21)

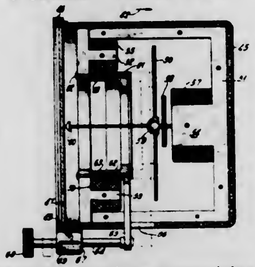


1. In a cyclic process for generating power, the steps of commingling a stream of low pressure steam and a stream of primary fluid comprising a concentrated solution capable of absorbing the steam with the evolution of heat, utilizing the latent heat of the steam and the heat of absorption by passing a separated body of secondary fluid in heat exchange relation with the commingling streams of primary fluid and low pressure steam, generating high pressure steam from the greater portion thereof, preheating said stream of primary fluid by passing it in heat exchange relation with the stream of spent primary fluid, and preheating said stream of secondary fluid by passing it in heat exchange relation with the residues from the generation of said high pressure steam.

2,005,378
MANUFACTURE OF CELLULOSE MATERIAL
Franz Kiel, Mannheim-Waldhof, Germany, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany, a corporation of Germany
No Drawing. Application November 9, 1932, Serial No. 641,947. In Germany December 16, 1931
2 Claims. (Cl. 92—21)

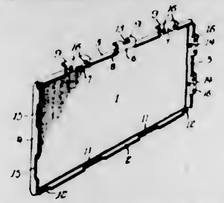
1. In a process for the manufacture of cellulose material of all kinds from unbleached cellulose, the step of preventing discoloration, particularly reddening of the material which comprises the impregnation of the fibrous material with a solution of stannous chloride.

2,005,379
AIRCRAFT DEVIATION INDICATOR
Charles Marcus, New York, N. Y., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 9, 1932, Serial No. 610,303
5 Claims. (Cl. 33—204)



5. A gyroscopic structure comprising a pair of current coils connected in series and wound in opposed relation to provide magnetic poles of opposite polarity, a voltage coil arranged so that the current therein is 90° out of phase with the currents in the current coils and providing a magnetic pole facing the poles of the current coils, and a universally mounted disc constituting the rotor of the gyroscope and interposed between the pole of the voltage coil and the poles of the current coils whereby eddy currents are induced in said disc so that the latter is rotated by the magnetic reaction between the fields produced by the currents in the disc and in the three coils.

2,005,380
TILE
Harry Marsh, Youngstown, and Robert M. Chesney, Warren, Ohio, assignors to Porcelain Tile Corporation, Warren, Ohio, a corporation of Delaware
Application September 26, 1932, Serial No. 634,844
6 Claims. (Cl. 72—18)



1. A tiled construction comprising a wall and sheet metal tiles cemented thereto, each of said tiles having U-shape channels on two of its margins, and each tile having on two of its margins portions to enter the channels of adjacent tiles to space all of the tiles in proper relation to one another and interlock them and prevent separation of the tiles from one another in the plane of the tiles.

2,005,381
RECOVERY OF INGREDIENTS OF PLASTIC MATERIALS
Homer R. McDougal, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application May 21, 1932, Serial No. 612,852
7 Claims. (Cl. 260—103)

2. The process of recovering the valuable components of moisture-resistant plastic materials containing in addition to a cellulose ester base, a cellulose ester plasticizer selected from the group consisting of triphenyl phosphate, orthobutyl para-toluene sulfonate, butyl sulfone, ethyl acetanilide, monochlornaphthalene, ethyl benzoate, tricresyl phosphate, and diethyl phthalate, ester gum, and paraffin wax, which comprises leaching out the plasticizer, gum and wax with a hydrocarbon liquid which is a cellulose ester nonsolvent, but a common solvent for the plasticizer, gum and wax, distilling off the solvent from the resulting solution, adding a gum-wax precipitant to the residue, removing the precipitated gum and wax, and separating the plasticizer in pure form from the precipitant.

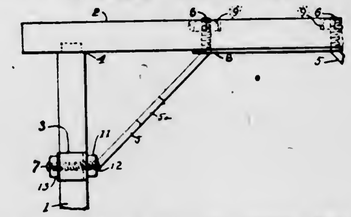
2,005,382
RUBBER FOR ELECTRICAL INSULATION AND WATER RESISTANT MATERIALS AND METHOD OF PRODUCING THE SAME
John McGavack, Leonia, and Ralph F. Tefft, Nutley, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 26, 1931, Serial No. 547,174
8 Claims. (Cl. 106—13)

1. As a composition of matter, creamed latex containing wax dispersed therein and an ammonium soap of the wax, said latex being substantially devoid of non-volatile water-soluble substances.

2,005,383
HYDROLYSIS OF CELLULOSE ESTERS
Thomas F. Murray, Jr., and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 20, 1932, Serial No. 594,387
18 Claims. (Cl. 260—102)

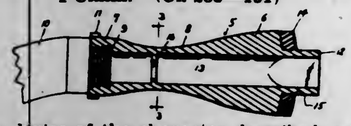
1. The hydrolysis of an organic ester of cellulose in solid form which comprises treating it with a hydrolyzing bath essentially consisting of an alcohol and an inorganic salt selected from the group consisting of zinc iodide and ferric chloride.

2,005,384
LADDER
Manuel A. Nunes, Santa Clara County, Calif.
Application June 23, 1934, Serial No. 732,067
1 Claim. (Cl. 228—59)



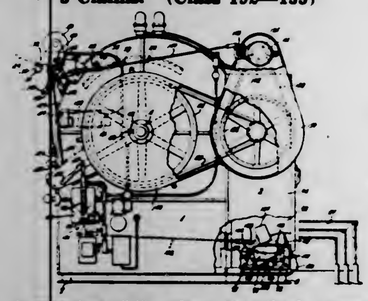
The combination with the stiles of a ladder and the connecting tread or cross member, of brace means disposed across the opposing angles formed by the stiles and tread, a tie plate disposed on the tread and longitudinally thereof, one end of each brace means passing through the tie plate and tread and the other end passing through an adjacent stile, and fastening means on each end of each brace means disposed to engage the tread and stiles respectively.

2,005,385
OUTBOARD MOTOR WASHER
William Y. O'Hara, Waipahu, Territory of Hawaii
Application September 19, 1933, Serial No. 690,168
1 Claim. (Cl. 285—161)



In a device of the character described, a body having a bore extending therethrough, said body having an enlarged end, and a relatively small end, said body tapering from its ends to an intermediate portion, said body at its smallest end being threaded for screw threaded engagement with the nipple of a hose, and at its largest end being provided with a spout adapted to be inserted in the outlet port of an engine or the like, for flushing the latter.

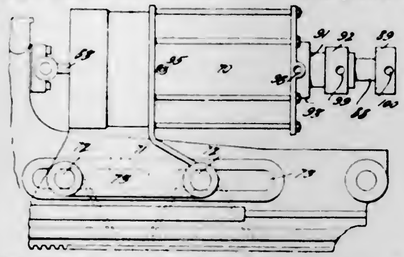
2,005,386
DRYING TUMBLER
Charles M. Otis, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Original application July 17, 1931, Serial No. 551,403. Divided and this application March 17, 1933, Serial No. 661,362
5 Claims. (Class 192—135)



1. Apparatus of the class described, comprising a casing having a door opening therein, a rotatable goods containing cylinder in said casing, a plurality of aligned doors in said cylinder, and a common locking member carried by said cylinder and movable into locked position by opening of any one of said cylinder doors, whereby to prevent rotation of said cylinder when any one of the doors thereof is in open position.

2,005,387
TAPERING MECHANISM
George M. Pelton, deceased, late of Milwaukee, Wis., by Herbert W. Knox, administrator, Milwaukee, Wis., assignor to The Filer & Stowell Company, Milwaukee, Wis., a corporation
Original application August 11, 1930, Serial No. 474,583. Divided and this application July 20, 1931, Serial No. 552,003
8 Claims. (Cl. 121—45)

1. In a tapering mechanism a cylinder, a power piston in one end of said cylinder, three pistons arranged at the opposite end of the cylinder, the first of said pistons being normally in contact with the end of the cylinder, the second of said pistons overlying and normally in contact with the first piston, the third of said pistons overlying and normally in contact with the second piston, means carried by the first piston to engage the cylinder in the operation of that piston and limit the movement of the piston, means carried by the second piston to engage the limiting means carried by the first piston in the movement of the second piston to thereby limit the movement of the second piston, means carried by the second piston to



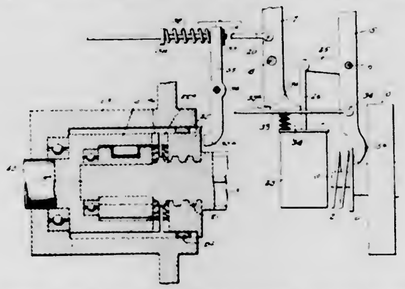
limit the movement of the third piston, and means for selectively admitting fluid under pressure between the first piston and the end of the cylinder, between the first and second pistons and between the second and third pistons, the movement of any one of said pistons being communicated to the power piston.

2,005,388
WIRELESS APPARATUS
Albert Vinten Pettman and William Reed-Lethbridge, Auckland, New Zealand
Application August 22, 1933, Serial No. 686,284
In New Zealand September 2, 1932
3 Claims. (Cl. 250—20)

1. In wireless apparatus, a receiving set, an aerial, a high inductance, a variable resistance associated therewith, each connected to the aerial at the signal incoming end, their other ends connected to the receiving set, tuned inductances connected to the incoming ends of the inductance and resistance and their other ends connected to the earth terminal of the receiving set.

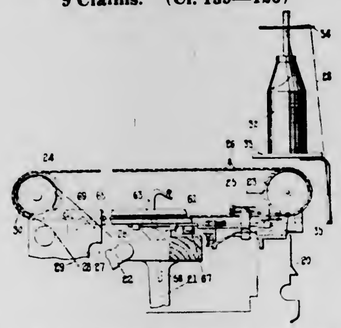
2,005,389
MOTOR VEHICLE TRANSMISSION CONTROL
Charles F. Pilcher, St. Louis, Mo.
Application August 2, 1932, Serial No. 627,268
3 Claims. (Cl. 192—48)

3. In a vehicular transmission, a mechanism for transmitting power from an internal combustion engine to the driving wheels of the vehicle and comprising an overrunning clutch, a shiftable cooperating clutch member for engagement with the overrunning clutch for either driving the engine from the driving wheels for braking purposes or for driving the vehicle backward according to the direction of rotation of the shiftable clutch member, a stationary housing surrounding the shiftable clutch member, a friction ring disposed circumferentially of the shiftable clutch member and cooperable with said clutch



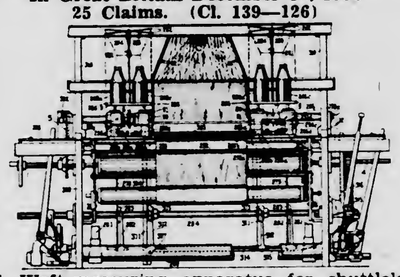
member and wall of the housing to impede rotative movement of said clutch member, said ring being shiftable with said clutch member, a brake control rod, and an operating connection between said rod and clutch member for forcibly shifting the clutch member into engagement with the overrunning clutch incidental to a movement of the brake control rod in a brake applying direction.

2,005,390
SHUTTLELESS LOOM AND THREAD MEASURING AND CUTTING MECHANISM THEREFOR
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 16, 1933, Serial No. 702,764
In Great Britain December 31, 1932
9 Claims. (Cl. 139—126)



1. Weft measuring apparatus for a shuttleless loom comprising weft drawing means adapted to draw from a supply towards the fell of a fabric loops of weft sufficient for two picks of weft in said fabric, a single movable trapper adapted to grip the weft, means for actuating said trapper to carry the weft across the path of said drawing means, weft cutting means, and means for actuating said cutting means to cut one limb of each loop when the other limb has been inserted as a pick into the fabric, said weft cutting means being disposed past said trapping means along the path of said drawing means so as to sever such loops with unequal limb lengths, the amount of weft available in the first limb for the first pick being substantially greater than the amount of weft in the second limb.

2,005,391
SHUTTLELESS LOOM AND WEFT-SELECTING MECHANISM THEREFOR
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 16, 1933, Serial No. 702,765
In Great Britain December 31, 1932
25 Claims. (Cl. 139—126)



1. Weft-measuring apparatus for shuttleless looms in which weft is drawn in loop lengths prior to insertion into the warps, said apparatus comprising a plurality of movable trapping means, drawing means movable with respect to the said trapping means, means to move each of the trapping means separately to enable each such means to draw a length of weft trapped therein from a supply, and selector means adapted to bring about engagement between the trapping means and the supply of the drawing means with the length of any particular weft drawn from its supply by one of the trapping means.

2,005,392
COMBINATION SNOWPLOW
William Frank Remus, Pembroke, Ontario, Canada
Application April 18, 1933, Serial No. 666,741
8 Claims. (Cl. 37—44)

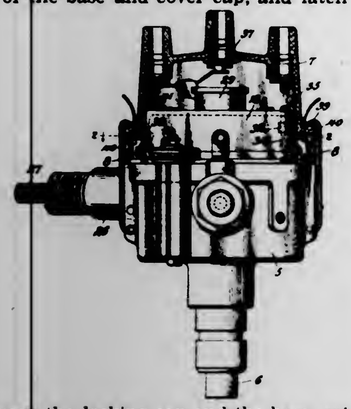


1. A combination snow plow including a frame or chassis; a front shoe supported on said frame or chassis; means for tilting either the forward or rear portion of said shoe separately or raising and lowering said forward and rear portions of the shoe together; angles on opposite faces on the inside of said shoe adapted to bear against said frame or chassis for guiding said shoe when raising and lowering the same; front scraper blades carried by said shoe; a pair of rear side scrapers; blades for said scrapers; means for hingedly mounting said rear side scrapers and blades at the sides of said chassis and adjusting said rear side scrapers and blades vertically; and means controlled from the rear of said chassis for adjusting said rear side scrapers and blades toward and away from one another.

2,005,393
LOCKING MEANS FOR DISTRIBUTORS
Edward Rick and Joseph Bonnie, Fresno, Calif.
Application September 19, 1934, Serial No. 744,742
15 Claims. (Cl. 200—19)

1. A distributor lock comprising a base, a cover cap thereon, a locking cap enclosed by said cover

cap and mounted for bodily movement independent of the base and cover cap, and latch means



between the locking cap and the base, said latch means being operable by the bodily movement of said locking cap.

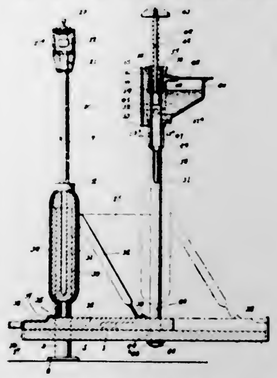
2,005,394
AUTOMATIC PHOTOGRAPHIC SHUTTER
William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application September 14, 1934, Serial No. 743,999
13 Claims. (Cl. 95—63)



1. In a photographic shutter including shutter leaves, leaf operating mechanism, and a movable trigger for controlling the leaf operating mechanism, the combination with an automatic shutter operating mechanism, of a latching plate movably mounted with respect to the trigger and automatic shutter operating mechanism and adapted to hold one or the other against sufficient movement to operate the shutter leaves.

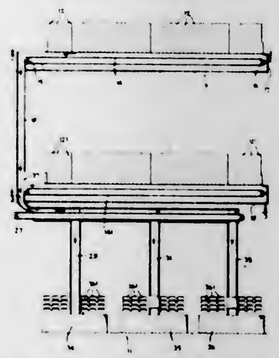
2,005,395
FOOD PREPARING DEVICE
Charles W. Rothfeld, Philadelphia, Pa.
Application January 3, 1933, Serial No. 650,029
8 Claims. (Cl. 99—2)

1. In a device of the character described, a support, a cross head positioned above said support, upstanding vertically movable spring controlled means carrying said cross head and fixedly secured to said support, a set of downwardly directed spaced electrically heated piercing and cooking elements carried by the cross head, a food holder member secured in an upright position with respect to said support and having a set of depressions in one face thereof corresponding in number and position to said piercing and cooking elements, a second food holder member hingedly mounted with respect to said support adjacent said first food holder member and on the side thereof having said depressions, said second member having a set of depressions complementary to those in said first member whereby when in its upright position it will form with said first member a set of spaced food holders, and said members being spaced apart adja-



cent the upper portion of each food holder when said second member is in upright position to admit the respective piercing and cooking elements for the purpose of piercing and cooking from the interior thereof the food contained in the holders.

2,005,396
CARRIER SYSTEM
Joseph M. Scanlan, Great Neck, N. Y., assignor to G & G Atlas Systems, Inc., New York, N. Y., a corporation of New York
Application December 19, 1931, Serial No. 582,024
10 Claims. (Cl. 243—19)



1. In a central station installation for pneumatic carrier systems embodying a plurality of sub-stations and a plurality of tubes arranged to transmit carriers from any sub-station in the system to any other through the central station, a single channeled conveyor adapted to receive carriers from said tubes, multi-channelled means adapted to selectively receive said carriers directly and without lifting from said conveyor for selectively conveying said carriers to a plurality of dispatch points, and tube inlets adjacent said dispatch points grouped in relation to the selection made at said multi-channeled means to receive carriers for transmission to selected destinations.

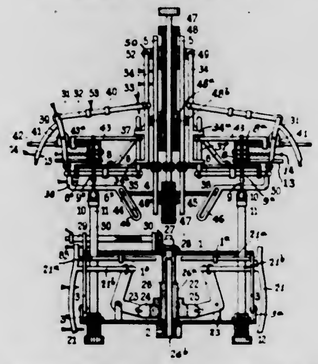
2,005,397
MANUFACTURE OF STRENGTHENED ABSORPTIVE PAPER
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Continuation of application Serial No. 554,598, August 1, 1931. This application January 21, 1933, Serial No. 652,939
4 Claims. (Cl. 91—68)

1. As an article of manufacture intended especially for such use as toweling, a dry paper web containing distributed therethrough about ¾% of regenerated cellulose, said web also containing distributed therethrough a smaller amount of solid wetting-out agent of sufficiently high wetting-out effectiveness to render said web capable of imbibing water practically instantaneously.

2,005,398
ESTERIFICATION OF CELLULOSE WITH A MODIFIED PERCHLORIC ACID CATALYST
Cyril J. Staud, Rochester, N. Y., and James D. Coleman, Columbus, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application March 4, 1932, Serial No. 596,902
10 Claims. (Cl. 260—101)

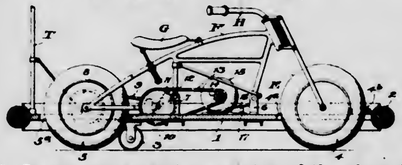
1. The acylation of cellulosic material having free and esterifiable hydroxyl groups in the presence of a catalyst essentially consisting of a mixture of perchloric and phosphoric acids.

2,005,399
APPARATUS FOR THE TAILORING TRADE FOR REPRODUCING THE SHAPE OF THE BODY OF THE CUSTOMER
Ernst Sterling, Magdeburg, Germany
Application November 14, 1929, Serial No. 407,260
In Germany August 5, 1929
4 Claims. (Cl. 223—18)



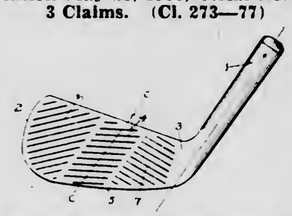
1. A tailor's dummy, comprising in combination a casing composed of a plurality of mutually displaceable elements of different shapes, holders connecting said elements, a framework in said casing and composed of an upper frame at the chest portion of the dummy and a lower frame at the belly portion of the dummy, each of said frames comprising a plate, a plurality of members radially shiftable relative to said plate, a common central element, levers connecting each of said members to said central element, means projecting from said members and connected to said holders, and a vertical spindle engaging said central element and adapted to be rotated to vertically displace said central element to radially shift said members through the intermediary of said levers to vary the girth of said casing at the chest and belly portions of the dummy respectively, and means for mutually displacing said frames in vertical direction to adjust the length of said casing.

2,005,400
AMUSEMENT APPARATUS
Harold Stoehrer, Manatee, Fla., and Fred L. Markey, Exeter, N. H., assignors to Dodgem Corporation, Lawrence, Mass., a corporation of Massachusetts
Application January 25, 1934, Serial No. 708,320
4 Claims. (Cl. 180—2)



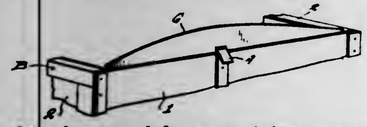
1. In an amusement apparatus of the class described, including an electrically charged floor and a ceiling, a vehicle comprising a platform having front and rear openings, metallic travellers carried by the under side of the platform, a bicycle frame mounted on the upper side of the platform and including a dirigible front wheel projecting through one of the openings of the platform and a rear traction wheel projecting through the other opening in the platform and both wheels adapted to engage the surface on which the vehicle travels, an electric motor mounted on the platform, means for connecting the motor with the rear traction wheel of the bicycle, and means including a trolley and foot operated switch means located on the platform at each side of the cycle frame adapted to selectively place the motor in circuit with the charged ceiling and floor.

2,005,401
GOLF CLUB
Leon A. Storz, Worcester, Mass.
Application May 20, 1933, Serial No. 672,069
3 Claims. (Cl. 273—77)



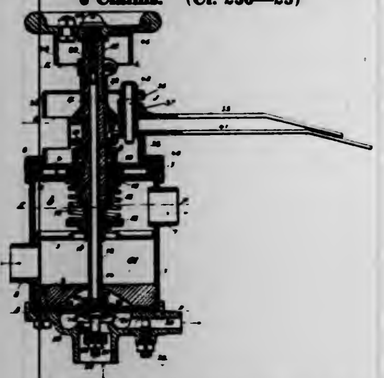
1. A golf club head or blade having, in a central zone of its face, scorings substantially parallel to the sole of said head, the outer zone of said face having scorings at such an inclination to the first-named scorings that when the club head arrives at the bottom of the swing in a faced-backward position (Fig. 2), said outer zone scorings, which then become effective on the ball, tend to assume a position substantially horizontal or parallel with the ground, thereby imparting substantially as much back-spin as though the ball had been struck by the central zone of the club face.

2,005,402
EDGE GUARD
James W. Trew, Gettysburg, Pa., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a corporation of Pennsylvania
Application October 30, 1934, Serial No. 750,701
10 Claims. (Cl. 217—3)



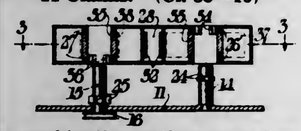
1. An edge guard for a container comprising a band to be positioned along an upper edge of the container and extending above such edge, and means within the field defined by the margins of the band and extending laterally therefrom and in a direction toward the lower margin of the band to engage the upper edge of the container to hold the band in applied position.

2,005,403
COMBINED GAS AND LIQUID SHUT-OFF DEVICE FOR GAS HEATED LIQUID HEATERS
Eugen Wender, Sinsheim (Elsenz), Germany
Application September 28, 1931, Serial No. 565,587
In Germany October 2, 1930
6 Claims. (Cl. 236—25)



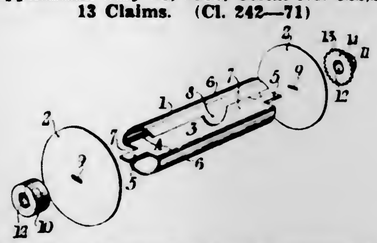
1. A combined gas and liquid control device for gas heated liquid heaters with mechanically controlled means for common operation and release of a liquid and a gas valve and with a casing divided into a gas chamber and a liquid chamber, comprising a liquid valve provided with throttling means and influenced by the liquid pressure, a spring which loads the gas valve and loosely connects the gas valve with the liquid valve by said pressure.

2,005,404
MOTION PICTURE FILM MAGAZINE
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application June 14, 1932, Serial No. 617,141
11 Claims. (Cl. 88—16)



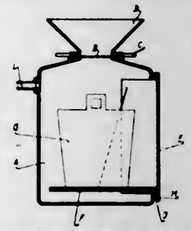
1. The combination with a magazine adapted to contain motion picture film, of a pair of film cores rotatably mounted in said magazine and each provided with an axial hole, and a plurality of teeth within each hole and adjacent one end of each core, said cores being inverted with respect to each other and available to both sides of said magazine.

2,005,405
PHOTOGRAPHIC FILM CARTRIDGE AND SPOOL FOR USE THEREIN
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application July 13, 1932, Serial No. 622,298
13 Claims. (Cl. 242—71)



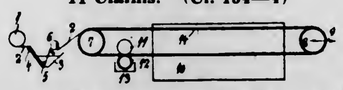
8. A photographic film spool comprising a core and flanges attached thereto, said core comprising a single piece of metal and being S-shaped in cross section.

2,005,406
SUCTION FILTER
Heinrich Zimmer, Varnsdorf, Czechoslovakia
Application February 16, 1934, Serial No. 711,592
In Germany December 2, 1932
1 Claim. (Cl. 210—149)



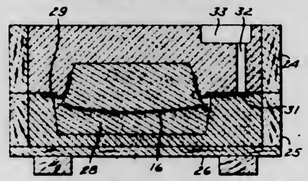
A filter comprising a tank having a top and a bottom and side walls, the top being tapered upwardly and having an opening formed therein, a sieve covering the opening in the top and having marginal portions resting upon the top about the opening, a funnel disposed over the top and having its lower end resting upon the marginal portions of the sieve, an outstanding flange being provided about the lower end of the funnel, fasteners pivotally carried by the top in spaced relation to each other circumferentially of the opening and having outstanding handles whereby the fasteners may be turned into and out of position for engaging the flange and clamping the funnel and sieve in place, a suction pipe leading from said tank near the upper end thereof, an opening being formed in the side walls of the tank, a door hinged at one side to the outer face of the side walls of the tank for movement into and out of position to close the opening in the side walls, a platform projecting from the inner face of said door adjacent the lower end thereof and disposed within the tank when the door is closed, vertical webs extending between side portions of the door and platform to brace the platform against downward strain, a removable receptacle resting upon said platform and disposed under the sieve when the door is closed, grooves formed in the inner face of the door adjacent margins thereof, packing mounted in the grooves and projecting from the inner face of the door for engaging the outer face of walls of the tank about the side opening when the door is closed, and means to releasably secure the door closed and apply pressure to the packing to form a tight joint about margins of the door.

2,005,407
METHOD OF MANUFACTURING IMPREGNATED TEXTILE BELTING
Alfred Abrahamsen and Johannes Eugen Hansen, Lillesand, Norway
Application June 8, 1933, Serial No. 674,949
In Norway May 21, 1932
11 Claims. (Cl. 154—4)



8. A method of manufacturing laminated driving and conveyor belting comprising impregnating a fabric strip with an aqueous dispersion of rubber, passing the impregnated fabric strip while wet in belt fashion about two spaced rolls, winding the strip about said rolls to form a laminated endless belt, increasing the space between the rolls while the laminated endless belt is still moist to stretch the same, and drying the belt while in a stretched condition.

2,005,408
FAN INLET GUARD AND A METHOD OF MANUFACTURING THE SAME
Matthew C. Allin, Weston, Ontario, Canada, assignor to Riley Engineering & Supply Co. Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application February 21, 1933, Serial No. 657,824
8 Claims. (Cl. 22—203)

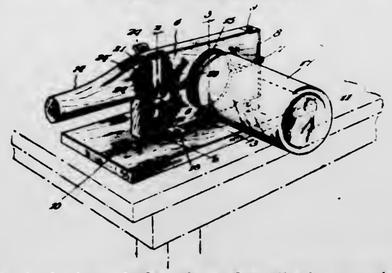


4. The method of manufacturing a fan inlet guard comprising the steps of providing a substantially circular wire-mesh screen, bending the screen into a dished shape, and casting an annular metal frame into engagement with the peripheral portion of the screen.

2,005,409
PROCESS OF PRODUCING ALLOYS
William Bell Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron Corporation of America, Baltimore, Md., a corporation of Maryland
No Drawing. Application August 15, 1931, Serial No. 557,371
6 Claims. (Cl. 75—45)

1. In the production of rustless irons and steels, the method of eliminating silicon from a bath of iron or steel having a high percentage of chromium and an objectionable amount of silicon which comprises, forming thereon a basic iron oxide slag substantially free from oxides of chromium, and maintaining the temperature of the bath between 2800° F. and 3000° F., whereby the silicon contained in said bath is selectively oxidized thereby achieving iron and steel high in chromium and substantially free of silicon and substantially free from chromium oxide inclusions.

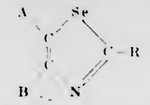
2,005,410
FRUIT JAR OPENER AND TIGHTENER
Emil A. Balz, Athens, Wis.
Application April 9, 1934, Serial No. 719,802
5 Claims. (Cl. 81—3.3)



1. A device of the class described comprising pivotally connected relatively stationary and movable jaws provided with coacting seating recesses adapted to receive the screw cap of a container, the movable jaw being extended longitudinally beyond the stationary jaw to form an operating handle, spaced guide strips secured to the stationary jaw and adapted to receive the movable jaw, and means extending through the stationary jaw and guide strips for clamping said guide strips in contact with the movable jaw.

2,005,411
SELENAZOLES AND PROCESS FOR PREPARING THEM
Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application June 29, 1932, Serial No. 619,959
16 Claims. (Cl. 260—44)

1. A base of the structure—



in which A and B represent hydrogen, an alkyl group, or an aryl group of the benzene series, and R represents an alkyl group.

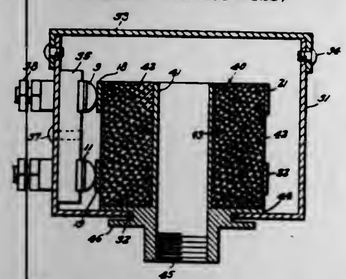
2,005,412
PLATINUM CONTACT MASS CONTAINING PROMOTER AND METHOD OF MAKING SAME
Gerald C. Connolly and Jeremiah A. Pierce, Baltimore, Md., assignors, by mesne assignments, to Chester F. Hockley, as receiver for The Silica Gel Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application February 7, 1931, Serial No. 514,317
10 Claims. (Cl. 23—175)

7. The contact process for the manufacture of sulphuric acid which includes passing a gas mix-

ture containing sulphur dioxide and oxygen over a contact mass, said contact mass comprising a porous adsorbent carrier impregnated with platinum and having a promoter for the platinum associated therewith, said promoter being chosen from the group of substances consisting of a compound of the metals iron, nickel, aluminum, copper, bismuth, molybdenum, beryllium, vanadium, tin, chromium, and manganese, and being present in an appreciable amount up to and not exceeding 5% by weight of said contact mass.

10. A contact mass comprising a porous adsorbent carrier including a reinforcing substance and impregnated with platinum and a promoter substance for the platinum.

2,005,413
SWITCH STRUCTURE
Earl J. Dyess, Longview, Tex.
Application May 8, 1934, Serial No. 724,564
1 Claim. (Cl. 173—328)



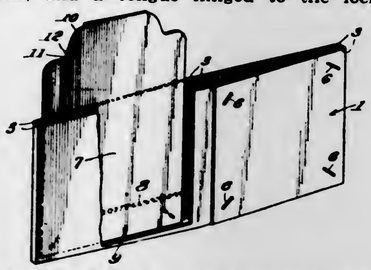
In combination with an electrical conduit, a casing having contact brushes therein, a di-electric head for the conduit, said casing being provided with an opening through which said head can be inserted, said bead being provided with contacts for engagement with the said brushes, said head being provided with a tubular conduit section extending therethrough, a base plate on the conduit section against one end of the head, a conduit receiving socket at the end of the conduit section adjacent said base plate, and a flange on the said socket in spaced relation to the base plate, said flange being adapted to limit upward movement of the said head into the casing.

2,005,414
CELLULOSE DERIVATIVE COMPOSITION
Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1932, Serial No. 598,311
8 Claims. (Cl. 106—37)

1. A composition comprising a cellulose derivative and an ester of a polycarboxylic acid of at least 5 carbon atoms wherein the hydrogen atom of at least one carboxyl group is replaced by a radical from the group consisting of crotyl, oleyl, cinnamyl, allyl, butadienyl, linalyl, geranyl, erucyl, and undecylenyl.

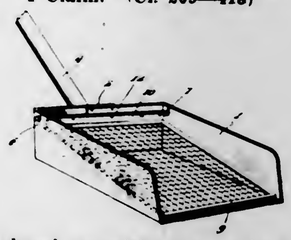
2,005,415
FOLDING BERRY BOX
Henry M. Ebner, Cameron, Wis.
Application September 18, 1933, Serial No. 690,007
1 Claim. (Cl. 229—23)

A box comprising foldable side walls and one of said walls including inner and outer permanently connected panels, said inner panel having a slot and a cut away portion communicative with said slot to form spaced shoulders lying above the lower wall of the slot, a bottom hinged to one of the walls, a locking flange on the bottom, and a tongue hinged to the locking



flange and adapted to be positioned between the panels by way of the slot and cutaway portion and the latter permitting the tongue to enter freely into the slot to bring the locking flange to underlie the shoulders for preventing accidental movement of the tongue out of said slot.

2,005,416
COAL SHOVEL
John H. Fisher, Elyria, Ohio
Application July 13, 1933, Serial No. 680,302
1 Claim. (Cl. 209—418)

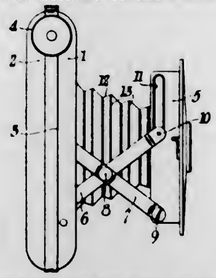


A coal shovel comprising a scoop having pivot openings in its sides at the upper rear corners thereof and a slot rising from one of said openings through the upper edge of the side of the scoop, a handle secured on the back end of the scoop at the bottom thereof and extending upwardly and rearwardly therefrom, a screen, a reenforcing frame secured around the edges of the screen and having its rear end extended relatively upward for the full width of the frame, and a straight pivct rod secured rigidly to the free edge of the extended rear end of the frame with its ends projecting beyond the sides of the frame, one end of said rod having flattened sides whereby it may pass through the slot in the edge of the scoop and rotatably seat in the opening below the slct and the opposite end of the rod being circular in cross section whereby it may rotatably seat in the opening in the adjacent side of the scoop upon endwise movement of the rod and screen after the flat-sided end of the rod is seated.

2,005,417
AIR VENT FOR CAMERA BELLOWS
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application April 20, 1934, Serial No. 721,470
4 Claims. (Cl. 95—39)

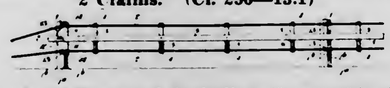
1. In a photographic camera having a bellows and a shutter, the combination with a shutter

casing including a rearwardly extending lens tube having an annular slot there around and slots leading radially away from the tube, of a means for attaching the bellows to the shutter including



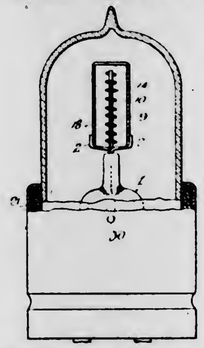
a plate adapted to engage said bellows and having an annular flange projecting into the annular shutter recess, and means for holding said plate and bellows tightly against an unslotted portion of said camera shutter.

2,005,418
TRAFFIC GUARD
George A. Gleason and Albert P. Hayden, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 21, 1933, Serial No. 690,458
2 Claims. (Cl. 256—13.1)



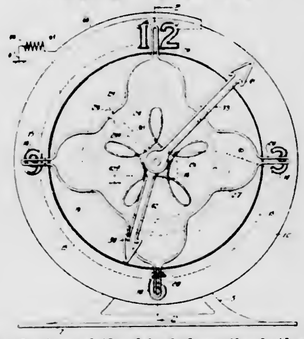
1. A traffic guard including the combination of a post, a spring-steel strip bent in the form of a goose-neck and having one end mounted on said post, and a guard rail mounted by the other end of said spring-steel strip and extending horizontally away from said post, said strip and guard rail being interconnected by adjustable means whereby the tension applied to the latter by the former may be varied.

2,005,419
VACUUM DEVICE
Robert F. Gowen, Ossining, N. Y., and James L. Bradford, Elizabeth, N. J., assignors, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application April 3, 1918, Serial No. 226,537
7 Claims. (Cl. 250—27.5)



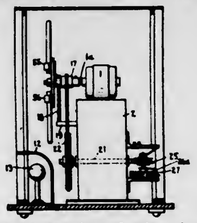
1. A vacuum device comprising a filament and grid electrode, a plate electrode comprising a single piece of metal with a central opening cut therethrough and bent downwardly on opposite sides of said central opening.

2,005,420
DISPLAY SIGN
William B. F. Hall, Fort Wayne, Ind.
Application March 14, 1934, Serial No. 715,392
17 Claims. (Cl. 40—130)



1. In a device of the kind described, the combination of a stationary support, a dial on said stationary support and having characters thereon, illuminable hands operatively associated with said dial, a second support rotatively mounted on said stationary support coaxial with said dial and hands, illuminable means on said second support and arranged as a design, means for moving said hands relative to the dial and to each other, means for rotating said second support at a speed different from that of the hands, and means for causing illumination of said hands and said illuminable means at desired intervals.

2,005,421
LIGHT DISPLAY APPARATUS
John M. High, New York, N. Y.
Application September 30, 1932, Serial No. 635,623
4 Claims. (Cl. 240—10.1)

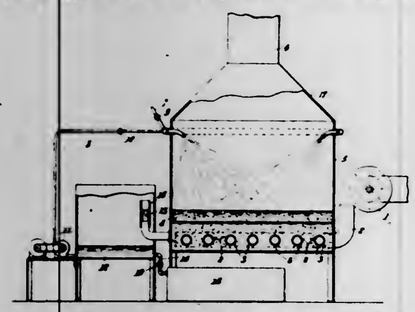


1. In an optical display device, in combination, a rotary shaft, a lamp mounted thereon for rotation, a motor for driving said shaft, and means driven by said motor for causing the rate of speed of rotation to vary in a predetermined manner, said means comprising a wire wound rheostat having its resistance non-uniformly disposed throughout its length, a wiper for engaging said rheostat, and a driving connection between said motor and said wiper.

2,005,422
METHOD OF CONCENTRATING WASTE LIQUORS
Clarence C. Hunicke, Palisade, and Charles L. Wagner, Boonton, N. J.
Application October 31, 1933, Serial No. 696,092
2 Claims. (Cl. 252—7)

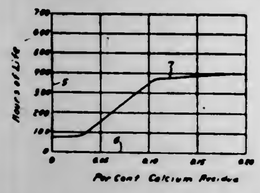
1. The method for the concentration of sulphite waste liquors from the pulp industry which con-

sists in emitting hot flue gases into said waste liquors and bubbling same through a predetermined maintained column of waste liquors, breaking up the bubbles to a predetermined size and



exhausting the moisture laden gases while contemporaneously spraying the surfaces of the waste liquor column to maintain its predetermined height and abate any foam.

2,005,423
ALLOY
Matthew A. Hunter, Troy, N. Y., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
Application January 18, 1933, Serial No. 652,259
3 Claims. (Cl. 75—1)



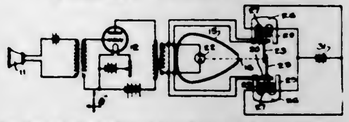
1. An electric resistance element consisting essentially of nickel substantially 80 percent, chromium substantially 20 percent and from .03 to .2 percent calcium.

2,005,424
BROADHEAD HUNTING POINT
Frank Kindle and Roy Emmit Speck, Pendleton, Ind.
Application September 20, 1930, Serial No. 483,349
6 Claims. (Cl. 273—106.5)



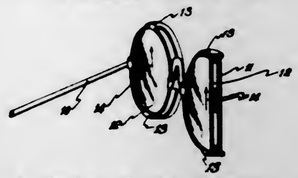
1. An arrow head, comprising a triangular body portion and a shank integrally joined to the base thereof and adapted to be secured to the end of an arrow shaft, the sides of said body portion being sharpened to provide cutting edges, said body portion being symmetrically tapered laterally from its median line, and its greatest thickness ahead of the trailing ends of such sharpened edges being less than one-eighth (⅛) the width between the two trailing points of said head and materially less than the thickness of said shank, said shank being gradually tapered at its forward end to provide an uninterrupted surface at said joint.

2,005,425
REGENERATIVE SOUND RECORDING DEVICE
Bernard Kwartin, Brooklyn, N. Y.
Application February 3, 1931, Serial No. 513,100
6 Claims. (Cl. 179—100.3)



1. In an apparatus for photographically recording sound vibrations, in combination, means responsive to the sound vibrations for converting the latter into corresponding electrical current variations, a light source arranged to be variably energized by said current variations for producing light variations corresponding to said sound variations, a pair of cooperating shutters arranged in advance of said light source and movable toward and away from each other, the inner ends of said shutters being relatively so arranged and complementally formed that upon movement of said shutters relatively to each other there is formed therebetween an opening variable in depth and in width, and means for effecting the movement of said shutters relatively to each other accordingly as the intensity of the said light source is varied.

2,005,426
POLARIZING VIZOR OR SUNSHADE
Edwin H. Land, Wellesley Farms, Mass.
Application November 3, 1933, Serial No. 696,459
10 Claims. (Cl. 88—41)



1. In a device of the character described, ophthalmic mounting means, and a plurality of pairs of cooperating light-polarizing bodies, at least one body of each of said pairs being firmly held by said mounting means in a position adapted to substantially eliminate specular glare, and at least one other body of each of said pairs being adjustably held by said mounting means in position to coperate with said first-mentioned body in the elimination of diffuse glare.

2,005,427
TILING AND THE LIKE
George H. Lenke, Elmhurst, Ill., assignor of one-half to Julius J. Ohlis, Oak Park, Ill.
Application September 28, 1933, Serial No. 691,293
8 Claims. (Cl. 72—19)



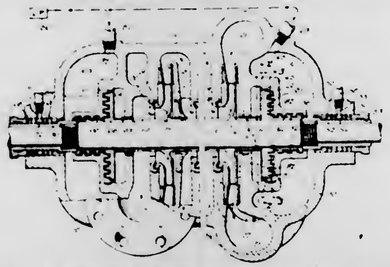
8. As an article of manufacture, an attaching member for mortised tile members and the like, said attaching member having a base portion for attachment to a support, an outstanding tenon on said base portion, a head at the outer end of said tenon, and yieldable oblique wings on said base portion at opposite sides of said tenon for yieldingly seating the mortised tile members and the like and yieldingly pressing said members into engagement with the head of the tenon.

2,005,428
SHOE SIZE MEASURING DEVICE
Lester L. Levy, Brooklyn, N. Y.
Application October 30, 1933, Serial No. 695,857
4 Claims. (Cl. 33—3)



1. A shoe size measuring device comprising a scale bar, a heel bar rigidly and immovably affixed to one end of the scale bar at the middle thereof and providing a pair of extensive heel abutment members, a member slidably mounted on said scale bar solely for longitudinal movement thereon and providing a toe abutment portion for each of said heel portions, a pair of shoe size scales of different ranges provided on a face of said scale bar, said scales being arranged in parallel relation, said heel bar and slidable member being parallel and of the same length whereby the spaces between said pair of heel and toe portions are adapted to simultaneously receive the feet of the individual whose shoe size is to be measured.

2,005,429
CENTRIFUGAL PUMP AND THE LIKE
Joseph Lichtenstein, Brooklyn, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 21, 1932, Serial No. 600,085
16 Claims. (Cl. 103—112)



1. In a device adapted to operate with liquids at high pressure, a rotor and a housing, a stuffing box carried by said housing and cooperating with said rotor, a passage having radial baffles therein and adapted to have radial flow of liquid therein toward the periphery thereof, fixed and rotatable members forming a radial labyrinth seal communicating at its outer end with said passage and adapted to have radial flow of said liquid through said labyrinth toward the axis of said rotor and causing rotational flow of said liquid about said axis whereby centrifugal force is developed to oppose said flow, and a chamber for receiving the liquid after passage through said radial labyrinth seal and in communication with said stuffing box.

2,005,430
ALLOY
James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application October 12, 1934, Serial No. 748,083
3 Claims. (Cl. 75—1)

1. A nickel-chromium alloy containing 15 percent to 25 percent chromium, 1 to 20 percent molybdenum, 0.1 to 1.0 percent zirconium and 0.01 to 0.20 percent calcium balance nickel.

2,005,431
ALLOY
James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application October 12, 1934, Serial No. 748,084
2 Claims. (Cl. 75—1)

1. A nickle-chromium alloy containing 15 to 25 per cent chromium, .01 to .20 percent calcium, .01 to .50 percent zirconium and .01 to 1 percent aluminum, balance nickel.

2,005,432
ALLOY
James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 4, 1935, Serial No. 359
5 Claims. (Cl. 75—1)

5. A nickel-chromium-iron alloy containing from 10 to 18 percent chromium, 17 to 30 percent iron, 1 to 20 percent molybdenum .1 to 1.0 percent zirconium, .01 to .2 percent calcium, balance nickel.

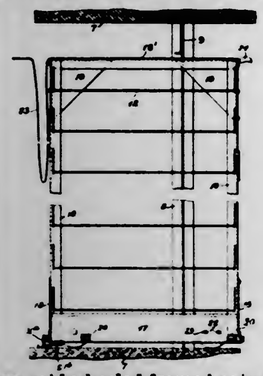
2,005,433
ALLOY
James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 4, 1935, Serial No. 360
3 Claims. (Cl. 75—1)

1. A nickel-chromium-iron alloy containing 10 to 15 percent chromium, 25 to 30 percent iron, .01 to .20 percent calcium, .01 to .50 percent zirconium and .01 to 1.0 percent aluminum, balance nickel.

2,005,434
CONVERTIBLE BOOKSTACK
Angus S. Macdonald, New York, N. Y., assignor to Snead & Company, Jersey City, N. J., a corporation of New Jersey
Application January 6, 1932, Serial No. 585,008
8 Claims. (Cl. 189—34)

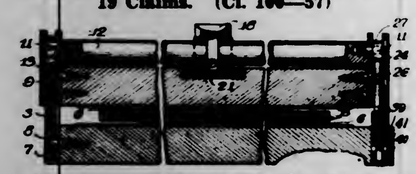
1. In a convertible metallic bookstack, the combination of pairs of uprights each pair having shelf supporting means, and each pair having de-

tachable means whereby they may be associated with permanent library structure to provide ranges of normally fixed stacks and also means adapting them to be attached to a wheeled frame to enable conversion from a fixed stack into a



rolling case, said wheeled frame having end members to which said uprights are attached through the medium of said last mentioned means, and said uprights when so attached constituting the uprights of the rolling case, and shelves carried by the uprights.

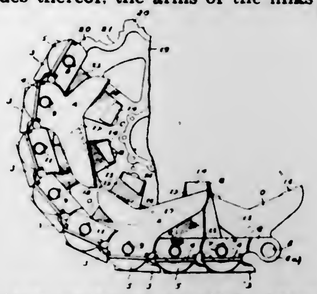
2,005,435
APPARATUS FOR PRESSING CLOTHING
Sam H. MacFarland, Evanston, Ill.
Application July 7, 1934, Serial No. 734,139
19 Claims. (Cl. 100—57)



1. In apparatus for pressing clothing, in combination, a rigid bottom plate, a rigid top plate, said plates being hinged together along one edge, an upstanding ear on one edge of the bottom plate, an upstanding ear on the opposite edge of the bottom plate and opposite the first mentioned ear, a pair of keepers on the top plate through which said ears have sliding movement, and means extending across the upper surface of the top plate for simultaneously causing each of said ears to slide vertically through its respective keeper to move said plates toward each other to press an article of clothing therebetween.

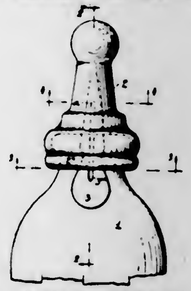
2,005,436
TRACK ASSEMBLY
Wesley K. McMillan, San Francisco, Calif., assignor, by mesne assignments, to George H. Hancrien, trustee for McMillan-Miller Engineering Co., San Francisco, Calif., a copartnership, bankrupt
Application February 23, 1932, Serial No. 594,638
Renewed November 19, 1934
5 Claims. (Cl. 305—10)

5. An endless track assembly composed of a plurality of links of two different types arranged alternately, each of said links having an aperture in its main portion to receive a pin engaging the link ahead and rearwardly projecting apertured members to permit connection to the next succeeding link, each of said links having a base and upwardly projecting arms, the arms of the links of the first type being substantially vertical and having stops disposed on the outer and inner sides thereof, the arms of the links of the



second type projecting angularly beyond the points of connection of said links and bearing against the under sides of said stops, the stops on the outer sides of said arms being disposed at opposite angles to the stops on the inner side of said arms.

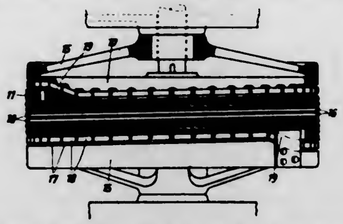
2,005,437
BOTTLE NIPPLE
Harry D. Naum, Brooklyn, N. Y.
Application December 16, 1932, Serial No. 647,507
Renewed November 16, 1934
3 Claims. (Cl. 128—252)



1. A bottle nipple formed with a top portion and an enlarged bottle-engaging base portion, having formed integrally with the base portion a lifting tab which tab is formed with an air passageway leading upwardly within the nipple and communicating with the interior thereof, the tab extending a substantial distance outwardly from the said base portion of the nipple and in such direction as to conform with the curvature of the neck of the bottle and be deflected thereby so as to lie flat against the same, the said projecting portion of the tab being adapted for grasping by the fingers to be moved away from the bottle and thence toward the top portion of the nipple for lifting the nipple from the bottle, and being adapted, when the nipple is laid on a plane surface, to hold the nipple with its base elevated for the reception of air.

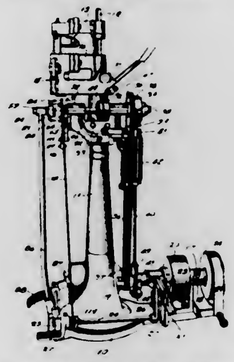
2,005,438
ROPE GEARING
Otto Ohnesorge, Bochum, Germany
Application August 26, 1931, Serial No. 559,556
In Germany September 6, 1930
10 Claims. (Cl. 74—224)

1. An apparatus of the character described, comprising in combination a pulley, an endless chain coiled in a series of helically positioned juxtaposed convolutions about said pulley and engaging the same, a portion of the endless chain extending from the convolution at one end of the series to the convolution at the other end of



the series while being spaced from the pulley, a plurality of tension elements each supported on at least one convolution of the chain, and a mechanism simultaneously cooperating with all convolutions of the chain for moving the tension elements axially relatively to the pulley.

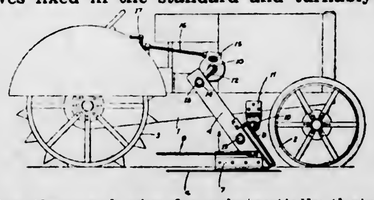
2,005,439
BASKET MAKING MACHINE AND METHOD
Albert H. Schmidtke, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a corporation of Michigan
Application May 20, 1932, Serial No. 612,395
21 Claims. (Cl. 1—13.6)



1. In an apparatus of the class described the combination of a rotatable form which is reciprocable in a direction transverse to its axis of rotation, means with which the form rotatively co-operates to reciprocate the form simultaneously to or from its midway position during each quarter rotation of the form, and fastener applying mechanism adapted to co-operate with the form to apply fasteners to the work at intervals between quarter rotations of said form.

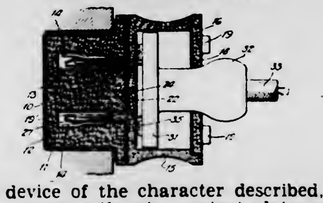
2,005,440
BEAN CUTTER
Edmund M. Sciarini, Modesto, Calif.
Application April 9, 1934, Serial No. 719,719
3 Claims. (Cl. 97—47)

1. A bean cutter including, with a supporting vehicle having a frame, a standard disposed to one side of the frame, a cutter mounted on the lower end of the standard, vertically spaced transverse crankshafts journaled on the frame and disposed in a plane parallel to the standard, control means for imparting rotation to one shaft, relatively long crank pins on the shafts, and sleeves fixed in the standard and turnably en-



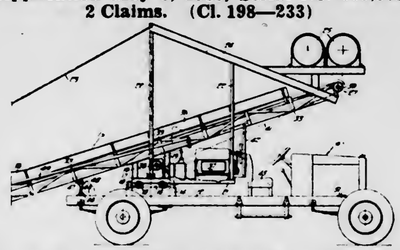
gaging the crank pins for substantially their full length.

2,005,441
ELECTRICAL CONNECTER
William J. Shearer, Elmhurst, N. Y.
Application June 22, 1932, Serial No. 618,630
1 Claim. (Cl. 173—330)



In a device of the character described, a receptacle, recesses therein, contact plates mounted in said recesses, a plug carried by said receptacle, contact pins carried by said plug and extending into said recesses but out of engagement with said contact plates, said contact pins each comprising two resilient members, and means for flexing one of said resilient members into engagement with its respective contact plate, said last mentioned means including a cam surface formed on one of the resilient members constituting the contact pins and means carried by the plug and movable into engagement with said cam surface to flex the member carrying said cam surface into electrical contact with its respective contact plate in the receptacle.

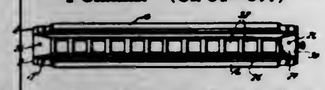
2,005,442
CONVEYER
Ellis H. Spiegl, Salinas, Calif.
Application May 8, 1933, Serial No. 669,873
2 Claims. (Cl. 198—233)



1. A crop gathering apparatus comprising a vehicle adapted to advance over a field, a continuous supporting framework having a first portion inclined to the horizontal and transversely spanning said vehicle to project beyond both sides thereof and a second portion substantially horizontal and extending from the lower terminus of said first portion for a sufficient distance to accommodate a plurality of side-by-side loaders, a conveyer belt the upper and lower runs of which are substantially coextensive with said

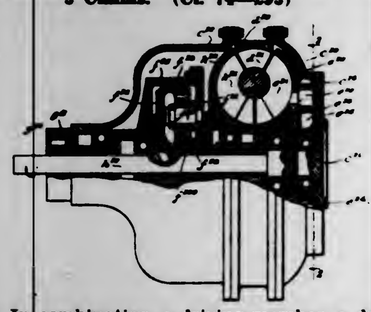
framework, said upper run having a horizontal stretch on said horizontal portion and an inclined stretch on said inclined portion, and means forming an enclosing wall around said upper run except at the discharge end thereof.

2,005,443
HARMONICA
Walter R. Steele, Lemon Grove, Calif.
Application March 14, 1934, Serial No. 715,407
4 Claims. (Cl. 84—377)



1. In a device of the kind described, a frame comprising a pair of sticks meeting at their forward edges and diverging toward their rear edges, the uppermost stick having cells cut in its forward margin and opening through its upper side, the lower stick having a pair of notches cut in its forward edge below each cell in the upper stick, an upper reed plate secured on the upper stick over the cells therein, a center reed plate secured on the lower stick above the notches, and a lower reed plate secured on the underside of the lower stick below the notches, the said center and lower reed plates having their reeds communicating with the notches in the lower stick, and valve means for admitting air to any of the reed plates.

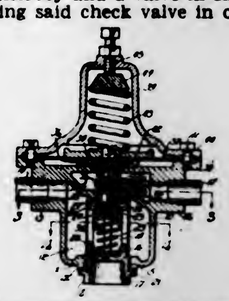
2,005,444
TRANSMISSION
Carl W. Weiss, Brooklyn, N. Y.
Application March 13, 1934, Serial No. 715,257
3 Claims. (Cl. 74—293)



1. In combination, a driving member, a driven member, a variable speed transmission device having an impeller member, a rotor member, a reaction rotor member, the impeller member being in operative relation with the driving member, the rotor member being in operative relation with the driven member, and a booster gearing having one member in operative relation with the reaction rotor member and another member in operative relation with the driven member.

2,005,445
REGULATOR
Alfred H. Wiedhofft, Chicago, Ill.
Application March 16, 1931, Serial No. 522,807
Renewed November 15, 1934
4 Claims. (Cl. 50—23)

1. In combination with a casing, its chamber and a check valve controlling the entry of fluid into said chamber, a cage removably secured to said casing, a screen surrounding said cage and supported thereby and a valve in said cage normally holding said check valve in open position



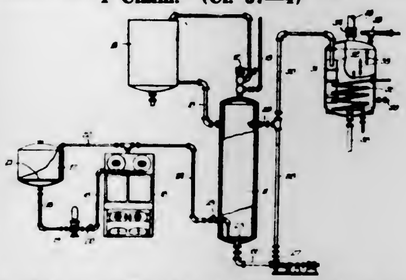
to establish communication between said cage and said chamber and permitting closure of said check valve upon removal of said cage.

2,005,446
GREASE SEAL
John R. Winter, Detroit, Mich., assignor of one-half to H. A. Montgomery
Application October 20, 1932, Serial No. 638,802
11 Claims. (Cl. 288—1)



11. In a seal, a packing ring of deformable material adapted to encircle and seal against a shaft passing through the same, and a casing for the ring adapted to be press-fitted into a housing about the shaft, said casing consisting of a centrally apertured sheet metal cup having a cylindrical rim which terminates in a portion of substantially uniform thickness bent abruptly in toward the axis of the cup substantially as far as the bottom of the latter to provide an end flange of considerable radial extent, the metal of the cup at the junction of said rim and flange portions being materially thinner than the cylindrical rim portion to facilitate bending of the flange portion without appreciable distortion of the cylindrical portion.

2,005,447
APPARATUS FOR SPLITTING FATS
Oscar H. Wurster, Chicago, Ill.
Application October 23, 1931, Serial No. 570,681
1 Claim. (Cl. 87—4)



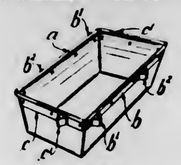
A blow-out device for use in combination with an autoclave saponification apparatus, comprising a closed tank having an inlet pipe extending into the upper portion thereof, a cylindrical casing surrounding the end of said pipe and extending adjacent the bottom of the tank, a check valve-controlled vent in the top of said tank, means for exhausting air from said tank, cooling means for said tank, and an outlet line for withdrawing materials separated in said tank.

2,005,448
BLEACHING AND STRIPPING MATERIAL AND PROCESS FOR MAKING SAME
Maurice Aisen, Norwalk, Conn.
No Drawing. Original application January 6, 1926, Serial No. 79,674. Divided and this application March 18, 1932, Serial No. 599,846
7 Claims. (Cl. 8—2)

4. A bleach material comprising a thin sheet carrying a coating of a mixture of a bleaching agent, a softener, a carrier, an adhesive substance and a chemical capable of reducing the surface tension of the mixture.

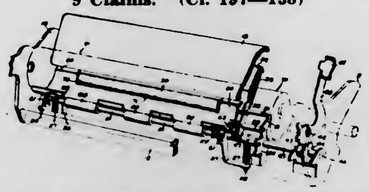
5. The process of making a decolorizing material comprising in mixing a bleaching agent with a carrier, a softener, an adhesive substance and a chemical capable of reducing the surface tension of the mixture and applying the mixture to a thin sheet.

2,005,449
BAKING PAN
William Walter Arrowsmith, All Saints, Chorlton-on-Medlock, England
Application January 17, 1935, Serial No. 2,261
In Great Britain June 2, 1934
7 Claims. (Cl. 53—6)



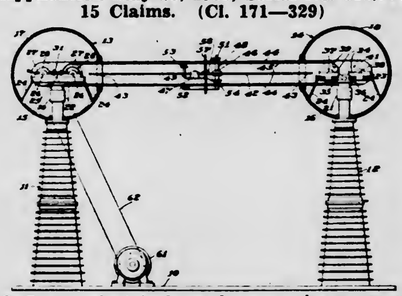
1. Bread and like baking tins provided with spacing members on their sides and ends, and those spacing members on one side or end offset in relation to those on the opposite side or end, as herein set forth.

2,005,450
PAPER FEEDING MECHANISM
Raymond G. Bower, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application December 9, 1933, Serial No. 701,616
9 Claims. (Cl. 197—138)



1. In a machine of the class described, a platen, front and rear feed rolls movable into and out of engagement with said platen, means supporting said rolls, a paper pan guidingly interlocked with said roll supporting means and mounted so as not to be affected by the movement of said rolls into and out of engagement with said platen, means for urging said pan into engagement with said platen, and means for limiting the movement of the rear portion of said pan toward said platen whereby a slight space remains between said platen and the rear of said pan while the front edge of said pan engages said platen whereby papers may be easily fed under said platen from the rear but will be lightly gripped at the front of said platen.

2,005,451
HIGH VOLTAGE ELECTRICAL MACHINE
Ralph C. Browne, Salem, Mass.
Application May 23, 1932, Serial No. 612,907
15 Claims. (Cl. 171—329)



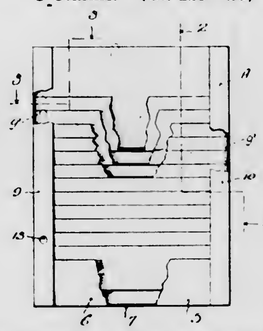
3. In an electrical machine, a charge carrier comprising an endless belt of flexible material, a second charge carrier in close proximity thereto, and means attached to one of the carriers adapted to wedge the carriers apart against electrostatic attraction.

2,005,452
INDICATING DEVICE
William F. Bull, Brooklyn, N. Y.
Application November 1, 1930, Serial No. 492,772
3 Claims. (Cl. 199—30)



1. In an indicating device, in combination, indicia, a bar in proximity to said indicia, tension held indicators or markers movable on said bar lengthwise of said indicia, said indicators or markers movable on the bar to and from operating position with said indicia.

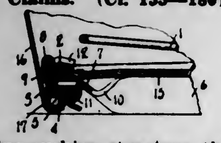
2,005,453
CARD INDEX
Robert A. Chadwick, Jr., Milwaukee, Wis.
Application January 18, 1934, Serial No. 707,068
3 Claims. (Cl. 129—20)



1. A card index comprising a series of paper or fabric sheets each folded back upon itself on a longitudinal line defining side walls with the

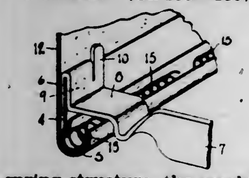
folded sheets placed partially one within the other, a dividing sheet disposed in the uppermost folded sheet between the side walls thereof, and means connecting the ends of all of the sheets together, whereby series of stepped pockets are formed on the opposite sides thereof.

2,005,454
SPRING STRUCTURE
William A. Clark, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application August 18, 1934, Serial No. 740,386
16 Claims. (Cl. 155—180)



6. In a spring cushion structure, the combination of a border frame having an inturned curved flange at its lower edge providing an upholstery supporting ledge substantially spaced from the upper edge of the border frame, cross bars disposed on edge and having saddles at their ends secured to the border frame and provided with horizontal portions disposed above and in spaced relation to said upholstery supporting ledge, said horizontal portions having integral upholstery clamping tongues, cross pieces disposed transversely above said cross bars and secured to the said border frame and having integral upholstery securing tongues, upholstery having its edge wrapped around the bottom of said border frame and over said supporting ledge, and upholstery clamping strips projecting between said supporting ledge and the said cross bars and cross pieces in clamping engagement with the upholstery arranged therearound, said upholstery clamping tongues being in retaining engagement with said upholstery clamping strips, the upholstery clamping strips having channel portions embracing the inturned portion of said border frame and projecting below the border frame to constitute a binding and guard for the upholstery.

2,005,455
SPRING STRUCTURE
William A. Clark, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application September 17, 1934, Serial No. 744,296
5 Claims. (Cl. 155—180)



1. In a spring structure, the combination with a border frame having a bottom portion of curved channel section, the mouth or entrance of the channel portion being of less width than the maximum diameter of the channel, upholstery wrapped around the bottom of said border frame and over the edge of the inner arm of the channel, and helically coiled spring clamping members sprung into the channel with the upholstery partially embracing them, the normal diameter of the clamping members with the upholstery thereon exceeding the width of the entrance to the channel.

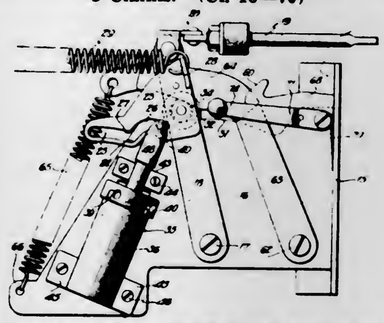
2,005,456
VARIABLE RESISTANCE DEVICE
Frederick L. Creager, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 11, 1932, Serial No. 616,629
9 Claims. (Cl. 201—60)



1. A variable resistance device comprising a strip support form, a high resistance conductor wound on said form, and means providing spaced low resistance areas along the surface of said form on an edge thereof between said surface and said conductor, said areas being provided by accretive metallic bodies intimately adhering to said surface, for contact with spaced groups of turns of said conductor.

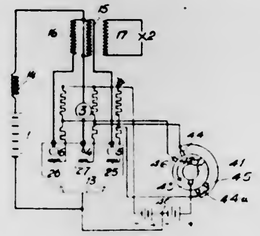
7. The herein described method of manufacturing electrical resistors of the variable contact type in which a high resistance element is supported on an insulating strip, which consists in masking portions of said strip leaving spaced unmasked portions, sand-blasting said last named portions, unmasking said strip, spraying low resistance coatings of metal upon said strip over said previously masked and unmasked portions, removing said coatings from said portions previously masked, thereby leaving coated areas of metal on said unmasked portions, and superimposing said resistance element on said strip in contact with said areas.

2,005,457
DOORCHECK
Simon Dubitsky, Glendale, Long Island, Samuel Adler, Bronx, Eugene Grieshaber and Charles Dearcopp, Glendale, Long Island, and Ralph Wood, South Ozone Park, N. Y.
Application September 14, 1934, Serial No. 743,950
5 Claims. (Cl. 16—70)



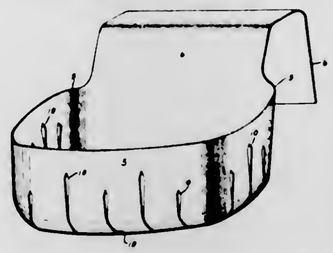
2. In a door check device, a door actuated lever, spring means acting upon said lever to urge the same in a door closing direction, a roller carried by said lever, check means acting upon said lever to retard the rapid movement of the same during a portion of its door closing movement and being rendered inoperative as the lever nears the limit of its closing movement, cam elements engaging said roller and coacting to form a wedge therefor when said check means is rendered inoperative, and spring means acting upon one of said cam elements to forcibly wedge said roller and cause said door actuated lever to rapidly move to a fully returned position.

2,005,458
ION VALVE FOR PRODUCING ALTERNATING CURRENTS
Karl Erik Eriksson and Uno Lamm, Ludvika, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden, a corporation of Sweden
Application July 7, 1933, Serial No. 679,343
In Sweden July 8, 1932
7 Claims. (Cl. 175—363)



1. In ion valves for producing alternating currents, a cathode, a plurality of working anodes adapted to conduct alternatingly the current to said cathode, control grids for said anodes, means for impressing on said grids control voltages for blocking said anodes during certain intervals, and a transition anode combined with means for impressing a transitory voltage thereon sufficient to cause said transition anode to absorb the load current from one main anode and deliver same to the next anode.

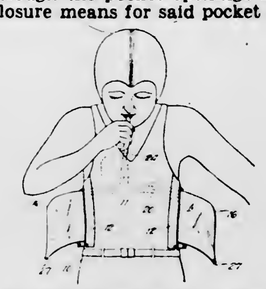
2,005,459
STRAINER FOR SINKS
Ida L. Finn, Racine, Wis.
Application December 19, 1934, Serial No. 758,188
4 Claims. (Cl. 4—290)



1. As an article of manufacture, a strainer comprising a bowl of substantially oblong shape having an imperforate bottom and a rear wall terminating in a curved hanger, the front and end walls of the bowl embodying vertically arranged drainage openings.

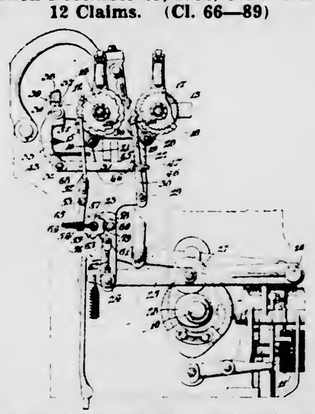
2,005,460
SAFETY BATHING SUIT
Jacob Fried, New York, N. Y.
Application October 5, 1933, Serial No. 692,271
4 Claims. (Cl. 9—20)

1. In a bathing suit having open pockets at opposite sides thereof, the pocket openings being disposed exteriorly of the bathing suit, relatively flat, inflatable air bags fixedly secured along one edge to the bathing suit within said pockets and foldable when deflated into said pockets and extendable through the pocket openings for inflation, and closure means for said pocket openings



for closing the same when said air bags are folded therein.

2,005,461
MECHANISM FOR NARROWING FLAT KNIT FULL FASHIONED HOSIERY
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 28, 1932, Serial No. 649,161
12 Claims. (Cl. 66—89)



1. The combination of a pair of narrowing spindles, a pair of operating elements respectively associated with said spindles, a common actuator for said operating elements adapted normally to rotate said spindles to corresponding extents during each cycle of operation of said common actuator, means for withholding one of said operating elements during alternate operating cycles of said common actuator, means for withholding the second of said operating elements during a portion of each operating cycle of said common actuator, and means for interconnecting the withholding means of both operating elements for simultaneous operation to permit said normal operation of said operating elements by said common actuator.

2,005,462
BUILDING CORNER CONSTRUCTION AND UNITS THEREFOR
John H. Gibson, Cleveland, Ohio, assignor to The Weaver-Wall Company, Cleveland, Ohio, a corporation of Ohio
Application November 24, 1930, Serial No. 497,652
18 Claims. (Cl. 20—5)

5. A corner piece comprising a strip of material of substantially uniform thickness through-

out bent into angular form and having a portion of said strip extending around the bend offset



from the body of the piece substantially the thickness of the material.

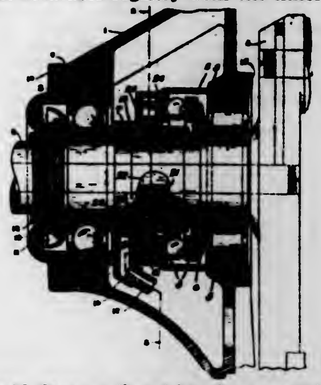
2,005,463
HEAD AND BACK SUPPORT FOR A LEGLESS SEAT
Helma J. Harryman, Glendale, Calif.
Application August 4, 1934, Serial No. 738,489
1 Claim. (Cl. 155—154)



Head and back supports for a legless seat, including a pair of side rails having forward and rear ends, a pair of standards having their lower ends pivotally connected to said rails, a cloth seat having side edge portions secured to the outside of said rails, a cloth back having side edge portions secured to the outer side of said standards, flexible straps having their lower ends secured to said rails adjacent the centers thereof and their upper ends secured to the top ends of said standards that yield and stretch when said seat is occupied and heavy pressure is applied to said back, a cloth head support, eyelets to which the ends of said head support are secured, chains connected to said eyelets, and snap hooks on the ends of said rails for engaging the links of said chains to adjust said head support, said parts arranged so that said standards can be folded parallel with said rails and rolled with said cloth seat and back around said head support into a cylindrical bundle.

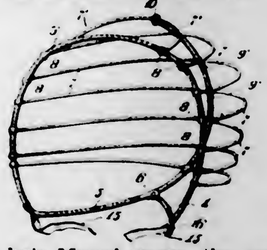
2,005,464
HIGH PRESSURE JOURNAL LUBRICATOR
John F. Hörmann, Havana, Ill.
Application August 5, 1933, Serial No. 683,834
3 Claims. (Cl. 308—187)

1. A high pressure journal lubricator comprising in combination with a journal having a central passage and a communicating transverse passage for oil, a channeled collar and a channeled spacer sleeve encompassing the journal, the inner sleeve member provided with a plurality of spaced holes establishing oil communication between said inner channel of said outer collar and said inner channel of the sleeve and provided with an oil hole communcating with said inner channel thereof and attachments connected therewith for receiving lubricating oil under high pressure into said channels of the collar and sleeve; said transverse hole in said journal in constant rotatable registry with the inner chan-



nel of said sleeve, a thrust bearing support flange on said inner sleeve and an annular hood for covering and protecting said sleeve and collar.

2,005,465
MARCEL WAVER
Anna J. Janda, Chicago, Ill., assignor to John J. Ryan, Chicago, Ill.
Application November 16, 1928, Serial No. 319,770
11 Claims. (Cl. 132—38)

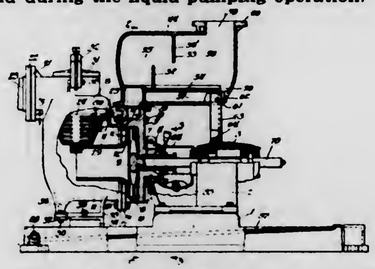


1. In a hair Marcel waver, the combination with a front face member inverted U-shaped in contour, of a horizontal U-shaped neck member connected to and merging into said front face member, spaced-apart horizontal U-shaped intermediate members to serve as division lines between the undulations of hair raised from the head between said intermediate members, and a binding member connected to the horizontal neck member and intermediate members but not to the front face member.

2,005,466
SELF PRIMING PUMP
Harry E. La Bour, Elkhart, Ind.
Application September 8, 1931, Serial No. 561,516
15 Claims. (Cl. 103—113)

1. In a self-priming centrifugal pump the combination of a pump casing containing a runner chamber, a runner disposed in said casing, a horizontal shaft for said runner, a tubular suction inlet opening concentrically into said chamber, a discharge throat leading substantially tangentially out of said chamber, a cylindrical separator and discharge chamber disposed with its longitudinal axis extending horizontally above the axis of said runner, transverse longitudinally spaced baffle means in said separator dividing it into a plurality of communicating sub-chambers, said discharge throat lying substantially in a vertical plane and leading substantially tangen-

tially into the first one of said sub-chambers, and a return passage leading from another one of said sub-chambers into said runner chamber, said return passage serving as a liquid discharge throat during the operation of liquid pumping, and a discharge outlet from the top of said separator communicating with said last named sub-chamber for discharging gas during the priming operation of the pump and for discharging liquid during the liquid pumping operation.



11. The method of evacuating a centrifugal pump of air to prime the same, which comprises sealing the pump with liquid, rotating the pump runner, circulating a body of priming liquid through the pump in contact with the runner to entrain air and form a mixture, discharging the mixture at a relatively high velocity, guiding the mixture at said relatively high velocity in a curved path to develop centrifugal force, separating a part of the entrained air by said centrifugal force, reducing the velocity of the mixture, discharging the liquid at reduced velocity into an open topped container permitting the formation of a free surface of the liquid to promote gravity separation of air therefrom and returning liquid from the bottom of said container into a portion of the pump casing where the runner develops hydraulic pressure when the pump is operating to pump liquid and again entraining air in the pump.

15. In a centrifugal pump, the combination of a main frame having a cylindrical bore, one end of which is closed by an integral end plate, the other end terminating in a flat annular clamping face, an inlet plate seated in the open end of said bore and having at its margin a flat annular face in the same plane as said clamping face, said plate having a central tubular inlet, said cylindrical bore between said end plate and said inlet plate comprising a runner chamber having a tangential discharge passageway, a runner in said chamber for moving liquid entering through said inlet and discharging the same through said tangential discharge passageway, an inlet trap comprising a hollow body loosely enclosing said tubular inlet and having an annular flat clamping face overlying both the flat annular clamping face of the frame and the flat annular face on the inlet plate, a flat gasket between the clamping face of the trap on one side and the coplanar clamping faces of the frame and of the inlet plate respectively on the other side, and clamping means between the frame and the inlet trap for clamping said parts together to seal the inlet trap to the frame and the inlet plate to the frame, independently of the thickness of the gasket.

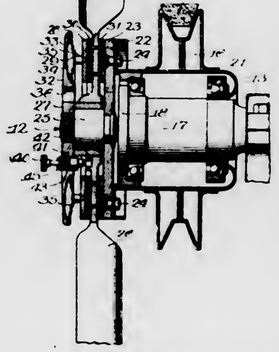
2,005,467
FLOWER HOLDER
Emma M. Menge, Newton, Mass.
Application February 26, 1935, Serial No. 8,285
4 Claims. (Cl. 47—41)

3. A flower holder provided with a base portion having stem-receiving openings therein and having its perimeter formed as a series of leaf-like projections each of which is relatively broad with acute angled edges, whereby the said holder may



be supported by the lower faces of said projections upon different diameters of flower container, the said holder as an entirety being of a concave or saucer-like shape.

2,005,468
ENGINE COOLING DEVICE
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application March 3, 1933, Serial No. 659,539
13 Claims. (Cl. 236—35)

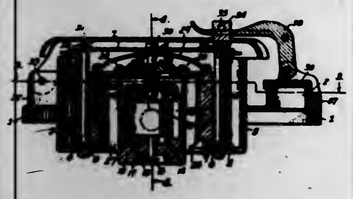


12. In a device of the kind described, the combination with an engine, air advancing means, temperature responsive means connected with the engine for constant rotation during operation of the engine, said temperature responsive means providing means controlling operation of said air advancing means by said engine.

2,005,469
TANK CLOSURE
John Nelson, Minneapolis, Minn., and Victor C. Norquist, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application January 28, 1933, Serial No. 654,006
5 Claims. (Cl. 220—44)

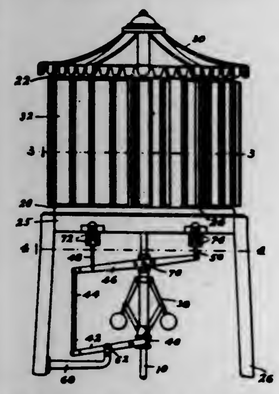
1. A closure for a tank comprising a plate having an opening, a first valve seated in said opening, said first valve being provided with two ducts connecting the tank inside with the atmosphere,

a second valve seated in said first valve and controlling one of said ducts, and a third valve seated



in said first valve and controlling the other of said ducts.

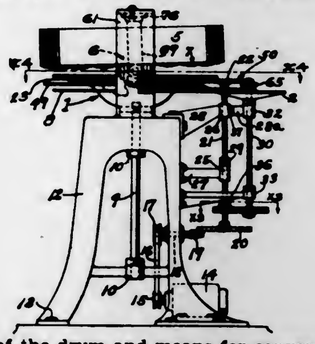
2,005,470
WINDMILL
Olof R. Olson, Kansas City, Mo., and Herbert L. Mika, Kansas City, Kans.; said Mika assignor to said Olson
Application November 6, 1933, Serial No. 696,810
2 Claims. (Cl. 170—17)



1. In a windmill having a housing, a windwheel disposed within the housing and comprising a vertically arranged rotary shaft journaled in said housing, a pair of horizontally disposed disks spaced apart and fixedly mounted upon said shaft, a vertically-disposed cylindrical column fixed to said disks and surrounding the shaft, and a plurality of vertically disposed equally spaced vanes arranged approximately at a tangent to said column and fixed to the disks, said vanes being spaced from the column to leave intervening openings for the passage of the wind.

2,005,471
FRUIT AND VEGETABLE JUICE FILLING MACHINE
Stefano Pittaluga, San Leandro, Calif.
Application December 11, 1931, Serial No. 580,301
6 Claims. (Cl. 226—98)

1. A fruit and vegetable juice filling machine for cans comprising a drum rotatable on a vertical axis; a feed tank rotatable on a universal joint directly above said drum; said universal joint having an upper section provided with a shaft extension adjustably mounted off the center of the machine and at an angle causing the feedtank to converge at a certain point as it rotates; means for automatically feeding cans to said drum; a plurality of valves to hold the cans and contents in place as the same are filled through said plurality of valves equally spaced in said feed tank operable by said cans during ro-



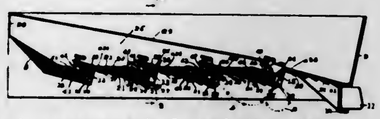
tation of the drum and means for conveying the cans from the drum.

2,005,472
BALE TIE
Alvin V. Rowe, Galesburg, Ill.
Application March 21, 1934, Serial No. 716,738
12 Claims. (Cl. 24—27)



1. A bale tie having a loop, and a straight wire portion connected therewith, said loop being fashioned with an expanded tie wire receiving seat comprising a loop section having lateral portions thereon secured together as a unit to form a reinforced loop section which operates to grip the wire under stress in a frictional manner and prevent slippage with consequent chafing of the wire.

2,005,473
AIR-JET PROPELLED CONVEYANCE
Arthur G. Sanden, Bellingham, Wash.
Application March 13, 1933, Serial No. 660,498
6 Claims. (Cl. 115—15)

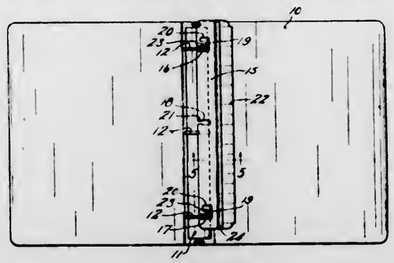


1. A conveyance body including side keels and side stem posts providing a concave bottom longitudinally and a concave bow, a plurality of inclined planes on the said bottom slanting downwardly rearwardly, and intervening steps connecting the said incline planes each having a main and a bypass air nozzle therethrough.

2,005,474
COMBINED FLY-STRIP AND RULER FOR RING BINDERS
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application September 27, 1933, Serial No. 691,138
3 Claims. (Cl. 129—1)

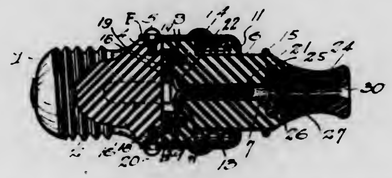
1. A fly-strip for loose leaf ring binders adapted for use as a ruler when removed from the binder rings, said strip having graduations at its forward edge, slots at its rear edge for attach-

ment to the rings of the binder, and an intermediate longitudinal stiffening rib serving also as



a bearing when the strip is pressed down upon a paper sheet for use as a ruler.

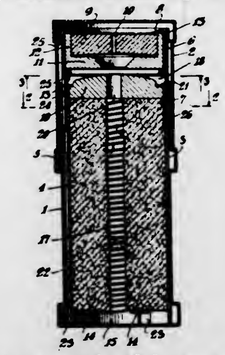
2,005,475
ELECTRICAL CONNECTER
Edward F. Schmidt, Spokane, Wash.
Application June 1, 1932, Serial No. 614,803
1 Claim. (Cl. 173—343)



The combination with an electrical connecter having an enlarged head forming an annular shoulder, said head having a recessed face and means therein for making electrical contact with a plug, and a spaced stop ring on the exterior of the reduced body of the connecter, of a cylindrical cup shaped locking sleeve mounted on the head projecting over the body of the connecter having an annular inturned flange and longitudinally slidable on the body of the connecter, said flange adapted to co-act with said stop ring, and a spring enclosed by the sleeve coiled about the body of the connecter and interposed between and abutting against said shoulder and said flange, whereby the free end of the sleeve projects a distance over the plug equal to the distance between the inturned flange and the stop ring in order to bring the connecter flush with the edge of the sleeve when said connecter is disengaged from said plug for ready access to said electrical contact means.

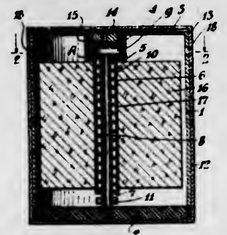
2,005,476
LIGHTER
George Philip Schmitt, New York, N. Y., assignor to Cardinal Products, Inc., a corporation of New York
Application September 12, 1933, Serial No. 689,114
10 Claims. (Cl. 67—7)

8. A cigarette lighter comprising an open ended casing, an absorbent material adapted to be charged with vaporizable fluid disposed within said casing, a cap fitted over one end of said casing, a disk of catalytic material supported by said cap in the path of vapor from said fluid, a surface of said disk being disposed for contact with a cigarette or the like, said casing being provided with means for the admission of air to the underside of said casing, and an air and vapor mixing chamber extending through said



casing, whereby a supply of fumes will be presented to the underside of said disk.

2,005,477
LIGHTER
George Philip Schmitt, New York, N. Y., assignor to The Glolite Corporation, a corporation of Delaware
Application January 12, 1934, Serial No. 706,368
25 Claims. (Cl. 67—7)



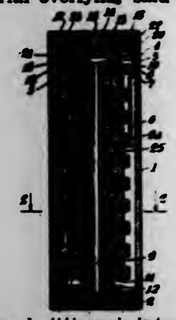
2. A lighter comprising a casing having a fuel chamber open to the atmosphere, a catalyst located adjacent said chamber and having a side presentable toward a cigarette, there being a conduit between said chamber and the other side of said catalyst, a cap for said casing, and means operable by said cap for closing said conduit when the lighter is not in use.

2,005,478
LIGHTER
George Philip Schmitt, New York, N. Y., assignor to Platinum Products Corporation, a corporation of New Jersey
Application March 2, 1934, Serial No. 713,643
Renewed November 17, 1934
11 Claims. (Cl. 67—7)

1. A lighter comprising a casing, an absorbent element of substantially cylindrical form therein adapted to be charged with vaporizable fuel, said element having a passageway therethrough in communication with the casing interior and being composed of a plurality of members so formed and arranged as to present an increased surface area, means for admitting atmospheric air into said casing, and a catalyst supported in the path of air and fuel flowing through said passageway.

11. A lighter comprising a casing, an absorbent element therein adapted to be charged with vaporizable fuel, a substantially flat catalytic element having an outer surface area of substantial

extent for contact with a cigarette or the like including catalytic material having passages therethrough and a perforated cover of thin sheet metallic material overlying said catalytic mate-



rial, means for admitting air into said casing, and means for supporting said catalytic element on said casing in the path of air and fuel flowing from said casing.

2,005,479

LOCK LID FOR JOURNAL BOXES

Alfred C. Schmehl, Beaver Falls, and John P. Anderson, Koppel, Pa.

Application January 17, 1929, Serial No. 333,077
5 Claims. (Cl. 308—51)



2. The combination in a journal box having an opening in its front wall, of a lid for closing the opening, a member movably mounted on the inner face of the lid for engagement with a wall of the box, a rotatable member mounted on the lid in spaced relation to the mounting of the first named member, and adapted when rotated to move and hold the first member in engagement with the box.

2,005,480

CREASE HOLDING MEANS FOR GARMENTS

David Segelin and Solomon Segelin, Rochester, N. Y.

Application November 26, 1934, Serial No. 754,694
2 Claims. (Cl. 2—231)



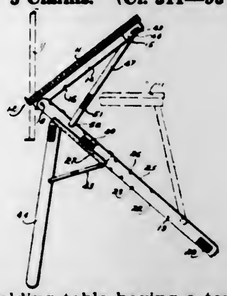
1. A garment provided with a crease maintained indefinitely by a strip of flexible material having a substantial edge portion of each side thereof overlapping the garment fabric along the inside of said crease and secured thereto by suitable stitching so as to lie flatly thereagainst whereby the intermediate portion of said strip is spaced from and serves to limit expansion of said crease and the edge portions of said strip serve as permanent hinge connections between said intermediate portion and the garment fabric.

2,005,481

FOLDING TABLE

Harry L. Skoogh, Jamestown, N. Y., assignor of one-half to Bertil Anderson, Jamestown, N. Y.

Application July 17, 1933, Serial No. 680,699
5 Claims. (Cl. 311—93)



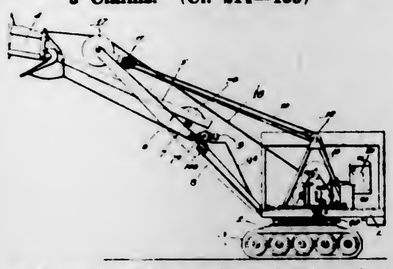
1. In a folding table having a top or work receiving portion, a full length leg pivotally joined to said top, a supporting member, a slidable shoe mounted on said leg, slotted means on said shoe registerable with any of several recesses formed in said leg, means on said member having restricted slidable connection with said slotted means, said member means being movable to engage one of said recesses when said shoe is adjusted longitudinally of said leg.

2,005,482

HYDRAULIC POWER SHOVEL

William W. Sloane, Chicago, Ill., assignor, by mesne assignments, to Lima Locomotive Works, Incorporated, Lima, Ohio, a corporation of Virginia

Application September 25, 1931, Serial No. 565,015
3 Claims. (Cl. 214—135)



1. In a machine of the character described, a prime mover, a hydraulic pump driven by said prime mover, a high pressure line, a low pressure line, hydraulic power devices connected between said high and low pressure lines, a by-pass line connected between said high and low pressure lines and having a pressure-responsive valve therein, a pressure tank connected to said high pressure line, and a pipe leading from said tank to said pressure-responsive valve and supplying pressure to open the latter when the pressure in said tank exceeds a predetermined value, and other hydraulic power devices connected between said pressure tank and said low pressure lines.

2,005,483

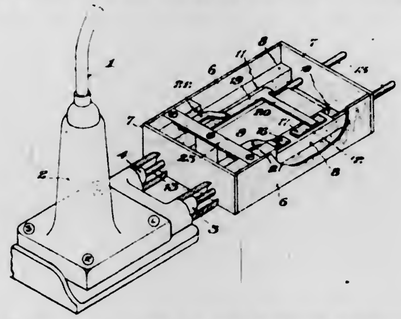
GEAR SHIFT LEVER SWITCH

Rudolph R. Sucky, Edward F. McGonigal, and Edgar Bargar, Blaine, Ohio

Application August 3, 1934, Serial No. 738,248
2 Claims. (Cl. 200—59)

1. A gear shift lever switch for use with automobile signal systems, including a casing having

spaced upwardly facing parallel grooves in the bottom wall thereof, a plurality of spaced contacts in each of said grooves, a slidable switch element in one of said grooves having a pair of spaced contacts adapted for engagement with the contacts of said groove, a second slidable switch element in the other of said grooves having a single contact adapted to engage the contacts of said groove, a conducting element connected to the last named single contact and having a part thereof engaging one of the contacts



carried by the other of said slidable switch elements, a pair of spaced contacts carried by the casing above the switch elements one of which is adapted to engage the conducting element of the first mentioned slidable switch element while the other is engaged with one of the pair of contacts carried by the first named switch element, and means connecting the gear shift lever with said slidable switch elements whereby to selectively engage each of the latter with their associated spaced contact elements when the shift lever is moved to varying positions.

2,005,484

GLAZIER'S POINTS

Harry Thorin, Monson, Mass.

Application November 6, 1934, Serial No. 751,697
2 Claims. (Cl. 10—34)



1. As an article of manufacture, a continuous strip of flat glazier points integrally connected together by a neck portion, the strip being rolled into a spiral coil with the points overlapping each other, into a convenient size for handling, and whereby the endmost glazier point may be unwound and driven into the sash of a window and then detached from the strip by bending the main body part of the strip at right angles to the plane of the same.

2,005,485

PENCIL

Albert C. Wells, Chicago, Ill.

Application August 30, 1930, Serial No. 478,827
Renewed November 14, 1934
3 Claims. (Cl. 120—17)



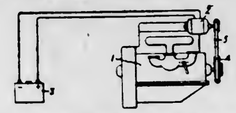
1. A pencil comprising, in combination, an elongated tubular body having a conically shaped lower end section, a sleeve slidably supported coaxially of said body with its lower end protruding externally of the conical end thereof, said sleeve having a longitudinal bore adapted to support a length of lead in position for writing and a radially extending slot communicating with said bore, spring means normally urging said sleeve downwardly, a plunger slidable longitudinally in said bore, spring means acting between said plunger and a stationary part of said body to urge said plunger downwardly to feed a lead to writing position, an elongated tongue projecting into the radially extending slot therein, and being movable axially thereof, and a wedge member fixed to said tongue and operable to force said tongue into binding engagement with a lead when said sleeve is moved downwardly and to release said lead for feeding movement when said sleeve is moved upwardly.

2,005,486

ELECTRIC GENERATOR SYSTEM

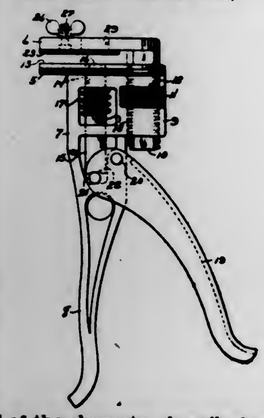
Guy W. Wilson, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application August 5, 1932, Serial No. 627,592
2 Claims. (Cl. 290—50)



1. The combination, with a direct engine driven automobile having a battery charging system consisting of a storage battery and a battery charging generator, of means for adapting said system to frequent stop operation of the automobile wherein the engine thereof idles a maximum percentage of the time of said operation comprising an overdriving connection between the engine and the generator which operates the generator at sufficient speed for battery charging purposes when the engine is idling, and means for preventing the generator from charging the battery when the engine is operating substantially above its idling speed.

2,005,487
GLASS BREAKER TOOL
Frank Zemanek, Mason City, Iowa, assignor of one-fourth to Frank Kubiak and one-fourth to Tony Zemanek, both of Mason City, Iowa
Application November 29, 1934, Serial No. 753,920
5 Claims. (Cl. 49—52)



1. A tool of the character described comprising opposed gripping jaws, one jaw being formed with widely spaced apart bearing ribs, a punch movably carried by the other jaw for action between the ribs when the said jaws are closed with relation to a piece of work and means for actuating the punch.

2,005,488
PROCESS FOR THE PRODUCTION OF SILICOFLUORIDES
Emil Gotthilf Leopold Abel, Brand-Erbisdorf, Germany, assignor to Brander Farbwerke, Chemische Fabrik Gesellschaft mit beschränkter Haftung, Brand-Erbisdorf, Germany, a corporation of Germany
No Drawing. Application August 15, 1932, Serial No. 628,896. In Germany August 26, 1931
2 Claims. (Cl. 23—88)

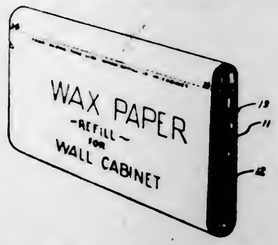
1. A process for the production of silicofluorides out of fluo-silicic acid, particularly for the use of timber preserving, characterized by the fact of carrying out the reaction of fluosilicic acid upon zinc metal in the presence of reduced copper as catalyzer.

2,005,489
ANIMAL TRAP
William Barrett, Hinton, Iowa
Application June 11, 1934, Serial No. 729,980
8 Claims. (Cl. 43—80)



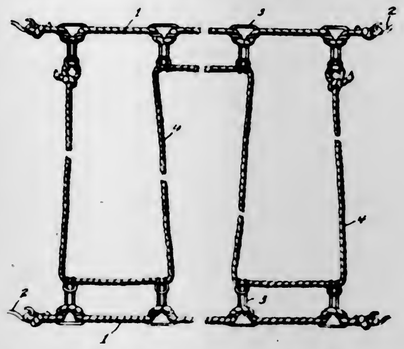
1. An animal trap comprising a frame including a pair of upstanding inverted U shaped members, a cross bar between the upper ends of the members, a spring urged jaw adapted to swing upwardly within the frame, a setting member pivotally attached at one side of the frame adapted to overlap and retain the jaw when opened and trigger means co-acting with said setting member for releasing the jaw.

2,005,490
DISPENSING PACKAGES AND CONTAINER THEREFOR
Burke M. Baxter, Middletown, Ohio, assignor to The Crystal Waxing Company, Middletown, Ohio, a corporation of Ohio
Application April 11, 1932, Serial No. 604,463
6 Claims. (Cl. 206—57)



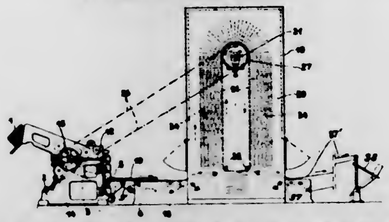
1. A wrapped package containing a singly folded stack of sheets of flexible material for use with a dispenser having a lateral opening through which individual sheets from the folded stack may be withdrawn comprising a single folded stack of sheets with a flat panel within the fold of the stack, said panel for retaining said sheets in the form of their original fold during dispensing of the sheets thereof, and the wrapper having a weakened tear line in such position as to register with the lateral opening in the dispenser.

2,005,491
MULTIPLE LINE HOLDER
George Beaverson, Minneapolis, Minn.
Application October 4, 1934, Serial No. 746,811
1 Claim. (Cl. 68—3)



A multiple line holder consisting of two anchorage ropes to which are attached a number of permanent or removable hooks, said ropes extending parallel to and distant from each other in the same plane, the ends of which are fastened to permanent hooks securely placed in the framework or walls of the building where the device is to be used and between which anchorage ropes a line is strung in such a manner as to form a series of parallel lines, this being accomplished by running the line from the end hook on one of said ropes to the corresponding hook on the opposite rope, then passing to the next closest hook and then back to the corresponding hook on the other rope, and so on until the desired number of lines have been strung substantially as described and illustrated in the attached drawing.

2,005,492
APPARATUS FOR CONVEYING ENVELOPE BLANKS
Peter Becker, Dusseldorf/Wersten, Germany, assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application July 24, 1931, Serial No. 552,969
In Germany July 24, 1930
3 Claims. (Cl. 198—31)



1. A conveyor and separator for envelopes and the like, comprising a horizontal conveyor for transporting varnished wet envelopes, a plurality of other horizontal conveyors situated side by side with respect to each other, one of the second-mentioned horizontal conveyors forming a continuation of the first-mentioned conveyor, a driving shaft, a gripper situated over the second-mentioned horizontal conveyors, means actuated by said driving shaft for moving said gripper, said gripper transporting some of said envelopes from one of the second-mentioned horizontal conveyors to another one of the second-mentioned horizontal conveyors, and vertical conveyors forming a continuation of the second-mentioned horizontal conveyors.

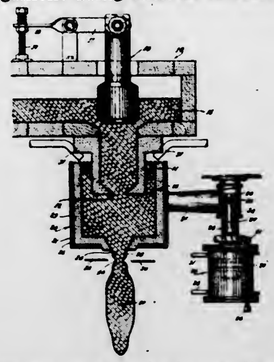
2,005,493
GREETING CARD
Evaline Blackwell, Los Angeles, Calif.
Application September 10, 1934, Serial No. 743,353
4 Claims. (Cl. 229—68)



1. A mailing card composed of a handkerchief having an ornamental border of different texture from the main border, the body of the handkerchief being stiffened by sizing such as starch and the like of soluble quality adapted to be washed out by laundering, the said sizing treatment converting the handkerchief to simulate a paper consistency of light card board stock, a greeting expression impressed on one side of the sheet and other expressions and address on the other side; the sheet thus formed folded upon itself to simulate a mailing envelope, the corners of the sheet as folded overlapping each other and sealed down by ornamental seals such as Christmas seals and the like.

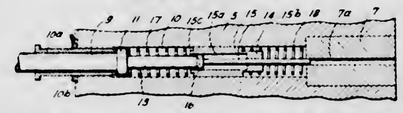
2,005,494
GLASS FEEDER
Ray A. Chilcote, Los Angeles, Calif., assignor of one-half to McLaughlin Glass Co., Los Angeles, Calif., a corporation of California
Application January 17, 1933, Serial No. 652,171
9 Claims. (Cl. 49—55)

1. An apparatus for feeding glass comprising a forehearth having a downwardly extending nipple providing an outlet, a cup shaped member into which the nipple extends, and means for causing relative reciprocating movement to take place between the cup shaped member and the nipple, the arrangement being such as to cause glass to



be extruded during a stroke in one direction and a tendency for extruded glass to be caused to intrude into the cup shaped member during a stroke in the opposite direction.

2,005,495
BOLT MAKING MACHINE
William L. Clouse, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application April 18, 1934, Serial No. 721,083
12 Claims. (Cl. 10—11)

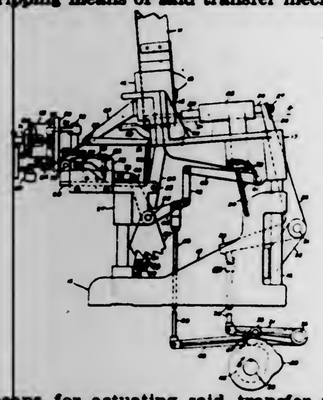


12. A bolt machine comprising a bed frame having a die mounted therein, a reciprocating header slide mounted in said bed frame, a tool carried by said header slide arranged to cooperate with said die, said die provided with an opening, a knock-out pin axially aligned with said die opening and supported therein in its retracted position, means to support said knock-out pin at the end thereof remote from the die and means to support said knock-out pin intermediate its ends, said last named means movable with respect to the pin and with respect to the die.

2,005,496
APPARATUS FOR FEEDING FRAGILE RODS, TUBES, AND SIMILAR ARTICLES
John F. Donovan and George Illingworth, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application December 20, 1933, Serial No. 703,278
5 Claims. (Cl. 49—14)

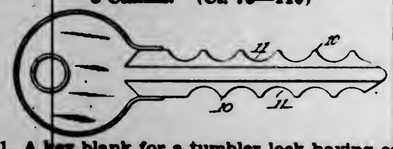
1. A device for feeding fragile rods, tubes and similar articles comprising a hopper having oppositely disposed openings in the walls thereof and adapted to contain a quantity of said articles substantially uniformly disposed in axial alignment with said openings, a ram disposed outside of said hopper in axial alignment with said openings, transfer mechanism comprising gripping means disposed on the opposite side of said hopper in axial alignment with said openings, means for reciprocating said ram to cause it to enter one of said openings and engage an end of one of said articles and push it out of

said hopper through the opposite opening into said gripping means of said transfer mechanism,



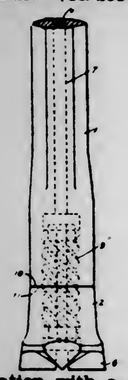
and means for actuating said transfer mechanism to deliver said article to a desired point.

2,005,497
KEY BLANK
Morris Falk, Fitchburg, Mass.
Application January 2, 1934, Serial No. 704,837
3 Claims. (Cl. 76—110)



1. A key blank for a tumbler lock having combination levers on opposite sides, the full width of said blank being greater than the space between the opposite levers, and alternating projections and notches along both edges of the blank, all the projections being located at the points where cuts have to be made, the notches on one side registering with the projections on the other.

2,005,498
DETACHABLE BIT FOR ROCK DRILLS
Raymond S. Hart, Fanwood, N. J.
Application April 28, 1933, Serial No. 668,358
2 Claims. (Cl. 255—64)



1. The combination with a socket and a bit each having a screw threaded bore, the screw threads of said bores being of like hand and uniform diameter throughout, and a screw plug with obtuse angle-faced helices thereon fitting said bores and having a screw thread extending uninterruptedly from end to end of the plug, said thread having a steep enough pitch so that a longitudinal force will produce relative rotation of the threaded coupling parts.

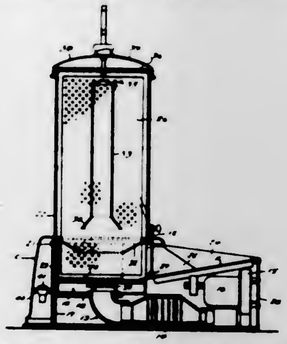
2,005,499
RESINOUS COMPOUNDS
Rowland Hill, Cheadle Hulme, England, assignor to Imperial Chemical Industries Limited, Westminster, England
No Drawing. Application July 19, 1930, Serial No. 469,275. In Great Britain August 3, 1929
10 Claims. (Cl. 134—26)

1. Process of making resins which comprises heating together a polyhydric alcohol, an aliphatic aldehyde, a fatty oil and a resinifying polycarboxylic acid as sole reactants.

2,005,500
SEPARATION AND RECOVERY OF OLEFINES FROM GASES CONTAINING THE SAME
Walter Philip Joshua, Cheam, and Herbert Muggleton Stanley, Tadworth, England
No Drawing. Application January 7, 1935, Serial No. 798. In Great Britain January 26, 1934
12 Claims. (Cl. 260—170)

1 The process of removing olefines from gas mixtures containing same consisting in absorbing the olefine in a solution of a cuprous salt in an aqueous hydroxy-alkylamine.

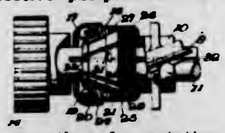
2,005,501
DISPENSING DEVICE
William W. Kelly, Cleveland, Ohio
Application January 6, 1933, Serial No. 650,426
7 Claims. (Cl. 34—21)



1. In a device of the class described, a receptacle having inlet means for air at the bottom thereof, outlet means for air at the top thereof and a dispensing outlet at one side for removal of nuts therefrom, means for forcing heated air into and through said receptacle, a funnel shaped, horizontal baffle partition spaced above the bottom of said receptacle and a foraminous cage spaced above said baffle partition.

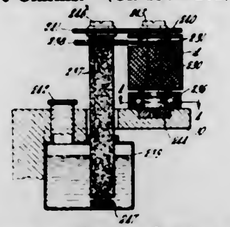
2,005,502
BEARING
Harry R. Lontz, Richmond, Ind., assignor to The F. & N. Lawn Mower Company, Richmond, Ind., a corporation of Delaware
Application March 14, 1934, Serial No. 715,538
4 Claims. (Cl. 308—197)

1. In a self adjusting bearing for a rotatable member of the type including a fixed bearing member, a rotatable bearing member, a spring adapted to move said rotatable bearing member relatively to said fixed bearing member and a resilient sleeve interposed between said spring and said rotatable bearing member for controlling the application of power of said spring, means engaging said rotatable member, sleeve and rotatable bearing member at one point only in their respective peripheries for connecting



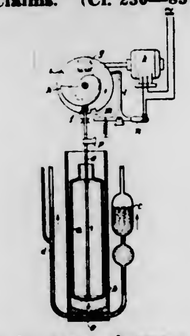
said members together for rotation as a unit, said means being so constructed and arranged that said rotatable bearing member and sleeve are also capable of movement axially with respect to said rotatable member and to one another during operation under the action of said spring.

2,005,503
SUPPLYING INK TO INK TRANSFER MEMBERS
George E. Pelton, Popkins Farm, Fairfax County, Va.
Original application February 23, 1934, Serial No. 712,674. Divided and this application October 3, 1934, Serial No. 746,720
20 Claims. (Cl. 197—171)



1. In a typing mechanism having a ribbon, the combination of a roller with which said ribbon contacts and which is rotated by contact with said ribbon, a disk arranged co-axially with said roller and rotated by said roller and contacting with said ribbon to deposit ink thereon, and means for supplying ink to said disk.

2,005,504
PUMP FOR AUTOMATIC, PERIODICALLY WORKING GAS ANALYZERS
Richard Praützsch, Hamburg, Germany
Application October 23, 1934, Serial No. 749,640
In Germany February 10, 1934
4 Claims. (Cl. 230—85)



1. In a pump for gas analyzers, a cylinder containing a sealing medium, a gas pump connected to the lower end thereof and adapted to receive sealing medium from said cylinder, a plunger mounted to move up and down in said cylinder to change the level of sealing medium in said gas pump, driving means adapted to force said plunger downward, said driving means being adapted to release said plunger to return to its upper position by its own buoyancy as the sealing medium returns from said gas pump to said cylinder.

2,005,505
PROCESS OF PRODUCING 1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE
Baptist Reuter, Krailling-Planegg, Germany
No Drawing. Application November 28, 1932, Serial No. 644,747. In Germany April 12, 1928
13 Claims. (Cl. 260—45)

1. A process for producing 1-phenyl-2,3-dimethyl-5-pyrazolone which comprises the steps of reacting 1-phenyl-3-methyl-5-pyrazolone with an alkylating agent in the absence of a solvent at an elevated temperature, thereby producing a melt, and treating said melt with an excess amount of a compound of the group consisting of an alkali-metal hydroxide and an alkali-metal carbonate at a temperature of substantially 100° C. for a relatively long period of time.

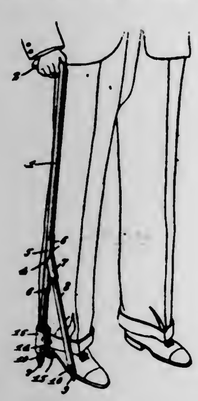
2,005,506
PROCESS OF PRODUCING 4-DIMETHYLAMINO-1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE
Baptist Reuter, Krailling-Planegg, Germany
No Drawing. Application November 28, 1932, Serial No. 644,748. In Germany March 10, 1927
20 Claims. (Cl. 260—45)

1. A process for producing 4-dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolone which comprises the steps of heating the melt, resulting from the methylation of 1-phenyl-3-methyl-5-pyrazolone, with a compound of the group consisting of an alkali-metal hydroxide, an alkali-metal carbonate, and an alkali-metal bicarbonate at substantially 100° C. for a relatively long period of time, acidulating the resulting mass with a dilute solution of a mineral acid, treating said acidulated mass with an alkali-metal nitrite, thereby producing 4-nitroso-1-phenyl-2,3-dimethyl-5-pyrazolone, washing said 4-nitroso compound with alcohol, adding to said washed compound sodium bisulphite, ice and zinc dust, thereby causing a reaction to take place which first proceeds at a relatively low temperature, which temperature, as the reaction continues, is raised automatically as a result of the heat developed by said reaction until a temperature of 30° C. is obtained, thereby resulting in a mixture comprising zinc sulphite-containing slurry, heating said mixture, filtering to remove said slurry, and heating the filtered solution with formaldehyde and formic acid in order to convert it into the desired product.

2,005,507
ANTISLIPPING CANE
William E. Russell and Etta R. Lyon, Cumberland, Md.
Application January 11, 1935, Serial No. 1,404
8 Claims. (Cl. 135—54)

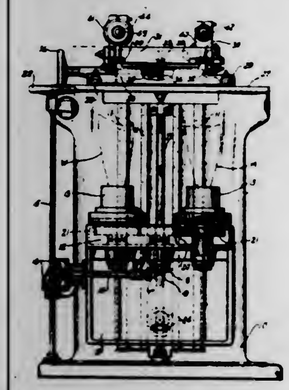
1. A cane comprising a body, means extending from said body and cooperating therewith to provide dual ground engaging means for succes-

sive engagement with the ground to produce an



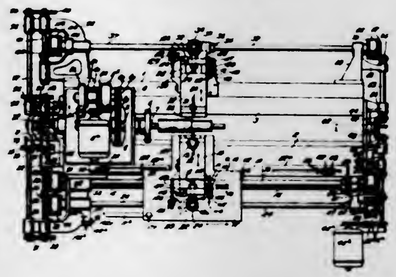
equalized continuous supporting means for the user when walking.

2,005,508
SCREEDING MACHINE
Robert D. Shaw, Hartford, Conn., assignor to Pratt & Whitney Company, Hartford, Conn., a corporation of New Jersey
Application July 3, 1933, Serial No. 678,756
5 Claims. (Cl. 90—13.4)



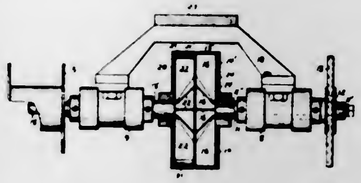
1. A copying machine comprising in combination, a base, a table movable thereon, a pair of work supporting and rotating members thereon, means to simultaneously rotate said members upon parallel axes in the same direction and at the same speed, means to traverse said table on said base parallel to the axes of rotation of said members, a carriage having a tracer adapted to contact with a model mounted in one of said members and a cutting tool mounted for engagement with a work piece mounted in the other of said members, a saddle on said base on which said carriage is mounted, means to adjust the position of said saddle laterally of said members, means to manually adjust said carriage on said saddle toward and from said members, and a single manually operated member for controlling movements of said carriage and saddle.

2,005,509
ELECTRICALLY OPERATED LATHE
Robert D. Shaw, Hartford, Conn., assignor to Pratt & Whitney Company, Hartford, Conn., a corporation of New Jersey
Application December 1, 1933, Serial No. 700,519
12 Claims. (Cl. 82—2)



1. An automatic lathe comprising in combination a rotatable work spindle, a clutch magnet for effecting rotation thereof, a tool supporting carriage, a tool thereon movable longitudinally and transversely relative to the spindle, clutch magnets for effecting forward and return movements of said carriage, circuits for energizing the respective clutch magnets, a manually operated switch controlling said energizing circuits for starting rotation of the spindle and movements of the tool, switches in said circuits arranged to be operated by movement of said tool to control the movements of the latter and for deenergizing the spindle clutch magnet and a magnetic brake arranged to be energized to stop rotation of said spindle when said spindle rotating magnet is deenergized.

2,005,510
POWER TRANSMITTING MECHANISM
Edward Snyder, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application June 13, 1930, Serial No. 460,805
5 Claims. (Cl. 192—58)



1. In apparatus of the class described, a base having spaced bearings; a rotatable drive-shaft in one of said bearings having means for actuating it; a rotatable driven shaft in the other of said bearings; a head on said drive-shaft closed at one end and open at its other end and having an annular series of cells therein, there being fluid passageways in said head affording communication between said cells; and a cylindrical head on said driven shaft having radially disposed blades exposed to the open end of the head on said drive-shaft whereby said driven shaft is actuated by fluid set in motion and imparted to said blades by the head on said drive-shaft.

2,005,511
BASIC DERIVATIVES OF PORPHINS AND METALLOPORPHINS AND PROCESS FOR THEIR MANUFACTURE
Arthur Stoll and Erwin Wiedemann, Basel, Switzerland, assignors to Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application December 15, 1932, Serial No. 647,490. In Switzerland December 22, 1931
6 Claims. (Cl. 260—46)

1. A process for the manufacture of strong basic porphins, characterized in that porphins are heated with compounds of the general formula

$$A{-}N{=}(R)_2$$

in which A represents ethylol or beta-aminoethyl and R represents hydrogen, ethyl or ethylol.

5. The strong basic porphins of the general formula

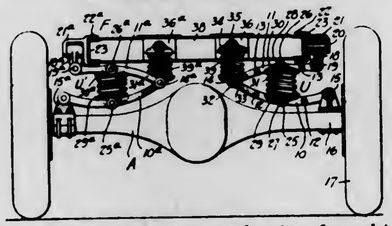
$$X\beta{-}CH_2{-}CH_2{-}N(R)_2$$

wherein X represents a porphin molecule and β means that the amine is linked to a β-carbon of the porphin molecule, and wherein R represents hydrogen, ethyl or ethylol, which compounds are in form of their free bases soluble in organic solvents with a red-brown, blue to green-blue coloration and that yield with strong acids water-soluble salts, yielding brown to green-blue neutral solutions, which aqueous solutions show the neutral spectrum of the porphins.

2,005,512
OIL TREATMENT OF COAL
Alfred O. Vinz, Beaver Dam, Wis.
No Drawing. Application January 18, 1934, Serial No. 707,108
7 Claims. (Cl. 44—9)

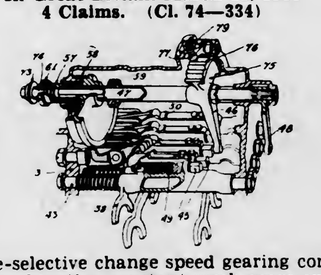
1. The process of treating solid lump fuel to render the same dustless, consisting of heating oil having a gravity of 19° to 30° Baumé at 60° F. and a Saybolt viscosity of 100 to 1200 at 100° F. to a spraying temperature of 100° to 250° F., and spraying the heated oil in finely atomized state on the fuel in quantities sufficient to deposit on said fuel a thin enveloping film of said oil.

2,005,513
SPRING SUSPENSION MECHANISM FOR VEHICLES
Harry C. Weaver, San Gabriel, Calif., assignor of one-half to David Grattan, Los Angeles, Calif.
Application April 21, 1934, Serial No. 721,775
6 Claims. (Cl. 267—20)



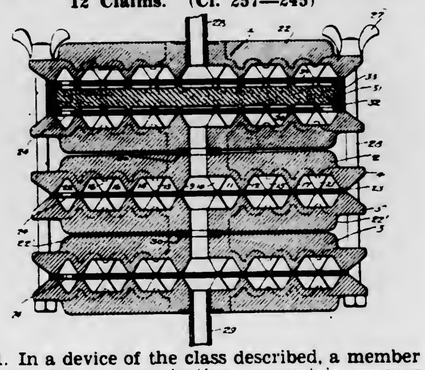
1. A spring suspension mechanism for vehicles comprising two units, each composed of a pair of pivotally connected levers; means for pivotally connecting free portions of the levers of each unit respectively to the chassis frame and axle of a vehicle, so that the levers will be transversely disposed relatively to the frame, and the pivotally connected portions of the pairs of levers will be arranged in confronting relationship; a main spring for each unit operatively interposed between the levers thereof, to urge the chassis frame and axle away from each other; and an auxiliary spring for each unit operatively interposed between the levers thereof and the chassis frame at the point of connection of said portions with each other to urge the levers and frame relatively away from each other for coaction with the main spring in yieldingly supporting the frame from the axle.

2,005,514
CHANGE SPEED GEARING
Reginald Wood Whittle, Urmston, and Edwin Twemlow, Sandbach, England
Application March 16, 1934, Serial No. 715,986
In Great Britain March 18, 1933
4 Claims. (Cl. 74—334)



1. Pre-selective change speed gearing comprising in combination constant mesh gears on main and lay shafts adapted to be rendered operable by claw clutches, having inclined teeth, claw clutches slidably mounted on guides parallel to and co-axial with a draw bar, a draw bar interconnected with the clutch pedal so as to be reciprocated thereby, a tappet on the draw bar adapted to engage a member slidably mounted on each dog, a sliding member and a spring on each dog, hand operated means to turn the tappet into engagement selectively with the sliding members, means to positively retain the sliding member in the spring loaded position independently of the tappet and means interconnected with the draw bar to release all the retaining means except that for the selected dog prior to the actuation of the latter and spring means to move the dogs to the inoperative position, substantially as described.

2,005,515
FLUID CONDITIONING DEVICE
Joseph F. Winkler, Philadelphia, Pa.
Application November 1, 1933, Serial No. 696,292
12 Claims. (Cl. 257—245)



1. In a device of the class described, a member having intercommunicating concentric grooves

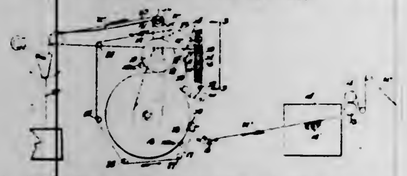
formed on a face thereof to provide a circuitous path for fluid, and a non-porous member adjacent said face and closing said path.

2,005,516
RHEOSTAT
Henry J. Bertram, Kansas City, Mo.
Application April 21, 1932, Serial No. 606,587
1 Claim. (Cl. 201—51)



A rheostat of the character described comprising a body having a cavity formed therein; internal threads formed in the body wall adjacent one end thereof; an externally and internally threaded portion of reduced diameter at the other end of said body whereby to form an annular shoulder on the body; a manually operable control knob having a threaded shank in engagement with the internal threads of the portion of reduced diameter; a threaded collar of insulating material having a screw adjustably carried thereby closing one end of said body in opposed relation to the said threaded shank; a plurality of superimposed plates of different electrical conductive properties positioned in a pile in said cavity between the said manually operable control knob shank and the said screw; and a compression spring between two of said disks of the pile, the said reduced portion of said body having a nut in screwthreaded engagement therewith for movement toward and from the said annular shoulder whereby to secure a support therebetween to hold the rheostat in operative position.

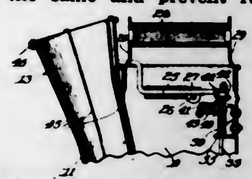
2,005,517
CLOTH FINISHING
Sanford L. Cluett, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application June 22, 1931, Serial No. 546,668
11 Claims. (Cl. 26—42)



1. A cloth finishing machine having therein a pair of ironing drums and a flexible endless belt running thereon in combination with means operable on a cloth web leaving the first ironing drum to reverse the said web with relation to the belt for subsequent ironing of the reverse side of the web by the second drum.
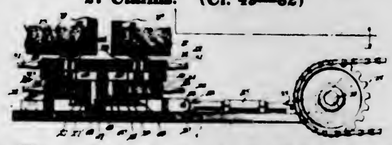
2,005,518
PLANTING IMPLEMENT
Joseph A. De Wasme, Chicago, Ill.
Application May 19, 1934, Serial No. 726,559
7 Claims. (Cl. 111—4)

1. In a planting implement, a tank for liquid, a valve therein, a longitudinally movable rod to open said valve, a manually movable lever, a beveled member on said rod yieldingly engaged by said lever whereby, when said lever is actuated, said rod is moved to open said valve, a fixed stop to be engaged by said beveled member to obstruct the same and prevent further valve



opening movement of said rod, whereby additional movement of said lever causes it to slip off said beveled member, thereby causing said valve to deliver a limited amount of liquid.

2,005,519
METHOD AND APPARATUS FOR MAKING GLASS ARTICLES
Henry A. Fisher and James Presly Lindsay, Parkersburg, W. Va.
Application July 6, 1933, Serial No. 679,224
27 Claims. (Cl. 49—82)



1. The method of producing variegated glass articles which consists in separately melting glasses of different color, severing the glass of each color into gobs, and combining the gobs while in a plastic state to form a solid multicolored article.

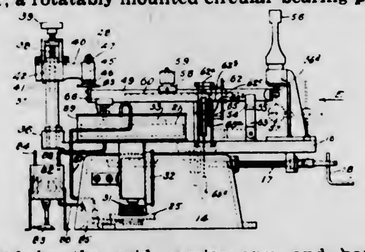
2,005,520
CLEANING ATTACHMENT FOR COMBS
Otto Friedmann, Vienna, Austria
Application February 23, 1934, Serial No. 712,668
In Austria May 5, 1933
6 Claims. (Cl. 132—28)



1. A cleaning device for attachment to a comb, comprising side members of relatively frictionless material adapted to slide against the side surfaces of the comb, elastic filaments tensioned between the said members substantially at right angles thereto and adapted to engage frictionally between the teeth of the comb, and coupling means between the said members to facilitate the concurrent sliding thereof.

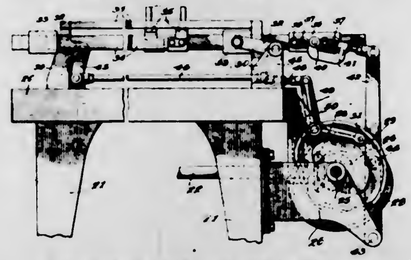
2,005,521
MEANS FOR DETERMINING WEARING QUALITIES OF MATERIALS
William Alfred Harrington, Leichhardt, near Sydney, New South Wales, Australia
Application March 9, 1932, Serial No. 597,835
In Australia March 12, 1931
7 Claims. (Cl. 73—51)

1. A mechanism for the purpose described comprising a base, a detachable boss mounted within the said base, a vertical spindle rotatable within the said boss, a horizontally disposed rotatable face-plate supported on the spindle, a ring-shaped track detachably mounted upon the said face-plate, a screw-operated slide member horizontally mounted in the said base and supporting at one of its ends an upright pillar, a horizontally disposed carrier arm adjustable as to its height and carried by the said upright pillar, a rotatably mounted circular bearing plate



carried by the said carrier arm and having formed diametrically across and from its under surface a V-shaped groove, a graduated test beam fitted with a slidable variable weight and having at one of its ends a knife-edged plate to engage with the said V-shaped groove, a forked test clamp associated with the said test beam, and a test-piece holder between the said test clamp and the said rotatable face-plate.

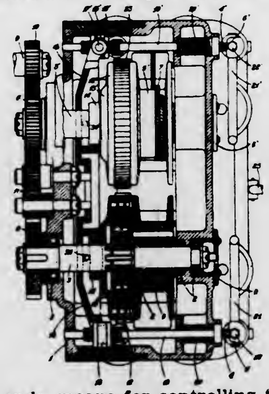
2,005,522
BOTTLE CONVEYING MECHANISM
Carl Holm, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application June 15, 1931, Serial No. 544,601
23 Claims. (Cl. 198—218)



1. An article transferring mechanism comprising an article support, a pair of reciprocably mounted bars arranged side by side and each provided with a series of rigidly attached fingers, the fingers of one bar being oppositely disposed with respect to the fingers of the other bar to constitute gripping members to advance the article along the support and means for lowering the bars when in advanced position and raising the bars when in retracted position.

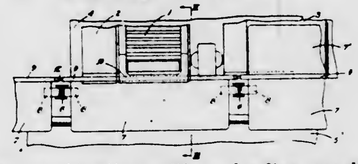
2,005,523
HAULAGE GEAR FOR MINING MACHINES
Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Meco Works, Worcester, England, a British company
Application August 26, 1933, Serial No. 686,983
In Great Britain September 8, 1932
11 Claims. (Cl. 254—185)

9. In a haulage gear for use in mining machines and the like, the combination of two drums, mounted side by side, a driving shaft, and means for selectively connecting said driving shaft with either of said drums, comprising a member pivoted



at both ends, means for controlling the position of each pivoted end of said member and clutch means controlled from intermediate points of said member.

2,005,524
LOADING MACHINE
Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England, a British company
Application August 13, 1934, Serial No. 739,699
In Great Britain September 16, 1933
10 Claims. (Cl. 198—7)

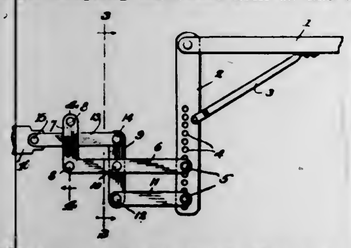


1. In combination with a loading machine, means for transferring material from said machine to a stationary conveyor beyond mine props, comprising stationary plates adapted to be interposed between mine props, said plates extending to said conveyor, said plates having a sliding engagement with the machine and forming a continuous connection across the gap between said machine and conveyor as the machine advances.

2,005,525
DRAFT EQUALIZER
Vencel J. Tichota, Dodge, Nebr.
Application June 13, 1934, Serial No. 730,506
1 Claim. (Cl. 280—33.44)

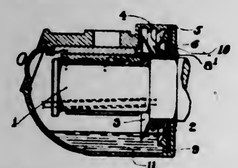
A draft equalizer for transmitting forward motion to a plow or the like from a tractor or other draft means spaced laterally from the path of movement of the plow and without shifting the plow out of its predetermined path of movement, which includes an arm rigidly connected to and extending laterally from the plow beam, a link pivotally connected to and extending forwardly from the arm, a lever pivotally connected to and extending forwardly from the arm and beyond the link, a transverse lever fulcrumed to the forwardly extending lever and having one arm pivotally connected to the link, guide means extending laterally from the

front end of the forwardly extending lever, and a link for coupling the other arm of the trans-



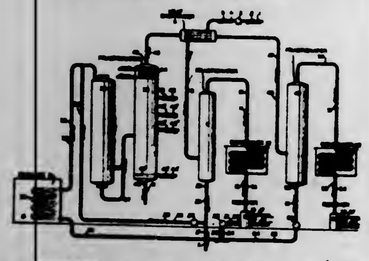
verse lever to a draft device, said link being movable freely within the guide means.

2,005,526
SEAL FOR AXLE BOXES
Albert Albeck, Augsburg, Germany, assignor to Hauser & Co., G. m. b. H., Augsburg, Germany
Original application October 12, 1932, Serial No. 637,537. Divided and this application July 8, 1933, Serial No. 679,560. In Germany May 7, 1932
3 Claims. (Cl. 286—5)



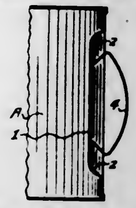
1. In an axle box having an opening for entrance of the axle two flanges around said opening, projecting on the inside from the box wall, and spaced from the rim of said opening, both having at the part above said opening a downward inclination with a narrow inverted channel between them, one of said flanges having also a downward inclination below said opening whereby it forms a pendant lip for the purpose set forth.

2,005,527
TREATMENT OF HYDROCARBON OILS
Joseph G. Aither, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application December 19, 1931, Serial No. 582,020
5 Claims. (Cl. 196—48)



1. A process for treating crude petroleum oil containing natural gasoline which comprises topping the crude and separating therefrom a distillate containing a substantial quantity of the natural gasoline hydrocarbons, combining said distillate with a hydrocarbon distillate heavier than gasoline formed as hereinafter set forth, passing the resultant mixture through a heating zone and heating the same therein to cracking temperature under pressure, commingling the topped crude with the heated mixture discharging from the heating zone, separating the thus commingled oils into vapors and residue, fractionating the vapors and separating therefrom a reflux condensate heavier than gasoline, utilizing such reflux condensate as said hydrocarbon distillate heavier than gasoline, and condensing and collecting the fractionated vapors.

2,005,528
HANDLE ATTACHMENT FOR LIQUID OR POWDER-CONTAINING CANS
John A. Berchulc, Detroit, Mich.
Application July 18, 1934, Serial No. 735,737
3 Claims. (Cl. 220—96)



1. In combination with a can having an elongated groove formed in one wall thereof, a handle for the can comprising a strip of flexible material secured at its ends in the groove, the intermediate portion of the strip being foldable upon the respective end portions to entirely conceal the handle within the groove when not in use, said intermediate portion being pulled outwardly and extended beyond the adjacent wall of the can when ready for use.

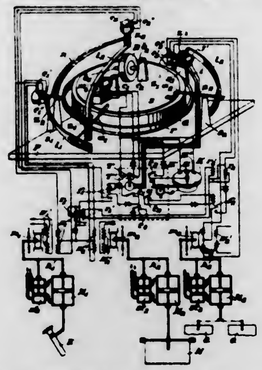
2,005,529
ANTHRAQUINONE DERIVATIVE
Oakley M. Bishop and Alexander J. Wuertz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1930, Serial No. 449,355
11 Claims. (Cl. 260—61)

8. A beta-phenyl-benzanthrone having the phenyl group attached in a beta-position of the anthraquinone nucleus other than position 2, and being characterized by its ability to condense under the influence of alcoholic-potash to give a diphenyl dibenzanthrone.

2,005,530
AUTOMATIC CONTROL DEVICE FOR AIRCRAFT
Johann Maria Boykow, Berlin-Lichterfelde-West, Germany
Application October 25, 1924, Serial No. 749,911
In Germany November 10, 1933
4 Claims. (Cl. 244—29)

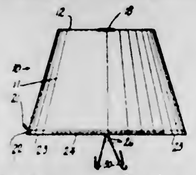
1. In an automatic control device of aircraft the combination with a vertical rudder and means for turning said vertical rudder, of an altitude rudder and further means for turning said altitude rudder, of a stabilizer universally mounted within the aircraft, of a controlling member mounted on said stabilizer, of means for rotating said member in a plane stabilized by said stabilizer and of two regulating devices

for said means for turning the vertical and the altitude rudder, said regulating devices being



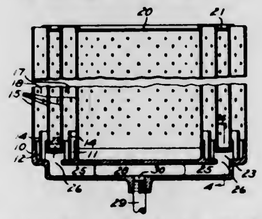
operatively connected to said controlling member.

2,005,531
ADJUSTABLE PROTECTIVE TRANSPARENT LAMPSHADE COVER
Samuel J. Brandstein, Brooklyn, N. Y.
Application March 8, 1935, Serial No. 9,941
13 Claims. (Cl. 150—52)



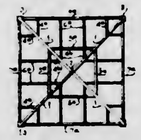
1. A lampshade cover having a side wall adapted to continuously embrace a lampshade, a strip of elastic material longitudinally folded over the lower edge of said wall and extending therealong and providing portions lying on opposite faces of said wall, said strip being elastically extended relative to said wall so as to contract the lower edge thereof, and means flexibly connecting the portions of said strip to the edge portion of said wall, whereby a double strength elastic control for securing the cover on a lampshade is provided.

2,005,532
OIL BURNER
George O. Brumm, Worcester, Mass.
Application June 28, 1933, Serial No. 677,977
3 Claims. (Cl. 158—87)



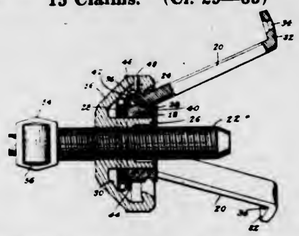
1. An oil burner comprising means forming a pair of spaced concentric annular fuel grooves, walls certain of which are perforated forming annular combustion chambers above an in communication with the grooves, substantially radial passages connecting the grooves, each passage having a bottom wall provided with an opening therethrough located between the fuel grooves, a central vaporizing means, fuel delivery passages extending substantially radially outward from the vaporizing means, the fuel delivery passages being located beneath the first mentioned passages and having their outer ends connected to the openings, and means to deliver oil to the vaporizing means.

2,005,533
ROOF CONSTRUCTION
Paul Chapman, New York, N. Y.
Application September 12, 1931, Serial No. 562,535
10 Claims. (Cl. 108—1)



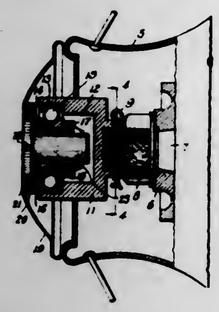
1. In roof construction, a peaked four-sided framework supporting a roof, four hip-rafters extending from the peak to the eave-corners of the said framework, four eave-members forming the perimeter of the said framework, four compression struts with their ends rigidly attached to the said hip-rafters and forming a compression quadrilateral between the eaves and peak of the said framework, a peak member connecting the four said hip-rafters together.

2,005,534
WHEEL PULLER
Arthur L. Cornwell, Wellsville, N. Y.
Application January 31, 1934, Serial No. 709,160
15 Claims. (Cl. 29—85)



1. A puller for a wheel or the like, comprising a body portion having a circumferential channel therein, a plurality of arms mounted in said channel for radial pivotal movement and having their outer ends projecting beyond the body portion and constructed to engage the member to be pulled, power means carried by the body portion for engaging the end of an axle on which the wheel is mounted and forcing the wheel from the axle, means carried by the body portion for causing all the arms to move simultaneously and in equal degree upon pivotal movement of one of the arms whereby to keep the wheel-engaging outer ends thereof equal distances from the central longitudinal axis of the puller, and means including the last-named means normally and frictionally binding the arms against circumferential movement in said channel, certain of the arms being adjustable circumferentially along the channel when said binding engagement thereon is released by forcing other of the arms inwardly.

2,005,535
THEFT RESISTING HUB CAP AND WHEEL LOCK
John T. Duarte, Honolulu, Territory of Hawaii
Application February 9, 1935, Serial No. 5,770
2 Claims. (Cl. 70—90)



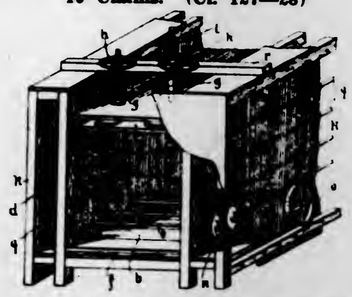
1. The combination with a wheel hub having an open outer end and an axial supporting member upon which said hub is mounted, of a holding member fixedly mounted on said axial supporting member, a ball bearing mounted in the outer end of said holding member, a cap to close the outer end of said hub, a key operated lock carried by said cap adapted to extend through said bearing, and locking lugs actuated by said lock to engage with the inner race of said ball bearing.

2,005,536
AUXILIARY AIR ARRANGEMENT FOR DIESEL LOCOMOTIVES
John Dickson, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1933, Serial No. 662,588
3 Claims. (Cl. 123—198)



1. The combination with a multiple cylinder Diesel engine provided with means for injecting fuel into the cylinders and a receptacle normally containing air under pressure, each of the engine cylinders having an air admission and exhaust valves, of means for utilizing at least one of the engine cylinders and its air admission valve as a compressor to supply air on compression strokes to said receptacle including a passage connected to the receptacle, a check valve in said passage preventing back-flow of air to the engine, a third valve for the compressor-acting engine cylinder which, when opened, affords communication between the cylinder and the passage and, when closed, interrupts such communication, means for rendering the fuel injection means ineffective to inject fuel into the compressor-acting cylinder, and controlling mechanism for opening said third valve and for operating the last-named means to interrupt the supply of fuel to the compressor-acting cylinder and vice versa.

2,005,537
APPARATUS FOR TREATING BINDING MATERIALS IN THE FORM OF POWDER OR GRIT, TO PRODUCE DEXTRINE AND OTHER ADHESIVES OF VEGETABLE ORIGIN, AS WELL AS FOR TREATING OTHER MATERIALS
Adolf Dreyer and Willy Kutzner, Potsdam, Germany; said Kutzner assignor to Fred Kutzner, Halensee, near Berlin, Germany
Application December 28, 1932, Serial No. 649,228
In Germany January 6, 1932
10 Claims. (Cl. 127—28)



1. Apparatus for treating binding materials in the form of powder or grit to produce dextrine and other adhesives of vegetable origin as well as for treating other materials of similar form and for similar purposes, comprising the combination of a container of substantially rectangular form having a bottom formed into a plurality of successive and parallel troughs, a plurality of mixing means within said container, said means being rotatable about horizontal axes and disposed adjacent said troughs and cooperating therewith, exterior walls individually spaced a certain distance outside all of the walls of the container and together forming an insulating jacket surrounding said container, the insulating space thus formed within the jacket constituting an air buffer.

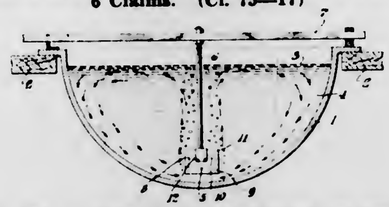
2,005,538
ALKOXY-PHENYL-IMIDAZOLES
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1932, Serial No. 630,699
9 Claims. (Cl. 260—44)

9. A process for producing an alkoxy-phenyl-imidazole which comprises boiling an alkoxy-phenyl-acetalyl-thiourea with aqueous sulfuric acid to form a 1-alkoxy-phenyl-2-mercapto-imidazole, heating the latter with aqueous nitric acid whereby to oxidize the sulfur atom and form the nitric acid salt of the corresponding alkoxy-phenyl-imidazole, and reacting upon the latter with alkali to liberate the free base.

2,005,539
YARN
Silas Kendrick Everett, Atlantic Beach, Long Island, N. Y.
No Drawing. Application May 1, 1933, Serial No. 668,816
1 Claim. (Cl. 117—52)

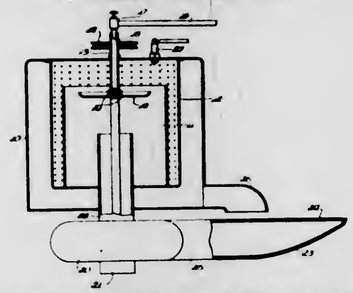
A yarn which is made entirely of one kind of artificial silk and comprises two strands doubled together, one of these strands being of spun fibres of a staple length ranging from about ½ to about 5 inches, this strand having a twist ranging from about 7 to about 40 turns per inch, the other strand being made of continuous filaments and having a twist ranging from about 2½ to about 40 turns per inch, the two strands being doubled together with a twist varying from about 7½ to about 25 turns per inch.

2,005,540
PROCESS OF TREATING MOLTEN METAL
Edward P. Fleming, Salt Lake City, Utah, and Sidney L. Palmer, San Francisco, Calif., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application September 28, 1933, Serial No. 691,282
6 Claims. (Cl. 75—17)



1. The method of incorporating a reagent in a bath of molten metal which comprises confining the reagent in a wooden container in such manner that the reagent is partially exposed and submerging said container in the bath of molten metal in such manner that the exposed surface of the reagent faces downwardly in the metal bath.

2,005,541
FUEL VAPORIZER AND BURNER
Charles A. French, Riverside, Ill.
Application June 15, 1933, Serial No. 675,932
3 Claims. (Cl. 158—53)



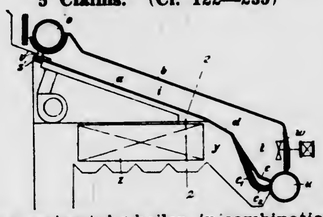
1. A burner comprising a casing, a vaporizing chamber in said casing and spaced from the walls thereof, means for delivering liquid fuel in finely divided form to said chamber, a pump, means for delivering gaseous products from said chamber to said pump, means for delivering air to said pump, a burner grating, means for supplying gases from the pump to said grating, means in the vicinity of the grating on the flame side for collecting burned gases, said means being in communication with the casing, and means for delivering the burned gases from the casing to the vaporizing chamber.

2,005,542
APPARATUS FOR COMPACTING POWDERS
Herman Jacob Glaxner, Monroe, La., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application July 8, 1932, Serial No. 621,419
8 Claims. (Cl. 100—35)

1. An apparatus for compressing light, dry, fine, fluffy powder, including a pair of spaced pulleys, having parallel axes disposed in a substantially horizontal plane, an endless imperforate conveyer belt tightly passing around said pair of pulleys and presenting substantially horizontal upper and lower runs, a third pulley disposed between said runs, and having its axis parallel to the axes of said first mentioned pulleys, said third pulley being spaced from said runs and having a diameter less than the distance between said runs in the vertical plane of the axis of said third pulley, a second imperforate conveyer belt passing tightly around said third pulley and one of said pair of pulleys, encircled by said first mentioned belt, and presenting upper and lower runs, the pair of upper and the pair of lower runs converging to the periphery of said last mentioned pulley, and means for delivering the powder to be compressed onto the lower run of one of said pairs, said third pulley being sufficiently close to one of the runs of said first mentioned belt so that the angle between the latter run and the adjacent run of the second mentioned belt is very small, whereby gas above said powder and gas occluded within said powder may escape at a sufficiently low velocity so as not to disturb the layer of powder as the latter is advanced to one of said pair of pulleys.



2,005,543
WATER TUBE BOILER
Ferdinand Graafen, Zwickau, Germany
Application July 27, 1932, Serial No. 624,948
In Germany August 30, 1929
5 Claims. (Cl. 122—235)

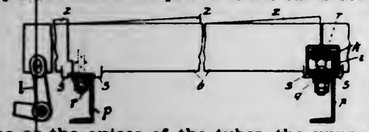


1. In a water-tube boiler, in combination with an automatic stoker grate, a channel-like furnace chamber of elongated substantially tubular shape formed of water-tubes extending in the longitudinal direction of the furnace and sloping downwards towards and beyond the rear end of said grate, partition walls in said furnace chamber dividing same into compartments and also formed of water-tubes, gaps being left above said partitions at certain intervals, so as to make said water-tubes readily accessible.

2,005,544
FURNACE GRATE
Ferdinand Graafen, Zwickau, Germany
Application February 23, 1934, Serial No. 712,529
In Germany December 24, 1932
6 Claims. (Cl. 122—376)

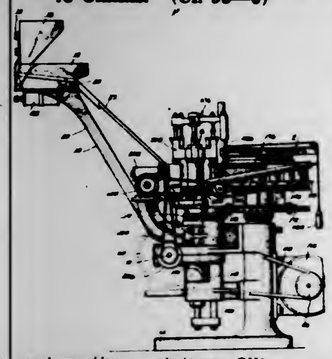
1. An automatic furnace grate comprising laterally spaced parallel tubes, the top portions of which are of substantially semi-cylindrical shape in cross section and disposed with their apices in a common plane, and solely longitudinally

movable grate members between said tubes, the tops of said grate members being formed of transversely substantially flat surfaces and having at least portions of their transversely substantially flat surfaces disposed in the same common



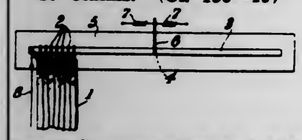
plane at the apices of the tubes, the upper portions of said grate members extending laterally outward into overlying relationship to adjacent side and top portions of the tubes, and said grate members being spaced at all points from said tubes.

2,005,545
AUTOMATIC CONTAINER FILLING DEVICE
Edwin F. Hulbert, Glenview, Ill., assignor to Anaconda Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1931, Serial No. 571,131
78 Claims. (Cl. 93—6)



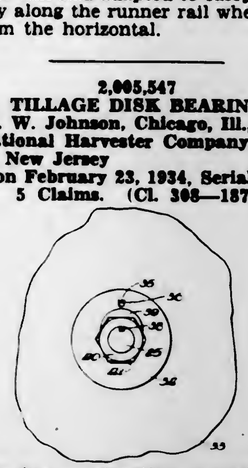
1. An automatic container filling machine, comprising means for conveying an open container to a given point to be filled, means for supplying material for said container, means for picking up said material, means for bringing a wrapping portion into association with said material, and means for depositing said material with a wrapping portion in association therewith in said container.

2,005,546
WINDOW CURTAIN SUPPORT
George Mark Omega Jenkins, Neasden, London, England
Application March 14, 1934, Serial No. 715,501
In Great Britain April 7, 1933
10 Claims. (Cl. 156—19)



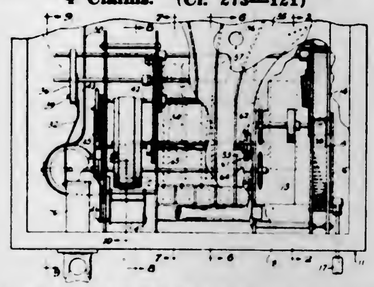
1. In means for supporting and effecting adjustment of a curtain to and from the operative and the inoperative positions, a pivotally tiltably supported runner rail, and curtain supporting runner elements carried by and capable of running along said runner rail, said runner elements with the curtain supported thereby remaining stationary in the horizontal position of the runner rail and adapted to carry the curtain by gravity along the runner rail when the rail is tilted from the horizontal.

2,005,547
TILLAGE DISK BEARING
Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 23, 1934, Serial No. 712,498
5 Claims. (Cl. 308—187)



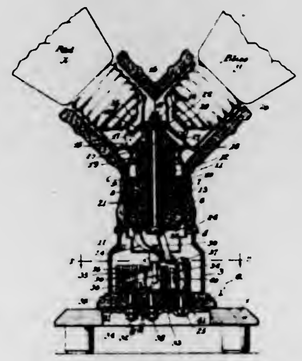
1. A bearing construction comprising a stationary portion having a bearing surface formed therein and a shoulder concentric with the bearing surface and spaced from one end thereof, a bearing spindle rotatably mounted against axial movement in cooperation with the bearing surface, a sealing member rigidly mounted on said spindle, said member having an annular radially extending portion and a cylindrical flange extending axially from the periphery of the annular portion toward the shoulder on the stationary bearing portion, a resilient sealing member abutting the shoulder and both portions of the first named sealing member, and an L-shaped friction reducing element fitted over the resilient member and forming the engaging surface with the flanged sealing member.

2,005,548
GAME APPARATUS
Claude R. Kirk, Oak Park, and Edward E. Collison, Chicago, Ill., assignors to Standard Ticket Games Corporation, Chicago, Ill., a corporation of Illinois
Application January 26, 1935, Serial No. 3,542
4 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet including a member providing a playing surface having ball exit or scoring openings therein; a score recording or printing drum in the cabinet; means for elevating balls one at a time from a point below the playing surface up to the level of the same; an inscription-receiving web in the cabinet; means automatically urging the said web into printing engagement with the said printing drum after a predetermined number of balls have been elevated by said elevating means from a point below the said playing surface up to the level of the same; a member slidably mounted in a wall of said cabinet; means normally latching the said slidable member against operation until the score-printing operation takes place; and means for releasing the said latching means from latching engagement with the said slidable member when the score-printing operation takes place.

2,005,549
THERMOSTATICALLY OPERATED ELECTRICAL DEVICE
Emil Klahn, New Vernon, N. J.
Application July 26, 1926, Serial No. 124,917
Renewed November 15, 1934
4 Claims. (Cl. 200—122)



3. An electric light fixture having a multi-way socket, a snapping thermostatic switch associated with said socket, said switch including a bimetallic thermostatic element and a resistance-heating element, the latter being adapted to be periodically connected with the filament circuit of a lamp inserted in said socket in response to the snapping movements of said switch, means responsive to the movement of said switch for alternately opening and closing the circuit through different lamps mounted in said multi-way socket whereby a multi-colored flashing effect can be obtained.

2,005,550
TRACTOR WHEEL
William H. Ledbetter, Dallas, Tex.
Application April 27, 1929, Serial No. 358,509
12 Claims. (Cl. 301—41)



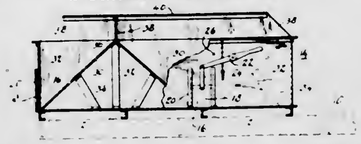
6. A unitary wheel construction comprising a rim formed of overlapping segments made of iron bar stock set edgewise, wheel spokes fixed thereto, free-end teeth outturned on both ends of the segments and set flush with the rim, and means to secure the segments together.

2,005,551
GRINDING DEVICE FOR REVOLVING CUTTERS
Raymore D. MacDonald, Western Springs, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 7, 1934, Serial No. 734,122
4 Claims. (Cl. 51—246)



1. A sharpening device for a material reducing machine having a supporting structure, a rotor mounted for rotation thereon, and blades mounted on the rotor positioned with their cutting edges following a cylindrical path, and in combination therewith; a supporting frame pivotally mounted on the supporting structure on an axis parallel to the axis of the rotor, a support mounted for reciprocation on said frame, a grinding stone carried by said support, means for reciprocating the support whereby the stone is moved along the cylinder of revolution defined by the edges of the blades, and manually adjustable resilient means for holding the supporting frame in position and for urging the frame toward the cutting blades.

2,005,552
COAL DELIVERY TRUCK
Earl H. McAfee, Detroit, Mich.
Application April 6, 1934, Serial No. 719,317
2 Claims. (Cl. 298—24)



1. In a motor vehicle having a supporting frame, a coal box mounted on said frame having side walls and end walls, certain of said side walls each provided with a gate controlled discharge outlet adjacent the bottom thereof but above said supporting frame, one end wall provided with a pair of gate controlled discharge outlets adjacent the bottom thereof, the floor of said coal box provided with a plurality of inclined sections extending upwardly and away from each of said outlets, one of said inclined sections extending upwardly and away from one of said side outlets meeting with another inclined section extending likewise from the other side outlet substantially on the longitudinal median line of said coal box, another inclined section extending upwardly and away from each of said side outlets meeting with another inclined section extending likewise from one of said end outlets on a line transverse to said coal box, other inclined sections extending upwardly and away from said outlets to connect with adjacent walls of the coal box, all of said inclined bottom sections joining with one another and the walls of the coal box at a common height

equal to the height of the walls of the coal box, said inclined sections arranged together to provide a plurality of pockets in said coal box of general funnel shape each adapted to cause the coal therein to completely flow out through an outlet.

2,005,553
SOLID LUBRICATING COMPOUND
Charles A. Miller and David A. Smith, Franklin, Pa., assignors to Valvoline Oil Company, a corporation of New Jersey
No Drawing. Application August 20, 1932, Serial No. 629,743
5 Claims. (Cl. 87—9)

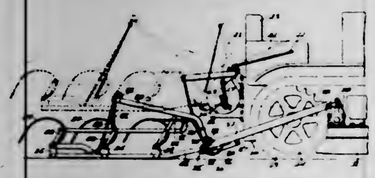
1. A solid driving-journal lubricant of acid reaction comprising a substantially dehydrated, boiled, hard grease, the aggregate parts of which are loosely bound together and composed of substantially equal parts of a viscous hydrocarbon mineral oil and a hard soap prepared from an alkali and a higher fatty acid in an amount sufficient to neutralize the alkali and to provide in said grease free fatty acid in a quantity amounting to approximately five (5%) percent of the lubricant.

2,005,554
ARTIFICIAL BAIT OR FISH LURE
Bertram Milner, St. Bernard, Ohio
Application November 2, 1933, Serial No. 696,345
10 Claims. (Cl. 43—42)



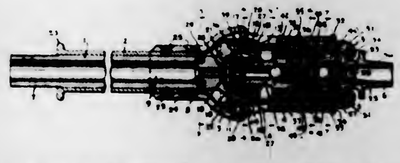
1. In a fish lure of the class described the combination of a body portion representing the head of a small water animal, the said body portion having formed therealong grooves representing the mouth thereof, a mouth piece projecting from the mouth and having a transverse curve, said mouth piece and mouth grooves cooperating with one another to effect lifelike darts of the lure through the water while being retrieved, and a hook projecting from the body portion at the rear thereof and having its barbed end disposed in a plane above said body portion.

2,005,555
LIFT MECHANISM FOR TRACTOR DRAWN IMPLEMENTS
James Markovski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 23, 1933, Serial No. 703,781
16 Claims. (Cl. 97—47)



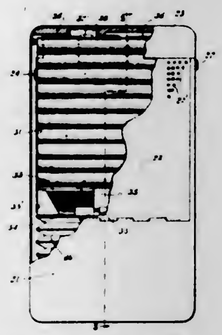
1. A tractor implement comprising, in combination with a tractor, a draft frame connected to the tractor and extending longitudinally therefrom, said frame being flexible for lateral movement, an implement frame hinged to the draft frame on a transverse axis, a lifting member connected to one of said frames adjacent the hinge axis, means for connecting said lifting member to each of the frames at points spaced from the hinge axis, and means for applying vertical lift adjacent the hinge axis of the frames.

2,005,556
COUPLING MEANS FOR LUBRICATING SYSTEMS
Clark W. Parker, Brewster, N. Y., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application November 21, 1928, Serial No. 320,832
Renewed June 13, 1932
24 Claims. (Cl. 285—95)



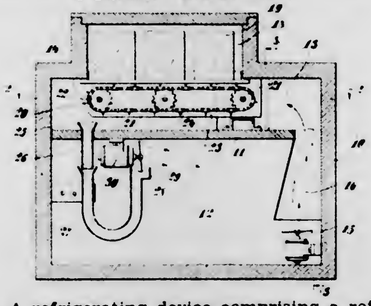
1. A coupling member for high pressure grease guns comprising, a hose, a rotary sheath carried thereby having an actuator, a coupler, means connecting the coupler with the hose, means connecting the coupler with the actuator for shifting the coupler, and clamping members carried by the coupler and adapted to grip a fitting.

2,005,557
POCKET CIGARETTE CASE AND LIGHTER
Robert L. Penney, Brooklyn, N. Y.
Application February 6, 1934, Serial No. 709,932
19 Claims. (Cl. 206—41.4)



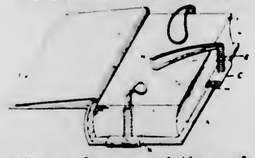
1. A device of the character described comprising a casing having a storage compartment for cigarettes and delivery holding means for the top cigarette, a lid normally closing the casing and spring pressed toward an open position, a manually releasable latch for holding the lid closed, a burner and igniter in the casing, a spring pressed actuator for the igniter movable against the spring by the closing of the lid, an air blast device delivering air to the burner at the end of the top cigarette, spring pressed means movable by the lid in closing for forcing air from said air blast device and an actuator for resetting said means.

2,005,558
APPARATUS FOR HYDRATING AIR IN REFRIGERATING MECHANISMS
Edwin M. Post, Jr., New York, N. Y., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application November 15, 1932, Serial No. 642,724
4 Claims. (Cl. 62—140)



1. A refrigerating device comprising a refrigerating chamber, a refrigerating element associated therewith, a scraping mechanism to remove frost from the refrigerating element, means associated with the chamber to melt the frosting, and air circulating means in the chamber to vaporize the resulting liquid in the refrigerating air.

2,005,559
AUTOMATIC BOOKMARKER
Raleigh Raymond Roberts, Redlands, Calif.
Application May 1, 1933, Serial No. 668,822
4 Claims. (Cl. 281—42)



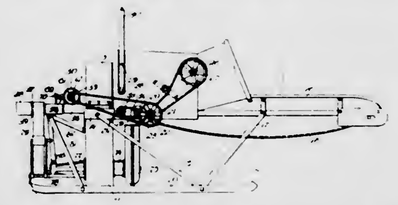
2. A book marker consisting of a base for attachment to a book cover, a coiled spring rising perpendicularly from said base and terminating in an uncoiled portion integral therewith and at approximate right angles thereto.

2,005,560
GAS BURNER
John C. Rogers, Cicero, Ill., assignor to Crown Stove Works, Cicero, Ill., a corporation of Illinois
Application July 2, 1934, Serial No. 733,439
3 Claims. (Cl. 158—116)



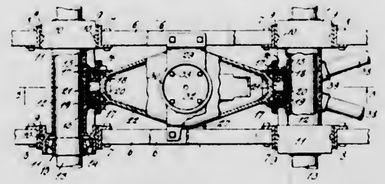
2. A gas burner, comprising a one-piece hollow ring having a continuous horizontal annular aperture between its top and outer peripheral walls, said outer peripheral wall formed on its outer side with a row of upwardly and outwardly inclined flutes meeting said aperture at an acute angle to the plane of the latter for the flow of secondary air.

2,005,561
FEED CONTROL FOR HAMMER MILLS
Merrill W. Roscoe, Batavia, and Charles F. Crumb, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 8, 1931, Serial No. 549,386
6 Claims. (Cl. 83—11)



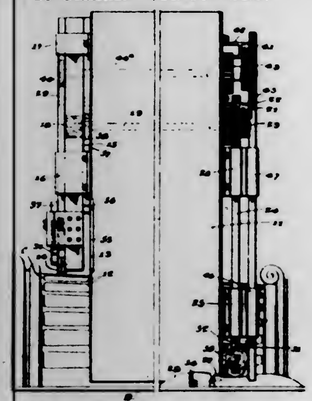
1. A mill comprising a casing having a feed opening on one face, power driven feeding means adjacent said opening, a main drive shaft extending into the casing, reducing means mounted on said shaft within the casing, means for driving said shaft at a comparatively high rate of speed, a second shaft connected by means of a positive clutch and speed reduction means to the main shaft for operation thereby at a comparatively low rate of speed, means for connecting said second shaft to the feeding means, an actuating arm extending from the clutch, a governor mounted on the main shaft, and means connected to said governor operative to engage said actuating arm.

2,005,562
LOCOMOTIVE
Joseph P. Ruth, Denver, Colo., assignor to The Ruth Company, Denver, Colo., a corporation of Colorado
Application January 15, 1934, Serial No. 706,683
6 Claims. (Cl. 105—176)



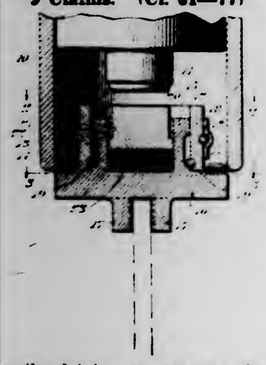
1. A railway locomotive comprising, in combination, a rigid frame, two axle assemblies secured to the frame and extending transversely thereof, each assembly comprising an elongated housing, an axle extending through the housing and mounted for rotation therein, means for holding the axle from moving longitudinally relative to the housing, a wheel secured to each end of the shaft, means for holding the axle assemblies in parallel relation while permitting them to move transversely of the frame, a lever having its ends pivotally attached to the axle housings, a pivot rigidly connected with the frame and operatively connected with the lever at its center point whereby the axles and axle housings will be constrained to move simultaneously and equal distances in opposite directions, a pilot truck, and means, controlled by the position of the pilot truck for applying a yielding force to the lever to turn it about its center pivot.

2,005,563
AUTOMATIC MACHINE TOOL ASSEMBLY
Richard F. Sanchez and Basil M. Zullo, Brooklyn, N. Y.
Application June 27, 1934, Serial No. 732,684
10 Claims. (Cl. 90—24.3)



1. A means for progressively increasing or decreasing architectural forms comprising a cutting means including a pair of pivoted cutters, supporting means for supporting said cutting means in operative position relative to an article to be worked upon, means for shifting said cutting means relative to the article simultaneous with the movement of the article relative to said cutting means, and means operable simultaneous with the shifting of said cutting means for adjusting said cutters relative to each other.

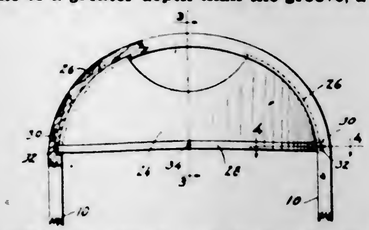
2,005,564
PILE DRIVING APPARATUS
Max Schalscha, Summit, N. J.
Application May 13, 1933, Serial No. 670,871
9 Claims. (Cl. 61—77)



1. In a pile driving apparatus, the combination of a supporting casing, a base supported from said casing, and means for supporting the base flexibly from the casing whereby it can move in a plurality of directions relative to the casing under the impact of a hammer.

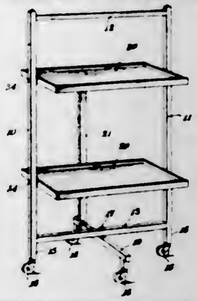
2,005,565
CHAIR CONSTRUCTION
George D. Schermerhorn, Reading, Mich.
Application October 30, 1933, Serial No. 695,727
1 Claim. (Cl. 155—142)

A chair structure comprising, in combination, a U-shaped chair frame provided with grooves formed on the inner faces of the two legs of the U-shaped frame adjacent to the closed end thereof, a bowed back rest panel extending across the closed end of the U-shaped frame between the legs thereof and having its ends freely seated within the grooves of the frame but not secured directly thereto, said frame provided with a recess in the lower end of each groove at the back thereof extending into the frame to a greater depth than the groove, a flex-



ible metal reinforcing strip extending along the back of the panel and bowed to conform therewith having its ends extending into said recesses beyond the ends of the panel and secured beyond the ends of the panel to the frame forming a tie rod between the two legs of the U-shaped frame preventing the spreading of said legs, said strip being secured to the panel intermediate its ends preventing flexing thereof sufficiently to withdraw the ends of the panel from the groove in the frame.

2,005,566
FOLDING CADDY WAGON
Edwin J. Schwabe, New York, N. Y.
Application October 18, 1934, Serial No. 748,822
4 Claims. (Cl. 211—149)

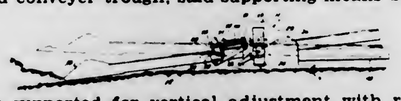


1. An article of furniture of the class described comprising a frame member adapted to be supported in upright position, a horizontally swinging foot pivotally mounted on one end of said frame member and adjustable to a position at an angle to the plane of said frame member to support the frame member in an upright position, a plurality of supporting shelves or trays pivotally mounted in said frame member and means carried by said shelves or trays for engagement with said swinging foot to maintain said swinging foot in adjusted position.

2,005,567
FEEDER HEAD FOR SHAKER OR JIGGING CONVEYERS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1934, Serial No. 714,427
20 Claims. (Cl. 198—220)

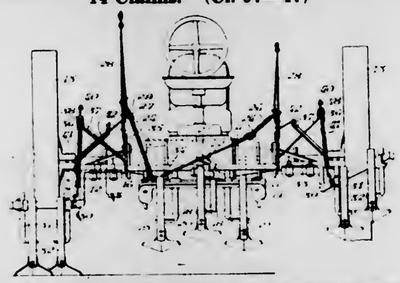
1. In a feeder head for a shaker conveyer, a shoe connectible to a conveyer trough section and

reciprocably driven thereby, an extensible trough, supporting means for supporting said extensible trough on said shoe independently of said conveyer trough for movement therewith and for extensible or retractible movement with respect to said conveyer trough, said supporting means be-



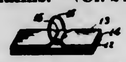
ing supported for vertical adjustment with respect to said shoe and having forwardly extending feeding means pivotally mounted thereon and bodily movable therewith for extending and retracting said extensible trough with respect to said conveyer trough.

2,005,568
TRACTOR MOUNTED CULTIVATOR
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 30, 1934, Serial No. 718,115
14 Claims. (Cl. 97—47)



1. A cultivator comprising a supporting structure, an implement frame connected to the supporting structure for vertical movement, a horizontally disposed bar pivoted at its center on the implement frame and rocking in a plane extending across the frame, a lifting and lowering device mounted on the supporting structure above each end of the horizontally disposed bar, and a lift connection between each end of said bar and the lifting and lowering device thereabove.

2,005,569
SHOULDER STRAP HOLDER
William J. Smith, Ridgefield Park, N. J.
Application September 6, 1933, Serial No. 688,277
17 Claims. (Cl. 24—73)



1. In a shoulder strap holder having a flexible sheet material with adhesive on one side, a ring with separable ends, and a means upon the free side of said flexible sheet for detachably holding said ring.

2,005,570
SHOULDER STRAP HOLDER
William J. Smith, Ridgefield Park, N. J.
Application November 25, 1933, Serial No. 699,663
14 Claims. (Cl. 24—73)

1. A shoulder strap holder, comprising a top cloth having adhesive on the bottom side, a strap holding element mounted upon the top face of said top cloth and having a portion extending beneath said top cloth for being weakly adhesively held by said adhesive, a bottom cloth as a pad beneath said top cloth and at the area immediately below said strap holding element and attached by said adhesive and simultane-

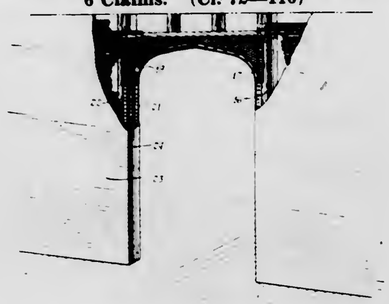


ously engaging the portion of said strap holding element beneath said top cloth, and removable straps adhesively engaged upon the bottom side of said top cloth and having overlapping ends extending over said bottom cloth.

2,005,571
N[PARA - (BETA - NAPHTHYL-AMINO) PHENYL] MORPHOLINE AND ITS PRODUCTION
George Clifford Strouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1932, Serial No. 619,279
7 Claims. (Cl. 260—28)

1. The method of preparing N[para(beta-naphthyl-amino) phenyl] morpholine which comprises condensing beta-naphthol with N(p-amino-phenyl) morpholine at reflux temperatures.

2,005,572
BUILDING ARCH CONSTRUCTION
Michael G. Vass, Maywood, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application August 9, 1933, Serial No. 684,416
6 Claims. (Cl. 72—116)

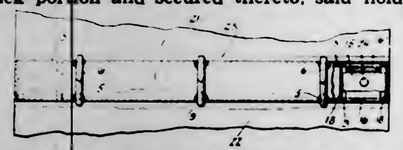


5. In an arch construction, substantially parallel, expanded metal wings and an arch-shaped strip of expanded metal extending between said wings, and corner beads including wings at substantially right angles to each other having lugs formed on the wings thereof for engaging said expanded metal and securing the same together in a unitary arch construction.

2,005,573
LOOSE LEAF BINDER
Richard M. Watson, Detroit, Mich.
Application September 22, 1934, Serial No. 745,054
7 Claims. (Cl. 129—24)

2. A loose leaf binder structure comprising a sheet metal base member having curved side walls and end walls, ring structure comprising openable ring members and portions within the base rockable on said curved side walls, said

curved portions terminating short of the ends of the base, a binder covering having front and back covers and a back portion, a pair of holding devices positioned flush against the back portion of the binder covering near opposite ends of the back portion and secured thereto, said holding



devices being positioned within the base member and in the end portions thereof beyond said rockable portions of the ring structure, and said side walls fashioned over said holding devices, and said end walls lying in close proximity to the holding devices to secure the base and ring structure to the binder covering.

2,005,574
DYESTUFFS OF THE DIBENZANTHRONE SERIES

Alexander J. Wuerts, Carrollville, Wis., and Oakley M. Bishop, deceased, late of Wilmington, Del., by Eva P. Bishop, Wilmington, Del., and Wilmington Trust Co., Wilmington, Del., executors, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application May 2, 1930, Serial No. 449,355. Divided and this application August 3, 1934, Serial No. 738,372

9 Claims. (Cl. 260—61)

1. A dyestuff of the general formula



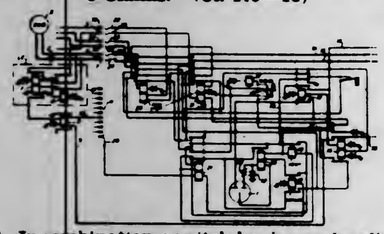
wherein J stands for hydrogen or a simple inert substituent, the phenyl nuclei being positioned in the anthrone portions of the molecule.

2,005,575
SELECTIVE SWITCH

Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 6, 1934, Serial No. 709,943

5 Claims. (Cl. 179—18)



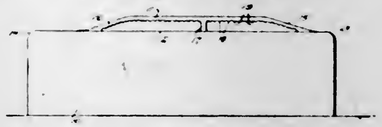
1. In combination, a switch having a plurality of fixed circuit terminals and a movable contact for testing the condition of said terminals, means for placing potential of either polarity on said terminals, a stepping magnet for moving said contact over said terminals, a relay for controlling the stepping action of said magnet, a space-discharge device arranged to permit or prevent the flow of current between its electrodes according to the potential applied thereto, and means for including said device in circuit with said movable contact and said relay.

2,005,576
BATHTUB SAFETY GRIP

Oscar Buhl and Henry V. Jacobus, Belleville, N. J.

Application May 31, 1934, Serial No. 728,403

3 Claims. (Cl. 4—185)



1. In combination with a bathtub, a hand rail or grip secured to said bathtub along at least one edge thereof, said hand rail or grip extending above the top of the edge of the bathtub, said hand rail or grip having a smooth top surface and a serrated bottom surface affording finger gripping facilities, said hand rail or grip being an integral part of said tub.

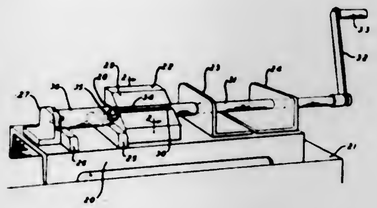
2,005,577
METHOD OF AND APPARATUS FOR POSITIONING LINERS

Archie J. Dowd, Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 10, 1934, Serial No. 706,003

11 Claims. (Cl. 153—42)

1. A method of forming a liner blank and positioning the same in a container which comprises the steps of detachably securing a liner blank to a mandrel within a coacting former, forming the blank upon the mandrel within the former, removing the mandrel and formed liner from the former, inserting the same into a container, and withdrawing the mandrel from the liner and container.



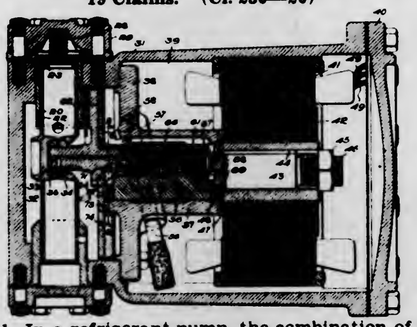
9. In an apparatus for forming a liner blank and positioning the same within a container, a first forming means, a second forming means coacting therewith and slidable into and out of operative relation thereto, means to effect relative rotation of the two forming means to form a liner blank, and means to support a container to receive the formed liner and the second forming means when the latter is out of operative relation to the first forming means.

2,005,578
COMPRESSING MACHINE

William D. Drysdale, Buffalo, N. Y., assignor to Walter J. Sugden, Boston, Mass.

Application August 6, 1932, Serial No. 627,736

19 Claims. (Cl. 230—20)



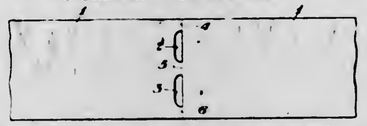
1. In a refrigerant pump, the combination of a cylinder having a lateral intake port, an outlet valve, a piston working in said cylinder and adapted to cover and uncover said port, and mechanism to impart to said piston a reciprocatory motion of variable amplitude varying from a zone within which said piston covers and uncovers said port and causes refrigerant to be admitted through said port and discharged past said outlet valve, to a zone within which said piston maintains said port closed.

2,005,579
ELECTRICALLY WELDING PIPE

Wray Dudley, Mount Lebanon Borough, Pa., assignor to National Tube Company, a corporation of New Jersey

Application August 28, 1933, Serial No. 687,185

2 Claims. (Cl. 219—10)



1. A method of manufacturing pipe by continuous welding methods, including producing laterally slotted skelp having continuous side edge portions, shaping and welding said skelp so as to effect a continuous production of circumferentially slotted pipe and then cutting the portions of said pipe circumferentially separating its slots.

2,005,580
DRYING APPARATUS

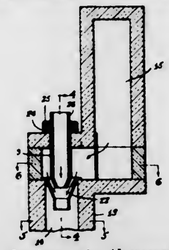
Albert W. Ferre, Wellesley, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.

Application September 7, 1934, Serial No. 743,070

3 Claims. (Cl. 34—48)

1. Drying apparatus comprising a drying chamber, means for providing drying air under static pressure within said chamber, an opening in said chamber through which material under treatment passes, means utilizing drying air for inducing the flow inwardly through said opening of atmospheric air, and means for adjusting the effect of said last mentioned means to induce the flow of external air into said chamber or to produce a balance between the drying air in said chamber and atmospheric air external said chamber to prevent the flow of drying air through said opening and the flow of atmospheric air through said opening.

3. Drying apparatus comprising a drying chamber, means for providing drying air under static pressure within said chamber, an opening in said chamber through which material under treatment passes, a venturi within said opening, a nozzle within said opening for conducting atmospheric air outside said chamber to said venturi, means



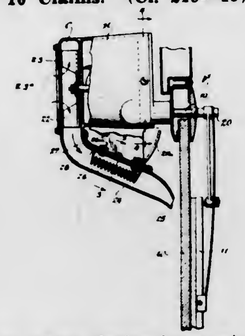
for directing drying air through said venturi to induce the inward flow through said nozzle of atmospheric air, and means for varying the distance between the tip of said nozzle and said venturi to vary the inducing effect of said drying air upon atmospheric air external said opening.

2,005,581
COMBINATION WINDSHIELD WIPER AND HEATER

Edwin B. Gary and Edward A. Ebert, Buffalo, N. Y.

Application October 8, 1930, Serial No. 487,216

10 Claims. (Cl. 219—19)



1. A clear vision device for a windshield, including a windshield wiper, an electric motor for operating said wiper, a housing for said motor, a fan casing carried by said housing, a fan in said casing adapted to create a current of air, said casing being formed to direct the current of air directly against that portion of the said windshield which is traversed by the wiper, an electric resistance element in said casing for heating said current of air, means connecting said motor and said wiper whereby the latter is oscillated by said motor and connecting means between said motor and said fan whereby said fan is rotated continuously in the same direction during the oscillations of said wiper.

2,005,582
INDUCTIVE DEVICE

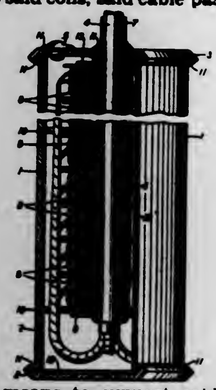
Frederick J. Given, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 6, 1934, Serial No. 714,341

8 Claims. (Cl. 178—46)

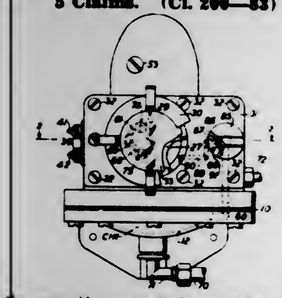
1. A loading coil case, coils enclosed in said case, a stub cable leading into said case from one end

only, leads to said coils, said cable passing through



and having means to support said coils independently of said case.

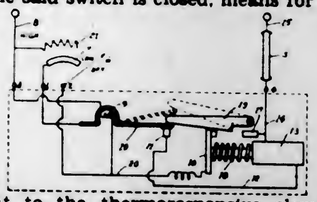
2,005,583
SIGNALING DEVICE
Leon N. Hampton, New York, N. Y., and Albert K. Smith, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1934, Serial No. 707,490
5 Claims. (Cl. 200—83)



1. A pneumatic operated signaling device comprising a plurality of air chambers, a plurality of disengaged contacts in one of said chambers, a yieldable partition serving as a common wall between two of said chambers and operable upon a pressure difference in said chambers for engaging one of said contacts and means in said chamber actuated by the movement of said contact for indicating such pressure.

2,005,584
TEMPERATURE CONTROLLING DEVICE
Albert M. Heyroth, Niagara Falls, N. Y., assignor to Globar Corporation, Niagara Falls, N. Y.
Application January 27, 1932, Serial No. 589,177
6 Claims. (Cl. 175—375)

1. A system for varying the ratio of the on and off periods of an intermittently operated electrical device, comprising in combination an electromagnetic switch actuated in one direction by a solenoid and in the reverse direction by mechanical means, holding means for preventing the return movement of the switch after it has been actuated by the solenoid, a mechanical release means adapted to disengage the said holding means, a thermoresponsive element operating between two positions, the thermoresponsive element in one of the said positions making an electrical contact which closes the solenoid circuit and in the other of the said positions actuating the mechanical release to permit the automatic opening of the switch, a shunt circuit by-passing at least a portion of the current around the solenoid when the said switch is closed, means for applying heat to the thermoresponsive element in repetitive cycles dependent upon the on and off positions of the switch, and means for varying the rate of heat supply to the thermoresponsive element.

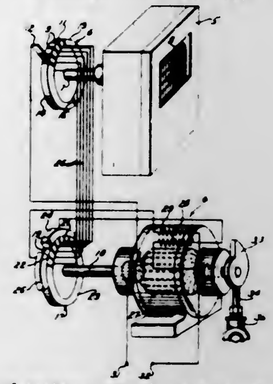


2,005,585
BOTTLE CROWNING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application September 5, 1931, Serial No. 561,381
2 Claims. (Cl. 226—88.1)



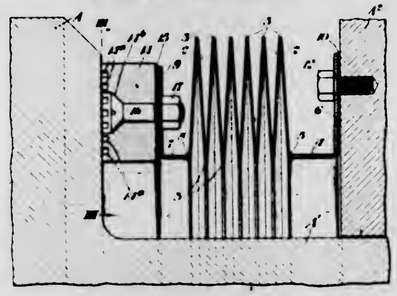
1. In a bottle crowning machine, a crown hopper, a crown throat, and a chute connecting said hopper with said throat, a portion of said chute being inclined slightly from the horizontal, positioned to support the crowns in a vertical plane upon their peripheral edges and being open at its lower edge, and a bar spaced from at least one side wall of said chute portion and disposed in said lower edge of said chute portion and engageable with the peripheral surfaces of crowns in said chute to hold said crowns in said chute while permitting foreign matter to fall from said chute.

2,005,586
CONTROL SYSTEM
Ludvik Joseph Koci, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1931, Serial No. 574,585
1 Claim. (Cl. 236—76)



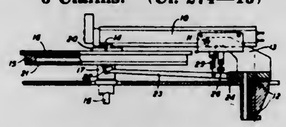
A control system comprising a temperature responsive means, a valve for adjusting the temperature, a cam for actuating said valve, a motor for actuating the cam, a contact member carried by said motor having a plurality of segments, a contact member actuated by said temperature responsive means having a plurality of segments, and circuit connections between segments of said contact members and the motor for causing the motor to directly position the cam in accordance with the position of the segments of the contact member actuated by the temperature responsive means.

2,005,587
OIL SEAL
Edwin T. Lorig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application August 8, 1933, Serial No. 684,286
1 Claim. (Cl. 286—11)



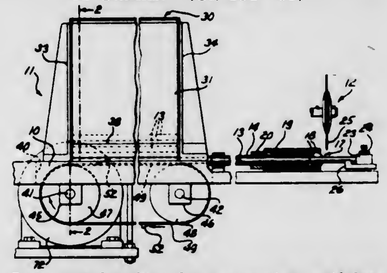
In a rolling mill employing rolls which are supplied with different lubricants on their respective body and neck-end portions, the combination of a seal for preventing the intermingling of said lubricants, said seal comprising a resilient bellows having a central aperture through which the neck-end of the roll is adapted to extend, means for securing one end of said bellows to the bearing block of the mill, and a sealing ring secured to the outer end of said bellows and adapted to be resiliently held in contact with the adjacent side of the body of said roll irrespective of eccentric movement thereof, said sealing ring being composed of a fabric and a phenolic condensation product and having a plurality of annular grooves in its contact surface, whereby any lubricant tending to flow from the body of said roll to the neck-end thereof is entrapped and likewise any lubricant tending to flow out from the neck-end of said roll is entrapped, said entrapped lubricants serving to increase the sealing effect of said sealing ring.

2,005,588
STYLUS FEED MECHANISM FOR PHONOGRAPHS
Rudolph F. Mallina, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1931, Serial No. 559,844
3 Claims. (Cl. 274—13)



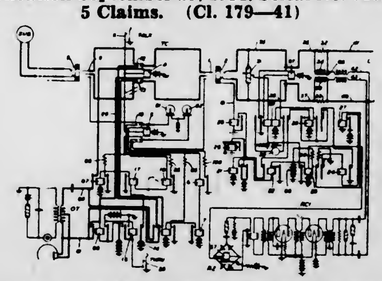
3. In a phonographic recording machine a record blank, a turntable, a recording stylus cooperating with the record blank, and means for driving the stylus across the record blank, said means comprising a rotatable disc beneath the turntable and having formed in a surface thereof a spiral groove, a resilient follower for the groove contacting substantial adjacent sections of the groove, and means for securing the follower to the stylus.

2,005,589
ARTICLE CONVEYING MECHANISM
Clarence E. McCoy, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1933, Serial No. 666,071
11 Claims. (Cl. 164—61)



1. In a mechanism for conveying articles, an endless traveling member for receiving an article, means extending from the periphery of said member for engaging and advancing an article received on said member, tensioned elastic means operatively connected to said member for causing the same to travel, and means tending to continually tension said elastic means for continually urging said member to travel.

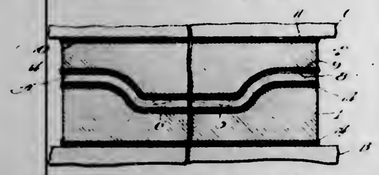
2,005,590
TELEPHONE SYSTEM
John Meszar, Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1934, Serial No. 746,035
5 Claims. (Cl. 179—41)



1. In a signaling system, an outward operator's position, a line extending therefrom and terminating at a plurality of different operators' positions, line signals at each of said distant positions, a source of alternating signaling current at each end of the line, means at the outward position for connecting its associated source of current to the line as a connect signal, means at the other end of the line responsive to said transmitted connect signal to operate the line signal at one of said positions and to connect the signal current source thereat to the line as an answer-back signal, means at the outward position responsive to said answer-back signal to dis-

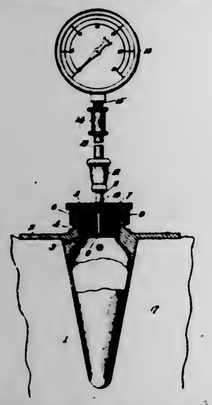
connect said connect signal current from the line, and operator controlled means at the outward position adapted to accelerate disconnection of the connect signal in response to the answer-back signal whereby the connect signal is shortened, and means at the distant end of the line responsive to said shorter connect signal impulse to prevent the line signal from operating at said one position and to operate the line signal at the other position.

2,005,591
METHOD OF MAKING DIES
George R. Meyercord, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, a Federal corporation
Application May 27, 1933, Serial No. 673,175
16 Claims. (Cl. 76—107)



1. The method of producing working face plates for complementary forming dies, which comprises the casting of rough complementary metal blocks of the proper shape, and forcing said blocks together under heavy pressure while having between their die faces a stack of sheets comprising upper and lower sheets of soft metal, such as lead, and intermediate sheets including sheets of hard ductile metal in contact with the lead sheets.

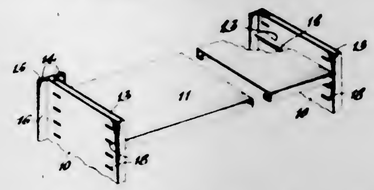
2,005,592
METHOD AND APPLIANCE FOR DETERMINING DEGREE OF DOUGH FERMENTATION
Francis X. Nedler, Arkansas City, Kans., assignor of one-half to Martha Nedler, Arkansas City, Kans.
Application January 19, 1934, Serial No. 707,296
4 Claims. (Cl. 73—51)



1. An appliance for determining the gas pressure developed by a batch of dough which comprises an air-tight container having a marginal flange limiting embedment of the container in the dough mass, the container having an opening for ingress of a piece of dough, a cap for sealing the opening, and means for indicating pressure of gases of fermentation arising from the piece of dough.

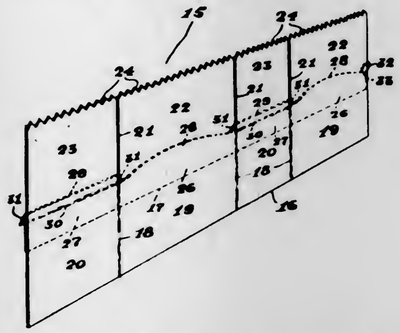
4. A process of determining the desired degree of fermentation in a dough batch regardless of a loss of temperature by the batch and the time of fermentation, which comprises confining a sample of the batch, maintaining a heat transmitting relation between the batch and sample so that the latter shall always stand at the temperature of the former regardless of its variations in temperature, and determining the degree of fermentation of the sample by measuring the gases evolved by said sample.

2,005,593
SHELVING
Herbert J. Onions and Robert E. Sandberg, Warren, Pa., assignors to De Luxe Metal Furniture Company, a corporation of Pennsylvania
Application July 11, 1933, Serial No. 679,928
5 Claims. (Cl. 211—136)



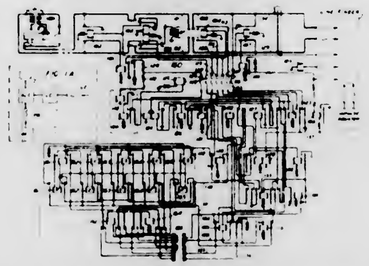
2. In a shelving unit, the combination of a pair of uprights having openings therein, shelf-supporting members applied to the opposing faces of said uprights and each having upstanding portions thereon engaging said openings in interlocking relation therewith, each of said members having a recess in its rear edge forming an opening between the same and the adjoining upright-wall, and shelves disposed between said supporting members and each having a depending flange at each end thereof engaging in the recess of the companion supporting member.

2,005,594
LINER FOR FRUIT BOXES
Carl E. Ridgway, Seattle, Wash.
Application October 15, 1932, Serial No. 637,941
9 Claims. (Cl. 217—3)



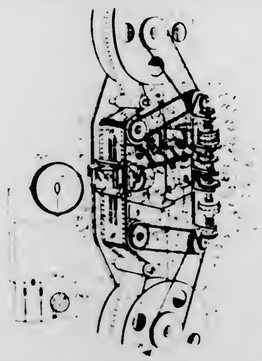
1. A liner for a fruit box comprising a liner sheet, a reinforcing collar attached to said liner sheet, and means carried by said collar for supporting the liner sheet within the fruit box while the same is being packed.

2,005,595
TELEPHONE SYSTEM
Frank A. Roome and Hans W. Haffter, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1933, Serial No. 690,970
In Belgium October 21, 1932
10 Claims. (Cl. 179—18)



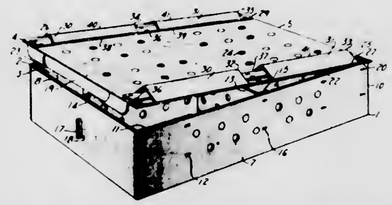
1. In an automatic or semi-automatic telephone system, subscribers' lines entitled to different classes of service, and a discriminating circuit for said lines comprising means responsive to the initiation of a call by one of said lines for connection with said line, and means for determining the class of service to which said calling line is entitled.

2,005,596
SOUND REPRODUCTION PROJECTOR
Gordon Brown Scheibell, Newark, N. J.
Application April 11, 1930, Serial No. 443,398
31 Claims. (Cl. 179—100.3)



1. In a sound reproducing apparatus, a reversible reel mechanism carrying a film, said film having sound recorded thereon in adjacent channels with the sound record in one channel extending in one direction and the sound record in the adjacent channel extending in the opposite direction, a light source disposed on one side of said film, a photo-electric cell on the opposite side of said film, a pair of prism members independently aligned with said sound records, a light aperture for directing light rays from said light source through one or the other of said prisms and incident upon said photoelectric cell in accordance with the sound channel being reproduced, and means controlled at the limit of travel of said film in one direction for shifting said light aperture from a position registering with one of said sound channels in alignment with one of said prisms and to a position registering with the other of said sound channels in alignment with the other of said prisms.

2,005,597
CONTAINER
Edward H. Siler, Lawrence, Kans., assignor to The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas
Application December 6, 1933, Serial No. 701,114
5 Claims. (Cl. 229—6)



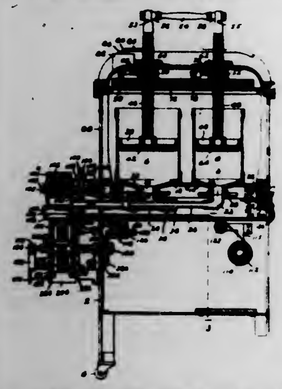
1. A container of the character described including an apertured portion having lateral extensions on the side edges thereof and folded to form rail portions for spacing an object that may be placed on the container in spaced relation with said apertures, an attaching strip integral with said rail portions and having ends extending beyond the rail portions, and means for securing said ends of the attaching strip to the apertured portion.

2,005,598
DEVICE FOR INTRODUCING DRY GRANULAR MATERIALS INTO THE SOIL
August L. Smith, Harrison, N. Y.
Application January 3, 1935, Serial No. 198
14 Claims. (Cl. 111—96)



1. A device of the character described comprising a body portion having a connected discharge tube, a closure member at the discharge end of said tube normally closing the same and being projectable therefrom to open the tube, and cleaning means within the tube operative to remove material therefrom when the closure member is in open position.

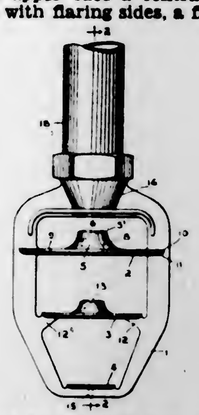
2,005,599
AUTOMATIC FOOD MOLDING AND WRAPPING MACHINE
William Stricker, Kansas City, Mo.
Application October 13, 1933, Serial No. 693,430
13 Claims. (Cl. 93—7)



1. In a machine of the character described, a rotary carrier, mechanism for rotating said carrier step by step, trays spaced apart and operably mounted upon said carrier for the reception of wrappers and articles to be wrapped therein, the distance between trays being equal to each step of the carrier, folding devices operably mounted upon the carrier for folding the wrappers longitudinally around the respective articles, means for operating said folding devices while the carrier is in motion, pairs of blades reciprocably mounted upon the carrier for partially folding the ends of said wrappers around the ends of the respective articles, reciprocatory members having means for successively moving said blades outwardly a limited distance to partially fold the ends of the respective wrappers as specified and while the carrier is in motion, mechanism for moving said reciprocatory members outwardly, while the carrier is at rest, to effect greater outward movement of the blades and thereby further fold the ends of the respective wrappers and then restoring said reciprocatory members to their inward position to return the blades to their partially outward position, a trough for cooperating with the blades in folding the ends of the wrappers as said blades travel through said greater outward movement, cooperating means on each pair of blades and the respective trays for drawing the latter outwardly as said blades travel through said greater outward movement, resilient means for restoring the respective trays to their inward position as the blades move inwardly, means for depositing the partially wrapped articles into the trough as the respective trays return to their inward position, and means for completing the end folding operation of the wrappers.

2,005,600
DISTRIBUTOR NOZZLE
Alexander Bennell Tappen, Briarcliff Manor, N. Y., assignor to The Cooling Tower Co. Inc., New York, N. Y., a corporation of New York
Application July 28, 1932, Serial No. 625,332
5 Claims. (Cl. 299—121)

1. In a device of the character described, means for spraying water comprising a source of supply having a delivery port and a plate positioned below and spaced from said port, said plate having on its upper face a centrally apertured raised section with flaring sides, a flat horizontal

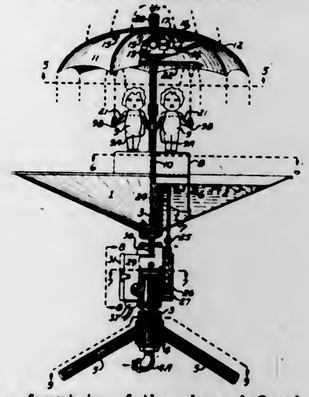


annular surface surrounding said raised section and having a sharp marginal edge.

2,005,601
PICKLING OF FERROUS METALS
William P. ter Horst, Bay Village, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 17, 1934, Serial No. 753,511
21 Claims. (Cl. 148—8)

1. In the pickling of ferrous metals, the method of inhibiting corrosion of the metal being pickled comprising pickling in the presence of spin bath solution that has been employed in the viscose process of manufacturing artificial silk.

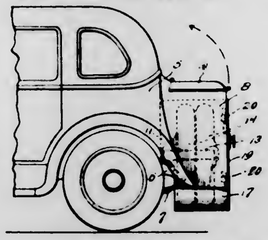
2,005,602
COMBINATION FOUNTAIN AND BIRD BATH
Frederick Thomson, Port Huron, Mich.
Application May 28, 1934, Serial No. 727,867
7 Claims. (Cl. 299—4)



1. In a fountain of the class defined, a bowl supported by a vertically arranged tube, the upper end of said tube extending within said bowl to such a point as to form an overflow for water in said bowl, a hub with legs attached thereto, the lower end of said tube threadedly engaging said hub, a water outlet secured to the bottom of said hub.

2,005,603
[WITHDRAWN]

2,005,604
TOOL CHEST AND SPARE WHEEL CARRIER FOR AUTOMOBILES
Emily Thrine, Battle Creek, Mich.
Application May 9, 1933, Serial No. 670,158
1 Claim. (Cl. 296—37)

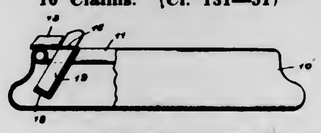


In combination with an automobile, a tool chest and spare wheel carrier including a receptacle built on the rear of the automobile body as an integral rearward extension thereof and with the upper front wall of the receptacle constituting part of the rear wall of the automobile body, the lower front portion of said receptacle being offset rearwardly to provide a substantially horizontal front wall portion resting upon the side frame members of the automobile chassis, an angular plate extending across the receptacle against the front wall of the latter at the offset and secured at its ends upon the side frame members of the automobile chassis, a spare wheel supporting shaft rigid with and projecting rearwardly from said angular plate intermediate its ends and within the receptacle, and a door for the rear of said receptacle permitting access to and removal of the spare wheels carried by said supporting shaft.

2,005,605
PROCESS AND BATH FOR PICKLING METALS
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 28, 1931, Serial No. 577,859
7 Claims. (Cl. 148—8)

1. A pickling bath comprising a dilute acid and a relatively small quantity of organic bases separated from shale oil.

2,005,606
SAFETY ASH TRAY
Byron T. Wall, Raymond, Alberta, Canada
Application November 15, 1934, Serial No. 753,193
In Canada November 17, 1933
10 Claims. (Cl. 131—51)



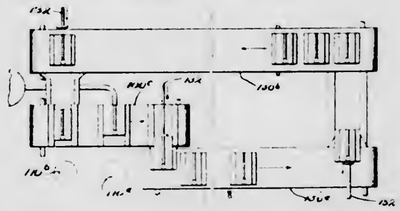
1. In a safety ash tray, a rest for cigars or cigarettes, a hood member, a heat responsive member arranged to be influenced from the combustion of a lighted cigar or cigarette to move the hood member into position with the cigar or cigarette to smother and stop combustion.

2,005,607
COUPLING FOR BOGIE AXLES
Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France
Application April 3, 1934, Serial No. 718,864
In France April 13, 1533
6 Claims. (Cl. 105—194)



1. In a bogie, a frame having a pair of carrier axles and a pair of pilot axles vertically movable therein, a spring mounted intermediately upon each carrier axle, anchors between the remote ends of the springs and the frame, a rocking arm mounted intermediately on the frame between the carrier axles, shackles between the opposite ends of the rocking arm and the adjacent ends of the springs for yieldably suspending the carrier axles in the frame, springs for the pilot axles and a leverage system between the carrier axles and the springs of the pilot axles to transmit motion from one axle to the other axles.

2,005,608
APPARATUS FOR USE IN MAKING FOOTWEAR
William H. Bresnahan, Lynn, Mass., assignor, by mesne assignments, to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application October 5, 1928, Serial No. 310,594
38 Claims. (Cl. 12—36)

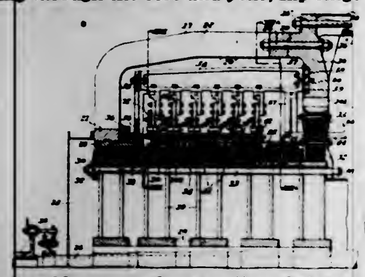


27. Sole pressing apparatus comprising a plurality of presses each having shoe supporting means and a pressure pad, elongate conveyor means on which said presses are mounted, means for moving said conveyor means in a path including a rectilinear traverse, said path having a loading station at one portion thereof, and means at said station for increasing the pressure between a pressure pad and a shoe, the path of said conveyor means being sufficiently long to enable work in each press to set between successive arrivals of such press at the loading station.

2,005,609
DYNAMO-ELECTRIC MACHINE
James V. Caputo, Crafton, Pa.
Application September 8, 1933, Serial No. 688,642
63 Claims. (Cl. 171—212)

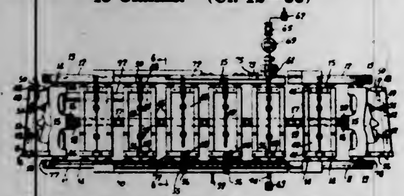
1. In a homopolar generator, a magnetic yoke, an annular core coaxial therewith mounted for rotation relative to said yoke, a plurality of field windings distributed axially of said core, induc-

tors embedded in said core for cutting the flux passing through the core and yoke, slip rings car-



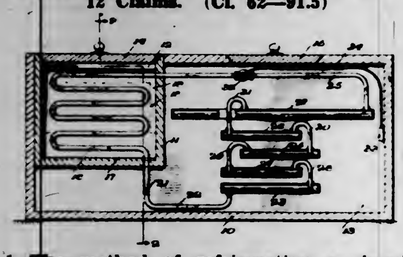
ried on said core, and connections between said inductors and said slip rings.

2,005,610
SOLE AFFIXING MACHINE
William C. Card, Jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application June 27, 1929, Serial No. 373,973
45 Claims. (Cl. 12—36)



1. In a machine of the class described, in combination, a movable flexible elongate carrier, a plurality of shoe presses mounted on said carrier and adapted to be moved through a circuitous path thereby, each of said presses including an inflatable pressure pad and means for clamping a shoe thereagainst; means including an air supply source at a predetermined position along said circuitous path for thereafter increasing the pressure of the pad against the shoe, means for subsequently decreasing the pad pressure, and means for positively releasing said clamping means.

2,005,611
DRY ICE REFRIGERATING SYSTEM
William W. Carson, Jr., Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application June 6, 1933, Serial No. 674,573
12 Claims. (Cl. 62—91.5)



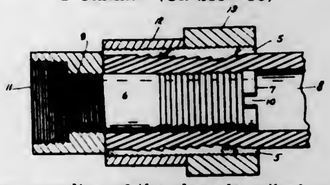
1. The method of refrigerating a chamber which includes the steps of condensing a vaporizable liquid in heat interchanging relation with solid carbon dioxide or the like, flowing the condensed liquid by gravity to an evaporator in said chamber, absorbing heat from said chamber at a series of vertically distributed levels in said chamber by evaporating some of said liquid at each of said levels while raising unevaporated liquid to the next higher level by the vapor formed at each level until the main portion of said liquid reaches a main evaporator disposed adjacent the upper portion of the chamber to be refrigerated, evaporating the liquid in said upper evaporator to maintain the desired temperature within said chamber, and returning the vapor evolved from said main evaporator to said coil for recondensation.

2,005,612
FOUNDATION GARMENT
Katherine E. Cunningham, New Haven, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application November 23, 1933, Serial No. 699,462
7 Claims. (Cl. 2—30)



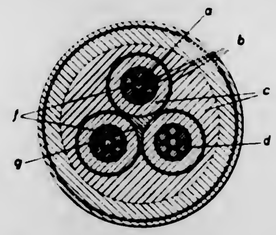
1. A foundation garment of the character described including a corset body open at the front, lacing for drawing said opening together, an elastic vest arranged beneath the front portion of the corset body and extending across said opening, said body having a second opening extending from the top downwardly, and a slide fastener for drawing said second opening together and bringing said elastic vest under tension, said lacing acting to pull the corset body to relieve said tension.

2,005,613
HOSE COUPLING
George Davis and Jack H. Davis, Dallas, Tex.
Application July 6, 1934, Serial No. 734,050
1 Claim. (Cl. 285—86)



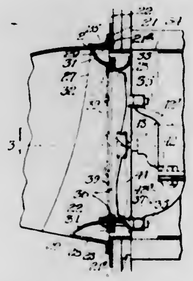
A hose coupling of the class described comprising a member having its major portion of cylindrical shape and of the same exterior diameter throughout, the rest of the member being reduced and of non-circular shape in cross section, said reduced part having a threaded bore therein, the inner portion of which is of considerable less diameter than the interior diameter of the major portion, said major portion being externally screw threaded and having longitudinally extending slits therein terminating short of the inner end thereof, the interior faces of the segments formed by the slits having teeth thereon, the toothed parts gradually increasing in thickness toward the outer end of the member, a nipple having one end threaded in the inner portion of the bore of the non-circular portion with the rest of the nipple extending into a hose placed between the same and the first mentioned member, said nipple having its major portion forming an uninterrupted cylinder with teeth of annular form on the major portion of the exterior thereof for cooperating with the teeth of the first mentioned member for holding a portion of a hose between the two members and a nut threaded on the outer portion of the member.

2,005,614
RUBBER INSULATED CABLE
Josef Fassbender, Cologne-Nippes, Germany, assignor to Land und Seekabelwerke A. G., Cologne-Nippes, Germany
Application January 6, 1932, Serial No. 585,085
In Germany January 15, 1931
6 Claims. (Cl. 173—264)



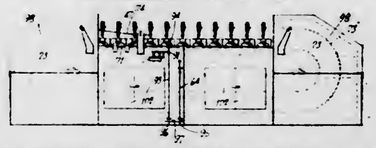
1. A cable having metallic parts, a layer of a vulcanized rubber mixture constituting the actual insulation and a layer of gutta-percha between the metallic parts and the rubber insulation, which layer of gutta-percha is thin as compared with the thickness of the rubber insulation and serves to fill up the hollow spaces between the metallic parts and the rubber insulation and to cement the metallic parts with the rubber insulation during the vulcanization of the cable.

2,005,615
VENTILATING MEANS
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
Application July 31, 1933, Serial No. 683,079
8 Claims. (Cl. 98—43)



4. In combination with a building a wall of which contains an opening communicating with the interior of the building, a structure at said opening and containing a circular opening therethrough and having a constricted portion, a series of hingedly supported louvers in said circular opening at said constricted portion, and means for forcing air through said opening.

2,005,616
SOLE-AFFIXING MACHINE
Eric T. Franzen, Maplewood, and Arthur J. Weiss, West Orange, N. J., assignors to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application December 18, 1929, Serial No. 414,849
21 Claims. (Cl. 12—36)

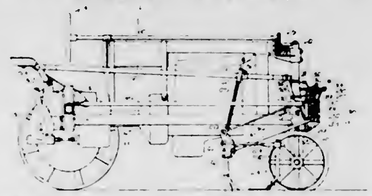


1. In combination, a shoe press having a pad, means for clamping a shoe thereagainst, and supporting means for said press comprising a flexible elongate conveyor means for holding said press in loading position with its face downwardly inclined toward the operator, a portion of said angle of inclination being due to an inclined surface on the supporting means and the remainder thereof being due to the formation of the press.

2,005,617
PROCESS FOR SIMULTANEOUS PRODUCTION OF AVAILABLE PHOSPHORIC ACID AND AVAILABLE LESS COMMON ELEMENTS
Frederick William Genz, Richmond, Va., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia
No Drawing. Application September 12, 1932, Serial No. 632,866
3 Claims. (Cl. 71—7)

1. Process for the simultaneous production in a single reaction of a mixed fertilizer of available phosphoric acid, and available compounds of elements in the following group, manganese, zinc, copper and magnesium, comprising mixing phosphate rock and a carbonate of an element or elements selected from the said group in which carbonate or carbonates the content of the said selected element or elements is sufficient to give a proportion by weight of said element or elements of 3.58% of the reaction mixture, and treating the mixture with a re-agent commonly effective in combining both constituents of the mixture into plant available compounds.

2,005,618
TRACTOR CULTIVATOR
William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 18, 1934, Serial No. 748,798
11 Claims. (Cl. 97—47)



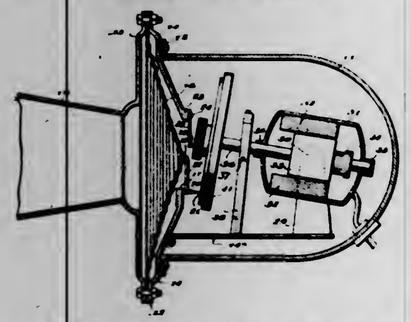
1. The combination of a tractor having fixed supporting means extending forwardly on the front end of the tractor, a transversely extending member loosely carried on said supporting means for translative movement horizontally with respect thereto and projecting beyond each side of the tractor, means on the tractor for shifting said member axially, a thrust member

connected to each projecting portion of the transverse member by a vertical pivot and similarly connected to the rear portion of the tractor, tillage tools having dragbars trailing from the projecting portions of the transverse member, and means whereby the horizontal translative movement of the transverse member is limited.

2,005,619
ESTERS OF ACIDS OF PHOSPHORUS
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1934, Serial No. 752,465
22 Claims. (Cl. 260—99.20)

1. A mixture of esters of an acid of phosphorus obtainable by reacting one molecular proportion of an esterifying derivative of an acid of phosphorus with a mixture of alcohols containing at least one molecular proportion of primary monohydric a-cyclic alcohols of at least 8 carbon atoms and at least one molecular proportion of at least one member of the group consisting of phenols and primary monohydric a-cyclic alcohols different from one of the first mentioned alcohols.

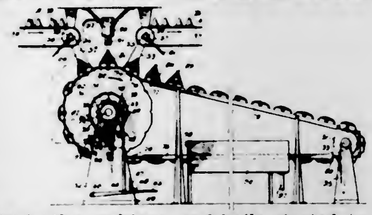
2,005,620
VEHICLE HORN
Joseph E. Griffin, Savannah, Ga.
Application August 29, 1932, Serial No. 630,918
4 Claims. (Cl. 177—7)



3. A signal comprising a casing section having a central opening and comprising a support, a bearing on said support, a diaphragm mounted on one side of the section and having a stylus extending through the opening to the other side of the section and resting on the bearing, a second stylus mounted on the support, a turntable having a record with a sound groove engageable with the diaphragm and stylus, securing means to fasten the record on the turntable having a matching groove engageable with the second stylus, an armature-shaft assemblage carrying the turntable, a motor having field coils for revolving the assemblage, said assemblage being shiftable with respect to said coils, and a mounting with respect to which the motor is movable.

2,005,621
APPARATUS FOR SUBJECTING SHOES AND OTHER ARTICLES TO PRESSURE
Otto Habicht, Frankfort-on-the-Main, Germany, assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1928, Serial No. 316,515
Renewed November 9, 1934
24 Claims. (Cl. 12—36)

9. An apparatus for subjecting articles to pressure, comprising a conveyer chain composed of movably connected links, expansible cushions on said links, means for supplying a medium under pressure to said cushions, movable members arranged to engage said articles on the side op-



posite to the cushions, and balls pivoted to said links and arranged to engage said members, to hold articles mounted on said links, against the pressure exerted by the expanded cushions.

2,005,622
HOSE SUPPORTER
Michael Hawie, Greens Farms, Conn.
Application March 11, 1935, Serial No. 10,516
2 Claims. (Cl. 24—245)

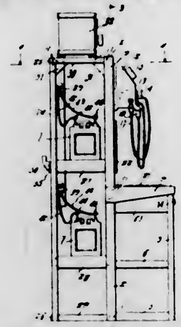


1. Attaching means for a hose supporter comprising a rigid loop member and a flexible tab member cooperable therewith, said tab member consisting of a piece of flexible textile tape provided at one end with a transverse rubber abutment having interlocking connection with the upper portion of the loop and provided at its opposite end with a rubber button adapted to interlock with the lower portion of the loop member, the button and abutment being secured to the tape and being connected together by the tape only.

2,005,623
STORAGE BATTERY CHARGING RACK AND DISPLAY STAND
Benjamin F. W. Heyer, Bloomfield, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application July 22, 1931, Serial No. 552,530
4 Claims. (Cl. 136—173)

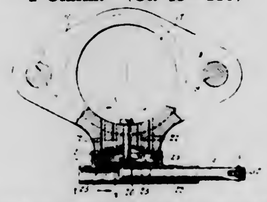
1. A combined storage battery charging rack and display stand comprising a vertically disposed imperforate panel, rear uprights of substantially the same height as the panel arranged at one side thereof, superposed horizontal shelf members rigidly connected to the panel and rear uprights, a battery charger element supported by one of said shelf members, non-corrosive trays supported by said shelf members and containing rigid non-corrosive grids on which batteries may rest during charging, each tray having an endless boundary wall of substantially the same height as the grids electric conductors leading from said element to points adjacent to the grids adapted to be attached to batteries to be charged,

shorter uprights positioned forwardly of the panel and rigidly connected to the latter, a table member supported by the shorter uprights and



panel and adapted to support a battery while the latter is being tested, and battery display shelves arranged beneath the table member and connected to the panel and shorter uprights.

2,005,624
GAS AND AIR MIXING DEVICE
Marion F. Kowalski, New York, N. Y.
Application July 18, 1934, Serial No. 735,874
1 Claim. (Cl. 48—180)



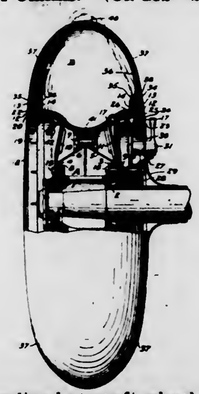
A gas and air mixing device comprising a part having means for securing it in place and provided with an open mixing passage for mixing vaporized liquid fuel and air, said part having a plurality of air passages therein communicating with said mixing passage, a tubular member, complemental cups on said first part and the tubular member respectively, and together forming a chamber, means to detachably secure the cups to each other, said air passages communicating with said chamber, said tubular member having a plurality of air inlet ports therein communicating with said chamber, and a valve member slidable in said tubular member to open and close said air passages and ports, to control the inflow of air through said tubular member, ports, chamber and passages into said mixing passage.

2,005,625
SALIVA EJECTOR
Anthony M. La Riche, Cleveland, Ohio, assignor to Detroit Dental Manufacturing Co., Detroit, Mich., a corporation of Michigan
Application October 5, 1931, Serial No. 566,928
Renewed January 30, 1935
10 Claims. (Cl. 32—33)



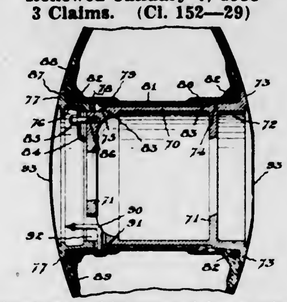
2. In a saliva ejector for use in dental work, a siphon having a downwardly directed end with a suction opening formed therein, and a removable guard for the suction opening of said siphon, said guard having resilient members integrally formed therewith for detachably gripping the sides of the end of said siphon and forming a snap-fastener therewith.

2,005,626
AIRCRAFT LANDING WHEEL
Alger G. Maranville, Akron, Ohio, assignor to General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 25, 1933, Serial No. 686,743
4 Claims. (Cl. 152—29)



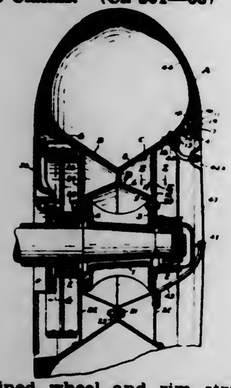
1. A streamlined aircraft wheel and pneumatic tire assembly comprising a pneumatic tire of ovate cross sectional form when inflated having side walls which diverge from the tread to the base of the tire, and a wheel body supporting said tire and provided with side covering closure walls which have external side faces shaped to merge with and form continuations of the external surfaces of the side walls of the inflated tire and which complete the streamline form of the entire wheel and tire assembly.

2,005,627
AIRPLANE LANDING WHEEL
Alger G. Maranville, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 6, 1930, Serial No. 426,333
Renewed January 7, 1935
3 Claims. (Cl. 152—29)



1. A wheel assembly comprising a stream-line pneumatic tire having a relatively narrow tread portion and elongated side walls diverging from the tread portion, a hub having means at the opposite ends thereof for clamping the tire, said hub having end faces forming continuations of the side walls of the tire.

2,005,628
VEHICLE WHEEL
Alger G. Maranville, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 11, 1933, Serial No. 592,317
9 Claims. (Cl. 301—63)



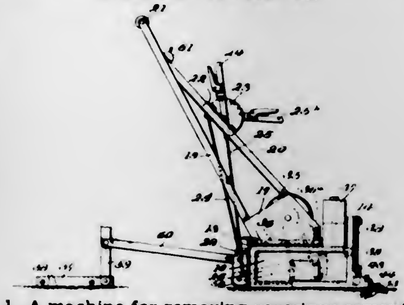
5. A combined wheel and rim structure for pneumatic tires for aircraft use comprising a hub having axially spaced radial flanges, and a wheel and rim body including a pair of annular stamped metal wheel halves, each half having a radial portion intermediate the inner and outer peripheries thereof abutting and being secured to the corresponding radial portion of the other wheel half, a radially inner portion of frusto-conical shape having a radially inwardly extending flange secured to one of said radial flanges of said hub, and a radially outer portion of frusto-conical shape diverging laterally and radially outwardly away from the corresponding portion of the other wheel half and from said radially inner frusto-conical portion and terminating in a tire engaging bead flange, said radial outer frusto-conical portion being of substantially greater axial width than the axial width of the said inner frusto-conical portion, and the axial distance between the bead flanges of said radially outward portions being materially greater than the axial distance between said flanges of said hub, each of said wheel halves also having an annular element bridging the space between said radially inner and outer frusto-conical portions and being secured to the radially inner frusto-conical portion adjacent the inner edge thereof and to said radially outer frusto-conical portion intermediate the radial portion and radial bead flange thereof.

2,005,629
STACKING OR ARRANGING SUBSTANTIALLY FLAT ARTICLES SUCH AS BISCUITS
Leonard Marsden, Newton-le-Willows, England, assignor to T. and T. Vicars Limited, Earlestown, Newton-le-Willows, England, a British company
Application December 7, 1933, Serial No. 701,399
In Great Britain December 17, 1932
3 Claims. (Cl. 198—33)



1. In an apparatus for arranging flat rectangular articles such as biscuits, the combination of a single conveyor for presenting the articles indiscriminately arranged in a flat position and delivering the articles in definite arrangement, means intermediate the ends of said conveyor for turning the indiscriminately arranged articles from a flat position to a position on edge, the major and minor axes remaining indiscriminately arranged, means for holding said articles on said conveyor in their position on edge, means for selectively changing the positions of the articles on said conveyor so that all the articles are caused to have their major axes lying in the direction of movement, and means for again causing the articles to assume a flat position on said conveyor while maintaining their major axes in the direction of movement.

2,005,630
MACHINE FOR REMOVING FLOOR COVERINGS
Walter E. Overell, Flintridge, Calif.
Application February 28, 1935, Serial No. 8,782
14 Claims. (Cl. 164—83)



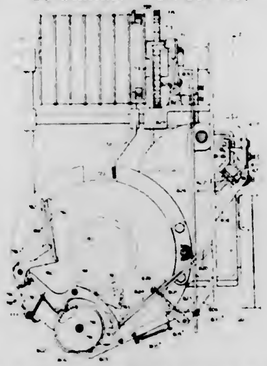
1. A machine for removing coverings cemented to floors, comprising a supporting base, a cutter head carried thereby, vertical cutters mounted on said head for severing the covering into strips, and a cutting blade mounted on said head and extending between said vertical cutters for severing the cement bond between the floor and the covering.

2,005,631
PIPE COUPLING
Jefferson D. Pace, Alexandria, La., assignor of one-half to O. O. Latimer, Alexandria, La.
Application September 5, 1934, Serial No. 742,812
1 Claim. (Cl. 285—146)



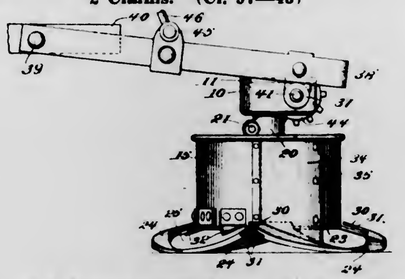
A string of drill pipe for oil wells comprising a plurality of detachably connected sections of uniform bore, each section being upset at its extremities to enlarge it only externally thereat throughout its circumference, the enlarged portion at one end of each section being internally threaded and at the other end externally threaded, so that the sections may be coupled in end to end relation, the threaded zones defining conical frustums of which the smaller bases are of greater diameter than the bores of the sections, whereby the coupled sections provide a continuous run of drill pipe having a bore of uniform diameter throughout its length.

2,005,632
KNITTING MACHINE
Frank R. Page, Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application August 2, 1933, Serial No. 683,378
10 Claims. (Cl. 66—50)



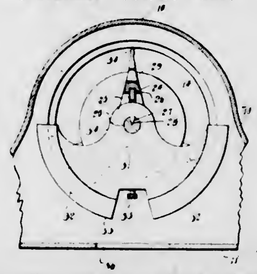
1. In a knitting machine having a plurality of yarn guides and pattern jacks cooperating with the knitting instrumentalities, a pattern drum controlling the operation of said yarn guides, means for operating said drum, an auxiliary pattern drum controlling the operation of said pattern jacks, and means controlled by said auxiliary pattern drum controlling the operation of said pattern drum operating means.

2,005,633
FARMING IMPLEMENT
George W. Peck, Muscatine, Iowa
Refiled for abandoned application Serial No. 655,815, February 8, 1933. This application March 25, 1935, Serial No. 13,011
2 Claims. (Cl. 97—43)



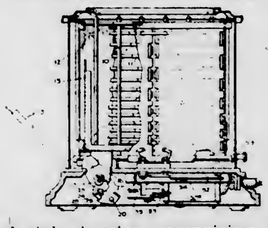
1. In a farming implement of the character described, a stationary head, a rotary cutter movably supported at the lower side of the head and having spaced peripheral sickle-shaped cutters, stationary cutting blades on the head and intersecting the movable cutters, a support for said head, means for imparting rotation to the rotary cutter, and a deflector located on the head and tangentially disposed with respect thereto.

2,005,634
INCLINOMETER
Edward C. Potterf, Noti, Oreg.
Application January 17, 1935, Serial No. 2,288
5 Claims. (Cl. 33—215)



1. In an inclinometer, a casing having a straight edge member, a pointer member mounted for rotation in said casing, dial plates on opposite sides of said casing and having arcuate slots therein, pointer arms mounted on said pointer member and having their extremities extended through said slots, weighted arms on said pointer member, a counterweight mounted for rotation with said pointer member, and means to adjust said counterweight relatively to the pointer member to correct the positions of said pointer arms relatively to the dials.

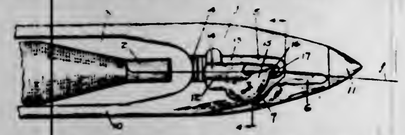
2,005,635
ELECTRIC TOASTER
Charles P. Randolph, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Chicago, Ill., a corporation of New York
Application August 17, 1931, Serial No. 557,509
15 Claims. (Cl. 219—19)



1. An electric toaster comprising stationary heating elements spaced apart one from the other, a slice holder, means mounting said holder for movement to and from a toasting position between said elements, timing mechanism operating to control said heating elements to reduce their rate of heat generation after a predetermined period, an operating handle, a driving connection between said handle and said slice holder for operating said slice holder to and from a toasting position between said elements upon movement of said handle between predetermined limits, said driving connection providing for continued movement of said handle beyond one of said limits independently of said slice holder, a driving connection between said handle and said timing mechanism effective to initiate operation of said timing mechanism upon movement

of said handle independently of said slice holder, and means dependent upon the operation of said timing mechanism for preventing a subsequent movement of said handle beyond said one of said limits until after the expiration of said predetermined period but permitting the movement of said slice holder from said toasting position by said operating handle.

2,005,636
AUTOMATICALLY THREADING SHUTTLE
Isaac Snow, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 30, 1934, Serial No. 737,553
4 Claims. (Cl. 139—223)



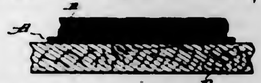
1. An automatically threading loom shuttle comprised of a shuttle body, a threading block in said shuttle body having a longitudinally extending thread passage, said threading block being provided with a horn which extends rearwardly over said thread passage, a thread guard comprised of a member curving downwardly, outwardly and forwardly from the rearward free end of said horn, said member extending into a groove provided therefor in said shuttle body, and a thread supporting bridge adjacent to but outwardly of said horn and member, said bridge extending transversely of said groove above the bottom thereof and lower than the under surface of said horn to provide a support for the partially threaded filling which prevents the latter from unthreading about said member.

2,005,637
IMPREGNATION OF TEXTILE MATERIALS
Philip Schidrowitz, London, England, assignor, by mesne assignments, to Filastic Holding S. A., Binningen, near Basel, Switzerland, a Swiss company
No Drawing. Application May 22, 1933, Serial No. 672,357. In Great Britain April 5, 1933
1 Claim. (Cl. 91—68)

A process for the manufacture of textile materials impregnated with rubber which comprises subjecting a textile material in the form of a yarn easily permeable to liquid first to treatment with a wetting agent, then to vacuum, then to immersion in a bath of vulcanized rubber latex at ordinary atmospheric temperature and under a fluid pressure of the order of 100 pounds per square inch and subsequently maintaining the impregnated yarn in a humid atmosphere containing ammonia gas, the impregnated yarn being moved in the said atmosphere so as to prevent drainage therefrom of excess of the rubber dispersion.

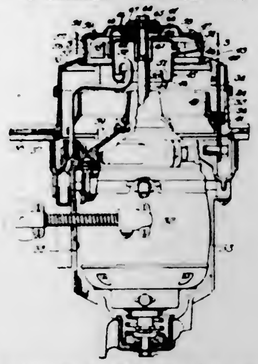
2,005,638
RUG HOLDER
Elmer Clarence Schacht, Troy, N. Y., assignor to Beha-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application December 21, 1932. Serial No. 648,251
39 Claims. (Cl. 154—49)

33. An article of manufacture for preventing the slippage of rugs, floor coverings or similar materials, on polished floors or other surfaces, which consists of a separate layer adapted to be placed between the rug and the floor and com-



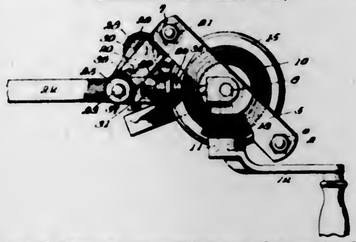
prising a base of sheet material coated with a binder containing resin and comminuted cork particles forming a frictional contact surface.

2,005,639
OIL COMBUSTION APPARATUS
Oscar C. Schroeder and Stanley Perry, Chicago, Ill.; said Perry assignor to Automatic Burner Corporation, Chicago, Ill., a corporation of Illinois
Original application January 30, 1933, Serial No. 654,356. Divided and this application July 12, 1933, Serial No. 680,144
9 Claims. (Cl. 158—77)



1. In oil-burner apparatus, the combination of a rotatable vertical shaft, oil-distributing means rotatable with said shaft, air-delivering means adjacent the discharge from said oil-distributing means and having openings in the plane of said discharge and through which the air discharges, and shutter means for said openings, for the purpose set forth.

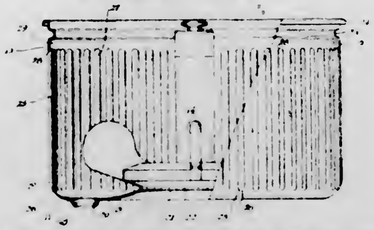
2,005,640
HAND SEAMER FOR CANS
Matthew M. Sedwick, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 26, 1933. Serial No. 691,054
1 Claim. (Cl. 113—23)



A hand seamer comprising a frame including spaced standards, a cross bar connecting said standards at the top, a chuck journaled on said cross bar for rotation, a can support carried by the frame and cooperating with the chuck, an

arm carried by said frame and extending substantially at right angles thereto, a bracket attached to the outer end of said arm, a rod attached to the cross bar at the axis of rotation of the chuck, means for adjustably connecting the rod to the bracket whereby the arm may be set at different angular positions relative to the cross bar, a hand-operated lever pivotally mounted for oscillation on the outer end of said arm, seaming rolls carried by said lever and disposed so that by the swinging of the lever said seaming rolls may be brought into operation, a stop member for limiting the swinging movement of the lever, said seaming rolls when operating upon the container being movable across the line passing through the pivotal point of the lever and the axis of the chuck.

2,005,641
SHEET METAL RECEPTACLE
Jacques Stanitz and George D. Boyer, Warren, Ohio, assignors to The Youngstown Pressed Steel Company, Warren, Ohio, a corporation of Ohio
Application July 24, 1933, Serial No. 681,832
10 Claims. (Cl. 220—72)



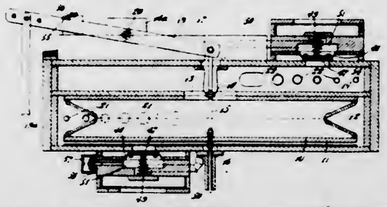
1. In a sheet metal receptacle having integral bottom and side walls with a curved corner wall therebetween, a series of spaced continuous grooves in said side walls forming continuous ribs therein, said grooves beginning at and extending upwards in said side walls from an intermediate portion of said curved corner wall, and the upper ends of said grooves merging into said side walls at points spaced below the top of said side walls.

2,005,642
COMBINED CLOSING AND OUTLET CAP FOR COLLAPSIBLE TUBES
Harry A. Thornton, Elkhart, Ind.
Application June 4, 1934, Serial No. 728,983
19 Claims. (Cl. 221—60)



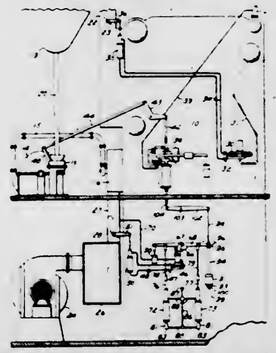
1. A combined closing and outlet cap for collapsible tubes of that type including a neck having a discharge slot for the contents of the tube, a hollow resilient body open at its inner end and having its outer end in the form of a thin disc provided with a diametrically disposed normally closed slot automatically opening on the application of pressure against the inner face of the disc to provide an outlet for the contents of the tube, and automatically closing on the relieving of pressure on the inner face of the disc, said body including a part for encompassing and permanent connection to the neck to the tube and a part extended outwardly from the said other part and merging into the disc, said parts providing the walls of the cap, the said outer part in connection with the disc providing a chamber for the reception of material expelled from the tube on the collapsing of the latter, that part of said body connected with the neck having means to provide for the automatic closing of said outlet on the relieving of pressure against the inner face of said disc.

2,005,643
SWELL LOUVER ACTION FOR ORGANS
Henry Willis and Aubrey Thompson-Allen, London, England
Application February 2, 1934, Serial No. 709,527
In Great Britain September 8, 1933
17 Claims. (Cl. 84—347)



1. An action for effecting movement of swell louvers in organs, comprising a wind chest, a wind motor, a series of ducts admitting wind from the wind chest to the wind motor, valves respectively controlling the passage of wind through each duct, and individually controlled means for opening and closing the said valves in a successive order.

2,005,644
FUEL BURNING APPARATUS
Albert G. Blodgett, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application August 29, 1934, Serial No. 741,969
17 Claims. (Cl. 236—26)

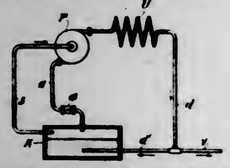


1. Fuel burning apparatus comprising a furnace, a pulverizer to deliver pulverized fuel thereto, a feeding device to supply coarse fuel to the pulverizer, means to control the feeding device in accordance with the demand for heat, a regulatable device to control the flow of air to the furnace, and a regulator to control the regulatable device, the regulator being arranged to respond rapidly to changes in air supply and slowly to changes in the demand for heat.

2,005,645
PROCESS OF OXIDIZING ALIPHATIC ALCOHOLS TO ALDEHYDES
Harlan A. Bond, Metuchen, and Lee B. Smith, Woodbridge, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application April 15, 1930, Serial No. 444,602
11 Claims. (Cl. 260—138)

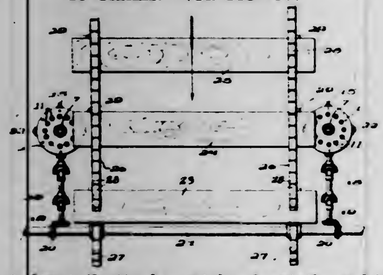
1. A process for producing an aliphatic aldehyde comprising reacting a mixture of a lower aliphatic alcohol and a molecular oxygen containing gas in the presence of porous, compacted, reduced silver as a catalyst produced by forming a compact body of silver oxide without an inert diluent or carrier and reducing the mass to metallic silver.

2,005,646
BOILER PLANT
Norbert Brunsel, Vitkovice-Zelezarny, Czechoslovakia
Application September 17, 1932, Serial No. 633,661
In Germany September 18, 1931
4 Claims. (Cl. 122—488)



1. The process of removing water and impurities from steam in a boiler plant including a boiler and superheater in series and connections for returning steam from the superheater to the boiler, comprising raising the pressure of the steam by a centrifugal action prior to its passage into the superheater, and utilizing said centrifugal action for separating water and impurities from said steam.

2,005,647
DOVETAIL ATTACHMENT FOR DOVETAIL MACHINES
Richard H. Creech, Pulaski, Va.
Application June 17, 1933, Serial No. 676,376
15 Claims. (Cl. 144—87)



1. A dovetail attachment for dovetail machines including material feeding means, cutter-heads carrying a plurality of cutters adapted to form both male and female sections of a dovetail joint, means mounting the cutter-heads for adjustment of the cutters to different positions relative to the feeding means for cutting male and female sections.

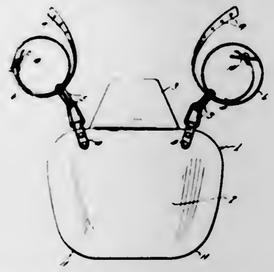
15. A dovetail attachment for a dovetail machine having material feeding means, cutter-heads carrying a plurality of cutters arranged for cutting either male or female sections of a dovetail joint, and means mounting the cutterheads for bodily swinging adjustment thereof relative to the feeding means between an approximately vertical position, where the female sections are cut, and an approximately horizontal position, where the male sections are cut.

2,005,648
PROCESS OF AND APPARATUS FOR THE HEAT TREATMENT OF SUBSTANCES IN ROTARY-TUBE FURNACES
Carl Paul Debuch and Ernst Markworth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application March 9, 1934, Serial No. 714,875
In Germany March 27, 1933
16 Claims. (Cl. 263—33)



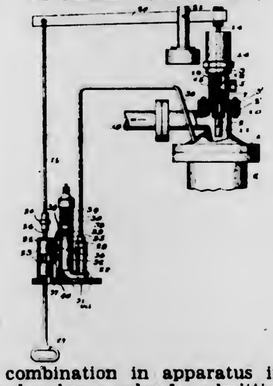
1. A rotary furnace having a heat exchange device located in the gas chamber thereof, an inlet pipe communicating with one end of the heat exchange device and an outlet pipe communicating with the other end, the inlet pipe and the outlet pipe extending through the furnace casing, and means for conducting a fluid heat carried through the inlet pipe, the heat exchange device and the outlet pipe.

2,005,649
BUCK MASK
Thomas Jefferson Dragoo, Jr., Spofford, Tex.
Application April 26, 1933, Serial No. 667,969
1 Claim. (Cl. 119—104)



In a device of the class described for the forehead of a horned animal, a transversely curved and forwardly tapered head plate of a width less than the distance between the outer sides of the horns at the bases thereof for disposition with its concave surface contacting the forehead, the side margins of the plate extending down toward the eyes and the frontal margin extending somewhat below and forwardly of the eyes when the device is installed, a stop flap extending from the rear of the plate narrower than the distance between the horns at their bases and disposable between the horns to prevent the device tilting over backward, and flexible connections disposed on opposite sides of said flap extending rearwardly from said plate for attachment to the horns.

2,005,650
APPARATUS FOR AUTOMATICALLY CONTROLLING DISCHARGE OF FLUIDS UNDER PRESSURE INTO A PRESSURE CHAMBER
Ernest Du Bois, Itterbeek, Chateau De Pierrefonds, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa., a corporation of Delaware
Application September 14, 1931, Serial No. 562,811
In Belgium April 27, 1931
24 Claims. (Cl. 62—121)



1. In combination in apparatus including a pressure chamber, a valve for admitting fluid under pressure into said chamber, a spring normally forcing said valve to closed position; mechanism for maintaining said valve in open position against the force of said spring, and means solely controlled by fluid pressure in the pressure chamber for actuating said mechanism to release the valve for closing at a predetermined pressure in said chamber.

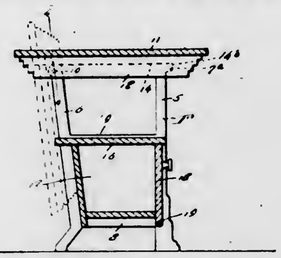
2,005,651
METHOD OF MAKING LOCK NUTS
I. C. Emery, Baltimore, Md., assignor to The Lock Nut Corporation of America, Chicago, Ill., a corporation of Delaware
Application November 21, 1932, Serial No. 643,759
17 Claims. (Cl. 10—96)



1. In the process of making metal lock nuts of the type having superposed wings joined by a neck, the steps of forming two holes in a flat blank, one in the center of each of the subsequently formed wings, forming a transverse groove in one face of the blank between said holes, heating the metal at the bottom of the groove, bending the two wings away from the groove and toward each other into spaced relation, squaring up the bent blank and flattening the metal on the outside of the neck thus formed, and cooling the heated part of the metal, thereby hardening the same.

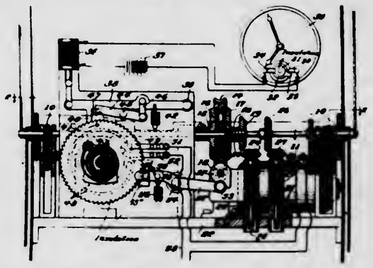
2,005,652
TABLE SEAT
Eugene Fischoff, South Bend, Ind.
Application June 22, 1934, Serial No. 731,956
1 Claim. (Cl. 155—43)

A table chair of the class described comprising a pair of side frames having upper rails, a panel, cleats on the panel having grooves to receive the rails so that the cleats may slide thereon, and pins extending through the rails and into grooves formed in the side walls of the first men-



tioned grooves of the cleats, said cleats having sockets therein at one end of the first mentioned grooves, and lugs on one end of the rails to engage in the sockets as and for the purpose specified.

2,005,653
TIME CONTROLLED MECHANISM
John L. Franklin, Atlanta, Ga.
Application May 9, 1933, Serial No. 670,200
7 Claims. (Cl. 58—26)

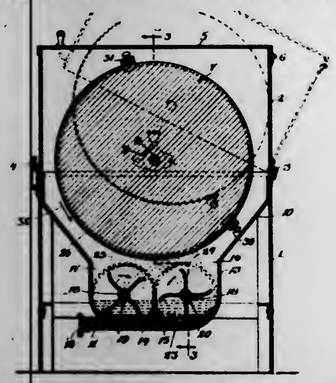


5. Mechanism for the purpose indicated comprising a large clock movement embodying minute and hour hands and operative connections between the two to effect relative angular or turning movement in definite relation to each other, a shaft operatively connected with said movement, a driving motor operatively connected with said shaft, a ratchet wheel embodying a circuit closer controlling the circuit of said motor, means for effecting angular or turning movement of the ratchet wheel in one direction, clock controlled means releasing said wheel in a step by step movement to effect circuit closing position, and motor actuated means for effecting movement of the ratchet wheel in the opposite direction to effect circuit opening position of its circuit closer.

2,005,654
LITHOGRAPHIC PLATE GRAINING DEVICE
Rudolf Fritsche, New York, N. Y.
Application January 9, 1934, Serial No. 705,945
2 Claims. (Cl. 51—9)

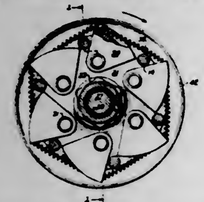
2. In a graining machine for graining lithographic plates, a drum against which a plate is adapted to be fitted flatwise, a ring secured to said drum at each end, said rings projecting beyond the drum so as to present end flanges, a clamping bar extending longitudinally across the drum, said bar at the ends having hooks adapted

to be hooked over said flanges, means for clamping said hooks against said flanges, and a plu-



rality of plate clamping means carried by said bar.

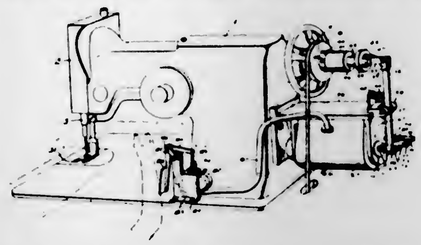
2,005,655
DRIVING MECHANISM
Clinton H. Havill, South Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 25, 1933, Serial No. 658,618
9 Claims. (Cl. 64—96)



1. In a device of the class described, a rotatable part to be driven, a driving member, an oscillatory part drivably connecting said driving member and part to be driven, and supplementary connecting means deflectable by said oscillatory part into a position of greater length wherein it becomes more effective to supplement said oscillatory part as a driving connection between said driving member and part to be driven, and means for mounting said oscillatory part, said mounting means comprising a pin having an axis at a fixed radial distance from the axis of the driving member.

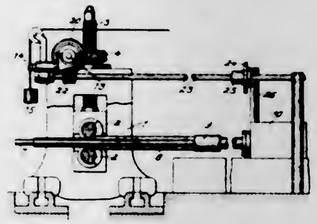
2,005,656
FEED REVERSING MECHANISM FOR SEWING MACHINES
Stephen Lasztocay, Bergenfield, N. J., assignor to Freydberg Brothers, Inc., New York, N. Y., a corporation of New York
Application December 19, 1931, Serial No. 582,147
10 Claims. (Cl. 112—210)

1. Apparatus for instantly reversing the feed mechanism of sewing machines while the machines are operating comprising a member operatively associated with said mechanism, a lever to move said member, means normally urging said lever in one direction of movement and adapted to hold said lever and member in a predetermined position establishing operation of said feed mechanism in a predetermined direction, electrically controlled means for moving said lever and member to establish operation of said mechanism in a



reverse direction, and a manually operated switch for operating said electrically controlled means.

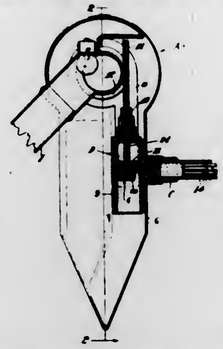
2,005,657
PILGER ROLLING MILL
Richard Ludwig, Dusseldorf-Unterrath, Germany
Application January 25, 1930, Serial No. 423,449
In Germany February 7, 1929
20 Claims. (Cl. 80—14)



3. A Pilger rolling mill which comprises in combination a tapered mandrel arranged to support a tubular bloom co-axially thereon, rolls carried by the mill, means for feeding said mandrel and bloom between at least one pair of said rolls, a rotatable screw threaded spindle having a thread of relatively large pitch, a nut arranged in engagement therewith and adapted to be moved by the feeding means so as to rotate the said spindle, and means operated by said spindle to move the rolls relatively to one another during the rolling operation.

2,005,658
STOP AND TURN SIGNAL
Fusajiro Mamiya, Los Angeles, Calif.
Application July 5, 1933, Serial No. 679,058
4 Claims. (Cl. 116—39)

1. In a traffic signal, a movable signal member, a cylinder having ports therein, a piston in said cylinder arranged to cover and uncover certain of said ports, means of operative connection between said piston and said signal member including a piston rod having an atmospheric air intake passage, said piston having a passage therein communicating with said intake passage and opening on the upper and lower sides of the piston, said piston passage having a portion thereof horizontally disposed and provided with opposed valve seats, valve means in said piston passage controlling the entrance of atmospheric air into the cylinder, and means operative through said ports for creating a differential in fluid pressures in said cylinder, said valve means comprising two ball valves located in said horizontal portion of said passage and cooperating with said seats, which latter are on opposite sides



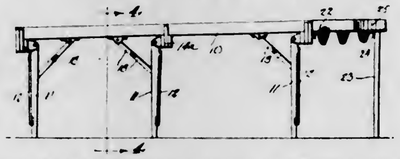
of the point of communication of the piston passage with the rod passage.

2,005,659
FLOOR MAT
Edward C. Matteson, Miami, Fla., assignor of one-fourth to Wm. F. A. Buehner and one-fourth to A. M. Woore, both of Miami, Fla.
Application July 26, 1932, Serial No. 624,858
6 Claims. (Cl. 40—140)



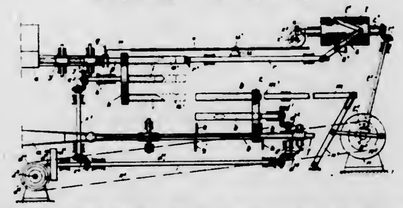
1. A floor mat comprising, a body portion having openings therethrough, and blocks fitted interchangeably in the openings to have a portion exposed as a part of the surface of the body portion, said mat being made of resilient material and said blocks and the body portion within said openings having interfitting rib and groove formations to hold the blocks against casual displacement in either direction.

2,005,660
HAND POOL GAME
John N. Maxwell, Pittsburgh, Pa.
Application September 22, 1932, Serial No. 634,429
1 Claim. (Cl. 273—123)



In a hand pool game device, an inclined game board having a runway at each longitudinal side and a cross groove at its lower end, a series of supporting legs for the board hinged thereto with pairs of legs at each end of the board, the higher end of the game board being rabbeted transversely, a horizontally disposed ball receiving pocket section having a straight edge seated in the board rabbet with the upper surface of the board and rabbet sections lying in the same plane, means for detachably connecting the board and pocket section and a floor engaging leg carried by the outer end of the pocket section and bodily movable therewith.

2,005,661
PROCESS AND APPARATUS FOR THE MANUFACTURE OF CIGARETTES WITH A SHORT MOUTHPIECE OF WADDING, CREPE PAPER OR THE LIKE
Carl Wilhelm Müller, Dresden-Weisser Hirsch, Germany
Application February 16, 1933, Serial No. 657,140
In Germany March 8, 1932
12 Claims. (Cl. 131—5)



1. An apparatus for the manufacture of cigarettes with short mouthpieces of wadding, crepe paper or the like, comprising means for feeding a continuous length of shell, a shell spoon for receiving a shell, a filling spoon for receiving a tobacco charge, and means for executing feed movements for the spoons in opposite directions so that in one position the spoons are situated opposite the shell and the tobacco charge respectively and in another position the spoons are situated opposite each other in axial alignment.

2,005,662
HAIR CURLER
René Mussy, Hempstead, N. Y.
Application November 28, 1934, Serial No. 755,194
8 Claims. (Cl. 132—41)

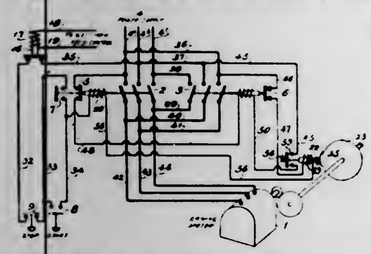


1. A hair curling device comprising a tube, a pivoted retaining clip carried by the tube, a wire bail adapted to swing over the convolutions of the completely wound hair, an axle pivotally connected with one end of the tube, resilient retaining means for holding the axle in adjusted position, the free ends of the arms of said bail being pivotally connected with said axle.

2,005,663
ELECTRIC DRIVE FOR LOOMS, WEAVING MACHINES, AND THE LIKE
Fernand Phily, Lyon, France
Application July 13, 1933, Serial No. 680,321
In Germany July 18, 1932
6 Claims. (Cl. 172—239)

1. In an electric rotary drive system, a source of electric power, a reversible electric motor, an electrically actuatable main line switch connect-

ed for connecting said source to said motor in such manner as to cause forward rotation of said motor, an electrically actuatable reversing switch connected for connecting said source to said motor in such manner as to cause reverse rotation of said motor, interlocking means respectively actuatable by the closing of said main switch and said reversing switch and connected respectively to the actuating circuits of said main switch and



said reversing switch in such manner that only one of said switches can close at one time, and shaft-operated electric switch means connected in the actuating circuit of said reversing switch and actuatable by rotation of the shaft of said motor in such manner that the actuating circuit of said reversing switch is open only when said shaft occupies a particular determined angular position and is closed in all other positions of said shaft.

2,005,664

MANUFACTURE OF VISCOSE ARTIFICIAL SILK

Harold Sagar, Whitworth, Emile Van Weyenbergh, Rochdale, and Richard Owen Jones, Manchester, England, assignors to Breda-Visada Limited, Littleborough, England, a British company

No Drawing. Application April 6, 1931, Serial No. 528,238. In Great Britain May 9, 1930
8 Claims. (Cl. 106—40)

1. Unripened viscose having emulsified therein a small proportion of a difficultly hydrolyzable ester of a hydrogenated phenol and a carboxylic acid.

2,005,665

MEANS FOR OPENING CONTAINERS OF ALL KINDS

Etienne Saignier, Paris, France

Application May 9, 1934, Serial No. 724,790
In France March 1, 1934
1 Claim. (Cl. 229—51)

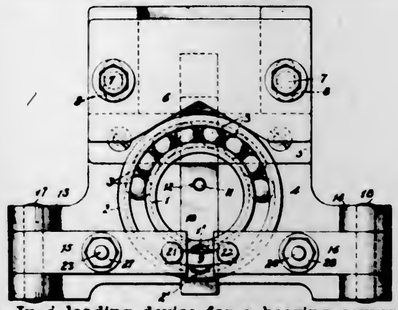
An opening device for paper closures of containers comprising a rectangular strip of paper, an adhesive applied to and covering one face of said strip, a tearing thread placed longitudinally across the adhesive covered face of said strip, one edge of said strip being folded over said thread and attached to a portion of the adhesive face thereof for forming a sheath for the thread and the remaining portion of the adhesive face of said strip being exposed whereby it may be applied to the container or the closure therefor.

2,005,666

LOADING DEVICE

John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application June 5, 1933, Serial No. 674,381
18 Claims. (Cl. 29—84)



1. In a loading device for a bearing comprising a pair of hardened bearing rings each having a grooved raceway at least one of which is provided with a filler groove, means to hold said rings in spaced relation, a spreader ball to engage directly and simultaneously each of said rings at a point at one side of and adjacent to said filler groove for temporarily spreading the rings in the location of said filler groove to permit a bearing ball to be passed through said filler groove and into the raceways of said rings, and means to apply force in a direction to cause the spreader ball to enter partially between said rings to spread them for the purpose described.

2,005,667

STABLE SOLUTION OF MORPHINE

Adolf Steinbrenck, Frankfort-on-the-Main, Germany, assignor to Merz & Co., Frankfort-on-the-Main, Germany

No Drawing. Application March 7, 1932, Serial No. 597,411. In Germany March 28, 1931
2 Claims. (Cl. 167—67)

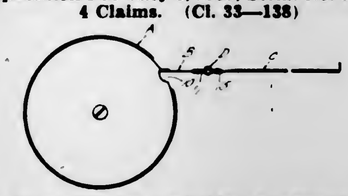
1. A stable solution of morphine hydrochloride for injection purposes, comprising an aqueous solution of about 5 grams of sodium sulphite in which 1 gram morphine hydrochloride is dissolved together with about 72 cu. cms. N/10 hydrochloric acid and phenyl-dimethyl pyrazolone giving the composition a pH value of about 7.

2,005,668

COILABLE MEASURING RULE

Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application February 8, 1933, Serial No. 655,685
4 Claims. (Cl. 33—138)



1. In combination, a holder, a measuring tape adapted to be coiled therein and having a knuckle on one end thereof, a resilient strip within said holder for coiling said tape and having a pair of spaced apart knuckles on its free end, the knuckle on said tape being adapted to be received by the space between said knuckles on said strip, a pin passing through said knuckles, and resilient means for maintaining said pin within said knuckles.

2,005,669

METHOD OF MAKING UPHOLSTERY PANELS AND APPLYING FASTENERS THERETO

Rollo F. Walters, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application November 6, 1930, Serial No. 493,810
4 Claims. (Cl. 45—138)



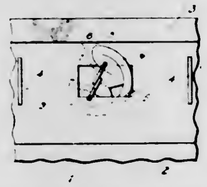
1. The method of making a trim panel and applying thereto a fastener having a U-shaped base provided with a cutting edge, a piercing end on said base adjacent to the cutting edge and a shank extending from said base which comprises pressing the piercing end into the panel structure and rotating the fastener so that the cutting edge forms a slit in the panel to permit entrance of the base into the panel structure, said cutting edge, upon completion of rotation of the fastener, forming a slit in the panel structure which is large enough with relation to the shank of the fastener that the fastener may shift longitudinally relative to the panel structure.

2,005,670

UPHOLSTERY COVERING STRUCTURE

Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 9, 1933, Serial No. 670,136
3 Claims. (Cl. 45—138)



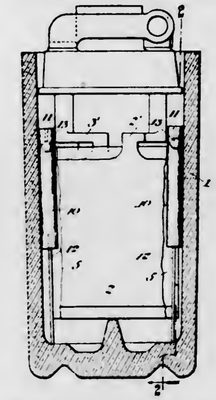
1. An upholstery and like covering structure including a cardboard and like backing, a relatively rigid fastener-holding means presented at one face of the backing and having a portion with a hole therethrough spaced from said backing, said backing being imperforate beneath the hole through the fastener-holding means, a snap fastener member having a base of larger area than the aperture in said fastener-holding means and bearing at one side against the backing and at the other side against the apertured portion of the fastener-holding means and said base having means constructed and arranged to permit passage of said base through said aperture only by rotary movement of said fastener.

2,005,671

SPECIFIC GRAVITY INDICATOR

Frederick E. E. Booss, Lancaster, N. Y., assignor to Gould Storage Battery Corporation, Depew, N. Y., a corporation of Delaware

Application June 11, 1931, Serial No. 543,723
3 Claims. (Cl. 265—45)



1. A specific gravity indicator for storage batteries, comprising a transparent tube adapted to be immersed in the battery electrolyte in permanent position and extending vertically between the plates and jar of the battery, said tube being open at its top and bottom for permitting circulation of the electrolyte, a cross bar spanning the open top of the tube, and an elongated strip extending into the lower end of the tube and designed to support the tube upon the bottom of the battery, and a ball of predetermined density freely movable within the tube and having its movement limited by said cross bar and strip.

2,005,672

SELF-TAPPING SCREW

Raymond O. Chaffee, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

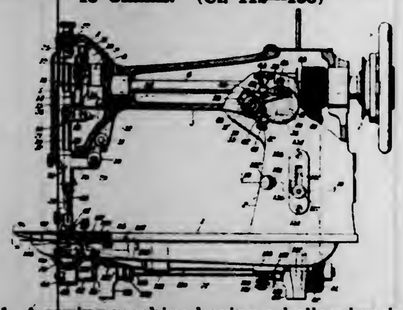
Application July 8, 1933, Serial No. 679,544
1 Claim. (Cl. 85—46)



A self-tapping screw for securing a plurality of sheet metal members together, said screw having an enlarged head, a threaded shank portion and an unthreaded pilot end, the shank being formed with double ratchet type threads extending from the head to the pilot end, the leading face of each thread being substantially at a forty-five degree angle to the shank throughout its length and the rear face thereof being substantially perpendicular to the axis of the shank, the root diameter of the thread being substantially equal to the diameter of the shank and the threads being hardened and full formed and of tapering depth diminishing in depth toward and merging with the pilot end, the double threads of the shank portion providing opposed cutting edges to facilitate balanced entering in an aperture and progressive and concentric tapping into

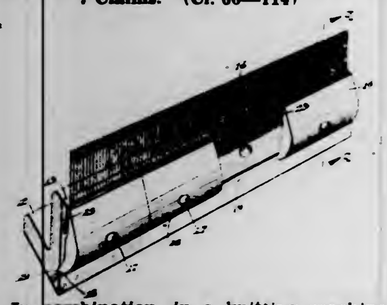
the sheet metal members, the perpendicular faces of the thread acting to hold the metal members securely against the head of the screw.

2,005,673
SEWING MACHINE
George M. Eames, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 3, 1933, Serial No. 691,938
18 Claims. (Cl. 112—158)



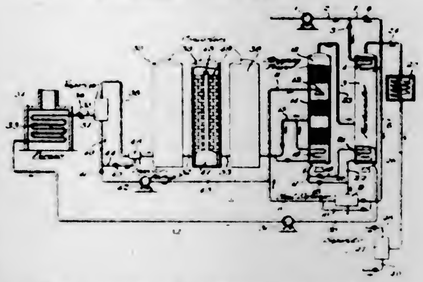
1. A sewing machine having a hollow bracket-arm terminating at its free end in a head, a vibratory needle-bar gate mounted in said bracket-arm head, a yoked pitman disposed externally at the rear side of said bracket-arm and extending toward said head, operative connections between said pitman and needlebar gate including a pivotal support for the end of the pitman adjacent to said head, a cam disposed externally of the rear wall of said bracket-arm in operative engagement with a yoke at the other end of said pitman to impart lateral vibratory movements thereto about said pivotal support, a rotary shaft disposed crosswise of said bracket-arm and carrying said cam, means for rotating said shaft, and means for translating the lateral vibratory movements of the pitman into endwise needle-bar vibrating movements including, a pitman-guide disposed externally of the rear wall of the bracket-arm, and a manually operable adjusting member at the front side of said bracket-arm operatively connected to said pitman guide.

2,005,674
MOUNTING MEANS FOR NEEDLES AND THE LIKE
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application July 31, 1934, Serial No. 737,741
7 Claims. (Cl. 66—114)



3. In combination, in a knitting machine, a bank of needle-like elements, means for supporting the same including a backing portion extending over lengths of the stems thereof, and means including a yieldable pad providing a cushion for the needle-like elements and containing a substance protecting said elements against moisture between said backing portion and said stem lengths from which working portions of the elements project.

2,005,675
PROCESS FOR CRACKING HYDROCARBON OILS
Frank W. Hall and Harris A. Smith, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 27, 1931, Serial No. 533,042
3 Claims. (Cl. 196—61)



1. The process of treating hydrocarbon oil which comprises passing a clean relatively heavy oil through a heating zone wherein it is raised to a vaporizing temperature, separating the resulting heated oil into vapors and a liquid residue, passing said vapors through a converter zone in contact with highly preheated solid refractory material wherein said vapors are raised to a cracking temperature controlled independently of said vaporizing temperature and are subjected to conversion by the contained heat of said preheated refractory material, removing resulting cracked products and introducing them into a separating zone wherein vapors separate from liquid residue, removing vapors from the separating zone and passing them directly into a fractionating zone independent of said heating zone, wherein desired constituents separate as vapors from undesirable heavy products as reflux condensate, removing the fractionated vapors and condensing them to form a desired product, removing reflux condensate so formed and passing it through said heating zone as said clean oil first mentioned and introducing fresh relatively heavy charging stock into said separating zone in contact with the introduced cracked products to cause at least partial vaporization of said charging stock, and removing liquid residue from said separating zone.

2,005,676
ADHESIVE TAPE AND GAUZE DRESSING PACKAGE
Bert H. Hanover, Chicago, Ill., assignor to The Kendall Company, Chicago, Ill., a corporation of Massachusetts
Application October 31, 1933, Serial No. 696,058
6 Claims. (Cl. 206—63.2)

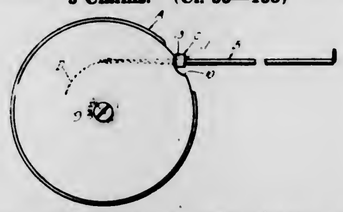
1. A package of adhesive-coated articles comprising a carrier member, said articles being pressed upon said member and removably adhering thereto, each said article having a removable protective coating over an unattached

portion thereof, whereby the same may be grasped and the article pulled off of said carrier member,



and means for enclosing said carrier member and the articles mounted thereon.

2,005,677
COILABLE MEASURING RULE
Earl V. Higbee, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application February 8, 1933, Serial No. 655,695
3 Claims. (Cl. 33—138)



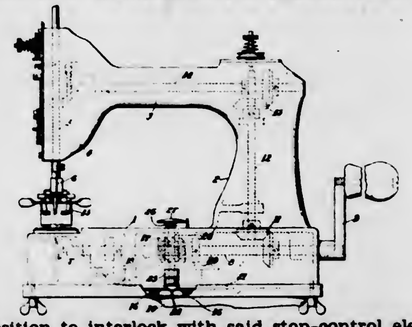
1. In combination, a casing having an entrance slot and a tongue adjacent said slot, a measuring tape adapted to be coiled within said casing and to pass through said slot, said tape being so formed as to normally spring outwardly toward said tongue, winding means within the casing for coiling said tape, and an element secured to said tape and having a portion spaced from said tape, whereby a socket is provided which is adapted to be automatically moved by said tape to a position in which it receives said tongue to prevent movement of the tape into the casing.

2,005,678
ESTERIFICATION OF CELLULOSE
Georg Jayme, Hawkesbury, Ontario, Canada, assignor to Canadian International Paper Company, Hawkesbury, Ontario, Canada
No Drawing. Application September 4, 1931, Serial No. 561,307. In Canada June 30, 1931
2 Claims. (Cl. 260—101)

1. A process of acetylating wood pulp, which comprises subjecting 100 parts of the pulp to treatment with 250 to 500 parts by weight of acetic acid containing 5 to 20 parts by weight of sulphuric acid for a period of 1 to 20 days at a temperature up to 60° C., washing the pulp with acetic acid to free the fibres from dissolved impurities and treating the pulp with acetylating reagents to form substantially pure cellulose acetate.

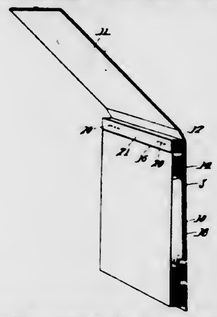
2,005,679
STOP-MOTION DEVICE FOR SEWING MACHINES
Michael McCann, Ozone Park, Long Island, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 18, 1934, Serial No. 748,920
4 Claims. (Cl. 112—219)

1. In a sewing machine, a frame, stitch-forming mechanism including a reciprocatory needle, a work-clamp, a main-shaft connected to drive the stitch-forming mechanism, a feed-cam connected at all times to be driven by said main-shaft and making one revolution for a plurality of stitch-forming cycles, said feed-cam having a stop-control element, a cooperating element mounted on the machine frame and movable to a



position to interlock with said stop-control element, manually operated means for disengaging said elements to unlock the machine, and automatic means for relatively moving said elements out of register immediately upon their manual disengagement and while said feed-cam remains stationary.

2,005,680
RENEWABLE PAD AND SUPPORT THEREFOR
Ephraim Edgar Miles, South Lancaster, Mass.; Walter Emery Miles and Martha V. Miles executors of said Miles, deceased
Application February 27, 1933, Serial No. 658,797
2 Claims. (Cl. 281—19)

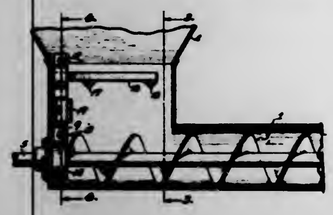


1. A refillable notebook comprising a permanent cover and a renewable filler pad, said pad having a relatively firm back to which the leaves of the pad are secured, and said back having a portion of sheet material secured to the rear face thereof and initially provided with a gummed outer surface by which said pad is attachable to an inside surface of said cover.

2,005,681
COAL STOKER AGITATOR
Victor C. Norquist, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application January 19, 1934, Serial No. 707,270
1 Claim. (Cl. 259—39)

In a coal stoker, a coal duct having a hopper thereabove, a feed screw in the duct, an eccen-

tric on the feed screw, an arm mounted on and extending upwardly from the eccentric, means for supporting an intermediate portion of said



arm against lateral movement, a second arm mounted on said first arm and extending outwardly therefrom, and an arm mounted transversely of and supported by said second arm.

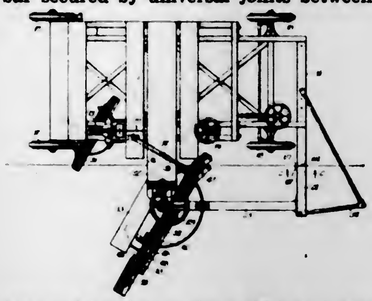
2,005,682
SEPARABLE ELECTRICAL CONTACT DEVICE
Essex J. Pool, Chicago, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 13, 1932, Serial No. 646,991
4 Claims. (Cl. 173—332)



1. In a separable electrical connector, in combination, a part having a plurality of male contact members substantially circularly arranged thereon, said part having a snap fastener member secured thereon within the circle of male contact members; and a second part comprising a pair of insulating discs apertured for passage of said male contact members therethrough, a plurality of female contact members secured between said discs in alignment with said apertures to receive said male contact members, said second part having on its forward side a snap fastener member located to engage said first-named snap fastener member and having on its opposite side a lug member, and having fastening means securing in assembled relation said snap fastener, said insulating plates with the contacts secured therebetween and said lug, said snap fastening means connecting said parts between the points of support of said male contact members and the points of contact of the latter with said female contact members.

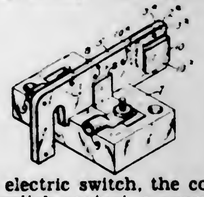
2,005,683
ROAD GRADING MACHINE
Kenneth W. Porter, Effingham, Ill., assignor to Morris-Bennett Corporation, Effingham, Ill., a corporation of Illinois
Application February 23, 1932, Serial No. 594,573
16 Claims. (Cl. 37—155)

1. A grader having a carriage adapted to travel on a hard road surface, a side projection therefrom, a mold board adjustably supported on said side projection, and an adjustable couple bar secured by universal joints between the



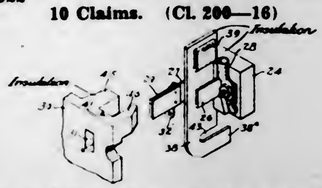
carriage and a point on the mold board near the end thereof closest to the hard road surface.

2,005,684
ELECTRIC SWITCH
Joseph Sachs, West Hartford, Conn.
Application June 10, 1932, Serial No. 616,406
5 Claims. (Cl. 200—144)



1. In an electric switch, the combination of a stationary switch contact, a composite insulating plate movable in a fixed path adjacent the stationary contact, and a movable switch contact carried by the said plate at one side thereof and adapted to cooperate with the stationary contact, the said composite plate comprising a sheet of insulating material resistant to breakage or deformation and a sheet of different insulating material serving as a facing for the first said sheet at the surface thereof adjacent the said contacts and having arc resisting characteristics superior to those of the first said material.

2,005,685
ELECTRIC CIRCUIT CONTROLLING APPLIANCE
Joseph Sachs, West Hartford, Conn.
Original application September 6, 1931, Serial No. 563,149, now Patent No. 1,947,276. Divided and this application March 7, 1933, Serial No. 659,922
10 Claims. (Cl. 200—16)



1. In an appliance of the type disclosed, the combination of a rear insulating supporting means, two stationary opposed switch contacts on the supporting means and perpendicular thereto, a pair of coacting fuse receiving contacts one of which is fixedly mounted on the forward portion of one of the said switch contacts, an insulating retainer at the front of the switch contacts and directly behind the position of a fuse in the said fuse contacts, the said retainer being removable with the last said fuse contact remaining in place, and a switching member rectilinearly movable behind the retainer and between the stationary switch contacts and comprising a movable contact with oppositely disposed faces adapted to engage or disengage the said stationary contacts, the said switching member being normally guided at the front by the retainer and being freely removable from the appliance after removal of the retainer.

2,005,686
ELECTRIC CIRCUIT CONTROLLING APPLIANCE
Joseph Sachs, West Hartford, Conn.
Application July 17, 1934, Serial No. 735,564
10 Claims. (Cl. 200—114)



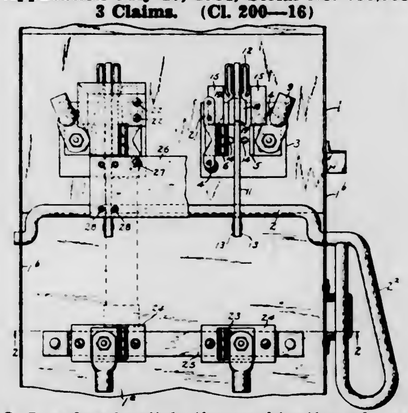
6. In a fused switch, the combination of a rear insulating supporting means, a pair of stationary opposed switch contacts on the supporting means and perpendicular thereto, an element on one switch contact extending transversely toward the other, a switching member rectilinearly movable between the stationary switch contacts and comprising a movable contact with oppositely disposed faces adapted to engage or disengage the said stationary contacts, a pair of coacting fuse receiving contacts one of which is fixedly mounted on the forward portion of one of the said switch contacts, and an insulating retainer located at the front of the switching member and behind the said transversely extending element, the said retainer normally serving as a front guide for the switching member and being removable longitudinally so as to permit removal of the switching member in a forward direction without disturbing the mounting of the said fuse contact on the said switch contact.

2,005,687
CURRENT RESPONSIVE ELEMENT AND METHOD OF MANUFACTURE THEREFOR
Joseph Sachs, West Hartford, Conn.
Application June 20, 1933, Serial No. 676 618
4 Claims. (Cl. 200—113)



3. A method of manufacture for longitudinally slotted unitary current-carrying bi-metallic strips adapted to serve as the current-responsive elements of automatic circuit breakers, which method comprises varying the total lengths of the slots in accordance with the required time lag characteristics while maintaining the external dimension of the strips unchanged.

2,005,688
ELECTRIC CIRCUIT CONTROLLING APPLIANCE
Joseph Sachs, West Hartford, Conn.
Application July 17, 1934, Serial No. 735,565
3 Claims. (Cl. 200—16)

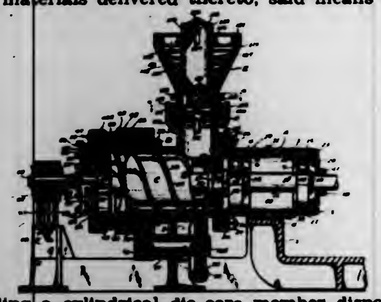


3. In a fused switch, the combination of a rear insulating supporting means, two stationary opposed switch contacts on the supporting means and perpendicular thereto, a switching member rectilinearly movable between the stationary switch contacts and comprising a movable contact with oppositely disposed faces adapted to engage or disengage the said stationary contacts, a pair of coacting fuse receiving contacts one of which is fixedly mounted on the forward portion of one of the said switch contacts, two removable insulating blocks separate from the supporting means and located to provide opposite insulating walls closely adjacent the paths of movement of the faces of the movable contact, and an insulating retainer located at the front of the switching member and at the front of the said insulating blocks and directly behind the axis of a fuse in the said fuse contacts, the said retainer normally serving to hold the said insulating blocks in place and also normally serving as a front guide for the switching member and the said retainer being removable so as to permit removal of the switching member or of the said blocks without disturbing the mounting of the said fuse contact on the said switch contact.

2,005,689
FORMING MACHINE FOR COMPRESSED FEEDS
Claude C. Hall, Portland, Oreg.
Application January 16, 1934, Serial No. 706,818
10 Claims. (Cl. 107—14)

10. In apparatus of the class described, in combination with any machine producing compressed feeds, a volume control and pre-compression mechanism comprising a hopper in communication with and rotatably disposed in cooperative relationship to said machine, means for rotating said hopper, means disposed within said hopper for controlling the rate of flow of materials entering therein said means including a plurality

of screw worms extending inwardly from the inner wall of the hopper to form spiral passageways therein, means positioned with respect to the last mentioned means for pre-compressing the materials delivered thereto, said means in-



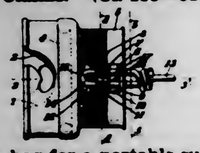
cluding a cylindrical die-core member disposed centrally of the hopper adjacent said screw worms, said die-core member having a series of die slots formed at one end thereof, and means for raising or lowering said die-core member.

2,005,690

DUST BAG SUPPORT FASTENING FOR PORTABLE SUCTION CLEANERS

Hjalmar Hertz, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 30, 1933, Serial No. 704,711
3 Claims. (Cl. 183—51)



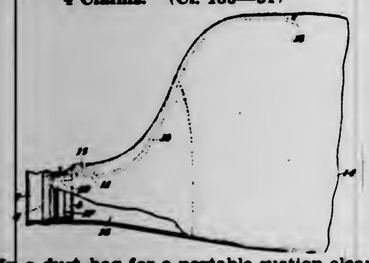
1. In a dust-bag for a portable suction cleaner, a tubular sheet-metal dust-bag connector having a plurality of spaced circumferentially extending slots disposed side-by-side and affording a plurality of bands, one of said slots being curved to provide an intermediate portion which is depressed below the inner cylindrical wall of said connector to form a seat, and a dust-bag supporting rod having an end-portion gripped by said bands and received in said seat.

2,005,691

DUST-BAG SUPPORT FOR PORTABLE SUCTION CLEANERS

Hjalmar Hertz, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 30, 1933, Serial No. 704,712
4 Claims. (Cl. 183—51)



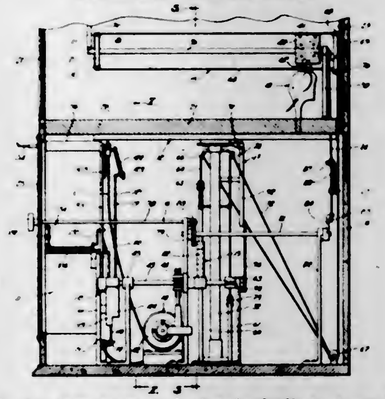
1. In a dust-bag for a portable suction cleaner, a tubular dust-bag connector adapted for attachment to the dust-outlet of the cleaner, a dust-bag attached to said connector, and a one-piece dust-bag-supporting rod attached at one end only to said connector and having a relatively short helical portion adjacent said connector and a relatively long straightaway portion beyond said helical portion.

2,005,692

AMUSEMENT DEVICE

Mordicha Margolith, Hawthorne, Calif., assignor to National Merchandising Company Ltd., Santa Monica, Calif., a corporation

Application August 25, 1933, Serial No. 686,744
18 Claims. (Cl. 273—138)



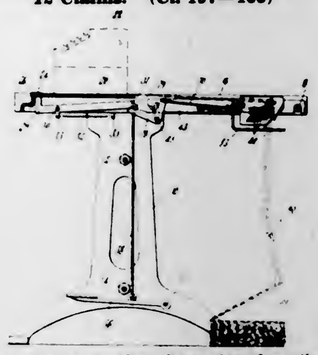
1. An amusement device including, a support for carrying articles, a part supported for movement across said support substantially in parallelism therewith to push articles therefrom, and coin controlled power means for moving said part.

2,005,693

ALIGNING DEVICE FOR MANIFOLDING TYPEWRITERS

Arthur G. Pierce, Quincy, Mass., assignor to Atlantic Register Company, Waltham, Mass., a corporation of Massachusetts

Application October 11, 1934, Serial No. 747,875
12 Claims. (Cl. 197—133)



1. In a device of the character described, the combination of a support, a plurality of aligning leaves pivotally mounted in said support in spaced relation permitting a paper strip to travel between each two adjacent leaves from a source

of supply, a pair of stops for limiting the pivotal movement of said leaves in both directions, normally operative means for holding said leaves in a retracted position against one of said stops and means for turning said leaves forwardly against the other of said stops when said holding means is released.

2,005,694

HEDGE SHEARS

Peter S. Vosbikian and Thomas S. Vosbikian, Philadelphia, Pa., assignors to Keystone Tool Manufacturing Company, a corporation of Pennsylvania

Application February 6, 1934, Serial No. 709,907
3 Claims. (Cl. 30—11)



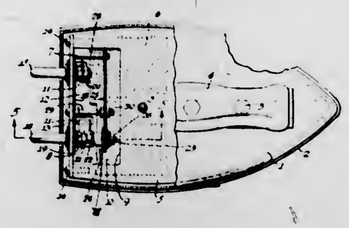
2. Hedge shears, comprising handle receiving shanks, having cooperating bearing portions, a pair of cutting blades pivotally connected with each other at their rear ends, a fastening device passing through said bearing portions and the rear ends of said blades in advance of their pivotal connection, and each of said bearing portions having a forward extension having a pin and slot connection with a juxtaposed blade intermediate the free ends of such blade and said fastening device.

2,005,695

SAFETY DEVICE FOR SADIRONS

Abe Caruthers, Jr., Nashville, Tenn.

Application July 19, 1933, Serial No. 681,131
1 Claim. (Cl. 219—25)



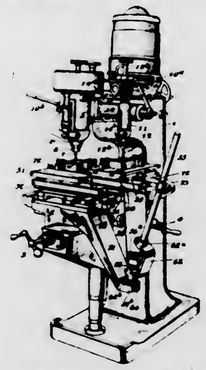
In a sad iron including a casing, and a pair of contact members extending through said casing and a heating element having one terminal connected to one of said contact members, and having the other terminal bent to form an upstanding flexible support, a thermostatic switch comprising a contact head connected to said flexible support terminal of said heating element, a laterally flexible contact carrier carrying said contact head into and out of engagement with the other of said contact members, said flexible contact carrier being formed of strips of metal having different coefficients of expansion, means for fixedly supporting said contact carrier at its opposite end, and a regulator controlling the temperature at which said switch operates, said regulator also supporting said contact carrier and being positioned on said carrier nearer to its free end than to its secured end.

2,005,696

MACHINE TOOL

George Gorton, 3d, Peter M. Henkes, and George Horner, Racine, Wis., assignors to George Gorton Machine Company, Racine, Wis., a corporation of Wisconsin

Application January 13, 1934, Serial No. 706,540
23 Claims. (Cl. 90—13.2)



1. In combination, a cutter head; a tracer stylus head arranged in relatively normally fixed relation to said cutter head; a relatively longitudinally movable cutter carried by the cutter head; a relatively longitudinally movable stylus carried by the stylus head; a hand operated feed means for simultaneously moving the cutter and stylus longitudinally toward and from operative positions and for holding the same in operative and withdrawn positions; and means under the control of the operator for holding the work and pattern in fixed relative relationship and for simultaneously moving the same laterally, while maintaining said relationship, into operative relations with the cutter and stylus, respectively, said last mentioned means including a sensitive work and pattern carrier universally laterally movable, and an actuating and holding handle having power multiplying operative connection with said carrier, said handle being arranged with respect to said feed means for operation by one hand of the operator while his other hand is applied to said feed means.

15. A three dimensional duplicating apparatus wherein a cutter and a tracer stylus are maintained in normal laterally spaced relation, and wherein the work and the pattern are arranged opposite the cutter and the tracer, respectively; including manually controlled means for causing relative depth cutting and tracing and return movements between the cutter and tracer and the work and pattern to bring the cutter and the work and the tracer and the pattern to and hold the same in operative depth cutting and depth tracing association; and manually-actuated means for causing universal lateral cutting and tracing movements between the cutter and the tracer and the work and pattern, embodying a member provided with a supporting mounting by which said member is rendered freely and universally movable laterally and is held against substantial relative vertical movements, and a

member-propelling and controlling handle provided with operative power-multiplying and controlling connection with said member.

2,005,697
MANUFACTURE OF IRON BLUES
Samuel Felten Greve, Swarthmore, Pa., assignor to Henry Bower Chemical Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 31, 1933, Serial No. 687,727
23 Claims. (Cl. 23—77)

1. An improvement in making iron blues by a process involving reaction together in solution of a ferrous salt and an alkali ferrocyanide, with a resultant ferrous alkali ferrocyanide precipitate, and oxidation of this precipitate; which improvement comprises subjecting the precipitate, before the oxidation thereof, to the influence in the solution of the ions of a metal of the group consisting of magnesium and calcium, which does not itself react with the other ingredients aforementioned, nor with the desired product and afterwards eliminating a component containing these ions from the product.

13. An improvement in making iron blues by a process involving reaction together in solution of ferrous sulphate and an alkali ferrocyanide, with a resultant ferrous alkali ferrocyanide precipitate and oxidation of such precipitate; which improvement comprises bringing the ferrous salt and the alkali ferrocyanide together in an amount of water such as to be thickened into a slurry at a comparatively early stage of the reaction, and gradually adding more water as the reaction proceeds.

21. An improvement in making iron blues by a process involving reaction together in solution of a ferrous salt and an alkali ferrocyanide, with a resultant ferrous alkali ferrocyanide precipitate, and oxidation of this precipitate; which improvement comprises subjecting the precipitate, before the oxidation thereof, to the influence of magnesium sulphate in the solution, and afterward eliminating the magnesium sulphate from the product.

2,005,698
MANUFACTURE OF IRON BLUES
Samuel Felten Greve, Swarthmore, Pa., assignor to Henry Bower Chemical Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Continuation of application Serial No. 629,582, August 19, 1932. This application October 3, 1933, Serial No. 692,036
9 Claims. (Cl. 23—77)

1. An improvement in the making of iron blues, which improvement comprises bringing into reaction together, in water, a dissolved ferrous salt and a suspended sparingly soluble double ferrocyanide of an alkali and a metal which will replace the iron of said ferrous salt.

2,005,699
CONDUIT AND LIKE CONSTRUCTION
Christian Gottwald, Cleveland Heights, Ohio., assignor to The Ric-wiL Company, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1934, Serial No. 713,453
7 Claims. (Cl. 137—75)

1. A conduit comprising sections each consisting of upper and lower portions, the edges of the upper and lower portions being formed with undercut recesses extending therealong, the ends of the lower section being provided with undercut recesses opening to the interior of the

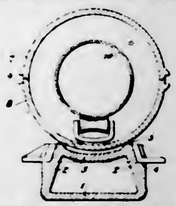


section and the end of the upper portion being provided with undercut recesses opening to the exterior of the section.

2,005,700
PROCESS OF EXTRACTING SEX HORMONES AND A COMPOUND OF A SEX HORMONE WITH AN ALKALOID
Fritz Johannessohn, Mannheim-Feudenheim, and Erich Rabald, Mannheim, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Application October 14, 1933, Serial No. 693,670. In Germany October 22, 1932
18 Claims. (Cl. 260—131)

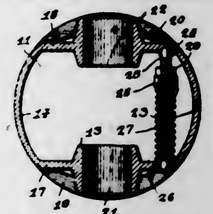
15. A follicular sex hormone combination consisting of the hormone combined with an alkaloid base.

2,005,701
CONDUIT CONSTRUCTION
Morton L. Spackman, Cleveland, Ohio, assignor to The Ric-wiL Company, Cleveland, Ohio, a corporation of Ohio
Application August 12, 1931, Serial No. 556,630
14 Claims. (Cl. 137—75)



1. A base drain comprising a series of tiles each being an integral piece having two pair of ribs, one pair along its top, and the other pair along its sides.

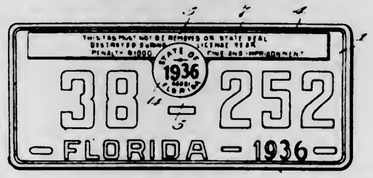
2,005,702
PISTON
Gerritt Wagner, Orange City, Iowa
Application August 12, 1933, Serial No. 684,905
1 Claim. (Cl. 309—12)



A piston having a wall including separable resilient portions, one of said portions being perforated and the other having a recess in its inner

face, a screw having an end mounted for rotation in said recess and a grooved end mounted for reciprocation and rotation in said perforation, a nut threaded upon the screw and a spring surrounding the screw and having an end bearing against the nut and an end bearing against the perforated face of a resilient portion.

2,005,703
AUTOMOBILE LICENSE PLATE HOLDER
Karl Endlich, Miami, Fla., assignor of one-half to William F. A. Buehner, Miami, Fla.
Application March 28, 1935, Serial No. 13,519
7 Claims. (Cl. 40—125)



1. In combination with a license plate having openings and a mounting bracket there for having openings, mounting bolts fitted through the openings of the bracket and plate, clamp nuts fitted on said mounting bolts and provided with guideway portions, a locking bar provided with flange portions received in the guideway portions of the clamp nuts to retain the same against removal from the mounting bolts, and seal means engaging the locking bar and the license plate to prevent unauthorized removal of the locking bar.

2,005,704
CONDUIT
Christian Gottwald, Cleveland Heights, and Harvey R. Hawgood, Cleveland, Ohio, assignors to The Ric-wiL Company, Cleveland, Ohio, a corporation of Ohio
Application March 25, 1933, Serial No. 662,771
2 Claims. (Cl. 137—75)



2. A ceramic article comprising a tubular body of substantially uniform thickness throughout the major portion of its extent, two excrescences each including a pair of axially extending ribs arranged diametrically opposite each other, each pair of ribs defining a recess, and two axially extending excrescences intermediate said ribs, the ribs and second mentioned excrescences being substantially equal in cross-section, the second mentioned excrescences being arranged diametrically opposite each other substantially midway between the recesses.

2,005,705
PREPARATION OF CARBON COMPOUNDS CONTAINING FLUORINE
Herbert W. Daudt and Mortimer A. Youker, Wilmington, Del., assignors, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del., a corporation of Delaware
Application September 20, 1930, Serial No. 483,289
27 Claims. (Cl. 260—162)

1. The process of preparing di-fluoro-dichloro methane which comprises passing carbon-tetra-chloride and hydrogen fluoride simultaneously into a penta-valent antimony halide.

2,005,706
ORGANIC FLUORINE COMPOUND
Herbert Wilkens Daudt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals Inc., Wilmington, Del., a corporation of Delaware
Application August 10, 1932, Serial No. 628,154
27 Claims. (Cl. 260—166)

1. In a process of preparing organic fluorine compounds, the step which comprises reacting together in vapor phase hydrogen fluoride and a compound containing an acyclic carbon atom having attached thereto a halogen other than fluorine, in the presence of a catalyst comprising essentially carbon.

13. Penta-fluoro-chloro-ethane.

2,005,707
PRODUCTION OF ORGANIC FLUORINE COMPOUNDS
Herbert Wilkins Daudt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals Inc., Wilmington, Del., a corporation of Delaware
Application August 31, 1932, Serial No. 631,162
26 Claims. (Cl. 260—166)

1. In a process of preparing organic fluorine compounds, the step which comprises reacting together hydrogen fluoride and a compound containing an acyclic carbon atom having attached thereto a halogen other than fluorine in the presence of a metal halide on activated carbon.

2,005,708
PRODUCTION OF HALOGENATED ETHANE DERIVATIVES CONTAINING FLUORINE
Herbert Wilkens Daudt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application August 24, 1933, Serial No. 686,618
29 Claims. (Cl. 260—162)

1. In a process of preparing fluorinated ethane derivatives, the step which comprises passing hydrogen fluoride and a halogenated acyclic hydrocarbon containing two carbon atoms and halogen other than fluorine into an antimony halide, and maintaining the reaction zone at a temperature above 95° C. under superatmospheric pressure.

2,005,709
PRODUCTION OF ORGANIC FLUORINE COMPOUNDS
Herbert Wilkens Daudt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application October 7, 1933, Serial No. 692,696
11 Claims. (Cl. 260—162)

1. In a process of producing organic fluorine compounds involving a fluorination in the presence of a volatile antimony fluorinating catalyst and removal from the reaction zone of evolved vapors containing fluorinated compounds and volatilized catalyst as well as other substances, the step which comprises passing the evolved vapors through at least two scrubbing baths in series of a halogenated acyclic hydrocarbon, the temperature of each bath being lower than that of the preceding one.

2,005,710
PREPARATION OF FLUORINE COMPOUNDS
Herbert Wilkens Dandt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application March 26, 1934, Serial No. 717,514
In Canada May 20, 1931
55 Claims. (Cl. 260—162)

1. In a process of producing carbon compounds containing fluorine, the step which comprises reacting together hydrogen fluoride and a compound containing at least one acyclic carbon atom having attached thereto at least one halogen atom other than fluorine.

50. In a process of producing halogenated acyclic hydrocarbons containing fluorine, the step which comprises simultaneously bringing gaseous hydrogen fluoride and a halogenated acyclic hydrocarbon containing a halogen other than fluorine into contact with a heavy metal halide carried on a support and maintained at a temperature within the range of about 250° C. to about 550° C.

2,005,711
PREPARATION OF ORGANIC FLUORINE COMPOUNDS
Herbert Wilkens Dandt and Mortimer Alexander Youker, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1934, Serial No. 730,842. In Canada May 20, 1931
12 Claims. (Cl. 260—162)

1. In a process of producing fluorinated derivatives of methane, containing two atoms of hydrogen, the step which comprises reacting together hydrogen fluoride and methylene chloride in the presence of a heavy metal halide.

11. In a process of producing fluorinated derivatives of methane containing two atoms of hydrogen, the step which comprises reacting methylene chloride with a pentavalent antimony fluorohalide.

2,005,712
ORGANIC FLUORINE COMPOUNDS AND PROCESS FOR THE PRODUCTION THEREOF
Lee Cone Holt, Edgemoor, and Edwin Lorenzo Mattison, Richardson Park, Wilmington, Del., assignors to Kinetic Chemicals Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 31, 1932, Serial No. 631,123
30 Claims. (Cl. 260—160)

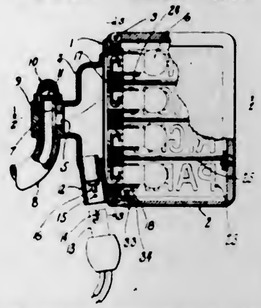
1. In a process of producing organic fluorine compounds, the step which comprises reacting a fluorinating agent with a compound containing at least one acyclic carbon atom, having attached thereto an aromatic radical and at least one halogen atom other than fluorine, in the presence of a phosphorus halide.

20. In a process of producing organic fluorine compounds, the step which comprises reacting together in liquid phase hydrogen fluoride and a halogenated hydrocarbon containing at least one acyclic carbon atom having attached thereto at least one halogen atom other than fluorine and an aromatic radical, in the presence of a small amount of an antimony fluorinating catalyst.

2,005,713
PRODUCTION OF FLUORINATED ACYCLIC HYDROCARBONS
Lee Cone Holt, Edgemoor, Del., and Edwin Lorenzo Mattison, Pennsgrove, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1933, Serial No. 654,970
11 Claims. (Cl. 260—162)
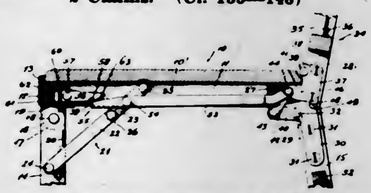
1. In a process of producing fluorinated acyclic hydrocarbons, the step which comprises passing hydrogen fluoride into a mixture of liquid halogenated acyclic hydrocarbon not containing fluorine and about 2.0% to about 25.0%, based on the weight of the halogenated acyclic hydrocarbon, of a pentavalent antimony halide.

2,005,714
SIGNALING DEVICE
Bornett L. Bobroff, Racine, Wis.
Application August 8, 1929, Serial No. 384,319
3 Claims. (Cl. 177—329)



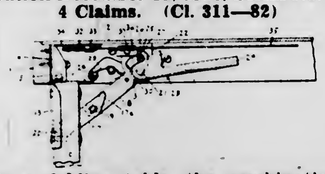
1. A signal device comprising a casing having metal parts, an insulating panel carried within said casing and provided with openings, sockets carried within said openings, and insulated from the metal parts of said casing, a grounding strip carried by said panel and contacting with the metal parts of said casing and center contact fingers secured to said grounding strip and having free ends located adjacent the openings in said panel, each of said sockets being electrically distinct from every other socket.

2,005,715
FOLDING CHAIR
John Kovats, Fairfield, Conn., assignor to The Leg-O-Matic Company, Bridgeport, Conn., a corporation of Connecticut
Application April 21, 1931, Serial No. 531,663
2 Claims. (Cl. 155—148)



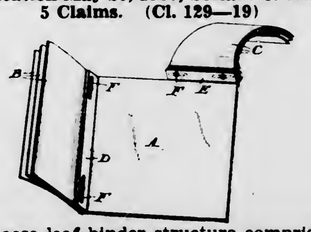
1. A foldable chair comprising a seat member; a back member pivoted to said seat member for movement into either a folded position or an extended position; front legs pivoted to said seat member; a pair of toggle links pivoted respectively to the seat member and front legs and pivoted together intermediate these pivots; rear legs pivoted to said seat member; secondary pivots on said back member and on said rear legs; and actuator links connected to and extending from said back member secondary pivot, one to the pair of toggle links and the other to the secondary pivot on the rear legs to move the front legs and rear legs into folded and extended positions automatically when the back member is moved into folded or extended positions respectively.

2,005,716
FOLDING ARTICLE OF FURNITURE
John Kovats, Fairfield, Conn., assignor to The Leg-O-Matic Company, Bridgeport, Conn., a corporation of Connecticut
Application December 19, 1933, Serial No. 703,050
4 Claims. (Cl. 311—82)



3. In a folding table, the combination of a table top; a plurality of legs; means for hinging the legs on the table top for movement to and from extended and folded positions; toggle links connecting each leg to the table top; means yieldingly directly and independently acting on each pair of toggle links for causing the latter to automatically complete the movement of the leg into either folded or extended positions as the legs approach either the one or the other of said positions respectively; and means acting on said toggle links for interconnecting the legs for simultaneous movement of all by one.

2,005,717
BOOK STRUCTURE AND BINDER FOR LEAVES
Melvin H. Coulston, Washington, D. C.
Application May 20, 1930, Serial No. 454,132
5 Claims. (Cl. 129—19)



1. A loose leaf binder structure comprising, in combination a pair of longitudinally hinged cover members, a flange hinged along a longitudinal side margin of one of the cover members, remote from the cover hinge, and another flange hinged along a transverse margin of the second cover member.

DESIGNS

JUNE 18, 1935

95,944
DESIGN FOR A HAND MIRROR
Harry L. Bernstein, Elmira, N. Y.
Application April 2, 1935, Serial No. 56,184
Term of patent 3½ years



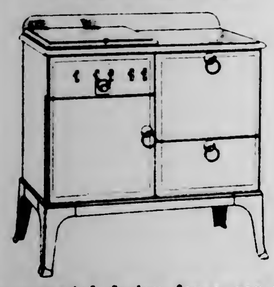
The ornamental design for a hand mirror, as shown.

95,945
DESIGN FOR A TEXTILE FABRIC
Fremont Otto Beesmeck, New York, N. Y.
Application April 10, 1935, Serial No. 56,299
Term of patent 3½ years



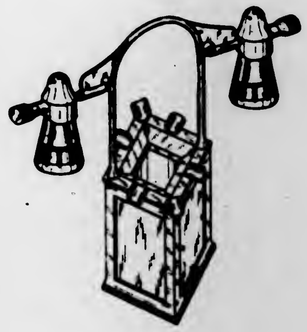
The ornamental design for a textile fabric, substantially as shown.

95,946
DESIGN FOR A GAS RANGE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 29, 1934, Serial No. 51,237
Term of patent 7 years



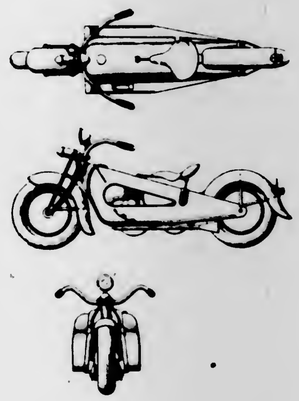
The ornamental design for a gas range substantially as shown.

95,947
DESIGN FOR A COMBINATION ASH TRAY AND SALTCELLAR STAND
Monty J. Buchanan, Seattle, Wash.
Application March 25, 1935, Serial No. 56,044
Term of patent 7 years



The ornamental design for a combination ash tray and saltcellar stand, as shown.

95,948
DESIGN FOR A MOTOR-CYCLE
Everett M. De Long, Cleveland, Ohio
Application April 15, 1935, Serial No. 56,381
Term of patent 14 years



The ornamental design for a motor-cycle, as shown.

95,949
DESIGN FOR AN ICE-CUBE SPOON
Milton S. Dunkelberger, Dayton, Ohio
Application March 16, 1935, Serial No. 55,903
Term of patent 7 years



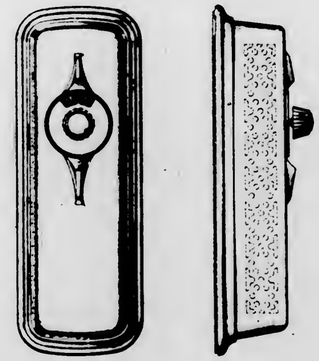
The ornamental design for an ice-cube spoon, as shown.

95,950
DESIGN FOR A CYCLE SADDLE
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application April 4, 1935, Serial No. 56,213
Term of patent 14 years



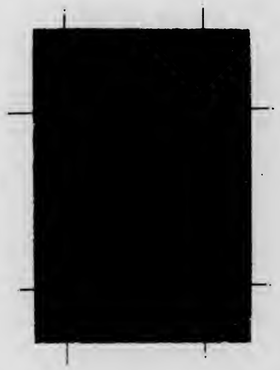
The ornamental design for a cycle saddle substantially as shown.

95,951
DESIGN FOR AN AIR-CONDITIONING CONTROL DEVICE OR SIMILAR ARTICLE
Lucien L. Fries, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 10, 1935, Serial No. 56,287
Term of patent 14 years



The ornamental design for an air-conditioning control device or similar article, as shown and described.

95,952
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application January 2, 1935, Serial No. 54,663
Term of patent 14 years



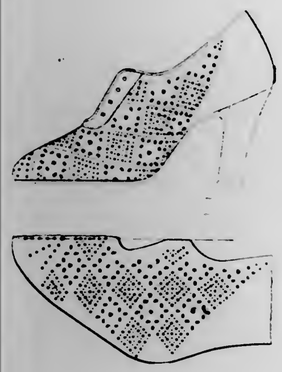
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

95,953
DESIGN FOR A SHOE
Leo Goodkind, Woodmere, N. Y.
Application May 9, 1935, Serial No. 56,751
Term of patent 3½ years



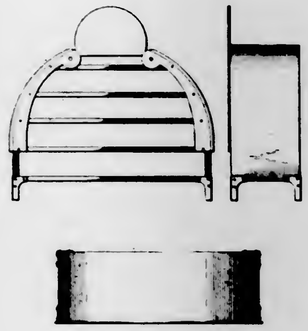
The ornamental design for a shoe as shown.

95,954
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Albert E. Gordon, Boston, Mass.
Application April 26, 1935, Serial No. 56,562
Term of patent 3½ years



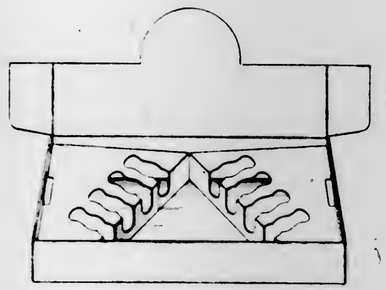
The ornamental design for a shoe or article of analogous nature, substantially as shown and described.

95,955
DESIGN FOR A DISPLAY RACK
Norman E. Heil, Paterson, N. J.
Application May 16, 1934, Serial No. 51,811
Term of patent 7 years



The ornamental design for a display rack as shown and described.

95,956
DESIGN FOR A CHRISTMAS TREE LIGHTING UNIT CARTON
Mitchel E. Holy, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application September 28, 1934, Serial No. 53,430
Term of patent 14 years



The ornamental design for a Christmas tree lighting unit carton, substantially as shown and described.

95,957
DESIGN FOR A LACE TABLECLOTH
Howard D. Hooven, Jr., Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,321
Term of patent 3½ years



The ornamental design for a lace tablecloth substantially as shown and described.

95,958
DESIGN FOR A LACE TABLECLOTH
Howard D. Hooven, Jr., Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,322
Term of patent 3½ years



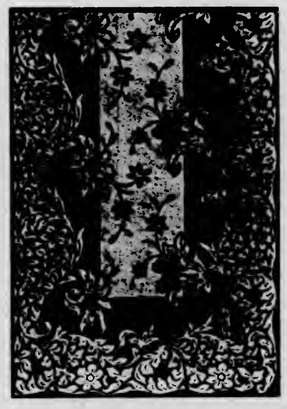
The ornamental design for a lace tablecloth substantially as shown and described.

95,959
DESIGN FOR A LACE TABLECLOTH
Howard D. Hooven, Jr., Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,323
Term of patent 3½ years



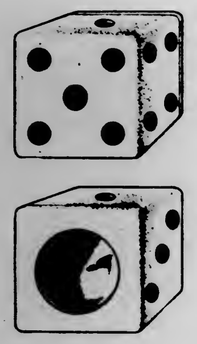
The ornamental design for a lace tablecloth substantially as shown and described.

95,960
DESIGN FOR A LACE TABLECLOTH
Howard D. Hooven, Jr., Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,324
Term of patent 3½ years



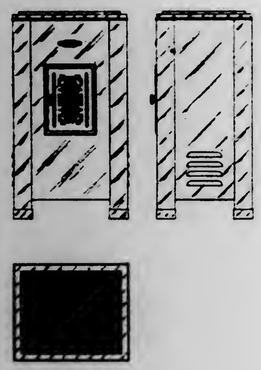
The ornamental design for a lace table cloth substantially as shown and described.

95,961
DESIGN FOR A RADIOCABINET
Nathan George Horwitt, New York, N. Y.
Application May 26, 1934, Serial No. 51,934
Term of patent 3½ years



The ornamental design for a radio cabinet, as shown.

95,962
DESIGN FOR A HEATER CABINET OR THE LIKE
Don F. Jones, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 13, 1935, Serial No. 56,260
Term of patent 7 years



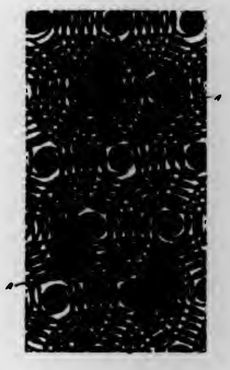
The ornamental design for a heater cabinet, or the like, as shown.

95,963
DESIGN FOR A SANDAL
William H. Joyce, Jr., Pasadena, Calif.
Application May 9, 1935, Serial No. 56,750
Term of patent 3½ years



The ornamental design for a sandal as shown.

95,964
DESIGN FOR A TEXTILE FABRIC
Max U. Juestrich, Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application February 2, 1935, Serial No. 55,212
Term of patent 3½ years



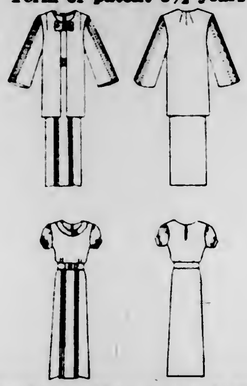
The ornamental design for textile fabric, substantially as shown and described.

95,965
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application October 16, 1934, Serial No. 53,633
Term of patent 3½ years



The ornamental design for a glass bottle, substantially as shown and described.

95,966
DESIGN FOR AN ENSEMBLE DRESS
Jack Kirschner, New York, N. Y.
Application April 9, 1935, Serial No. 56,280
Term of patent 3½ years



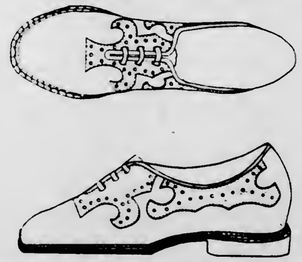
The ornamental design for an ensemble dress, substantially as shown and described.

95,967
DESIGN FOR AN ICE TRAY
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 3, 1935, Serial No. 56,193
Term of patent 7 years



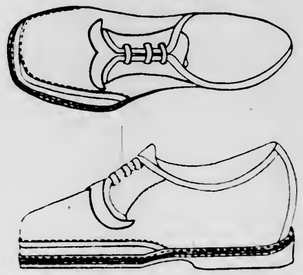
The ornamental design for an ice tray substantially as shown.

95,968
DESIGN FOR A SHOE
Josef Lanz, Salzburg, Austria
Application May 2, 1935, Serial No. 56,664
Term of patent 7 years



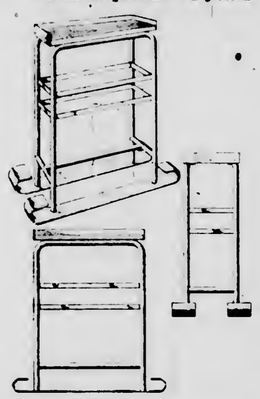
The ornamental design for a shoe, as shown.

95,969
DESIGN FOR A SHOE
Josef Lanz, Salzburg, Austria
Application May 2, 1935, Serial No. 56,665
Term of patent 7 years



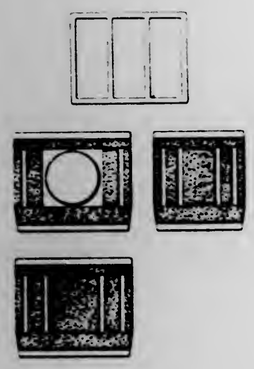
The ornamental design for a shoe, as shown.

95,970
DESIGN FOR A VENDING MACHINE STAND OR SIMILAR ARTICLE
Emma A. Laughery, Chicago, Ill.
Application April 15, 1935, Serial No. 56,398
Term of patent 14 years



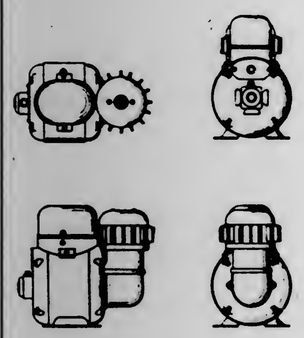
The ornamental design for a vending machine stand or similar article, as shown.

95,971
DESIGN FOR A BATTERY BOX
Raymond Le Clerc, Glendale, Calif., assignor to Western Molded Products, Inc., Los Angeles, Calif., a corporation of Ohio
Application April 17, 1935, Serial No. 56,430
Term of patent 14 years



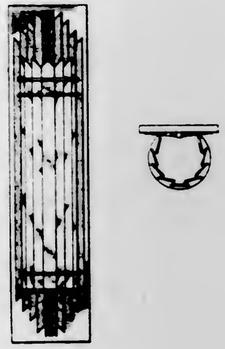
The ornamental design for a battery box as shown.

95,972
DESIGN FOR A PUMP ASSEMBLY
Lynn G. Lindsay, Minneapolis, Minn., assignor to The Lindsay Ganley Company, Incorporated, St. Paul, Minn., a corporation
Application September 26, 1934, Serial No. 53,402
Term of patent 3½ years



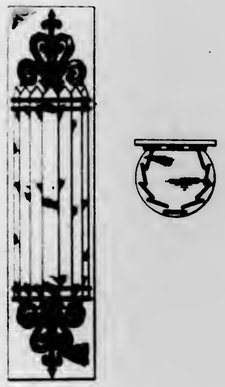
The ornamental design for a pump assembly as shown.

95,973
DESIGN FOR A SURFACE SUPPORTED LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application March 20, 1935, Serial No. 55,969
Term of patent 7 years



The ornamental design for a surface supported lighting fixture substantially as shown.

95,974
DESIGN FOR A SURFACE SUPPORTED LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application March 25, 1935, Serial No. 56,033
Term of patent 7 years



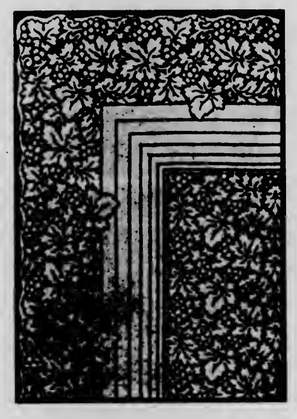
The ornamental design for a surface supported lighting fixture substantially as shown.

95,975
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,319
Term of patent 3½ years



The ornamental design for a lace tablecloth substantially as shown and described.

95,976
DESIGN FOR A LACE TABLECOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,320
Term of patent 3½ years



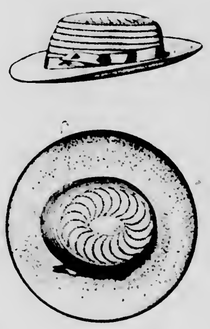
The ornamental design for a lace tablecloth substantially as shown and described.

95,977
DESIGN FOR A KNITTED FABRIC
Milton Moskowitz, Brooklyn, N. Y.
Application December 18, 1934, Serial No. 54,468
Term of patent 7 years



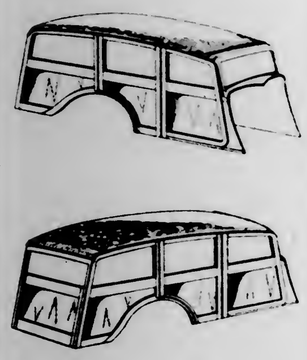
The ornamental design for a knitted fabric, as shown.

95,978
DESIGN FOR A HAT
Sam Neger, New York, N. Y.
Application May 27, 1935, Serial No. 57,029
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

95,979
DESIGN FOR AN AUTOMOBILE BODY
Ames E. Northup, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application August 1, 1934, Serial No. 52,763
Term of patent 3½ years



The ornamental design for an automobile body substantially as shown and described.

95,980
DESIGN FOR A SIGNAL AND CODE DIAL
Arnold Opler, Riverside, Ill.
Application February 6, 1935, Serial No. 55,278
Term of patent 7 years



The ornamental design for a signal and code dial, substantially as shown.

95,981
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,317
Term of patent 3½ years



The ornamental design for a lace table cloth. substantially as shown and described.

95,982
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 11, 1935, Serial No. 56,318
Term of patent 3½ years



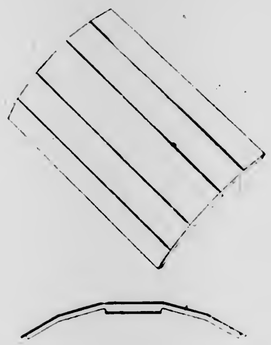
The ornamental design for a lace table cloth substantially as shown and described.

95,983
DESIGN FOR A CRUCIFIXION CROSS OR SIMILAR ARTICLE
Benjamin E. Puciloski, Cicero, Ill.
Application March 30, 1935, Serial No. 56,136
Term of patent 7 years



The ornamental design for a crucifixion cross or similar article, substantially as shown.

95,984
DESIGN FOR A CARPET SWEEPER SHELL
Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application September 29, 1934, Serial No. 53,434
Term of patent 14 years



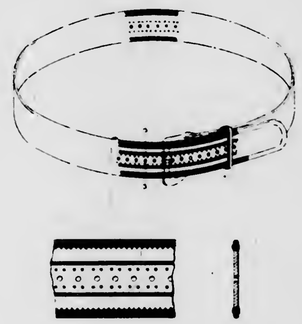
The ornamental design for a carpet sweeper shell, substantially as shown and described.

95,985
DESIGN FOR A BADGE
Alonzo R. Rowles, Washington, D. C.
Application February 12, 1935, Serial No. 55,377
Term of patent 3½ years



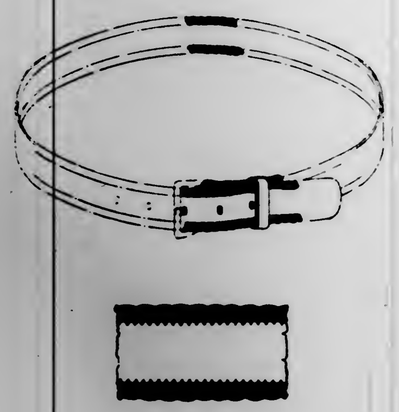
The ornamental design for a badge, substantially as shown.

95,986
DESIGN FOR A BELT FOR PERSONAL WEAR
Morris Sachs, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application May 27, 1935, Serial No. 57,026
Term of patent 3½ years



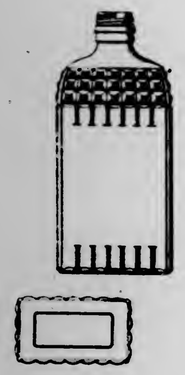
The ornamental design for a belt for personal wear, as shown and described.

95,987
DESIGN FOR A BELT FOR PERSONAL WEAR
Morris Sachs, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application May 27, 1935, Serial No. 57,028
Term of patent 3½ years



The ornamental design for a belt for personal wear, as shown and described.

95,988
DESIGN FOR A BOTTLE
George Sakier, New York, N. Y., assignor to Schenley Products Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1935, Serial No. 55,523
Term of patent 14 years



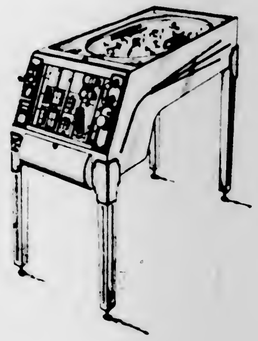
The ornamental design for a bottle as shown.

95,989
DESIGN FOR A BOTTLE
George Sakier, New York, N. Y., assignor to Schenley Products Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1935, Serial No. 55,524
Term of patent 14 years



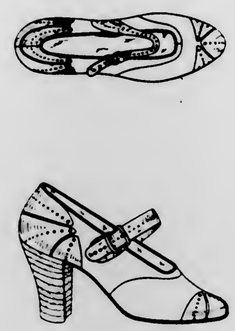
The ornamental design for a bottle, as shown.

95,990
DESIGN FOR A COMBINED GAME APPARATUS AND VENDING MACHINE
Matt Schu, Chicago, Ill.
Application March 27, 1935, Serial No. 56,074
Term of patent 7 years



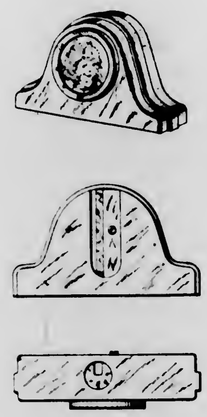
The ornamental design for a combined game apparatus and vending machine as shown.

95,991
DESIGN FOR A SHOE
Paul M. Seigel, Chicago, Ill., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application April 18, 1935, Serial No. 56,446
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

95,992
DESIGN FOR A PENCIL SHARPENER
Albert Shaffer, Brooklyn, N. Y.
Application March 8, 1935, Serial No. 55,785
Term of patent 7 years



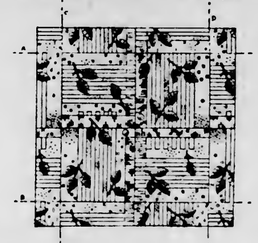
The ornamental design for a pencil sharpener as shown.

95,993
DESIGN FOR A JAR
Clifford B. Stevens, Milwaukee, Wis., assignor to Holsum Products, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application November 22, 1934, Serial No. 54,125
Term of patent 7 years



The ornamental design for a jar, as shown.

95,994
DESIGN FOR A CARPET
John S. Travis, Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 6, 1935, Serial No. 56,241
Term of patent 7 years



The ornamental design for a carpet substantially as shown and described.

95,995
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 11, 1935, Serial No. 56,787
Term of patent 3½ years



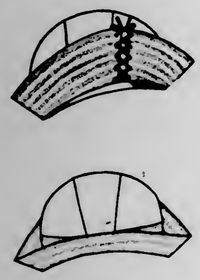
The ornamental design for a shoe, substantially as shown and described.

95,996
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 11, 1935, Serial No. 56,788
Term of patent 3½ years



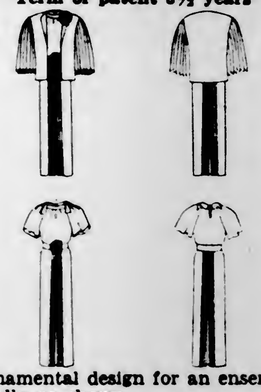
The ornamental design for a shoe, substantially as shown.

95,997
DESIGN FOR A HAT
Bernard Workman, New York, N. Y.
Application May 11, 1935, Serial No. 56,791
Term of patent 3½ years



The ornamental design for a hat, substantially as shown and described.

95,998
DESIGN FOR AN ENSEMBLE DRESS
Samuel Zahn, New York, N. Y.
Application April 15, 1935, Serial No. 56,373
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown.

95,999
DESIGN FOR A CANDLE LIGHT OR SIMILAR ARTICLE
Joseph Zeitlin, New York, N. Y.
Application December 8, 1934, Serial No. 54,348
Term of patent 7 years



The ornamental design for a candle light or similar article, as shown.

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Patents Nos. 2,005,718 to 2,006,331

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Trade-Marks	192	No. 325,398 to No.	325,589,	inclusive.
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Labels	28	No. 45,962 to No.	45,989,	inclusive.
Prints	17	No. 15,228 to No.	15,244,	inclusive.
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Patents	614	No. 2,005,718 to No.	2,006,331,	inclusive.
Designs	78	No. 95,000 to No.	95,077,	inclusive
Total	977			

Adjudicated Patents

(C. C. A. Ohio) Hopkins patent, No. 1,196,691, for means for distributing liquids, *Held* infringed. *Alliance Securities Co.* v. *De Vilbiss Mfg. Co.*, 76 F.(2d) 503.

(C. C. A. Ill.) Valjean patent, No. 1,512,869, for combustion apparatus, claims 1 to 6 and 9, *Held* not infringed. *Sears, Roebuck & Co.* v. *Valjean*, 76 F.(2d) 592.

(C. C. A. Mich.) Coffey patent, No. 1,706,211, for drop-pit mechanism, claim 30, *Held* invalid. *Whiting Corporation* v. *Manning, Maxwell & Moore*, 76 F.(2d) 457.

(C. C. A. Pa.) McCarthy patent, No. 1,748,489, for photographing apparatus, claims 5, 18, 19, 21, and 27, *Held* invalid. *McCarthy* v. *National Perforator Co.*, 76 F.(2d) 600.

(C. C. A. Mich.) Coffey reissue patent, No. 17,116, for drop-pit mechanism for unwheeling locomotives, claims 1, 2, 9, 31, 40, and 41, *Held* invalid. *Whiting Corporation* v. *Manning, Maxwell & Moore*, 76 F.(2d) 457.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the numbed or nature of the amendment shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,889,694, C. G. Passanante, Folding table, decided May 6, 1935, claims 2 and 3.

Pat. 1,957,079, Adolph Roaning, Power driven mowing machine, decided May 29, 1935, claim 1.

Disclaimers

1,789,392.—*John Sneed*, Ferndale, Mich. BRAKE ADJUSTER. Patent dated January 20, 1931. Disclaimer filed June 3, 1935, by the patentee, and the assignee, *The Midland Steel Products Company*, as trustee for *Steeldraulic Brake Corporation*.

Hereby disclaim from the aforesaid patent claims Nos. 1 and 2 which are in the following words, to wit:

"1. In a brake, the combination of a shoe having an inwardly extending flange, an adjuster for changing the effective length of said shoe having a slot in which said flange fits, screw means for moving said adjuster in one direction and spring means for moving said adjuster in the opposite direction when said screw means is released.

"2. In apparatus of the class described the combination of a brake shoe having an inwardly extending flange, an adjusting member adapted to engage said flange and to extend circumferentially beyond one end of said shoe, and screw means adapted when turned in one direction to move said adjusting member to increase the effective length of said shoe and when turned in the opposite direction to allow said adjusting member to be moved to decrease the effective length of said shoe."

1,949,765.—*Jean Delattre Seguy*, Chicago, Ill. HYDROCARBON OIL CONVERSION. Patent dated March 6, 1934. Disclaimer filed June 4, 1935, by the patentee, the assignee, *Universal Oil Products Company*, consenting.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"4. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under sufficient pressure to maintain a substantial portion thereof in the liquid phase, discharging the heated oil into a separating zone and separating the same into vapors and unvaporized oil therein, simultaneously heating hydrocarbon vapors to vapor phase cracking temperature in a second heating zone maintained at higher temperature than the first-mentioned heating zone, and injecting resultant vapor phase cracked vapors from said second zone in amount and at a temperature sufficient to distill the unvaporized oil to coke."

Condition of Applications Under Examination at Close of Business June 8, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 33,612; Trade-Mark Division, 1,330. Oldest new case, February 11, 1935; oldest amended, February 4, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 26	Apr. 12	314
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Buttebering; Bee Culture.	Mar. 29	Mar. 29	488
4093	3. LINDSEY A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 8	Mar. 8	625
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Mar. 14	Mar. 20	407
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 11	Mar. 22	475
4098 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 23	Mar. 4	929
5726	7. JARBOE, C. G., Optics; Photography	Mar. 15	Mar. 15	731
3089	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 4	Mar. 4	495
4094	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 12	Apr. 8	310
6812	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Apr. 6	Apr. 8	332
3097 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 11	Feb. 15	591
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Mar. 4	Mar. 4	442
3086	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 8	Apr. 8	290
3097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 11	Mar. 6	457
4097	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 29	Mar. 29	704
3612	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 2	Mar. 1	609
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 14	Mar. 13	637
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Mar. 9	Mar. 11	362
4096	19. KENNEDY, A. B., Furnaces and Stoves; Fuel Burners	Mar. 18	Mar. 15	518
3613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Mar. 7	Mar. 27	232
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 11	Mar. 16	571
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Mar. 7	Mar. 7	629
7692	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers.	Feb. 14	Feb. 8	541
3603	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 14	Mar. 14	608
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 9	Mar. 9	578
4088	26. ADAMS, W. M., Electricity, Generation; Motive Power	Apr. 8	Apr. 8	293
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Mar. 9	Mar. 9	424
4628	28. BENSON, A. R., Internal-Combustion Engines	Mar. 13	Mar. 13	357
3083	29. SEKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Mar. 11	Mar. 12	493
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats	Feb. 15	Feb. 4	500
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 8	Mar. 8	809
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Apr. 3	Apr. 8	298
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Mar. 2	Mar. 8	607
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 21	Feb. 21	623
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Mar. 9	Mar. 9	646
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 15	Mar. 12	373
3606 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Feb. 15	Feb. 18	534
7810	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Plastic Compositions.	Mar. 9	Mar. 11	413
4672	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 15	Apr. 22	252
7680	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Mar. 5	Mar. 5	885
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Mar. 15	Mar. 13	487
3602	42. CUTTING, H. O., Electric Signaling	Apr. 1	Apr. 3	432
4096 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 7	Mar. 7	570
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Feb. 11	Feb. 9	758
7087	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Apr. 3	Apr. 3	256
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Mar. 6	Mar. 6	580
7600	47. BARKER, H., Clutches; Brakes	Mar. 28	Mar. 29	533
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 9	Mar. 13	479
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 6	Apr. 8	471
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 27	Feb. 27	800
5628	51. BACKUS, C. D., Radiant Energy	Mar. 19	Mar. 19	613
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 18	Mar. 20	614
6597	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 30	Apr. 11	401
5674	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Mar. 19	Mar. 19	565
6657	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 10	Apr. 10	393
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Mar. 11	Mar. 13	676
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Apr. 11	Apr. 6	225
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Apr. 22	Apr. 22	312
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Mar. 16	Mar. 16	466
3698	60. GLASS, E. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Mar. 13	Mar. 25	369
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 13	Feb. 9	357
3678	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 18	Mar. 21	542
4688	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 15	Feb. 18	589
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 9	Mar. 9	769
3624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 1	Apr. 1	557
3699 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND — Trade-Marks	May 8	May 25	1,211
	Labels and Prints	May 31	June 3	119
7605	Designs. H. H. KALUPY (Act.)	May 8	May 24	656

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE RICHARDSON ET AL.

No. 3,423. Decided February 4, 1935

[74 F.(2d) 942]

PATENTABILITY—CHILL-HARDENING ADHESIVE DEPILATORY COATING MATERIAL.

Claims for a chill-hardening adhesive depilatory coating material *Held* properly rejected as not inventively different from the claims of a patent owned by applicant's assignee.

APPEAL from the Patent Office. Affirmed.

Mr. Roy W. Johns for Richardson et al.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the action of the Examiner in rejecting claims 5, 15, 16, and 18 of appellants' application for a patent on an alleged improvement in chill-hardening adhesives.

The application of the appellants discloses adhesive coating materials which are substantially fluid when hot, and which congeal upon chilling, and are particularly adaptable for use as food carcass depilatories. For such material the appellants propose to use rosin and cottonseed oil, or rosin and asphalt. These are liquefied by heat, then sprayed upon the carcass of a hog or other animal, after which it hardens and forms a coating upon the hair or excrescences of the carcass. This hard coating is then removed, carrying with it the hair and other extraneous material, after which this material is recovered by fusing and straining out the foreign matter. The appellants state that the rosin element may vary from 88 per centum to 93 per centum, with a complement of cottonseed oil. They also give another form consisting of about 25 per centum of rosin with a complement of asphalt.

The rejected claims are as follows:

5. A fusible chill-hardening adhesive depilatory coating material of substantially uniform amorphous consistency adapted for stripping epidermal excrescences from edible carcasses consisting of a relatively large proportion of resinous material with a correspondingly small proportion of unguinous material.

15. A fusible, chill-hardening adhesive depilatory coating material of substantially uniform, amorphous consistency adapted for stripping epidermal excrescences from edible carcasses consisting of a resinous material and an unguinous material.

16. A fusible, chill-hardening adhesive depilatory coating material of substantially uniform, amorphous consistency adapted for stripping epidermal excrescences from edible carcasses consisting of a resinous material in quantity of from substantially 25 per cent to 90 percent of the entire mass and the remainder of an unguinous material.

18. A fusible, chill-hardening adhesive depilatory coating material of substantially uniform, amorphous consistency adapted for stripping epidermal excrescences from edible carcasses consisting of not less than 25 per cent of rosin and an unguinous material.

The Examiner rejected these claims upon the following references: Knoepfler, 1,084,091, January 13, 1914; Walter, 1,721,610, July 23, 1929; Richardson et al., 1,748,082, February 25, 1930.

The Board of Appeals affirmed the decision of the Examiner, stating, in part:

The decision of the Examiner is affirmed in rejecting the claims as not patentably distinguishing over the matter disclosed and claimed in the patent to Walter. This action also applies to allowed claim 5 as well as the appealed claims, as held by the Examiner in his statement.

The said patent to Walter covers a method of depilating food carcasses, particularly the carcasses of hogs. The patentee describes his method as one which—

"consists in coating the carcass with a congealable liquid, chilling the coating to cause it to solidify, and then stripping the coating with the embedded hairs from the carcass."

The patentee recites that various temperature controlled substances may be used,

"but it has been found that the pitch, resin, and paraffin produce very good results when used in a mixture of about sixty-five parts resin, thirty parts pitch, and five parts paraffin."

In general, the method of application and use of this material is as shown by the appellants here. The patent contains broad claims which cover the method employed by the appellants here. Claims 1, 7, and 11 of the patent will-suffice to illustrate this, and are as follows:

1. The method of depilating a carcass which consists in coating the carcass with a congealable liquid, chilling the coating to cause it to solidify, and then stripping the coating with the embedded hairs from the carcass.

7. The method of depilating a carcass which consists in coatng the carcass with a congealable liquid including pitch, resin and paraffin, chilling the coating to cause it to solidify, and then stripping the coating with the embedded hairs from the carcass.

11. The herein described method of dressing carcasses, consisting in coating the same with melted waxy and adhesive material, causing said material to congeal, and finally removing the congealed waxy and adhesive material and with it hair and extraneous material.

It is suggested by the appellants that the Walter patent and the appellants' application have been assigned to the same assignee, and that the appealed claims here constitute subject matter which is different and divisible from the Walter patent. It is also urged by appellants that Walter is an improper reference because of the alleged fact that Walter does not claim the specific compound, and that it was and is proper for the common assignee to receive the broad claims, as in the Walter patent, and afterward to include specific claims in another patent; in other words, that the appellants here are only attempting to define specifically a certain composition which, although broadly included in the Walter patent and claims, is not specifically claimed there.

In addition, it is argued that the Walter patent does not disclose a composition such as is suggested by appellants' application and claimed by them therein; in other words, that the appellants claim a composition consisting of resinous material and an unguinous material, and that the Walter patent discloses a mixture of rosin, pitch, and paraffin; that the appellants have limited their claims to a composition containing but one resinous material and one unguinous material, and have thereby distin-

guished them from the disclosure in the Walter patent.

The Solicitor replies to this argument by calling attention to the fact that pitch and paraffin are both unguinous resinous materials, and that if they were united, an unguinous material would still exist. From this, the Solicitor argues that appellants' claims read directly upon the Walter disclosure. This argument, we believe, is sound, and is not contraverted by the fact that in claims 16 and 17 the appellants give certain proportional percentages of the resinous material in their composition.

We are in agreement with the statement of the Board of Appeals that there is—

"nothing patentable in restricting the claims of this application to two materials while leaving the claims of the patent open to include additional materials if desired."

In view of this conclusion, further allusion to the other references is unnecessary.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LOBL

No. 3,431. Decided February 25, 1935

[75 F.(2d) 219]

1. DESIGNS—INVENTION.

It is elementary that there must be invention to justify the grant of a design patent. Whether there be such invention or not is to be judged largely by the effect of such design upon the ordinary observer and a consideration of the prior art.

2. SAME—SAME—NASAL INHALER.

Design for nasal inhaler *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

LENROOT, *J.*, and BLAND, *J.*, dissenting.

Mr. Lee B. Kemon for Lobl.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellant sought a patent upon a design for a nasal inhaler, in the United States Patent Office. His application was denied by both the Examiner and the Board of Appeals, in view of the art, for claimed lack of invention.

The references cited by the Board are as follows: Lobl, 1,340,662, May 18, 1920; Palmer, 1,431,177, Oct. 10, 1922; Moore, 1,540,274, June 2, 1925.

Appellant's design, as shown by the drawings, is for an inhaler with two nipple-like projections rising above the body of the container. Each of these projections has a hole in the apex. The length of the body portion of the container is more than double its width. The longer sides are parallel, while the ends of the container are rounded. Surrounding the flat base of the inhaler are two concentric mouldings integral with the body. The whole is stream lined, the side lines symmetrically converging upward toward the extremities of the inhaling projections. The entire design presents a pleasing appearance, being regular, shapely, and free from angles and irregularities.

The references alleged to be anticipatory are all mechanical patents. Lobl is a container for inhalants. It is rectangular in shape, the corners being rounded. The lower portion consists of a box containing the inhalant. Fitting into this is a top portion consisting of two rectangular projections for applying to the nostrils. The sides of these projections are flat, the corners rounded, and the sides adjacent to each other are corrugated. As assembled, the container gives the appearance of a box with a lid, the upper margin of the box being parallel with the bottom of the container.

The reference Palmer, which is thought by the office to be "basic," discloses an inhaler, the base of which is oval in shape. About the base of the inhaler is a rounded flange. Arising from the base are two projections, horn-shaped, bending outward and then inward toward the apices, so that they may be hooked within the nostrils. The outward appearance of these projections is not shown by the drawings.

The patent to Moore shows an inhaler. Its base is rectangular, to which rectangle is attached a curved metal plate, to be held in the mouth to keep the inhaler in situ. Rising from the rectangular base are two rectangular projections pierced at their apices. These projections are inclined inward from the base toward the aforementioned plate.

[1] It is elementary that there must be invention to justify the grant of a design patent. Whether there be such invention or not is to be judged largely by the effect of such design upon the ordinary observer and a consideration of the prior art.

[2] We are of opinion that the design presented by appellant is pleasing and artistic, is distinctive, is not suggested by the references, but is substantially different therefrom, produces a different aesthetic effect, and is inventive. In such cases, a patent should be allowed. *In re* Hormel, 19 C. C. P. A. (Patents) 1046, 56 F. (2d) 672, 420 O. G. 293, and *In re* Muldoon, 19 C. C. P. A. (Patents) 1082, 56 F. (2d) 894, 421 O. G. 8.

The decision of the Board of Appeals is reversed.

Reversed.

LENROOT, *J.*, dissenting:

I feel compelled to dissent from the conclusion reached by the majority in this case for the reason that, in my opinion, the production of the design here involved did not inviove the exercise of the inventive faculty.

It is my opinion that a person with average intelligence, having before him the drawings of appellant's mechanical patent, or the drawings of the Moore patent, desiring to design a more pleasing and artistic form of inhaler, could, and would, within the space of an hour, produce substantially appellant's design without any exercise of the inventive faculty. The general contours of an inhaler, such as is shown in appellant's patent, must be preserved because of its utilitarian function. This leaves a very limited field for change in form to render the design more pleasing and artistic. Probably not more than three or four such designs, excluding ornamentation upon the form itself, could be made without exhausting the field. If the design here involved is patentable, then perhaps two or three additional designs are likewise patentable because sufficiently distinctive from the design here in issue; and, until the expiration of these patents, no one could make inhalers like those shown in the references in an attractive and artistic form without paying tribute to those who, in the exercise of merely ordinary skill, had produced designs upon which they had secured patents.

In the case of *In re* Walter, 17 C. C. P. A. (Patents) 982, 39 F.(2d) 724, 396 O. G. 706, we said:

It should be remembered that the purpose of the law authorizing the grant of patents for designs was to give encouragement to the decorative arts, but it was not the purpose to grant a monopoly over a particular design, even if it presents a new and distinctive appearance, if its creation did not involve invention. The decorative arts would be retarded instead of advanced if one without the exercise of the inventive faculty, upon seeing a new article come into common use, could draft designs covering all attractive forms of the article and secure patents for them, thus preventing the use of the article by the public, except in its most unattractive form, unless tribute be paid to him who had secured the patents.

In designs the reward of a monopoly for a given period must be confined to those who have invented new, original and ornamental designs for articles of manufacture.

In my opinion, the above quoted language is particularly applicable to the case at bar.

It seems to me that, with the allowance of a patent for the design here involved, in view of the references, the tribunals of the Patent Office would correctly understand that it is the view of a majority of this court that a much more liberal policy should be followed in determining what is inventive in design cases than has heretofore been approved by this court in the case above cited.

The tribunals of the Patent Office concurred in finding that, in view of the cited prior art, appellant's design did not involve invention. Therefore the rule is applicable that concurring decisions of the Patent Office tribunals upon a question of fact will not be disturbed by us unless manifestly wrong. This is a rule that I had supposed was of general application, and I must assume that the majority of the court is of the opinion that the Patent Office tribunals were not only wrong, but manifestly so; I am unable to understand how such a conclusion is possible upon the record before us.

In my judgment, the decision of the Board of Appeals should be affirmed.

BLAND, *J.*, concurs in this dissent.

U. S. Court of Customs and Patent Appeals

IN RE WICKERSHAM

No. 3,421. Decided February 25, 1935

[75 F.(2d) 214]

PATENTABILITY—THRESHING MACHINES.

Certain claims for a threshing machine *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Baldwin & Wight and *Mr. Donald M. Eight* for Wickersham.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner, denying patentability, in view of the prior art, of claims numbered 21, 25, 26, 28, 29, 31, 37, 38, 40 and 41 of appellant's application for a patent for improvements in threshing machines.

The Primary Examiner allowed seven claims presented in appellant's application. The Board of Appeals allowed three additional claims. All of said allowed claims involved certain combinations of elements regarded as not shown in the prior art.

The application discloses a threshing machine which comprises a substantially rigid tubular structure and which, in the preferred form, comprises a tubular metallic shell, which shell serves as the housing and support for the threshing mechanism. The shell serves as the main frame of the machine. The motive power which moves the machine is connected directly to said shell. The threshing machine mechanism, including the housing and frame, is mounted in balanced position upon an axle, which axle contains ground-engaging wheels.

Claims 21 and 37 are illustrative and follow:

21. In a harvester-thresher a sole support and housing for threshing mechanism consisting of a single member.

37. In a threshing machine, a wheeled axle, a unitary sheet metal shell member constituting the sole frame of the machine, threshing mechanism mounted within and supported by said shell, and means for positioning the shell on the axle.

The references relied upon are: Kejr, 1,027,484, May 28, 1912; Richmond, 1,287,439, Dec. 10, 1918; Best, 410,307, Sept. 3, 1889; Winslow, 1,386,298, August 2, 1921.

In affirming the action of the Examiner the Board said:

Claims 21, 25, 26, 28, 29, 31, 37, 38, 40 and 41 [the claims at bar] appear to distinguish from the references relied upon by the Examiner only in constructing the casing in which the threshing mechanism is contained and the structure supporting such casing on the axles as a single element which will act as a combined support and housing, the parts being so arranged that they will be substantially balanced on a single axle. Such a reorganization of the structures disclosed in the references relied upon would not, we consider, be a matter of invention. Claim 28 includes the limitation that the housing is provided with an aperture in one side and a header communicating with the aperture. While the machine of Best is not shown in side elevation it would seem evident that the housing of the threshing mechanism must be provided with an aperture to cooperate with the harvester shown. To substitute a header for the harvester as shown by Best would not, we feel, be a matter of invention. We feel therefore that we must agree with the Examiner that these claims should not be allowed.

Appellant, under the heading "Question Before the Court", in his brief, states the issue presented as follows:

The question now before this court therefore is—Could the structures disclosed by the references be reorganized so as to produce the structure claimed by appellant wherein the separate main frame of the prior art is eliminated without eliminating its function—without the exercise of invention?

Appellant urges here that he—

"has eliminated the separate main frame required in the prior art threshers without eliminating its function, namely, the function of supporting the mechanism and mechanism housing and serving as the main frame of the entire machine. * * * In other words, appellant has eliminated one element of the old prior art combination (the heavy main frame), by making a new element (the combined threshing mechanism housing and main frame structure— serve the functions of two old elements. * * *."

From this premise appellant argues that the elimination of a part of a machine without eliminating its function may constitute invention and cites as supporting authority *Cumming* v. *Baker & Hamilton*, 144 Fed. 395; *Standard Envelope Sealer Mfg. Co.* v.

Graywood Mfg. Co., 1 F.(2d) 667; *Postage Meter Co. v. Standard Mailing Mach. Co.*, 9 F.(2d) 19; and *In re Albert C. Fischer*, 19 C. C. P. A. (Patents) 1219, 58 F.(2d) 1060, 422 O. G. 905.

The Solicitor for the Patent Office acknowledges the soundness of the principle of law (which seems to be well settled), pressed by appellant, but replies, in substance, that what appellant did was the obvious thing to do and that the above-contended-for rule of law must also be considered with another rule referred to by the Examiner to the effect that making in one integral piece what was previously made in two pieces fastened together does not constitute invention. In support of this position the Solicitor cites *Howard et al. v. Detroit Stove Works*, 150 U. S. 164, 65 O. G. 1765.

It seems to us that the proper decision of this case may be arrived at by the application of the two principles announced in the decisions heretofore cited. Strictly speaking, as will more clearly appear later, appellant has done more than to make in one integral piece what was previously made in two or more pieces fastened together. It is not denied that the claims at bar relate to a structure possessing novelty; that such a structure as is called for by the claims at bar is useful and is an improvement over the prior art. Appellant contends that by combining the threshing machine housing and the main frame into a unitary and substantially rigid shell-like structure, the heavy weight of the main frame of the prior art structures has been eliminated without the sacrifice of rigidity and strength. Appellant also urges that by eliminating the multiplicity of beams, struts and girders of the old art and by substituting his new structure with fewer parts, he has contributed to the art enormously in economy of production.

We think an examination of the prior art and appellant's disclosure is convincing that appellant's structure possesses the advantages over the prior art which he claims for it, and that, under the reasoning of the cases relied upon by appellant, it should not be held that the claims at bar lack inventive novelty over the prior art cited.

In *Cumming v. Baker & Hamilton*, supra, it was held that it involved invention to make the wind-pipe of a portable forge perform the double function of conveying the blast and supporting certain other parts, where, in the prior art the wind-pipe performed the single function of conveying the blast. The court said:

> Except in respect to such differences as may exist between the blower of the patent in suit and that patented to Cumming in 1884, the only new idea embodied in the patent in suit is the making of the wind-pipe of the plaintiff's forge serve the double purpose of conveying the blast and supporting certain other parts of which the forge is composed. No previous forge, so far as appears, ever made the wind-pipe perform that double function. That idea was therefore new, and it was useful, too; for it reduced the number of parts of a very useful device, thereby rendering easier and more rapid its separation for transportation, and the reassembling of its various parts for use. • • •

In *Standard Envelope Sealer Mfg. Co. v. Graywood Mfg. Co.*, supra, it was said:

> But this case falls under the principle that:
> "A reconstruction of a machine, so that a less number of parts will perform all the functions of the greater, may be invention of a high order."
>
> This, in my view, is exactly what Storck did. He discovered that heavy pressure from a mechanically applied device was no necessary or helpful factor in sealing envelopes. He omitted the presser plate device, so that the new machine, with the self-sealing stack adjacent to the moistening device, performed with a less number of parts all the functions of the old model machines. He put the whole sealing job upon the stack; whereas before it had been begun in the machine and completed in the stack.

The patent was held valid in the Postage Meter Co. case, supra, and in the decision the court said:

> • • • it cannot be questioned that simplicity is the result of the inventive faculty when it succeeds in dispensing with parts which have long been in use, and which were found to be cumbersome and unnecessary, • • •.

A question quite analogous to the one at bar was presented to this court in *In re* Albert C. Fischer, supra. There the applicant had omitted a part of the prior art structure, but in the new structure retained the function served by the old omitted part. In an opinion by Lenroot, Judge, we there said:

> It is well established that there is nothing inventive in omitting a part of a device and also the function of that part. *In re* Trester, 17 C. C. P. A. (Patents) 642, 30 F. (2d) 133; *In re* Fry, 19 C. C. P. A. (Patents) 825, 54 F. (2d) 433.
>
> It is equally well established that omitting a part of a device while retaining the functions of the part omitted may be invention. *Richards v. Chase Elevator Co.*, 159 U. S. 477.
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> • • • • • • •
>
> The question in the case at bar, in view of the foregoing authorities, is whether appellant's construction performs the functions that are performed by the device of Leach or whether the omission by appellant of the metal plate shown by Leach involved also the omission of the function performed by said plate.
>
> If the function performed by said plate is retained by appellant in his construction, then the further question arises as to whether the omission of said plate involves invention.
>
> • • • • • • •
>
> Leach shows an expansion joint composed of three members, each of different material. Appellant shows an expansion joint of a single material, performing all of the functions of the joint of Leach except the bending over of the top of the metal plate of Leach, which is not here involved. As heretofore observed, the principal function of the metal plate of Leach is to secure rigidity of his joint, and appellant has found that, by his construction, sufficient rigidity of the joint could be secured without the use of the metal plate. In other words, appellant omits a part shown by Leach, but, by means of a different construction, retains its principal function.
>
> The case is therefore differentiated from that of *In re* Trester, supra, and the question is whether appellant's construction, consisting of a single preformed plastic material, involves invention over the reference Leach.
>
> The tribunals of the Patent Office answered this question in the negative, but we are of the opinion that there is at least sufficient doubt of lack of patentability as to require the application of the rule that, in such a case, the doubt should be resolved in favor of the applicant.

We feel fully justified in saying that there is at least sufficient doubt on the question of patentability as to require the application of the well-known rule applicable to such cases, and that such doubt should be resolved in favor of the applicant.

It follows that the claims at bar should be allowed, and the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE FAUNCE

No. 3,414. Decided February 4, 1935

[75 F.(2d) 207]

1. PATENTABILITY—PROCESS OF MAKING REMEDIAL PRODUCT.

Claims for a process for preparing a remedial product, one step of which is mixing glycerine and bile, but which do not specify the proportions thereof *Held* unpatentable over the prior art.

2. SAME—REMEDIAL PRODUCT AND PROCESS OF MAKING SAME.

A remedial product for the treatment of infections, including as an element glycerine and bile in substantially equal proportions, and claims for the process of making the same having the same limitation *Held* patentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Royal R. Rommel for Faunce.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 10, 18, 21, and 23 to 27, inclusive, in appellant's application for a patent for an alleged invention relating to a medicinal preparation composed of animal bile and glycerine, and a process for making the same.

Claims 10, 21, and 24 are illustrative. They read:

> 10. Glyceride of bile consisting of glycerine and bile mixed in substantially equal proportions, the bile having pathogenic matter removed therefrom.
>
> 21. In the process of preparing a remedial product the steps which consist in adding glycerine to bile as a preservative, permitting them to stand for a period of substantially three months until the heavier constituents of the bile precipitate, and subsequently treating the glycerine and lighter constituents of the bile for the removal of pathogenic bacteria.
>
> 24. The process of preparing a remedial product which consists in mixing glycerine and bile in substantially equal proportions, permitting fermentation to take place without destroying the valuable cocci destroying constituents of the bile, and subsequently treating the mixture for removal of pathogenic bacterial growths.

The references are: Dustan, 64,649, May 14, 1867; Carpenter, 65,170, May 28, 1867; Rose, 137,624, April 8, 1873; Delkman, 307,748, November 11, 1884; Achard, 400,992, April 9, 1889; Wells, 1,385,195, July 19, 1921; Baron, 1,621,186, March 15, 1927.

Publications: The New Standard Formulary by Hiss & Ebert, 1920, page 199; Textbook of Bacteriology by Zinsser, pages 118 and 133; United States Dispensatory, 21st edition, pages 525 and 1421–2.

It appears from the record that appellant's medicinal preparation, known as glyceride of bile, is prepared by mixing bile and glycerine in substantially equal proportions. The mixture is permitted to stand for three months, in order that the heavier deposits may be precipitated, thus rendering the bile easier to be filtered for the removal of pathogenic matter. It appears that the glycerine, in such proportion, acts as a preservative of the medicinal properties of the bile.

Appellant states in his specification that—

> The bile and glycerine are mixed in substantially equal amounts; the glycerine preferably being added as a preservative for the bile to prevent deterioration thereof, while not interfering with the designated action thereof. An antiseptic could be used to preserve the bile, but would have an action in many cases detrimental to reconstruction of tissues, which must not be interfered with in the treatment of infections. The fresh bile and glycerine ($C_3H_5(OH)_3$) (U. S. P.) are allowed to stand for three months, in order that precipitation of the heavier deposits may take place, rendering the bile easier for filtering. Such deposits might be removed otherwise than—precipitation, such as by centrifugal action, but it is preferred to permit the same to stand for such length of time to accomplish this result. The bile liquid is then filtered through unglased porcelain filters, or asbestos filters, or any filters designed to achieve the result, that is, to remove live and dead bacteria; the dead bacterial cells being removed to obviate the creation of a vaccine or bacterin in the treatment of the patient, which might cause complicating symptoms; and the live bacterial cells being removed to prevent further infection of the tissues.

It further appears from appellant's specification that his product is used "for dissolving pus cells" and "relieving congestion," and that it is—

> "particularly well adapted for use in dental work, for infection, and • • • may be used under caps, or as a dressing for sockets after extraction to prevent the formation of pus."

It appears from an affidavit of appellant that if the glycerine is used in a minor proportion, the bile will decompose, and in a short time lose its identity; that if the glycerine is used in such proportion as to "appreciably" overbalance the bile constituent, it not only preserves the medicinal properties of the bile, but also certain pathogenic matter contained in it; and that such pathogenic matter must be destroyed in order to produce a safe pharmaceutical preparation. It further appears from the affidavit of appellant, and other exhibits of record, that appellant's product is new, useful, and of considerable merit.

The patent to Dustan relates to a liniment for use on animals for the "cure" of sprains, spavins, etc. The liniment is composed of—

> "Spirits of arnica, seven ounces; alcohol, fifteen ounces; beef gall, four ounces; camphor, two ounces; oil of origanum, two ounces."

The patent to Carpenter relates to a liniment for the "cure" of rheumatism and diseases of like character. Patentee's product is composed of—

> "Ox gall, one gallon; kerosene oil, one-half gallon; alcohol, one gallon."

The patent to Rose relates to a liniment for the treatment of rheumatic diseases, neuralgia, and headache. The liniment is composed of—

> "Eight ounces oil amber; four ounces tincture capsicum; eight ounces spirits turpentine; eight ounces laudanum; eight ounces beef-gall; eight ounces oil hemlock; eight ounces oil sassafras; four ounces tincture lobella; four ounces oil lemon; three quarts alcohol, ninety per cent."

The patent to Delkman relates to a liniment to be used in the treatment of rheumatism. The patentee used a mixture of—

> "alcohol, one quart; aqua ammonia, one pint; glycerine, one ounce; borax, one and a half ounces; chloroform, one ounce; ether, one and a half ounces; oil of sassafras, three ounces; beef's gall, eight ounces; soft water, one pint; sal-soda, one ounce; castile-soap, three pounds; oil of roses, one and a half ounces,"

and a small amount of alcohol.

The patent to Achard also relates to a liniment for the treatment of sore throat, rheumatism, sprains, bruises, etc. His liniment is composed of—

> "one gallon alcohol, one pound chloroform, six ounces ether, six ounces laudanum, six ounces gum-camphor, six ounces tincture arnica, two ounces tincture cayenne, three large beef-galls, four ounces fresh butter."

The patent to Wells relates to a remedy for hemorrhoids. His product is composed of ox bile and denatured alcohol. In his specification, the patentee states:

> • • • I add denatured alcohol in a proportion to equal in volume the volume of bile, the alcohol acting first as a thinner, and also as a solvent for a portion of the bile. However, I find that in these proportions, the alcohol will not dissolve all of the bile. The liquid is thoroughly stirred, a considerable froth resulting, which soon evaporates and disappears after the stirring operation ceases. Thus, it is my theory that bile and alcohol are not immiscible and that to a considerable extent, the bile not only goes into a solution but also chemically reacts in and forms with the alcohol a homogenous liquid. However, the amount of bile used, compared to the amount of alcohol, is in excess of the capacity of the latter as a

solvent, and this excess remains in suspension and settles to the bottom of the container after the latter stands for a short period. Of course, the bottle or container is quickly sealed after the mixture is formed to avoid evaporation.

In use, the bile acts as an astringent, in addition to its healing properties, thereby not only removing irritation and inflammation but also contracting the parts subjected to its action which in the case of hemorrhoids, serves to quickly remove the pain and obstruction attending stools.

The patent to Baron relates to a bowel evacuant. His product is composed, as stated by the patentee, of—

"glycerine, ox gall, and in its preferred form, a thickening material or agent, such as gelatine, agar-agar or similar substances, together with a liquid adapted to slightly thin the mixture to a semi-liquid or syrupy state."

The patentee further stated that in—

"the preferred form of my invention the glycerine is *present in a predominating quantity* and the thickening agent, ox gall and thinning agent in substantially equal proportions";

that the glycerine might vary—

"between 50% and 94%; the ox gall between 15% and 2%; the thickening agent between 10% and 2%; and the thinning agent between 25% and 2%." [Italics ours.]

The disclosures contained in the New Standard Formulary by Hiss and Ebert, page 199, and the Textbook of Bacteriology by Zinsser, pp. 118 and 133, are set forth in the decision of the Board of Appeals, wherein it was stated that—

The Examiner rejected the claims as lacking invention over the Formulary references in view of the patents cited. Page 199 of the Standard Formulary discloses a glycerite of ox-gall having the following composition:

Inspissated ox-gall	av. oz. 3
Glycerin	fl. oz. 2
Salicylic acid	gr. 15
Water to make	fl. oz. 6

The ox-gall in this preparation contains bile. Appellant's specification states that he obtains his bile preferably from some animal as the steer.

The Baron patent discloses a medical preparation consisting of glycerine, ox-gall, water, and gelatine. The patent states that the gelatine is used as a thickening agent and that the glycerine may vary between 50% and 94%. The remaining patents show that it is common to use bile in various medical preparations that may be used as pus solvents.

The Examiner finally rejected the claims as lacking invention over the Formula in the Textbook of Bacteriology, page 133, reading as follows:

Ox bile	900 c. c.
Glycerine	100 c. c.
Peptone	20 gms.

The Examiner held that the omission of the peptone in this formula and variations in the proportions of the ingredients would not involve invention. The Examiner notes that the steps of allowing the mixture to stand and then filtering it to remove the precipitate are old and well known steps in the art, as disclosed on page 118 of the Textbook of Bacteriology.

The brief of appellant and the contentions made therein have been carefully considered without finding reversible error in the Examiner's action. Concerning the step of "permitting fermentation" contained in claims 23 and 24, the Examiner's holding that if fermentation takes place in applicant's composition it would also take place in the compositions of the references, appears to be sound.

The publication "United States Dispensatory, 21st edition, pages 525 and 1421–2," was not discussed in the decisions of the tribunals of the Patent Office, and, in our opinion, is not of sufficient importance to warrant a statement regarding the disclosures contained therein.

It is argued by counsel for appellant that the references do not disclose a mixture consisting of glycerine and bile, only; that they do not suggest the mixing of such substances in substantially equal proportions, or the removal of pathogenic matter from the bile; that appellant's mixture of glycerine and bile in such proportions is critical; and that the product, and the process of making it, is not only new and useful, but involves invention.

[1] It may be observed that claims 21, 23, and 26 do not call for a mixture of glycerine and bile in substantially equal proportions, and, therefore, do not define appellant's real invention.

We are of opinion, as held by the tribunals of the Patent Office, that those claims, in view of the references of record, do not involve invention, and are not patentable.

[2] Each of the other appealed claims, however, calls for the use of glycerine and bile in substantially equal proportions, and the removal of pathogenic matter from the bile. Our understanding of the language "substantially equal proportions" is that although the proportions of the ingredients may vary slightly, neither will appreciably predominate.

We think it is evident that the references of record neither singly, nor in combination, anticipate appellant's process or his resultant product. Appellant has produced a new medicinal preparation, having new and valuable characteristics. Accordingly, we are constrained to disagree with the holding of the tribunals of the Patent Office that, in view of the references of record, appellant's product and process would be obvious to one skilled in the art.

It is argued by the Solicitor for the Patent Office that the Board of Appeals held that, in view of the disclosure in the Textbook of Bacteriology by Zinsser of a bile medium for blood culture, composed of bile, 900 c. c., glycerine, 100 c. c., and peptone, 20 gms., appellant had done nothing more than to omit peptone, and change the proportions of bile and glycerine, and that such modifications did not involve invention.

The answer to that proposition is that the "bile medium," referred to, is used as a blood culture; whereas, appellant's product is a new and useful remedial medicinal preparation, differing in kind and character from the products disclosed or suggested by the references, and its production, obviously, required something more than the omission of peptone and its function, and the mere variation of the proportions of the bile and glycerine ingredients.

The use of appellant's glyceride of bile in a dentifrice is discussed by us in *In re Faunce*, Patent Appeal No. 3,415, 22 C. C. P. A. (Patents) ———, ——— F.(2d) ———, decided concurrently herewith.

For the reasons stated, the decision of the Board of Appeals is affirmed as to claims 21, 23, and 26, and reversed as to claims 10, 18, 24, 25, and 27.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE CLEWELL

No. 3,404. Decided February 4, 1935

[74 F.(2d) 1001]

PATENTABILITY — ACTINIC-PROOF REENFORCED GLASS STRUCTURE—SUBSTITUTION OF MATERIAL.

Claims for an actinic-proof reenforced glass structure *Held* unpatentable over the prior art since applicant had merely substituted the improved plastic material of the K. patent for the plastic material described in the B. patent to be interposed between two sheets of glass.

APPEAL from the Patent Office. Affirmed.

Mr. Harold A. Kingsbury and *Mr. Chester H. Biesterfeld* for Clewell.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

There are here upon appeal ten claims (being all the claims), numbered, respectively, 1 to 10, of an application for patent relating to non-discoloring safety glass. The rejection by the Examiner of the United States Patent Office was based upon prior art, and his decision was affirmed upon that ground by the Board of Appeals, as more particularly hereinafter stated.

Claims 1 and 6 are regarded as fairly representative:

1. As an article of manufacture an actinism-proof reenforced glass structure comprising a sheet of glass and a layer of carbohydrate-compound plastic containing a sufficient proportion of a light-proofing plastifying agent to render the plastic substantially unaffected by actinic light.

6. As an article of manufacture a reenforced glass structure comprising a pair of glasses with a layer of pyroxylin plastic interposed therebetween and united thereto, said plastic containing not more than 12% of camphor.

The references cited are: Benedictus, 1,128,094, February 9, 1915; Benedictus, 1,182,739, May 9, 1916; Kessler, 1,456,782, May 29, 1923.

While several of the claims like No. 1, supra, do not define in express terms a construction composed of a pair of glasses with a plastic layer interposed therebetween, such as is described in claim No. 6, supra, but would seem to be met by a single sheet of glass having such a layer imposed upon it, the argument before us proceeded wholly upon the assumption that all the claims should be construed as requiring two sheets of glass united by an interposed layer of plastic material. Such we understand from the record is the practice in the art of producing what is called safety or non-shatterable glass, one of whose common uses is for windshields for motor vehicles, and it is a construction of this type which is specifically defined in appellant's specification.

Specifically, the invention which appellant claims to have made is that of a safety glass, the pyroxylin layer of which, in the language of the specification, is "* * * not subject to deterioration by the sunlight, i. e. 'actinismproof'."

After explaining that the problem of producing such glass has been approached heretofore,

"as by the use of sheets of glass which are themselves non-actinic, and, so, will protect the central plastic sheet,"

appellant's specification recites:

I have found that the discoloration of the cellulose ester plastic is, to no small extent, due to the use in the plastic of plasticizers and solvents which either themselves discolor, or have a catalytic action on the cellulose ester causing it to decompose and discolor, or have both of these objectionable qualities at the same time. In particular, I have found camphor a major offender in the respects noted; and, as is well-known, camphor is a usual and standard ingredient of cellulose ester plastics as generally produced, about 25% of this ingredient being generally present.

The specification then recites the substitution for all, or a portion of, the camphor, commonly used as an ingredient in plastic materials, of other plasticizing agents, naming amyl acetate and triacetin.

The argument on behalf of appellant is that, while others had sought to prevent discoloration by shielding the plasticizer with non-actinic glass, he discovered that a solution lies in using a plasticizer itself rendered immune to actinic action by the elimination of all, or a part of, the camphor used as a plasticizer ingredient.

The patent to Kessler is for a cellulose-ester composition. Its specification recites that the patentee had experimented to find softeners or camphor substitutes for such compositions, and sets forth, in detail, certain experiments made, particularly with glyceryl triacetate. It is not disputed that he teaches the use of triacetin as a substitute for camphor in pyroxylin plastics and also that a limited amount of camphor may be employed in addition to the triacetin. Also, the specification recites that a liquid coating composition may be made from the plastics which he describes by adding sufficient solvent, "for example methyl-alcohol and an alkyl acetate, such as ethyl or amyl acetate."

Kessler does not recite any specific use or uses of his product, but there is a claim of an increase in stability of the organic substance for cellulose esters, and while he teaches nothing with respect to its being "actinismproof" there appears to be no question but that this is one of its inherent properties.

Patent No. 1,182,739 to Benedictus discloses a manufacture of "Strengthened Glass" comprising two sheets of glass with an interposed gelatin sheet or two films of gelatin separated by a film of celluloid. The Benedictus patent, No. 1,128,094, discloses a safety glass composed of two sheets of glass with a sheet of celluloid interposed therebetween. This patent also teaches the immersion of the celluloid in a solvent such as amyl acetate.

We do not understand it to have been the view of the Board of Appeals that the use of the amyl acetate taught by Benedictus, as recited, of itself constitutes an anticipation of appellant's method of substitution, since Benedictus apparently applied it, as is suggested in appellant's brief, to a celluloid probably containing 25% camphor, merely to soften the celluloid and not as a substitute for the camphor or for any part thereof.

But the Board did hold that there was no invention in substituting the Kessler product for the celluloid of Benedictus, saying:

If Kessler's material were used in lieu of the celluloid sheet of the patent to Benedictus No. 1,182,739, the claims would be met.

In the final analysis the sole question before us is whether such holding by the Board of Appeals is erroneous, and it seems quite clear to us that it is not.

Benedictus taught the making of a strengthened article by interposing a certain type of plastic material between two sheets of glass; Kessler taught the making of an improvement in such plastic material; appellant takes the improved material and uses it in lieu of that used by Benedictus. Nothing inventive over Kessler's teachings with reference to the material itself is claimed by appellant, nor any-

thing inventive over Benedictus in the glass parts or in the manner of uniting them.

It seems to us that the facts of this case distinguish it from the cases cited as authorities on appellant's behalf, where under certain circumstances substitution of materials was held to involve invention. We can discern nothing in this case which would justify a holding that there is here presented an application that does not full within the general rule followed by this court, with citation of pertinent authorities, in the cases of *In re Otto R. Schoenwerk*, 19 C. C. P. A. (Patents) 1268, 59 F.(2d) 235, 424 O. G. 329, and *In re Fischer*, 20 C. C. P. A. (Patents) 708, 62 F.(2d) 96, 427 O. G. 261.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ROBERTSHAW

No. 3,361. Decided February 4, 1935

[75 F.(2d) 203]

COURT OF CUSTOMS AND PATENT APPEALS—APPEAL—REMAND.

After an appeal to the Court of Customs and Patent Appeals had been duly perfected, appellant filed a petition joined in by the Commissioner of Patents that the cause be remanded to the Patent Office without reversal, affirmance, or modification on the ground that after the appeal was taken an interference with appellant's application had been instituted in the Patent Office, *Held* that the petition must be denied since a request for remand could have been made only by the proper Patent Office tribunal with such a statement of reasons for the request as was pertinent and proper.

Messrs. Byrnes, Stebbins & Blenko, Mr. William H. Webb, and *Mr. William H. Parmelee* for Robertshaw.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

The immediate question here involved grows out of a petition for remand of the above styled case to the Patent Office, as hereinafter set forth.

An application for patent by appellant, relating to improvement in valves, was finally rejected, for lack of invention over prior art cited, by the Primary Examiner of the United States Patent Office on July 24, 1933. Appeal was duly taken to the Board of Appeals and on June 21, 1934, the latter tribunal affirmed the action of the Examiner.

Thereafter appeal was taken to this court and a certified transcript of the record was duly filed with the clerk of the court on September 21, 1934. On October 20, 1934, for satisfactory reasons, the court granted a motion of appellant for a sixty-day extension of time for printing the record. Later, the court, of its own motion, entered an order giving an additional extension.

On November 12, 1934, a petition was filed on behalf of appellant, seeking a remand and return of the cause "and the transcript of record filed herein" to the United States Patent Office. At the end of this petition there was a "joinder" on the part of the Commissioner of Patents, the same being signed by the Solicitor for the Patent Office. We here quote the texts of the petition and "joinder":

PETITION TO REMAND

To the Honorable, the Judges of said Court:

Your petitioner, GEORGE A. ROBERTSHAW, appellant in the above-entitled case, respectfully represents that:

1. The application for Letters Patent involved in this appeal was duly filed in the United States Patent Office on September 17, 1926 and was thereafter duly prosecuted before the Primary Examiner in Division 39. After prosecuting this case before the Primary Examiner from September 17, 1926 until July 24, 1933, this application was finally rejected by the Primary Examiner on the latter date. Thereafter on January 20, 1934 an appeal was duly taken to the Board of Appeals of the United States Patent Office which, on June 21, 1934, denied applicant's request for a patent and affirmed the action of the Primary Examiner. Thereafter this appeal to this Honorable Court was duly taken, which appeal is now pending before it and remains unheard by said court.

2. On September 25, 1934, United States Letters Patent No. 1,974,975 were issued by the United States Patent Office to Louis Stein and Walter C. Peters on an application therefor filed September 30, 1932. This patent relates to exactly the same subject matter as the application involved in this appeal; both applicants were claiming exactly the same subject matter; and the applications were copending in the Patent Office. An interference should have been but was not declared by the Patent Office between these two applications during their pendency in the Patent Office.

3. Since the discovery by petitioner of this error on the part of the United States Patent Office, appropriate steps have been taken by the petitioner in order to obtain an adjudication of the question of priority as between petitioner and the patentees of the aforesaid patent. On November 7, 1934, the United States Patent Office in accordance with the statutes and rules in such cases made and provided, declared an interference between petitioner's application Serial No. 136,039, the application involved in this appeal to this court, and said Stein et al. Patent No. 1,974,975, said interference being identified as No. 69,678. A correct copy of the declaration of the aforesaid interference is attached hereto and marked "Exhibit A."

4. It is essential that this cause and the transcript of record filed herein be remanded and returned to the United States Patent Office to the end that full and appropriate proceedings may be had in the United States Patent Office in accordance with the statutes and rules in such cases made and provided. As appears from paragraphs 2 and 3 of page 2 of "Exhibit A" attached hereto consideration de novo will be given this application including the claims now pending before this court.

Wherefor your petitioner prays that this cause and the transcript of record filed herein be remanded and returned to the United States Patent Office for further proceedings in accordance with the statutes and rules in such cases made and provided.

JOINDER

The Commissioner of Patents hereby joins in the foregoing petition to remand and return this cause and the transcript of record therein to the United States Patent Office for further proceedings.

Affidavit in support of the petition was made by one of the attorneys for appellant.

It is noted from the transcript of record, filed in the appeal to this court, that appellant gave the notice of appeal to the Commissioner of Patents on August 7, 1934, and, in a brief in support of the petition to remand, the statement is made that the decision of the Board of Appeals sustaining the right of Stein and Peters to patent was rendered on that same day. The patent in fact issued under date of September 25, 1934, according to the petition. The petition does not state the date upon which notice of the patent was first brought to appellant's attention, but it does allege that "this patent relates to exactly the same subject matter" as appellant's application; that since the application of appellant and that of Stein and Peters were copending, an interference should have been declared, and that, following discovery of this situation, appellant took appropriate steps "to obtain an adjudication of the question of priority" between the parties.

The exact nature of the steps taken is not revealed by the record, but apparently the procedure comprised, at least in part, the copying of two claims

from the patent into appellant's application and requesting an interference. These were claims 1 and 2 of the patent and they became claims numbered 38 and 39, respectively, in appellant's application. The interference so sought was declared, apparently on November 7, 1934.

As Exhibit A to the petition for remand, there was filed what purports to be a copy of the interference so declared. It sets forth two counts numbered 1 and 2, respectively, they being in the identical language of claims 1 and 2 of the patent.

These two counts, however, are not in the specific language of any of the claims involved in the appeal and no one of the appealed claims is embraced in the interference. It should be said that the appeal involves only three claims. These are numbered 33, 34 and 35, respectively. At one period during the prosecution of the case in the Patent Office two other claims numbered 36 and 37, respectively, apparently were presented, but these had been, in some way, eliminated prior to the final decision of the Examiner.

For the purposes of the question now before us, it will be assumed by us that the procedure above related was in conformity with the Patent Office practice and that, although the appeal to this court as to certain claims had been taken, the application of appellant still remained in the Patent Office in such position as that he was entitled to proceed as he did proceed.

We deem it of importance to note just here that the petition for remand does not set forth the taking of any action by appellant, in the Patent Office itself, looking toward a *reconsideration* by the tribunals of that office of the claims involved in the appeal. It may be assumed that it was the view of appellant that since the appeal to this court had been perfected, before he had any notice of the patent, nothing further concerning the appealed claims could be done in the Patent Office, unless they were remanded without any decision upon the merits by this court.

However this may be, it is sufficient at this point to say that the only specific action sought of the Patent Office (other than possibly the securing of the joinder by the Commissioner in the petition for remand) was the declaration of the interference which did not relate specifically to the appealed claims, and this action was taken.

In view of the apparent novelty of the question presented by the petition for remand, this court requested counsel for petitioner to furnish brief with any authorities available "in support of the right of the court to remand without a reversal, affirmance, or modification" of the decision of the Board of Appeals.

Counsel has favored us by so doing. The only authority cited which relates specifically to procedure in appeals to the courts from decisions of the tribunals of the Patent Office is the case of *Podlesak* v. *McInnerney*, 1906 C. D. 558; 26 App. D. C. 399. The Solicitor for the Patent Office appended a statement to the brief supplied by attorneys for petitioner, in which he stated his agreement therewith, "particularly in view of" the said *Podlesak* case, supra.

We note that while in the said case, the Court of Appeals of the District of Columbia, obviously upon its own motion, did remand the cause (an interference proceeding) for certain specific reasons without a formal declaration of reversal, nevertheless it stated in the body of the opinion, " * * * we consider that an error has been committed in this case * * * ."

It is our view that while the *Podlesak* case, supra, constitutes a precedent for remanding a case to the Patent Office, under certain circumstances, without any formal reversal, affirmation or modification of the decision on appeal, the facts of the instant case do not justify the application of the rule there followed.

It may be pointed out that this court, in the case of *In re Benjamin Greenfield*, 17 C. C. P. A. (Patents) 1217, 40 F.(2d) 775, 400 O. G. 226, of its own motion, remanded certain claims for consideration *de novo*, but there was an express reversal of the decision of the Board of Appeals as to such claims for reasons specifically pointed out in our opinion. The course followed in the *Greenfield* case, supra, has no applicability here.

The brief on behalf of petitioner presents the view that there is an analogy between the situation here and that respecting cases wherein a hearing has been had before a United States District Court and a final decree entered and an appeal to the Circuit Court of Appeals, and during the pendency of the appeal, and before determination thereof, a rehearing or review is desired "because of some error of law apparent on the face of the record or because of new matter or newly discovered evidence."

Specifically, the brief says:

The present case is more closely analogous to those cases wherein a rehearing is desired before the District Court while the appeal to the Circuit Court of Appeals is still pending but remains undecided, for [because] the request for a declaration of the interference between appellant's application and the Stein et al. patent is akin to a petition for rehearing based on new matter or error of law apparent on the face of the record. The decision of the Board of Appeals of the Patent Office denying appellant's right to a patent was rendered on June 21, 1934 and this decision could not be said to be final so as to be not subject to rehearing until after the expiration of six months from June 21, 1934.

In illustration of the practice in United States District and Appellate Courts, there are cited numerous authorities, including the cases of *Roemer* v. *Simon et al.*, 91 U. S. 149, recently approved by the Supreme Court in *Realty Acceptance Corp.* v. *Montgomery*, 284 U. S. 547, 551; *Cimiotti Unhairing Co.* v. *American Unhairing Mach. Co.* and *Cimiotti Unhairing Mach. Co.* v. *Mischke*, 99 Fed. 1003 (vide also 108 Fed. 82); *Baltimore S. S. Co. et al.* v. *Phillips*, 9 F.(2d) 902 (C. C. A. 2); *Wagner et al.* v. *Meccano, Limited*, 235 Fed. 890 (C. C. A. 6); *Harper Bros. et al.* v. *Klaw et al.*, 272 Fed. 894 (C. C. A. 2); *Nutter et al.* v. *Mossberg et al.*, 118 Fed. 168; *Greene et al.* v. *United Shoe Machinery Co.*, 124 Fed. 961 (C. C. A. 1); *Mutual Life Ins. Co. of New York* v. *Lipp*, 28 F.(2d) 863 (C. C. A. 9) and *Jensen et al.* v. *New York Life Ins. Co.*, 50 F.(2d) 512 (C. C. A. 8).

The foregoing list of authorities is here given because of our thought that the question presented is one which may be of moment to all those interested in patent procedure. It is not necessary here to review the cases in detail, nor to quote elaborately from the opinions. The principle announced in the leading case, that of *Roemer* v. *Simon et al.*, supra, and, as stated, recently reaffirmed by the Supreme Court in the *Realty Acceptance Corp.* case, supra, has been consistently followed practically without modification, in all the subsequent cases cited.

In the *Roemer* v. *Simon et al.* case, supra, the situation was that a final decree had been rendered (in 1874) by the United States Circuit Court for the District of New Jersey, dismissing the bill of complaint and an appeal taken to the Supreme Court. During the pendency of this appeal there was presented on behalf of appellant a petition and affidavit, stating, in substance, that new and material evidence, previously unknown to him, had been discovered after the appeal, and motion was made that leave be granted the appellant to give appellees the requisite notice of a further motion for a rule requiring them to show cause why the Supreme Court should not remit the record to the court below for a rehearing of the cause.

In denying the motion, Mr. Chief Justice WAITE said:

> It is clear, that, after an appeal in equity to this court, we cannot, upon motion, set aside a decree of the court below, and grant a rehearing. We can only affirm, reverse, or modify the decree appealed from, and that upon the hearing of the cause. No new evidence can be received here. Rev. Stat. sec. 698. The court below cannot grant a rehearing after the term at which the final decree was rendered. Equity Rule, 88. It would be useless to remand this cause, therefore, as the term at which the decree was rendered has passed. If the term still continued, the proper practice would be to make application to the court below for a rehearing, and have that court send to us a request for a return of the record, in order that it might proceed further with the cause. Should such a request be made, we might, in a proper case and under proper restrictions, make the necessary order; but we cannot make such an order on the application of the parties. The court below alone can make the request of us. The application of the parties must be addressed to that court, and not to us.

Assuming, without deciding, that there is such an analogy between the procedure with respect to patents, where matters are appealed to this court, and the procedure in the District and Appellate Courts of the United States, as that the practice in the latter may be and should be applied in the former, it seems proper to point out that the practice stated to be proper in the *Roemer* v. *Simon* case, supra, was not followed by appellant here.

Appellant here comes directly to this court (which, except where procedure is had under section 4915, Revised Statutes, is, under the authorities, the tribunal of final jurisdiction over appeals from the Patent Office) with a petition for remand.

It would seem that his course should have been to make the proper application to the proper tribunal of the Patent Office (and we do not undertake here to say which would be the proper tribunal) and have that tribunal alone send to us a request for a return of the record with such a statement of reasons for the request as were pertinent and proper.

We do not overlook the fact that the Commissioner of Patents joined in appellant's petition in the manner already set forth, but neither may we overlook the further fact that there is no statement by the Commissioner which concedes error of either law or fact, or even states any belief that error may have been committed. We do not find any statement by the Commissioner indicating any desire or purpose that the appealed claims shall be reconsidered by the tribunals of the Patent Office.

It is true that the copy of the Declaration of Interference, filed as Exhibit A to the petition, contains the following statements:

> After termination of the interference this application will be held for restriction and revision under rule 90.
> Claims 33 to 37 will be held subject to rejection as unpatentable over the issue in the event of an award of priority adverse to applicant.

and that, alluding to the foregoing statements, the petition says:

> As appears from paragraphs 2 and 3 of page 2 of "Exhibit A" attached hereto consideration de novo will be given this application including the claims now pending before this court.

Except for whatever implication might arise from the joinder by the Commissioner in a petition containing such averment, we are unable to concur in the suggestion that such is the purpose. We do not deduce from the quoted statements themselves that there is any purpose of reconsideration by the tribunals of the Patent Office of the appealed claims.

The normal construction of the statements, it seems to us, is that the application, with only such of its claims as are now in the Patent Office will be held for revision, and that the appealed claims, now standing rejected upon prior art, eventually will be also subject to rejection as unpatentable over the interference issue, should priority be awarded adverse to appellant. In other words, even if this court should reverse the decision of the Board of Appeals in the *ex parte* case, and hold the claims patentable over the cited art, they still will be subject to rejection over the issue of the interference should appellant lose on the issue of priority. However, should appellant be awarded priority in the interference proceeding and should this court in a hearing upon the merits hold the appealed claims patentable, appellant presumably will then receive patent both upon those claims which are in interference and those upon appeal.

In any event, we are unable to construe the petition obviously prepared wholly by a party—indeed the only party, since it is an *ex parte* case—and merely joined in by the Commissioner, as constituting a request, such as brings the case within the rule of "proper practice" announced by the court in the *Roemer* v. *Simon* case, supra. Under the rule of that case (still assuming, without holding, that it is applicable in patent practice)—

> "we cannot make such an order [of remand] on the application of the *parties*. The court [here the proper tribunal of the Patent Office] below alone can make the request of us." [Italics ours.]

It may be further observed that it is not seen how appellant's legal rights are in anywise jeopardized by a declination to remand the case, nor indeed how they would be promoted or protected by such remand. The case is before us *ex parte* and may be heard and disposed of upon its merits without prejudice to the interference proceeding and the Commissioner of Patents makes no statement as to either facts or law indicating that determination of the interference proceeding is in anywise dependent upon having the appealed claims returned, or that they might be placed in the interference if returned.

In the cases of *In re McPherson*, 20 C. C. P. A. (Patents) 1022, 64 F.(2d) 364, 433 O. G. 514, and *In re Schaeffer*, 20 C. C. P. A. (Patents) 1208, 65 F.(2d) 474, 435 O. G. 496, we held that, even assuming, without deciding, our authority to remand, the reasons then presented did not justify such a course. The same is true here, but because the matter has been here presented in a new and more formal way, we have felt constrained to discuss certain phases of the question at greater length than at any time heretofore.

The petition for remand is denied.

Patent Suits

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922)

1,108,236, H. M. Reynolds, Roofing shingle, D. C., N. D. Ohio, E. Div., Doc. 3422, *The Patent & Licensing Corp.* v. *Weaver Wall Co.* Claims 1 and 2 held not infringed. Bill dismissed May 15, 1935.

1,115,866, H. M. Reynolds, Roofing shingle, D. C., N. D. Ohio, E. Div., Doc. 3701, *The Patent & Licensing Corp.* v. *Weaver Wall Co. et al.* Claims 1 and 2 held void. Bill dismissed May 15, 1935.

1,131,363, J. C. Garrett, Voting machine, D. C., S. D. N. Y., Doc. E. 65/374. *American Voting Machine Corp. et al* v. *The City of New York et al.* Dismissed on the merits (notice May 15, 1935).

1,150,298, F. C. Overbury, Shingle strip, D. C., N. D. Ohio, E. Div., Doc. 3697, *The Patent & Licensing Corp.* v. *Weaver Wall Co. et al.* Patent held valid and infringed May 15, 1935.

1,194,752, T. H. Krueger, Moistening device for gummed stickers or labels; 1,567,655, 1,638,815, same, Tape serving device, 1,638,816, same, Tape serving device with inclined guide, D. C., S. D. Ohio, W. Div., Doc. E 165, *Better Packages, Inc.*, v. *Package Service Corp. et al.* Claims 26, 30 and 37 of 1,567,655; claims 8, 9, 10, 11, 13, 19, 20 and 28 of 1,638,815, and claims 1, 3, 7, 8 and 9 of 1,638,816 held valid and infringed. Claim 28 of 1,567,655, and claims 22, 24, 26 and 27 of 1,638,815 held invalid April 25, 1929.

1,213,695, J. B. Scutti, Cloth covered buckle, D. C., S. D. N. Y., Doc. E 63/12, *Liberty Die & Button Mould Co., Inc.* v. *J. Rabinowitz.* Consent order of discontinuance (notice May 13, 1935).

1,245,647, L. Weinstein, Wear-plate for the soles of shoes, D. C., N. D. Ill., E. Div., Doc. 11,145, *L. Weinstein (Security Shoe Supply Co.)* v. *B. L. Marder Co. et al.* Dismissed without prejudice April 16, 1935.

1,260,766, E. J. Granger, Folding and plaiting machine, D. C. Mass., Doc. E 3919, *E. J. Granger* v. *L. Spero (N. E. Doll & Novelty Co.).* Consent decree dismissing bill Oct. 29, 1934.

1,262,860, F. B. Smith, Incubator, D. C. Mo. (Kansas City), Doc. 2682, *S. B. Smith* v. *F. Boehm.* Judgment for plaintiff May 23, 1935. Same, D. C. Minn., 4th Div., Doc. E 2723, *S. B. Smith* v. *L. W. Street.* Claim 1 held valid and infringed May 17, 1935. Same, filed April 2, 1935, D. C., S. D. Iowa (Des Moines), Doc. E 4564, *S. B. Smith* v. *H. Young.* Same, filed Apr. 4, 1935, D. C., S. D. Iowa (Des Moines), Doc. E 4567, *S. B. Smith* v. *F. L. Ryan.*

1,344,223, G. H. Davis, Shelf facing, filed May 21, 1935. D. C., N. D. Ill., E. Div., Doc. 14,555, *F. M. Zimmerman* v. *The Royal Blue Stores, Inc.*

1,359,880, C. Dunn, Self filling fountain pen, filed May 21, 1935, D. C., S. D. N. Y., Doc. E 80/248, *M. B. Swanholm* v. *Gimbel Bros., Inc.*

1,386,949, F. E. Rice, Tap attaching device, D. C., N. D. Ohio, E. Div., Doc. E 4801, *American Tap Bush Co.* v. *Fanner Mfg. Co.* Dismissed without prejudice Apr. 30, 1935.

1,410,499, A. Pacz, Metal and its manufacture, D. C., S. D. Calif. (Los Angeles), Doc. E Y–78–M, *General Electric Co.* v. *T. Anraqu (Tokyo Lamp Co.).* Doc. E Z–46–M, *General Electric Co.* v. *International Lamp Co., Inc.* Doc. E Z–75–C, *General Electric Co.* v. *Pacific Importing Co. et al.* Claims 25, 26 and 27 held valid and infringed May 14, 1935, in each of above cases.

1,505,624, R. R. Candee, Bailer bottom, D. C., S. D. Calif. (Los Angeles), Doc. E 312–C, *R. R. Candee et al.* v. *Shull Perforating Co., Ltd.* Patent held valid April 8, 1935.

1,516,932, L. Staab, Note book with exchangeable leaves, filed May 11, 1935, D. C., N. D. Ill., E. Div., Doc. 14,535, *La Reliure Spirale Societe* v. *F. Amato (Spiral Binding Co.).*

1,526,082, E. W. Hill, Stencil sheet, filed May 16, 1935, D. C., E. D. Mich. (Detroit), Doc. 6996, *A. B. Dick Co.* v. *C. H. Eddy (Stain-Go Laboratories).*

1,537,564, E. B. Symons, Gyratory cone crusher, D. C., E. D. Wis. (Milwaukee), Doc. 3397, *Nordberg Mfg. Co.* v. *Smith Engineering Works.* Claims 2 and 7 held valid and infringed May 18, 1935.

1,544,012. (See Re. 17,887.)

1,547,388, J. Harris, Blow pipe, filed May 13, 1935, D. C., W. D. Pa., Doc. E 3073, *The Harris Calorific Co.* v. *D. A. Marra (National Torch Tip & Machine Co.).*

1,555,628, A. M. Brenne, Friction shock absorbing mechanism, filed May 15, 1935, D. C., N. D. Ill., E. Div., Doc. 14,545, *W. H. Miner, Inc.* v. *Peerless Equipment Co.*

1,562,269, G. L. Williams, Process for tempering light alloys, filed April 29, 1935, D. C., N. D. Ill., E. Div., Doc. 14,437, *G. L. Williams* v. *Aluminum Co. of America.*

1,567,655. (See 1,194,752.)

1,569,753, L. C. Hutchinson, Electric switch lock, D. C., S. D. Calif. (Los Angeles), Doc. E Z–84–J, *H. L. Sandberg et al.* v. *Electric Equipment Co.* Dismissed with prejudice May 10, 1935.

1,569,823, F. Maccarone, Shoe structure, D. C., E. D. N. Y., Doc. E 7349. *F. Maccarone et al.* v. *Pincus & Tobias, Inc.* Decree for defendant dismissing bill May 20, 1935.

1,578,725, I. M. Hackney, Acetylene generator, D. C., N. D. Ill., E. Div., Doc. 11,613, *F. Hackney* v. *Imperial Brass Mfg. Co.* Claims 3, 4, and 8 held valid and infringed July 22, 1933. Decree affirmed Apr. 3, 1935.

1,582,434, A. Simons, Apparatus for drawing wire, D. C., S. D. N. Y., Doc. E 63/246. *Master Wire Die Corp.* v. *Union Wire Die Corp. et al.* Consent and order of discontinuance (notice May 13, 1935).

1,593,791, C. G. Butler, Lubricating apparatus, D. C., N. Dak. (Fargo), Doc. E 519, *Stewart-Warner Co.* v. *Jiffy Lubricator Co.* Claim 1 held valid but not infringed. Supplemental bills dismissed Mar. 18, 1935.

1,604,339, H. A. Cumfer, Roofing element and roof made thereof, D. C., N. D. Ohio, E. Div., Doc. 3423, *The Patent & Licensing Corp.* v. *Weaver Wall Co.* Claims 7 to 15 incl. held invalid for lack of invention; bill dismissed May 15, 1935.

1,608,622, Schmidt & Lee, Process for preventing the dissolution of iron and steel in sulphuric acid and pickling baths, filed May 25, 1935, D. C., N. D. Ohio, E. Div., Doc. 5226, *American Chemical Paint Co.* v. *Firestone Steel Products Co.*

1,610,567, Marsh & Cochran, Annealing of sheet steel, D. C., N. D. Ohio, E. Div., Doc. E 3337, *The Surface Combustion Co., Inc.* v. *Newton Steel Co. et al.* Bill dismissed, injunction and order of injunction vacated; counter-claim for Re. 17,413, A. T. Kathner, Annealing and heat-treating furnace, and 1,725,398, same, Metal-treating furnace, dismissed April 6, 1935.

1,638,815. (See 1,194,752.) 1,638,816. (See 1,194,752.)

1,652,910, L. W. Hottel, Means for forming plastic articles, D. C., S. D. Calif. (Los Angeles), Doc. E 70–C, *The Richardson Co. et al. v. Standard Battery Box Mfg. Co., Ltd.* Dismissed without prejudice Jan. 28, 1935.

1,666,873, A. C. Durdin, Jr., Duplex pumping apparatus, D. C., N. D. Ill., E. Div., Doc. 10,446, *Chicago Pump Co. v. Weil Pump Co.* Dismissed for want of equity April 5, 1935.

1,669,888, P. F. Wollenweber, Ignition device; 1,735,112, C. F. Gilchrist, Switch, appeal filed April 22, 1935, C. C. A., 2d Cir., Doc. —, *The Electric Auto-Lite Co. v. P. & D. Mfg. Co., Inc.*

1,685,260, L. L. Findley, Powder placing syringe, D. C., S. D. Calif., C. Div., Doc. E 117–H, *L. L. Findley v. Research Prescription Pharmacy et al.* Dismissed May 13, 1935.

1,718,176, H. W. Nordendale, Die punching method, D. C., N. D. Ill., E. Div., Doc. 9394, *Nordendale Mfg. Co. v. Transformer Corp. of America.* Dismissed without prejudice April 3, 1935.

1,725,398. (See 1,610,567.) 1,735,112. (See 1,669,888.)

1,755,252, E. W. Goeser, Upset lock pin for chain belt, D. C., S. D. Calif. (Los Angeles), Doc. E V–69–C, *Emsco Derrick & Equipment Co. v. Link Belt Co.* Patent held valid, injunction granted May 8, 1935.

1,757,001, G. C. Beidler, Photographic apparatus, D. C., W. D. N. Y., Doc. 1616, *G. C. Beidler v. Photostat Corp.* Dismissed May 17, 1935.

1,758,146, W. M. Cross, Domestic heating system, D. C. Mo. (Kansas City), Doc. 2430, *Mid-Continent Investment Co. v. W. M. Schermes.* Decree for plaintiff May 21, 1935.

1,777,256, J. C. Daley, et al., Transformer, D. C., N. D. Ill., E. Div., Doc. 10,529, *Jefferson Electric Co. v. Thordarson Electric Mfg. Co.* Dismissed without prejudice Jan. 3, 1935.

1,791,081, E. R. Selter, Book making machine, filed May 8, 1935, D. C., N. D. Ill., E. Div., Doc. 14,521, *T. W. & C. B. Sheridan Co. v. W. F. Hall Printing Co. et al.*

1,796,979, G. A. Bells, Radius gauge, filed May 10, 1935, D. C., S. D. Ill., N. Div., Doc. 1303, *Weaver Mfg. Co. et al. v. Bear Mfg. Co.*

1,804,787, F. Kullmer, Metal window, filed May 17, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3874–S, *Soule Steel Co. v. Michel & Pfeffer Iron Works, Inc. et al.*

1,835,962, R. J. Pomeroy, System for modifying sound record, D. C., S. D. Calif. (Los Angeles), Doc. E 29–J, *L. H. McBean v. R. K. O. Studios, Inc.* Dismissed without prejudice May 20, 1935.

1,855,168, C. L. Farrand, Loud speaker, D. C., N. D. Ill., E. Div., Doc. 12,400, *Utah Radio Products Co. et al. v. Wieboldt Stores, Inc.* Dismissed Mar. 22, 1935.

1,860,789, W. N. Sawyer, Wood heel grooving machine, C. C. A., 2d Cir., Doc. —, *United Shoe Machinery Corp. v. Brooklyn Wood Heel Corp.* Decree reversed (notice May 13, 1935).

1,877,237, E. B. Hart, Compound for the prevention and treatment of anemia, filed May 14, 1935, D. C., N. D. Ill., E. Div., Doc. 14,538, *Wisconsin Alumni Research Foundation v. Borcherdt Malt Extract Co.*

1,888,019, N. R. Thibert, Liquid fuel burner, D. C. Mass., Doc. E 3860, *N. R. Thibert et al. v. Oil Burner Products Co., Inc., et al.* Dismissed Jan. 4, 1934.

1,891,207, S. Ruben, Electrolytic condenser, C. C. A., 2d Cir., Doc. 13,834, *Ruben Condenser Co. et al. v. Aerovox Corp.* Decree modified (notice May 13, 1935).

1,902,641, E. A. Haveles, Restaurant check holder, D. C., S. D. Calif. (Los Angeles), Doc. E 51–C, *E. A. Haveles v. Pacific Manifolding Book Co., Ltd. et al.* Dismissed for want of prosecution May 14, 1935.

1,916,341, K. A. Spieth, Tractor guide, filed Mar. 5, 1935, D. C. Nebr. (Grand Island), Doc. E 335, *K. A. Spieth v. C. W. Kearney.*

1,929,815, T. Nicolau y Grino et al., Apparatus for projecting animated pictures on a screen, D. C., S. D. N. Y., Doc. E 79/173, *Nic Projector Corp. v. R. H. Macy & Co., Inc.* Consent order of discontinuance (notice May 16, 1935).

1,933,908, D. Hoppenstand, Gear shifting mechanism, filed May 14, 1935, D. C. Pa., Doc. E 3075, *D. Hoppenstand v. Mack-International Motor Truck Corp.*

1,945,734, H. R. Cullimer, Door lock and framing, filed May 9, 1935, D. C., S. D. N. Y., Doc. E 80/232, *Elevator Appliance Co., Inc. et al. v. Prudential Insurance Co. of America.*

1,962,686, L. H. Heyl, Parting compound, filed May 24, 1935, D. C., E. D. Mich. (Detroit), Doc. 7011, *The Federal Foundry Supply Co. v. F. B. Stevens, Inc.*

2,000,207, M. Arnold, Permanent waving appliance, filed May 20, 1935, D. C., S. D. N. Y., Doc. E 80/246, *M. Arnold et al. v. Julian Self-Setting Permanent Waving, Inc.*

Re. 17,413. (See 1,610,567.)

Re. 16,887, E. D. Tillyer, Ophthalmic lens, D. C., W. D. N. Y., Doc. 1778, *American Optical Co. v. Atkinson & Leff, Inc.* Decree Nov. 16, 1933.

Re. 19,013, E. E. Neldner, Valve-seat finishing tool, filed May 13, 1935, D. C., N. D. Ohio, E. Div., Doc. 5219, *The Black & Decker Mfg. Co. v. The Automotive Parts Co.*

Des. 93,757, M. A. Bell, Design for a match holder display, counter-claim based on patent filed by defendant in *Standard Match Corp. v. The Bell Machine Co.*, D. C., E. D. Wis. (Milwaukee), Doc. 4565. Patent held valid and infringed. Decree for defendant on its counter-claim; plaintiff's bill dismissed for want of equity May 16, 1935.

Des. 94,160, F. Parlante, Shoe, filed May 10, 1935, D. C., S. D. N. Y., Doc. E 80/233, *Parlante Shoes, Inc. v. Gordon Shoe Co., Inc.*

Des. 94,647, M. Bernstein, Ensemble dress, filed May 10, 1935, D. C., S. D. N. Y., Doc. E 80/237, *Ace-High Dresses, Inc. v. Dave Levin-Medvin Corp.*

T. M. 212,124, Endicott Johnson Corp., Rubber soles and bottoms for shoes, D. C., S. D. Tex. (Brownsville), Doc. E 272, *Rio Grande Valley Citrus Exchange v. The S. A. Gerrard Co. et al.* Dismissed without prejudice May 21, 1935.

T. M. 247,091, American Chicle Co., Chewing gum and cachous, filed May 20, 1935, D. C., N. D. Ill., E. Div., Doc. 14,554, *American Chicle Co. v. W. Migit.*

T. M. 313,426, Glenmore Distilleries Co., Inc., Gin, whiskey, and other potable distilled alcoholic liquors, filed April 17, 1935, D. C., N. D. Ill., E. Div., Doc. 14,417, *Glenmore Distilleries Co. v. The Liquor Dealers Supply Co.*

T. M. 314,919, Liquor Dealers Supply Co., Whiskey and gin, filed May 11, 1935 D. C. N. D. Ill. E. Div., Doc. 14,534, *Century Distilling Co. v. Century Liquor & Wine Stores, Inc. et al.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 25, 1935

[VOL. 455- No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 350,141. FRANK L. GAIER, Milford, Del. Filed Apr. 18, 1934.

OPTIKOL

For Impression Taking and Casting Materials Made of Plastic Stone and Other Substances for All Purposes for Which Such Impressions or Castings are Needed.

Claims use since Apr. 1, 1934.

Ser. No. 363,970. EBERLE TANNING COMPANY, Westfield, Pa. Filed Apr. 19, 1935.



No claim is made to the exclusive use of the word "Oak" apart from the mark.

For Sole Leather.

Claims use since Apr. 1, 1935.

Ser. No. 364,925. PARAGON RUBBER CORPORATION, New York, N. Y. Filed May 14, 1935.

PARATEX

For Semi-Hard Rubber Composition Material Used in the Manufacture of Toys and Dolls.

Claims use since Mar. 1, 1935.

CLASS 5

Adhesives

Ser. No. 363,063. C. W. RENSTROM, doing business as Tip-Top Products Company, Omaha, Nebr. Filed Mar. 27, 1935.

HEATLESS
LIQUID
SOLDER

No claim is made to the words "Heatless Liquid Solder" apart from the mark as shown.

For Liquid Solder (a Fluid, Metallized, Adhesive Cement.)

Claims use since May 9, 1933.

Ser. No. 363,546. THE AUTOSAN CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 9, 1935.



No claim is made to the representation of a tire apart from the mark as shown.

For Composition in the Nature of an Adhesive for Preventing Flat Tires.

Claims use since Mar. 10, 1935.

Ser. No. 364,817. THE GORDON PROCESS COMPANY, Columbus, Ohio. Filed May 11, 1935.

GOPRO

For Pyroxylin Cements Specifically Employed in Uniting Leather Surfaces.
Claims use since Jan. 15, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 360,389. THE PIONEER MFG. COMPANY, Cleveland, Ohio. Filed Jan. 18, 1935.

ACTO

For Disinfectants, Germicides, Liquid Insecticides, and Sprays.
Claims use since July 13, 1933.

Ser. No. 363,637. PARFUMERIE ST. DENIS, New York, N. Y. Filed Apr. 11, 1935.



Applicant disclaims the word "Gardenia" apart from the mark.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Crystals, Bath Oil, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Cologne, Perfumes, and Toilet Waters.
Claims use since Jan. 31, 1933.

Ser. No. 363,993. BECK, KOLLER & CO., INC., Detroit, Mich. Filed Apr. 20, 1935.

Beckolbase Synthetics

No claim is made to the word "Synthetics" apart from the remainder of the mark.
For Resins, Including Synthetic Resins and Processed Natural Resins; Resin Solutions, Including Plastic Resin Solutions; and Oils, Including Processed Oils and Synthetic Oils, for Use in the Industrial Arts.
Claims use since December, 1934.

Ser. No. 364,001. COTY, INC., New York, N. Y. Filed Apr. 20, 1935.

"Stow-away"

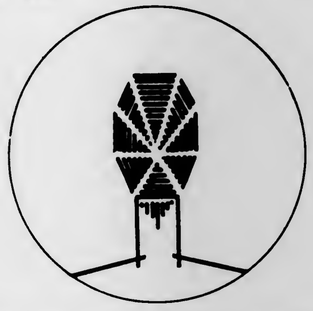
For Perfumes.
Claims use since Mar. 6, 1935.

Ser. No. 364,008. THE GIBBS MANUFACTURING COMPANY, Canton, Ohio. Filed Apr. 20, 1935.

A·V·A

For Chemical Preparation Used as a Deodorizer.
Claims use since Mar. 20, 1935.

Ser. No. 364,010. INECTO, INC., New York, N. Y. Filed Apr. 20, 1935.



For Hair Dyes, Hair Brighteners, Shampoo Tints, Hair Rinses.
Claims use since Mar. 7, 1935.

Ser. No. 364,031. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Apr. 20, 1935.



No claim is made to the words "American Products—N. Y." apart from the mark shown.
For Enzyme Used in Converting Starch.
Claims use since Apr. 3, 1935.

Ser. No. 364,038. ZOTOS CORPORATION, New York, N. Y. Filed Apr. 20, 1935.

QM

For Hair Waving Solutions.
Claims use since July 20, 1932.

Ser. No. 364,039. ZOTOS CORPORATION, New York, N. Y. Filed Apr. 20, 1935.

QS

For Hair Waving Solutions.
Claims use since July 20, 1932.

Ser. No. 364,071. THE PHARMACEUTICAL PRODUCTS COMPANY, LIMITED, London, England. Filed Apr. 22, 1935.

SOLUROL

For Medicine for the Treatment of Gouty and Rheumatismal Affections as a Dissolvent of Uric Acid.
Claims use since Jan. 1, 1904.

Ser. No. 364,113. MONITE COMPANY, St. Louis, Mo. Filed Apr. 22, 1935.

Monite

For Mothproofing Materials.
Claims use since Dec. 30, 1933.

Ser. No. 364,284. THE GENERAL PHARMACAL COMPANY, Cincinnati, Ohio. Filed Apr. 27, 1935.

FeyeX

For Eye-Wash.
Claims use since Apr. 12, 1935.

Ser. No. 364,302. PACIFIC COAST BORAX COMPANY, New York, N. Y. Filed Apr. 27, 1935.

20 MULE TEAM

For Borax, Boric Acid, Boric Acid Spangles, Borax Compounds Used for Antiseptic Purposes, and Talcum Powder.
Claims use since 1904 on talcum powder; since September, 1891, on remaining goods.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 363,915. EXOTIC VANITIES, INC., New York, N. Y. Filed Apr. 18, 1935.

GLYDAWAY

For Cigarette Cases.
Claims use since Jan. 2, 1935.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 362,896. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Mar. 22, 1935.

EZXS

For Cartridges for Use in Rifles or Revolvers or Both.
Claims use since Jan. 5, 1935.

CLASS 11

Inks and Inking Materials

Ser. No. 363,297. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Apr. 1, 1935.

PERMANSA

For Ink Pigments, Printing Inks and Lithographing Inks.
Claims use since Aug. 24, 1933.

CLASS 12

Construction Materials

Ser. No. 364,871. HUTTIG SASH & DOOR COMPANY, St. Louis, Mo. Filed May 13, 1935.

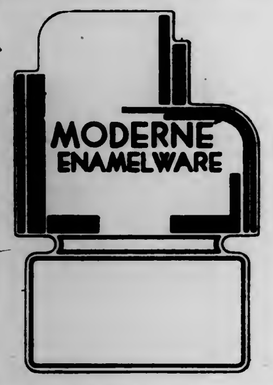


The word "Sash" is disclaimed apart from the mark as shown.
For Mill Work, Particularly Sash.
Claims use since Apr. 25, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 345,850. FEDERAL ENAMELING & STAMPING COMPANY, McKees Rocks, Pa. Filed Jan. 8, 1934.



The words "Moderne" and "Enamelware" are disclaimed apart from the mark shown.

For Enameled Base Metal Pots, Pans, Teakettles, Teapots, Coffee Percolators, Drip Coffee Makers, Roasters, and Covers Therefor.

Claims use since Jan. 6, 1934.

Ser. No. 362,632. SACKS-BARLOW FOUNDRIES, INC., Newark, N. J. Filed Mar. 16, 1935.

EAGLE

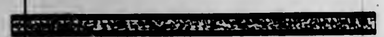
For Heel, Toe and Sole Plates for Boots and Shoes.
Claims use since Nov. 6, 1933.

Ser. No. 363,194. THE SANITARY FIXTURES COMPANY OF NORTH AMERICA, New York, N. Y. Filed Mar. 28, 1935.

KLEENSAN

For Bidets, Toilet Bowls, Toilet Seats, Lavatories, Bathroom Fixtures, and Sanitary Attachments for Toilets and Bidets for Internal Irrigations.
Claims use since Feb. 21, 1935.

Ser. No. 363,770. THE STANLEY WORKS, New Britain, Conn. Filed Apr. 15, 1935.



Trade-mark consists of a narrow orange stripe applied lengthwise to the surface of the box strapping; no claim being made to the representation of the box strapping per se.

For Box Strapping.
Claims use since May 15, 1934.

Ser. No. 364,158. WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Apr. 24, 1935.

"Torchline"

For Metal Pipe Elbows, T's, Couplings, Y's, Unions, Bushing, Plugs, Caps.
Claims use since Jan. 1, 1934.

Ser. No. 364,159. WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Apr. 24, 1935.

WB

For Traps for Plumbing, Sink, Lavatory and Wash Tray Connections, Wastes and Overflows, Supplies, Wastes and Shoers for Concealed Work, Shower Bath Sprays, Heads and Supports, Mixing Valves for Showers, Exposed Showers, Compression Stops, Compression Stops and Drains, Globe and Gate Valves, Ground Key Stops, Ground Key Stops and Drains, Bibbs, Double Sink Faucets, Bath Faucets, Laundry Faucets, Lavatory Faucets, Pantry and Shampoo Faucets, Combined Supply and Waste Lavatory Fixtures, Pressure Relief Valves, Lawn Faucets, Sediment Faucets, Basin and Bath Supplies, Slip Joint Connections, Ground Joint Connections, Threaded Collars, Trap Bushings, Slip Joint Nuts, Solder Fittings for Tubing, Brass Ferrules, Boiler Couplings, Brass Tubing and Pipe, Float Valves, Floats for Tanks, Adjustable Guides, Tank Levers, Flush Valves, Closet Elbows, Flanges with Spring Holders, Toggle and Expansion Bolts, Closet Screws, Tap Plugs, Closet Floor Flanges, Closet Elbows, Tank Balls, Rubber Plugs, Fuller Balls, Faucet Washers, Tapered Slip Joint Washers.
Claims use since Mar. 1, 1915.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 364,968. OHIO FERRO-ALLOYS CORPORATION, Canton, Ohio. Filed May 15, 1935.



The words "Brand", "Quality", "Service", and "Dependability" are disclaimed apart from the mark.

For Ferro-Alloys—Namely, Ferro Silicon, All Grades; Ferro Chrome; Ferro Manganese and Silico Manganese.
Claims use since Apr. 23, 1935.

CLASS 15

Oils and Greases

Ser. No. 360,234. MOTOR OILS REFINING CORPORATION, Chicago, Ill. Filed Jan. 14, 1935.



No claim is made to the word "Tempered" apart from the mark shown. Applicant disclaims the words "A Rectified Lubricant" and "Motor Oil."

For Lubricating Oils and Greases.
Claims use since Dec. 4, 1934.

Ser. No. 363,126. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 28, 1935.



For Cutting Oils.
Claims use since June 14, 1934.

Ser. No. 364,004. ESSO INC., Newark, N. J. Filed Apr. 20, 1935.

ESSOLITE

For Lubricating Oils.
Claims use since May 15, 1934.

Ser. No. 364,168. AMERICAN REFINING COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 25, 1935.

AMEROIL

For Motor Lubricating Oil.
Claims use since Mar. 4, 1935.

Ser. No. 364,586. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed May 6, 1935.

SOLVENIZED

For Hydrocarbon Fuels Such as Gasoline and Chemically Treated Lubricating Compositions Such as Lubricating Oil and Grease.
Claims use since Mar. 22, 1935.

Ser. No. 364,726. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed May 9, 1935.



For Hydrocarbon Fuels Such as Gasoline and Chemically Treated Lubricating Compositions Such as Lubricating Oil and Grease.
Claims use since Apr. 24, 1935.

Ser. No. 364,793. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed May 10, 1935.

VACOMIX

For Lubricating Oil.
Claims use since Dec. 13, 1933.

CLASS 17

Tobacco Products

Ser. No. 354,547. NAJEEB NASIF MESHAKA, Boston, Mass. Filed Aug. 1, 1934.

M'LADY'S

Meshäka

For Cigarettes.
Claims use since August, 1931.

Ser. No. 365,022. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed May 17, 1935.

ZIPPER

For Cigarettes, Chewing Tobacco, Smoking Tobacco, and Snuff.
Claims use Mar. 5, 1931.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 364,770. EMERSON D. GROVER, Chehalis, Wash. Filed May 10, 1935.

TOUR-A-THON

For Trailers.
Claims use since Apr. 26, 1935.

Ser. No. 364,816. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 11, 1935.

TRI-SORB

For Shock Absorbers.
Claims use since May 7, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 360,965. INDUSTRIAL PRODUCTS, Fargo, N. Dak. Filed Feb. 2, 1935.

NEOFORMER

For Converter Transformer.
Claims use since Sept. 26, 1934.

Ser. No. 361,755. WM. C. MCDUFFIE, receiver of Richfield Oil Company of California, Los Angeles, Calif. Filed Feb. 23, 1935.

RICHFIELD

For Electrical Storage Batteries.
Claims use since Feb. 13, 1935.

Ser. No. 363,648. BOND ELECTRIC CORPORATION, Jersey City, N. J. Filed Apr. 12, 1935.

DRY-CON

For Electrolytic, Electrostatic Condensers.
Claims use since Apr. 2, 1935.

Ser. No. 363,651. CONDENSER CORPORATION OF AMERICA, Jersey City, N. J. Filed Apr. 12, 1935.

ACRACON
ARMORED
"MIKE"

For Electrostatic Condensers.
Claims use since Mar. 19, 1935.

Ser. No. 363,652. CONDENSER CORPORATION OF AMERICA, Jersey City, N. J. Filed Apr. 12, 1935.

DRI-LITIC

For Electrolytic, Electrostatic Condensers.
Claims use since Mar. 19, 1935.

Ser. No. 364,746. VEGA MANUFACTURING CORPORATION, Wilmington, Del. Filed May 9, 1935.

CHROMOXIDE

For Insulated Wire and Insulating and Heat Resisting Compounds for Electrical Apparatus.
Claims use since June 1, 1932.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 360,944. THORNECRAFT, INCORPORATED, Chicago, Ill. Filed Feb. 1, 1935.

THORNECRAFT

For Toy Boats and Construction Parts Therefor.
Claims use since March, 1933.

Ser. No. 360,945. THORNECRAFT, INCORPORATED, Chicago, Ill. Filed Feb. 1, 1935.



The mark is fanciful.
For Toy Boats and Construction Parts Therefor.
Claims use since July, 1934.

Ser. No. 364,591. POLAR-WERKE A.G., Remscheid, Germany. Filed May 6, 1935.



For Ice and Roller Skates.
Claims use since 1924.

Ser. No. 364,967. NOAH'S ARK AUTO ACCESSORIES, INC., Rochester, N. Y. Filed May 15, 1935.



For Skates.
Claims use since December, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 347,358. HYDRAULIC COUPLING CORPORATION, Detroit, Mich. Filed Feb. 14, 1934.



No claim is made to the words "Fluid Transmission" and "Trade Mark" apart from the mark as shown. The representation of the goods or any part thereof is disclaimed apart from the mark shown.
For Machinery Shaft Couplings.
Claims use since Jan. 5, 1934.

Ser. No. 349,230. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Mar. 28, 1934.

CEM

For Machinery for Conveying Containers Such as Bottles and for Filling, Capping and Agitating Such Containers, and Parts of Such Machines
Claims use since Sept. 1, 1932.

Ser. No. 353,862. SUPERIOR SHEET METAL WORKS COMPANY, Indianapolis, Ind. Filed July 13, 1934

MAR VEL

For Gravity Type of Cream Separator
Claims use since 1907.

Ser. No. 358,943. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Dec. 5, 1934.



No claim is made to the words "It's from Oilwell" and "Here's Your Guarantee" apart from the mark. The drawing is lined for orange.
For Machinery and Tools Used in the Industry of Well Drilling and the Operation of Oil and Gas Wells—Namely, Cable Tool Drilling Equipment and Fishing Tools—Namely, Rope Sockets, Jars, Drill Stems, Temper Screws, Rope Clamps, Circles, Wrenches and Sockets, Spears, Casing Bowls, Crabs, Cherry Pickers, Jar Sockets, Knockers, Latch Jacks, Devil's Pitch Forks, Rope Cutters or Knives, Swedges, Bit Hooks, Spuds, Whip Stocks, Milling Tools, Rasps, Casing Cutters, Collar Busters, Casing Splitters and Perforators; Hydraulic Rotary Drilling Equipment, and Fishing Tools—Namely, Prime Movers, Drawworks, Pumps, Crown Blocks, Travelling Blocks, Swivels, Grief Stems, Drill Bits and Rotaries, Casing Cutters, Spears, Screw Grabs, Guides, Overshots, Wall Hooks and Milling Shoes; Steam Engines; Gas Engines; Reciprocating and Centrifugal Pumps; Central Station Pumping Powers; Unit Pumping Powers; Straight and Reverse Clutches; Pipe and Tubing Elevators; Tongs; Surface and Sub-Surface Pumping Equipment; Blowers; Packers; Automatic Drilling Controls; Production Hoist; Belt Tighteners; and Casing Wagons.
Claims use since July 29, 1931.

Ser. No. 359,517. PETER J. MICHELS, New York, N. Y. Filed Dec. 20, 1934.



For Cutlery—Namely, Razors, Barber Shears, Ladies' Scissors, Tweezers.
Claims use since July 1, 1914.

Ser. No. 364,625. GORDON B. GRACE, doing business as Grace Manufacturing Co., San Francisco, Calif. Filed May 7, 1935.

The ACE

For Dishwashing Machines
Claims use since Jan. 15, 1931.

Ser. No. 364,720. GOERLICH'S, INC., Toledo, Ohio. Filed May 9, 1935.

LIFETIME

For Mufflers for Explosive Engines.
Claims use since Apr. 2, 1935.

Ser. No. 364,854. CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y. Filed May 13, 1935

HIGH BALL

For Knife
Claims use since Jan. 19, 1935.

CLASS 24

Laundry Appliances and Machines

Ser. No. 365,085. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed May 18, 1935.

Black Beauty

For Ironing Tables.
Claims use since May 6, 1935.

Ser. No. 365,089. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed May 18, 1935.

No. 560

For Ironing Tables.
Claims use since May 6, 1935.

Ser. No. 365,090. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed May 18, 1935.

No. 480

For Ironing Tables.
Claims use since May 6, 1935.

CLASS 25

Locks and Safes

Ser. No. 365,213. RAILROAD ACCESSORIES CORPORATION, New York, N. Y. Filed May 21, 1935.

RACO

For Padlocks.
Claims use since Oct. 1, 1920.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 362,241. W. F. STANLEY AND COMPANY LIMITED, London, England. Filed Mar. 7, 1935.

HEZZANITH

For Sextants, Telescopes, Binocular Glasses, Barometers, Octants, Chart Rules, Chart Dividers, Drawing Instruments, Including Instruments Used by Mechanical or Surveyors' Draftsmen, and Such Instruments as Planimeters, Integrators, Pantagraphs, Eidographs and Instruments for Producing the Parabola, the Hyperbola, Circles and Other Curves, Rules for Producing Parallel Lines and Lines Set at an Angle, Drafting Machines, Slide-Rules, Protractors, Engineers' and Surveyors' Mechanical and Navigational Scales, Azimuth Instruments, Logs and Log Lines, Sounding Machines, Artificial Horizons, Thermometers, and Ships' Compasses.
Claims use since Nov. 11, 1904.

Ser. No. 364,095. FILM TREATIZOR CORPORATION, New York, N. Y. Filed Apr. 23, 1935.

FILM TREATIZOR

Applicant disclaims the word "Film" apart from the mark shown.
For Devices Adapted for Preventing and Extinguishing Fires in Motion Picture Films, an Accessory to a Film Camera or Projection Machine.
Claims use since November, 1932.

Ser. No. 364,648. WARNER BROS. PICTURES, INC., New York, N. Y. Filed May 7, 1935.

WARNER BROS. PICTURES, Inc.



For Motion Pictures and Motion Picture Films, Which Have Records or Sound, Words and/or Music Thereon, and Motion Picture Films Adapted for Synchronization with Sound, Words and/or Music Records.
Claims use since 1933.

Ser. No. 364,702. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed May 9, 1935.

ANTAR

For Photographic Cameras, Camera Lenses and Shutters.
Claims use since Mar. 28, 1935.

Ser. No. 364,704. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed May 9, 1935.

PLENAX

For Photographic Cameras, Camera Lenses and Shutters.
Claims use since Mar. 28, 1935.

Ser. No. 364,705. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed May 9, 1935.

TRIPAR

For Photographic Cameras, Camera Lenses and Shutters.
Claims use since Mar. 28, 1935.

Ser. No. 364,890. TOKHEIM OIL TANK & PUMP CO., Fort Wayne, Ind. Filed May 13, 1935.

MONEYMAKER

For Self-Measuring Pumps.
Claims use since Apr. 6, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 363,384. CIRO PEARLS LIMITED, London, England. Filed Apr. 4, 1935.

CIRO

For Finger Rings, Jeweled Pins, Ear-Rings, Necklaces, Tie-Pins, Brooches, Bracelets, and Decorative Studs and Cuff Links, All Being Articles of Imitation Jewelry and Imitation Pearls and Reconstructed Gems.
Claims use since May 28, 1917.

Ser. No. 364,674. HENRY KOHN & SONS INCORPORATED, Hartford, Conn. Filed May 8, 1935.



For Wedding Rings.
Claims use since Mar. 22, 1934.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 360,943. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Feb. 1, 1935.

Ennjay

For Felt Pads Combined with a Liquid Feeding Reservoir for Oiling Floors.
Claims use since Oct. 3, 1934.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 361,717. DURIAN E. BRAYTON, Laguna Beach, Calif. Filed Feb. 23, 1935.

Brayton Laguna

For Earthenware and Crockery Products—Namely, Tableware, Kitchen Ware, and Oven Ware, Pitchers, Vases, Jugs, Jars, Decorative Pots, Liquor Containers.
Claims use since Jan. 21, 1930.

CLASS 32

Furniture and Upholstery

Ser. No. 343,489. L. & J. G. STICKLEY, INC., Fayetteville, N. Y. Filed Nov. 9, 1933.

RUSSWOOD

For Chairs and Settees.
Claims use since Oct. 1, 1933.

CLASS 33

Glassware

Ser. No. 355,358. HOLOPHANE COMPANY, INC., New York, N. Y. Filed Aug. 23, 1934.

VERLYS

For Glassware—viz., Globes, Shades, Vases, Plates, Saucers, Dishes, Trays, Drinking Glasses, Bowls, Jardinieres, Bottles, Dessert Sets, Bon Bon Dishes.
Claims use since July 20, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 364,736. MARIE J. RHODES, New York, N. Y. Filed May 9, 1935.

CondAir
HEALTH COMFORT CONDITIONING

The words "Air Health Comfort Conditioning" are disclaimed apart from the mark.
For Air Conditioning, Cooling and Heating Units.
Claims use since Jan. 1, 1927.

CLASS 37

Paper and Stationery

Ser. No. 360,986. BEACH & ARTHUR, INC., Indianapolis, Ind. Filed Feb. 4, 1935.

SMART-SET

For Paper Napkins and Table Cloths.
Claims use since Jan. 11, 1934.

Ser. No. 361,701. WEBER COSTELLO CO., Chicago Heights, Ill. Filed Feb. 21, 1935.



For Crayons and Blackboard Erasers.
Claims use since Dec. 14, 1932.

Ser. No. 363,860. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 17, 1935.

Fastidia

For Cleansing Tissues.
Claims use since Feb. 11, 1935.

Ser. No. 363,861. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 17, 1935.

Jo-Etta

For Cleansing Tissues.
Claims use since Feb. 11, 1935.

Ser. No. 363,914. CENTRAL PAPER COMPANY, Muskegon Mich. Filed Apr. 18, 1935.

Trigerwrap
STA FRESH
AIR-SEAL PACKAGING

The words "Sta Fresh Air-Seal Packaging" are disclaimed apart from the mark shown.
For Wrapping Papers.
Claims use since October, 1934.

Ser. No. 364,433. NATIONAL PAPER NAPKIN MANUFACTURING CO. INC., Chicago, Ill. Filed May 1, 1935.

"MIDGET-FOLD"

No claim is made to the word "Fold" apart from the mark shown.
For Paper Folded Napkins.
Claims use since May 1, 1931.

CLASS 38
Prints and Publications

Ser. No. 362,159. NATIONAL ADHESIVES CORPORATION, New York, N. Y. Filed Mar. 5, 1935.

"BY GUM"

For Periodical Publication.
Claims use since Jan. 1, 1925.

Ser. No. 363,139. ASSOCIATED PUBLICATIONS, INC., Kansas City, Mo. Filed Mar. 29, 1935.

BOXOFFICE

For Periodical.
Claims use since Jan. 21, 1932.

Ser. No. 363,435. MAGILL-WEINSHEIMER COMPANY, doing business as National Selling Service, Chicago, Ill. Filed Apr. 5, 1935.

NATIONAL SELLING SERVICE
FOLLOW-THRU

No claim is made to the words "Trade Mark" and "Originators of Follow-Thru Advertising" apart from the mark as shown.
For Advertising Displays, Pamphlets, Brochures, Publications, Cut Outs, and Other Printed Advertising Matter Sold to the Trade as Such.
Claims use since Mar. 15, 1935.

Ser. No. 364,015. NEA SERVICE, INC., Cleveland, Ohio. Filed Apr. 20, 1935.



For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Jan. 2, 1935.

Ser. No. 364,233. JOSEPH P. KNAPP, doing business as J. P. Knapp, New York, N. Y. Filed Apr. 26, 1935.

Pictoria

For Periodical Known as Pictoria.
Claims use since Mar. 30, 1935.

Ser. No. 364,521. STAATS HERALD CORPORATION, New York, N. Y. Filed May 3, 1935.

Sonntagsblatt Staats-Zeitung-Herold

For Sunday Newspaper.
Claims use since Mar. 21, 1920.

Ser. No. 364,522. STAATS HERALD CORPORATION, New York, N. Y. Filed May 3, 1935.

New Yorker Staats-Zeitung-Herold

For Daily Newspaper.
Claims use since Dec. 3, 1934.

Ser. No. 364,636. THE NATION INC., New York, N. Y. Filed May 7, 1935.

The Nation

For Weekly Publication.
Claims use since 1865.

Ser. No. 364,644. VISUOPATHIC INSTITUTE OF AMERICA, Dayton, Ohio. Filed May 7, 1935.

VISUOPATH

For Monthly Publication.
Claims use since May 1, 1935.

CLASS 39
Clothing

Ser. No. 344,309. ISIEDOR RAPPAPORT, New York, N. Y. Filed Dec. 1, 1933.

CAMPUS SPORTWEAR
J. Rappaport MANUFACTURER

Applicant disclaims the words "Campus Sport Wear" and "J. Rappaport Manufacturer" except as shown in the drawing.
For Sport Jackets and Sport Coats for Men, Women, and Children.
Claims use since Dec. 1, 1933.

Ser. No. 357,729. GAINES UMPHREY SHOE CORPORATION, Crawfordsville, Ind. Filed Oct. 31, 1934.

Flexi-Ball Athletic Shoes
On Your Toes

No claim is made to the words "Athletic Shoes" except in the association shown.
For Shoes.
Claims use since Sept. 13, 1934.

Ser. No. 359,643. AERO NECK BAND & COLLAR CO. INC., New York, N. Y. Filed Dec. 22, 1934.

Smoothtex

For Men's and Boys' Blouses, Collars, Dress, Negligee, and Work Shirts, and Shirts With Collars Attached, Cut-Out Linings and Interlinings for Said Articles.
Claims use since June 7, 1934.

Ser. No. 360,529. FELT NOVELTY MFG. CO., New York, N. Y. Filed Jan. 22, 1935.

FELT NOVELTY MFG. CO.

For Athletic Trunks, Boxing Robes, Athletic Pants, Sweaters, Tights, Sweater Coats, Baseball Suits, Baseball Shirts, Caps for Men, Women, and Children, Hosiery, Baseball Coats, Outer Shirts, Bloomers, Swimming Suits, and Swimming Caps.
Claims use since October, 1922.

Ser. No. 361,119. ROTARY SHIRT CO. INC., New York, N. Y. Filed Feb. 6, 1935.

Permaset

For Men's Dress and Work Shirts and Collars.
Claims use since Jan. 14, 1935.

Ser. No. 361,120. ROTARY SHIRT CO., INC., New York, N. Y. Filed Feb. 6, 1935.

Permadure

For Men's Dress and Work Shirts and Collars.
Claims use since Jan. 14, 1935.

Ser. No. 361,121. ROTARY SHIRT CO., INC., New York, N. Y. Filed Feb. 6, 1935.

Duratized

For Men's Dress and Work Shirts and Collars.
Claims use since Jan. 14, 1935.

Ser. No. 361,178. MICHAELS BROS., New York, N. Y. Filed Feb. 8, 1935.

Jack O'Leather

The word "Leather" is disclaimed apart from the mark.
For Men's and Boys' Outer Clothing—Namely, Overcoats, Suits, Coats, Vests, Trousers, Knickerbockers, and Lumberjacks.
Claims use since January, 1933.

Ser. No. 361,257. CHISHOLM BOOT SHOPS, INC., Cleveland, Ohio. Filed Feb. 11, 1935.

Chisholm's "PAR-VALS" PEERLESS QUALITY

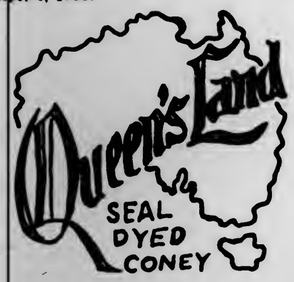
Applicant disclaims the expression "Peerless Quality."
For Shoes Made of Leather, Rubber, Fabric, or Combinations of these materials.
Claims use since Jan. 2, 1935.

Ser. No. 363,076. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 27, 1935.

AQUA-SAIL

No claim is made to the word "Sail."
For Men's Negligee Shirts, Shorts, and Sportswear—Namely, Golf Jackets, Ski-Jackets and Parkas.
Claims use since Sept. 5, 1934.

Ser. No. 363,399. LEWMAC FURS, INC., New York, N. Y. Filed Apr. 4, 1935.



The words "Seal Dyed Coney" are disclaimed apart from the mark as shown.

For Coats, Suits, Dresses, and Collars, Cuffs, and Muffs. Manufactured and Fashioned from Chemically Prepared Skins of Coney, Rabbit, Marmot, and Muskrat.

Claims use since Oct. 1, 1934.

Ser. No. 363,552. THE CAMPE CORPORATION, New York, N. Y. Filed Apr. 9, 1935.



Applicant disclaims the word "Sport" except as it appears in the mark.

For Men's, Women's, and Children's Underwear.

Claims use since Jan. 15, 1935.

Ser. No. 363,553. THE CAMPE CORPORATION, New York, N. Y. Filed Apr. 9, 1935.



Applicant disclaims the word "Short" except as it appears in the mark.

For Men's, Women's, and Children's Underwear.

Claims use since Jan. 15, 1935.

Ser. No. 363,564. OXFORD UNDERGARMENT CORPORATION, New York, N. Y. Filed Apr. 9, 1935.



No claim is made to the word "Frenchfit" apart from the mark.

For Ladies' Undergarments—Namely, Slips, Petticoats, Chemises, and Step-in Drawers.

Claims use since Feb. 14, 1935.

Ser. No. 363,709. INVISILETTE, INC., Chicago, Ill. Filed Apr. 13, 1935.

Coos

For Invisible Underpanty.

Claims use since Dec. 4, 1934.

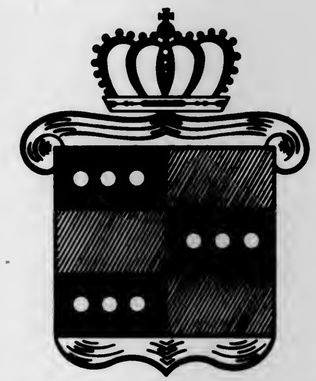
Ser. No. 363,838. WRIGHT'S UNDERWEAR CO. INC., New York, N. Y. Filed Apr. 16, 1935.

WRIGHT'S
CUT-A-WAYS

For Athletic Underwear, Undershirts, and Shorts.

Claims use since Feb. 27, 1935.

Ser. No. 364,007. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Apr. 20, 1935.



For Shoes of Leather, Fabric, or Combinations Thereof.

Claims use since Apr. 4, 1935

Ser. No. 364,058. GOLDRING MERCHANDISING COMPANY, New York, N. Y. Filed Apr. 22, 1935.

Ronley

For Men's and Women's Coats, Suits, and Dresses.

Claims use since Feb. 15, 1935.

Ser. No. 364,059. GOLDRING MERCHANDISING COMPANY, New York, N. Y. Filed Apr. 22, 1935.

manley

For Men's and Women's Coats, Suits, and Dresses.

Claims use since Feb. 15, 1935.

Ser. No. 364,088. JOSEPH S. COHEN & SONS CO., INC., New York, N. Y. Filed Apr. 23, 1935.



No claim is made to the words "For All Day Wear" apart from the mark as shown.

For Ladies' and Misses' Frocks, Dresses, Pajamas, and Smocks.

Claims use since June, 1931.

Ser. No. 364,089. JOSEPH S. COHEN & SONS CO., INC., New York, N. Y. Filed Apr. 23, 1935.

DOUBLE FEATURE

For Ladies' and Misses' Frocks and Dresses.

Claims use since Jan. 31, 1934.

Ser. No. 364,101. J. A. LIVINGSTON INCORPORATED, New York, N. Y. Filed Apr. 23, 1935.

JACKETEER

For Garments—Namely, Dresses, Coats, and Skirts for Women and Children.

Claims use since March, 1935.

Ser. No. 364,182. HAT CORPORATION OF AMERICA, South Norwalk, Conn. Filed Apr. 25, 1935.

GUILD



For Felt Hats for Men.

Claims use since Oct. 19, 1927.

Ser. No. 364,195. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 25, 1935.

ELBOW ACTION

For Men's and Boy's Work and Negligee Shirts.

Claims use since Apr. 2, 1935.

Ser. No. 364,255. THOMAS & MARCUS, INC., New York, N. Y. Filed Apr. 26, 1935.

"Lassette"

For Women's Chemises, Panties, and Slips.

Claims use since May 10, 1934.

Ser. No. 364,269. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif. Filed Apr. 27, 1935.

Super
Stronghold

For Overalls.

Claims use since Jan. 15, 1935.

Ser. No. 364,714. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed May 9, 1935.

ASTRIS

For Hosiery for Women.

Claims use since Apr. 29, 1935.

Ser. No. 364,715. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed May 9, 1935.

DELICE

For Hosiery for Women.
Claims use since Apr. 29, 1935.

Ser. No. 364,716. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed May 9, 1935.

GLORY

For Hosiery for Women.
Claims use since Apr. 29, 1935.

Ser. No. 364,911. I. M. BAGEDONOW, INC., New York, N. Y. Filed May 14, 1935.

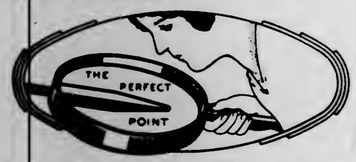
ANGORELLA

For Women's and Misses' Coats, Suits and Skirts.
Claims use since Apr. 2, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 362,768. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed Mar. 20, 1935.

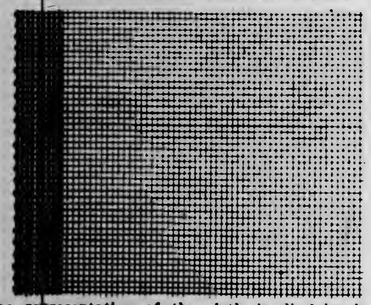


Applicant disclaims the words "The Perfect Point" and the picture of a knitting pin when used alone. The picture is fanciful.
For Knitting Pins for Hand Use.
Claims use since Nov. 26, 1932.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 362,052. SCHWEIZERISCHE SEIDENGAZEFABRIK A. G., Zurich, Switzerland. Filed Mar. 1, 1935.



The representation of the cloth is disclaimed. The mark consists of a number of colored lines along the selvage of the cloth.
For Bolting Cloth and Stencil Cloth.
Claims use since Dec. 1, 1883.

Ser. No. 362,764. MILES L. FINCH, doing business as Associate British Mfrs., New York, N. Y. Filed Mar. 20, 1935.



The words "Imported", "British Wool", "Harris Tweed", and "Type" are disclaimed apart from the mark.
For Genuine Harris Tweed Piece Goods.
Claims use since Jan. 17, 1933.

Ser. No. 362,982. EDWARD D. WHITTLEY, doing business as Laytexile Company, San Francisco, Calif. Filed Mar. 25, 1935.

LAYTEXILE

For Rugs and Carpets Impregnated on the Under Side Only with Anti-Skid Compound.
Claims use since Mar. 15, 1935.

Ser. No. 363,075. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 27, 1935.

AQUA-SAIL

No claim is made to the word "Sail".
For Cotton Piece Goods.
Claims use since Sept. 5, 1934.

Ser. No. 363,077. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 27, 1935.

ULTRACALE

For Cotton Piece Goods, Pillow Cases and Sheets.
Claims use since Sept. 5, 1934.

Ser. No. 363,705. CHENEY BROTHERS, New York, N. Y. Filed Apr. 13, 1935.

RESIST-O-CRUSH

Applicant disclaims the words "Resist" and "Crush" apart from the mark as shown.
For Pile Fabrics, Silk Fabrics and Woolen Fabrics in the Piece.
Claims use since Feb. 11, 1935.

Ser. No. 364,192. PACIFIC MILLS, Lawrence and Boston, Mass. Filed Apr. 25, 1935.

PRESTEX

For Woolen Piece Goods.
Claims use since Dec. 8, 1932.

Ser. No. 364,286. GOLDSTEIN-WILKINS CORPORATION, New York, N. Y. Filed Apr. 27, 1935.

FLOWER CLUB PRINTS

Applicant disclaims the word "Prints".
For Silk Dress Goods in the Piece.
Claims use since June, 1934.

CLASS 43

Thread and Yarn

Ser. No. 363,204. CENTRAL YARN CO. INC., Brooklyn, N. Y. Filed Mar. 30, 1935.

LAMCUNA

For Threads and Yarns.
Claims use since Mar. 20, 1935.

Ser. No. 364,069. PATONS & BALDWINS, LIMITED, Halifax, England. Filed Apr. 22, 1935.

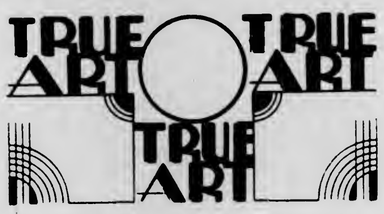
PURPLE HEATHER

For Knitting Yarns of Wool.
Claims use since Jan. 1, 1906.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 356,360. NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Sept. 24, 1934.



For Pads for Permanently Waving Human Hair.
Claims use since Feb. 1, 1934.

Ser. No. 364,221. PAULA A. M. BEESE, doing business as Tampad Co., Woodbury, Long Island, N. Y. Filed Apr. 26, 1935.

TAMPAD

For Absorbent Catamenial Tampons.
Claims use since Sept. 15, 1931.

CLASS 46

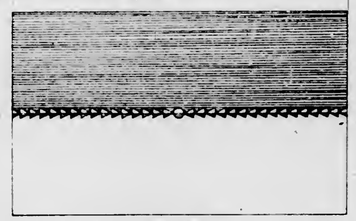
Foods and Ingredients of Foods

Ser. No. 350,792. CROX & DEHN INC., Seattle, Wash. Filed May 2, 1934.

CASSEROLE

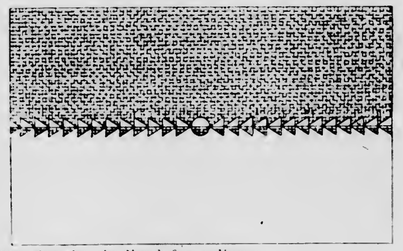
For Canned Oysters.
Claims use since Feb. 24, 1934.

Ser. No. 356,368. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Sept. 24, 1934.



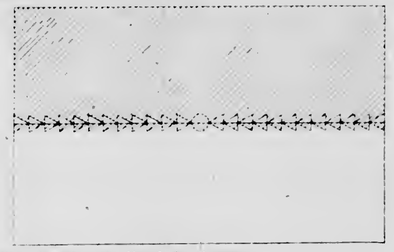
The drawing is lined for blue.
For Spiced Pork Loin with Natural Juices, Ham, Butter, Spiced Pork, Sausages, Lard, Horse Radish, Canned Deviled Ham, and Canned Roast Beef.
Claims use since Sept. 10, 1932.

Ser. No. 356,372. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Sept. 24, 1934.



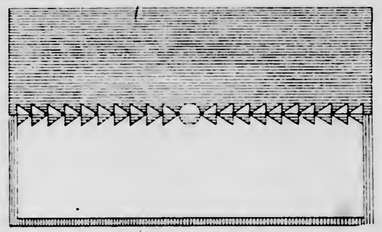
The drawing is lined for yellow.
For Canned Spiced Meat.
Claims use since July 31, 1932.

Ser. No. 356,373. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Sept. 24, 1934.



The drawing is lined for brown.
For Canned Pork.
Claims use since Oct. 24, 1932.

Ser. No. 356,374. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Sept. 24, 1934.



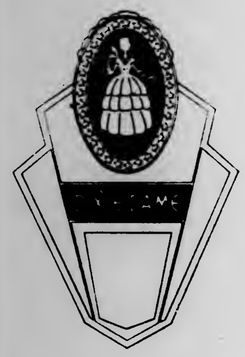
The drawing is lined for blue and red.
For Canned Tongue and Packed Bacon.
Claims use since Nov. 4, 1933 on packed bacon; Apr. 16, 1934 on canned tongue.

Ser. No. 358,105. JOHN T. MCELROY PACKING COMPANY, East El Paso, Tex. Filed Nov. 10, 1934.



For Pure Pork Sausage, Sliced Bacon, Pure Lard, Boiled Ham, Chili Con Carne, Veal and Pork Loaf, Skinned Ham, Salami Style Sausage, Pure Pork Link Sausage, Fresh Creamery Butter, Smoked Beef Tongue, Liver Flavored Sausage, Dried Chip Beef, Pullman Ham, Cooked-Pressed Corn Beef, Spiced Luncheon Meat.
Claims use since Sept. 1, 1934.

Ser. No. 359,558. DIXIE-DAME COMPANY, Statesville, N. C. Filed Dec. 14, 1934.



No claim is made to the representation of a label apart from the mark as shown.
For Watermelon Pickle, Artichoke Relish, Chutney, Apple Jelly, and Pickles.
Claims use since Oct. 15, 1934.

Ser. No. 362,263. MEYER & LANGE, INC., New York, N. Y. Filed Mar. 8, 1935.



No claim is made to the word "Korn" apart from the mark.
For Biscuits or Crackers of Granular Shape.
Claims use since Mar. 1, 1935.

Ser. No. 362,760. ROUNDSMAN FOOD PRODUCTS, INC., Newton Lower Falls, Mass. Filed Mar. 19, 1935.



For Canned Cocoa, Puddings, and Malt-Cocoa.
Claims use since Sept. 21, 1934.

Ser. No. 363,053. LAZARUS EGG CORPORATION, New York, N. Y. Filed Mar. 27, 1935.



The words "Pak" and "Frozen Eggs" and the representation of an egg are disclaimed apart from the mark shown
For Frozen Eggs
Claims use since Mar. 1, 1935

Ser. No. 363,142. EDINBURG CITRUS ASSOCIATION, Edinburg, Tex. Filed Mar. 29, 1935.



For Citrus Fruits
Claims use since Sept. 1, 1933

Ser. No. 363,595. MOUNT VERNON MILK COMPANY, Seattle, Wash. Filed Apr. 10, 1935.



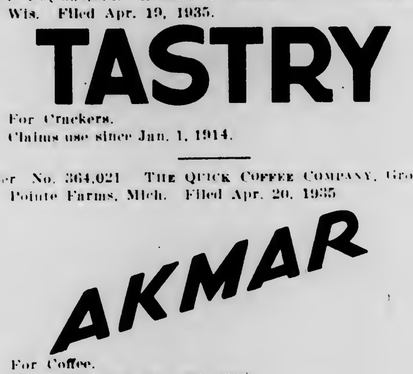
For Evaporated Milk.
Claims use since Apr. 1, 1906.

Ser. No. 363,883. FRANK NEUKIRCH, Chicago, Ill. Filed Apr. 17, 1935.



For Bird Feeds.
Claims use since Jan. 1, 1934.

Ser. No. 363,974. ROBERT A. JOHNSTON CO., Milwaukee, Wis. Filed Apr. 19, 1935.



For Crackers.
Claims use since Jan. 1, 1914.

Ser. No. 364,021. THE QUICK COFFEE COMPANY, Grosse Pointe Farms, Mich. Filed Apr. 20, 1935.

For Coffee.
Claims use since Mar. 26, 1935.

Ser. No. 364,063. KLOTZ CRACKER FACTORY, LIMITED, New Orleans, La. Filed Apr. 22, 1935.



For Cookie-Cakes.
Claims use since Mar. 27, 1935.

Ser. No. 364,248. GROWERS EXCHANGE, INC., Norfolk, Va. Filed Apr. 26, 1935.



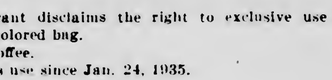
For Fresh Fruits and Vegetables.
Claims use since November, 1933.

Ser. No. 364,265. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed Apr. 26, 1935.



No claim is made to the representation of a container or box.
For Candy.
Claims use since Oct. 23, 1920.

Ser. No. 364,314. G. H. WETTERAU & SONS GROCER CO., St. Louis, Mo. Filed Apr. 27, 1935.



Applicant disclaims the right to exclusive use of an orange colored bag.
For Coffee.
Claims use since Jan. 24, 1935.

Ser. No. 364,397. SMITH THORNBURG COMPANY, Phoenix, Ariz. Filed Apr. 30, 1935.



The portrait is that of the minor daughter of the co partner Floyd N. Smith.
For Fresh Vegetables, Cantaloupes, Honey Dew and Casaba Melons.
Claims use since Dec. 12, 1934

Ser. No. 364,543. HORN-SUPREME ICE CREAM COMPANY, INC., Baltimore, Md. Filed May 4, 1935.

HORNS

For Frozen Confections.
Claims use since July 1, 1921.

Ser. No. 364,678. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 8, 1935.

DELCO

For Wheat Flour.
Claims use since Sept. 7, 1934.

Ser. No. 364,679. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 8, 1935.

POTENTATE

For Wheat Flour.
Claims use since Nov. 12, 1934.

Ser. No. 364,680. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 8, 1935.

SPRINGWEL

For Wheat Flour.
Claims use since Apr. 1, 1935.

Ser. No. 364,681. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 8, 1935.

WHITE COMET

For Wheat Flour.
Claims use since Mar. 26, 1935.

Ser. No. 364,682. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 8, 1935.

SUPERTEX

For Bulk Vegetable Shortening of Semi-Solid Form.
Claims use since Apr. 5, 1935.

Ser. No. 364,788. PURITAN MILLS, INC., Chicago, Ill. Filed May 10, 1935.

SUPERSHORT

For Prepared Flour Comprising Flour and Shortening.
Claims use since Apr. 12, 1935.

CLASS 47

Wines

Ser. No. 364,359. ALEX D. SHAW & CO., INC., New York, N. Y. Filed Apr. 29, 1935.

Nina

For Wines.
Claims use since Feb. 25, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 363,604. SCHELTER LAST CO., INC., Rochester, N. Y. Filed Apr. 10, 1935.

TRAVEL TREE

The word "Tree" is disclaimed apart from the mark as shown.
For Shoe Trees.
Claims use since Mar. 12, 1935.

Ser. No. 364,337. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va. Filed Apr. 29, 1935.

HAZELUG

For Closures for Receptacles.
Claims use since Apr. 9, 1935.

Ser. No. 361,862. THE CRAVANETTE COMPANY, U. S. A., Hoboken, N. J. Filed May 13, 1935.

Dryette

For Water Repellant Textile Fabrics in the Piece.
Claims use since Apr. 24, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 25, 1935

325,398. WINE. JOSE MARIA DE HONOS Y VINENT, Jerez de la Frontera, Spain.
Filed October 31, 1934. Serial No. 357,722. PUBLISHED MARCH 26, 1935. Class 47.

325,399. PRINTING INK. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed November 2, 1934. Serial No. 357,814. PUBLISHED APRIL 16, 1935. Class 11.

325,400. FRESH CITRUS FRUITS AND FRESH DECIDUOUS FRUITS AND VEGETABLES. IMPERIAL VALLEY ASPARAGUS GROWERS ASS'N., El Centro, Calif.
Filed November 5, 1934. Serial No. 357,906. PUBLISHED APRIL 16, 1935. Class 46.

325,401. GAS HEATERS FOR DOMESTIC HOT WATER SUPPLY. THEODORE H. PISER, Boston, Mass.
Filed November 7, 1934. Serial No. 357,991. PUBLISHED APRIL 9, 1935. Class 34.

325,402. AUSTRALIAN WINES. FORTNUM & MASON, LIMITED, London, England.
Filed November 9, 1934. Serial No. 358,048. PUBLISHED APRIL 16, 1935. Class 47.

325,403. SHERRY WINE. FORTNUM & MASON, LIMITED, London, England.
Filed November 9, 1934. Serial No. 358,049. PUBLISHED APRIL 16, 1935. Class 47.

325,404. LEATHER GLOVES. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y.
Filed November 14, 1934. Serial No. 358,209. PUBLISHED APRIL 9, 1935. Class 39.

325,405. PRINTED CHARTS AND REPORTS OF LANDS EXAMINED BY APPLICANT AS A LAND SURVEYOR, CRUISER OF TIMBER, AND AN EXAMINER AND AN APPRAISER OF REAL PROPERTY. RAY M. LANSWORTH, Portland, Oreg.
Filed November 19, 1934. Serial No. 358,403. PUBLISHED APRIL 16, 1935. Class 38.

325,406. YARNS OF WOOL, WORSTED, COTTON, SILK, RAYON, AND OTHER ANIMAL AND VEGETABLE FIBERS, OR OF COMBINATIONS THEREOF. PATANA WORSTED MILLS, Passaic, N. J.
Filed November 20, 1934. Serial No. 358,428. PUBLISHED APRIL 2, 1935. Class 43.

325,407. BOOTS AND SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF SUCH MATERIALS. READING SHOE MARKET, INC., Philadelphia, Pa.
Filed November 21, 1934. Serial No. 358,499. PUBLISHED APRIL 16, 1935. Class 39.

325,408. GASOLINE. OHIO RIVER REFINING AND TERMINAL COMPANY, Cincinnati, Ohio.
Filed November 23, 1934. Serial No. 358,563. PUBLISHED APRIL 16, 1935. Class 15.

325,409. THERMAL INSULATION MATERIAL MADE OF MINERAL WOOL, GLASS WOOL, AND/OR ROCK WOOL FOR AIR CONDITIONING APPARATUS AND BUILDING WALLS. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed November 28, 1934. Serial No. 358,740. PUBLISHED APRIL 16, 1935. Class 12.

325,410. READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS AND LACQUERS. E. O. GILLEN CORPORATION, Milwaukee, Wis.
Filed December 7, 1934. Serial No. 359,163. PUBLISHED APRIL 16, 1935. Class 16.

325,411. AUTOMATIC ELECTRIC COFFEE URNS OR COFFEE POTS. WATERS-GENTER CO., Minneapolis, Minn.
Filed December 13, 1934. Serial No. 359,286. PUBLISHED APRIL 2, 1935. Class 21.

325,412. BRASSIÈRES, CORSETS, CORSELETTES, BANDEAUX, AND GIRDLES. HERMAN B. SAXE, doing business as Quest-Shon Mark Brassiere & Corset Mfg. Co., Brooklyn, N. Y.
Filed December 14, 1934. Serial No. 359,318. PUBLISHED FEBRUARY 19, 1935. Class 39.

325,413. WINES. ATLAS IMPORT & EXPORT CORPORATION, New York, N. Y.
Filed December 15, 1934. Serial No. 359,341. PUBLISHED APRIL 16, 1935. Class 47.

325,414. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed December 15, 1934. Serial No. 359,375. PUBLISHED APRIL 16, 1935. Class 46.

325,415. SOAP. OTTEN AND LUNDAHL, Chicago, Ill.
Filed December 17, 1934. Serial No. 359,398. PUBLISHED APRIL 16, 1935. Class 4.

325,416. ENERGY-TRANSMITTING FLUIDS FOR USE IN HYDRAULIC BRAKE SYSTEMS, SHOCK ABSORBERS, AND THE LIKE, AND INCIDENTALLY HAVING LUBRICATING PROPERTIES, AND MIXTURES OR COMPOUNDS CONSISTING OF OR CONTAINING CASTOR OIL AND COLLOIDAL GRAPHITE FOR VARIOUS USES IN THE INDUSTRIAL ARTS. ACHESON COLLOIDS CORPORATION, Port Huron, Mich.
Filed December 20, 1934. Serial No. 359,493. PUBLISHED APRIL 16, 1935. Class 6.

325,417. VARNISHES (CLEAR OR COLORED); PAINTS (HOUSE PAINTS, BARN PAINTS, FLAT WALL PAINTS, INTERIOR GLOSS WALL PAINTS, SEMI-GLOSS WALL PAINTS, TRAFFIC ZONE PAINTS, TRUCK, TRACTOR, AND IMPLEMENT PAINTS, TINNERS PAINT, ALUMINUM PAINT), ETC. THE CHI-NAMEL COMPANY, Cleveland, Ohio, and Chicago, Ill.
Filed December 24, 1934. Serial No. 359,613. PUBLISHED APRIL 16, 1935. Class 16.

325,418. ACTIVATED CARBON FOR DECOLORIZATION OF LIQUIDS, REFINEMENT OF LIQUIDS AND SOLIDS AND AS A DEODORIZER. GENERAL CARBON & CHEMICAL CORPORATION, Monroe, La.
Filed April 7, 1934. Serial No. 349,678. PUBLISHED APRIL 16, 1935. Class 6.

325,419. ACNE CREAM, ANTI-WRINKLE CREAM, BLEACH CREAM, CLEANSING CREAM, TISSUE CREAM, ASTRINGENT LOTION, ANTI-WRINKLE LOTION, SKIN TONIC, HAIR TONIC, EYE WRINKLE ERADICATOR, EYE BATH, SKIN FRESHENER, AND SHAMPOO. MARIE TOMLIN, Inc., Dallas, Tex.
Filed April 7, 1934. Serial No. 349,691. PUBLISHED APRIL 16, 1935. Class 6.

325,420. NON-ALCOHOLIC, NON-CEREAL, AND MALTLESS BEVERAGES AND SYRUPS AND CONCENTRATES FOR MAKING SAME. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed April 9, 1934. Serial No. 349,708. PUBLISHED SEPTEMBER 25, 1934. Class 45.

325,421. HERNIAL SOLUTION. PINA-MESTEE CLINICS, INC., Orlando, Fla.
Filed April 16, 1934. Serial No. 350,053. PUBLISHED APRIL 16, 1935. Class 6.

325,422. LARD. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed April 18, 1934. Serial No. 350,148. PUBLISHED APRIL 16, 1935. Class 46.

325,423. TOILET PREPARATIONS—NAMELY, POWDERS AND OILS OR LOTIONS FOR USE IN THE BATH, AFTER-SHAVING LOTION, TOILET WATER, DEODORANT, AND A RUBBING PREPARATION (FOR USE AFTER BATHING AND FOR FRICTION RUBS). MARY CHESS, INC., New York, N. Y.
Filed May 15, 1934. Serial No. 351,346. PUBLISHED APRIL 16, 1935. Class 6.

325,424. DECORATIVE LIGHTING DEVICES IN THE FORM OF UNITARY ARTICLES ADAPTED TO BE ELECTRICALLY LIGHTED—NAMELY, CHRISTMAS TREE LIGHTING OUTFITS, WREATHS, CHRISTMAS STARS, AND CANDLE LIGHTS. LEO POLLOCK CORP., New York, N. Y.
Filed July 2, 1934. Serial No. 353,444. PUBLISHED APRIL 16, 1935. Class 21.

325,425. ALCOHOLIC SOLUTIONS (SPIRITOUS SOLUTIONS), POWDERS, TABLETS, AND OINTMENTS, FOR MEDICAL TREATMENT OF THE SKIN; COSMETIC PREPARATIONS FOR THE HAIR, SKIN, AND TEETH; PERFUMERY. AUGUST JULIUS HELMUTH KONGSTED, doing business as Lovens kemiske Fabrik ved. A. Kongsted, Copenhagen, Denmark.
Filed July 3, 1934. Serial No. 353,479. PUBLISHED APRIL 16, 1935. Class 6.

325,426. SEWING MACHINES, PARTS THEREOF, AND ACCESSORIES, AUXILIARY DEVICES FOR SEWING MACHINES, EMBROIDERING AND DARNING APPARATUS, ETC. AKTIENGESELLSCHAFT VORM. SEIDEL & NAUMANN, Dresden, Germany.
Filed July 17, 1934. Serial No. 353,972. PUBLISHED APRIL 16, 1935. Class 23.

325,427. PRINTED BOOKS. LITTLE, BROWN, AND COMPANY, Boston, Mass.
Filed July 19, 1934. Serial No. 354,089. PUBLISHED OCTOBER 16, 1934. Class 38.

325,428. BREAD, CAKE, COOKIES, DRIED FRUITS, FRUIT JUICES FOR FOOD PURPOSES, AND CONFECTIONERY—NAMELY, FUDGE, CANDY KISSES, FRUIT BARS, NUT BARS, HONEY BARS, AND CHOCOLATE MINTS. NATURE FOOD CENTRES, INC., Boston, Mass.
Filed July 19, 1934. Serial No. 354,092. PUBLISHED APRIL 16, 1935. Class 46.

325,429. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF DISEASES OF THE KIDNEYS, LIVER, AND BLADDER. THE S. H. P. LEE CO. INC., New York, N. Y.
Filed August 1, 1934. Serial No. 354,511. PUBLISHED APRIL 16, 1935. Class 6.

325,430. ADVERTISING NEWSPAPER. LOS ANGELES DOWN TOWN SHOPPING NEWS CORPORATION, Los Angeles, Calif.
Filed August 18, 1934. Serial No. 355,147. PUBLISHED APRIL 16, 1935. Class 38.

325,431. BABBITT AND ANTI-FRICTION METAL. E. L. POST & CO. INC., New York, N. Y.
Filed February 8, 1935. Serial No. 361,186. PUBLISHED APRIL 16, 1935. Class 14.

325,432. AGRICULTURAL AND ANIMAL INSECTICIDES. S. B. PENICK & COMPANY, INC., New York, N. Y.
Filed February 8, 1935. Serial No. 361,183. PUBLISHED APRIL 16, 1935. Class 6.

325,433. AGRICULTURAL AND ANIMAL INSECTICIDES. S. B. PENICK & COMPANY, INC., New York, N. Y.
Filed February 8, 1935. Serial No. 361,182. PUBLISHED APRIL 16, 1935. Class 6.

325,434. HATS FOR WOMEN AND MISSES. THE HAVERFIELD COMPANY, Columbus, Ohio.
Filed February 8, 1935. Serial No. 361,109. PUBLISHED APRIL 9, 1935. Class 39.

325,435. CANDIES. V. CLYDE CUMMINGS, Salt Lake City, Utah.
Filed February 7, 1935. Serial No. 361,138. PUBLISHED APRIL 16, 1935. Class 46.

325,436. COTTON GINS, FEEDERS, CONDENSERS PRESSES, LINT FLUES, CLEANERS, SEPARATORS, PNEUMATIC ELEVATORS, SCREW CONVEYORS, BELT DISTRIBUTORS, BURR MACHINERY, AND OTHER COTTON GINNING EQUIPMENT. CENTENNIAL COTTON GIN CO., Columbus, Ga.
Filed February 6, 1935. Serial No. 361,040. PUBLISHED APRIL 16, 1935. Class 23.

325,437. FABRIC GLOVES. VAN RAALTE COMPANY, New York, N. Y.
Filed February 5, 1935. Serial No. 361,068. PUBLISHED APRIL 9, 1935. Class 39.

325,438. WELDING ELECTRODES. AMERICAN MUREX CORPORATION, New York, N. Y.
Filed February 5, 1935. Serial No. 361,042. PUBLISHED APRIL 16, 1935. Class 14.

325,439. GASOLINE, KEROSENE, FURNACE OILS MOTOR LUBRICATING OILS AND LUBRICATING GREASES. OIL REFINERIES, INC., Shreveport, La.
Filed February 5, 1935. Serial No. 361,059. PUBLISHED APRIL 16, 1935. Class 15.

325,440. BLEACHING AND DISINFECTIVE TABLETS. MIDLAND CHEMICAL COMPANY, Chicago, Ill.
Filed February 4, 1935. Serial No. 361,021. PUBLISHED APRIL 16, 1935. Class 6.

325,441. DAILY NEWSPAPER. POST PUBLISHING CO., Los Angeles, Calif.
Filed February 28, 1935. Serial No. 361,392. PUBLISHED APRIL 16, 1935. Class 38.

325,442. PRINTING INKS, LITHOGRAPHIC INKS, AND MATERIALS USED IN PRODUCING SUCH INKS—NAMELY, DRY COLORS, VARNISHES, AND DRIERS. E. J. KELLY CO., Kalamazoo, Mich.
Filed February 28, 1935. Serial No. 361,969. PUBLISHED APRIL 16, 1935. Class 11.

325,443. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio.
Filed February 28, 1935. Serial No. 361,957. PUBLISHED APRIL 16, 1935. Class 21.

325,444. MANIPULATOR (TOOTH BRUSHES). RODERICK G. STEVENS, doing business as Hy-Kare Laboratories, Chicago, Ill.
Filed February 27, 1935. Serial No. 361,912. PUBLISHED APRIL 16, 1935. Class 29.

325,445. MANIPULATOR (TOOTH BRUSHES). RODERICK G. STEVENS, doing business as Hy-Kare Laboratories, Chicago, Ill.
Filed February 27, 1935. Serial No. 361,911. PUBLISHED APRIL 16, 1935. Class 29.

325,446. SECTION OR DEPARTMENT OF A COMMERCIAL DAILY PAPER. DOW, JONES & CO. INC., New York, N. Y.
Filed February 27, 1935. Serial No. 361,881. PUBLISHED APRIL 16, 1935. Class 38.

325,447. STRING TAGS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed February 27, 1935. Serial No. 361,880. PUBLISHED APRIL 16, 1935. Class 37.

325,448. WINE. AZTEC BUYING CORP., Los Angeles, Calif.
Filed February 27, 1935. Serial No. 361,870. PUBLISHED APRIL 16, 1935. Class 47.

325,449. GAS PRESSURE REGULATORS. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed February 27, 1935. Serial No. 361,866. PUBLISHED APRIL 16, 1935. Class 13.

325,450. CANDLES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 23, 1935. Serial No. 361,864. PUBLISHED APRIL 16, 1935. Class 15.

325,451. MEDICINAL PREPARATION TO BE USED AS AN ANTISEPTIC. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 16, 1935. Serial No. 361,489. PUBLISHED APRIL 16, 1935. Class 6.

325,452. MEDICINAL PREPARATION TO BE USED AS AN ANTISEPTIC. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 16, 1935. Serial No. 361,488. PUBLISHED APRIL 16, 1935. Class 6.

325,453. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. BOWLER BREWING COMPANY, Worcester, Mass.
Filed November 21, 1933. Serial No. 343,910. PUBLISHED JANUARY 16, 1934. Class 48.

325,454. LADIES' HATS. JAY GEE HAT CO., INC., New York, N. Y.
Filed January 22, 1935. Serial No. 360,541. PUBLISHED APRIL 9, 1935. Class 39.

325,455. NAIL CREAMS, NAIL POWDERS, NAIL POLISHES, AND NAIL BLEACHES. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,470. PUBLISHED APRIL 16, 1935. Class 6.

325,456. EYEBROW AND EYELASH GROWER, EYE DROPS, EYEBROW PENCILS, EYE WASHES, AND CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,469. PUBLISHED APRIL 16, 1935. Class 6.

325,457. EYEBROW AND EYELASH GROWER, EYE DROPS, EYEBROW PENCILS, EYE WASHES, AND CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,468. PUBLISHED APRIL 16, 1935. Class 6.

325,458. HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, AND HAIR DYES. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,467. PUBLISHED APRIL 16, 1935. Class 6.

325,459. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, REFRESHING CREAMS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, ETC. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,466. PUBLISHED APRIL 16, 1935. Class 6.

325,460. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, REFRESHING CREAMS, DRY ROUGES, LIQUID ROUGES, ETC. IRRESISTIBLE, INC., New York, N. Y.
Filed February 16, 1935. Serial No. 361,465. PUBLISHED APRIL 16, 1935. Class 6.

325,461. CHEESE CRACKERS. DUTCH MADE FOODS, INC., Buffalo, N. Y.
Filed March 2, 1935. Serial No. 362,073. PUBLISHED APRIL 16, 1935. Class 46.

325,462. WINDOW SHADES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 1, 1935. Serial No. 362,053. PUBLISHED APRIL 16, 1935. Class 32.

325,463. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PENCE BROS. PHARMACAL CO., Dayton, Ohio.
Filed March 1, 1935. Serial No. 362,041. PUBLISHED APRIL 16, 1935. Class 45.

325,464. WINDOW SHADES. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,759. PUBLISHED APRIL 16, 1935. Class 32.

325,465. DISPENSING CONTAINERS OF METAL FOR FLUIDS. MIRAN CHEMICAL PRODUCTS CORPORATION, St. Louis, Mo.
Filed January 26, 1935. Serial No. 360,723. PUBLISHED APRIL 16, 1935. Class 2.

325,466. APPLE SAUCE. SALTER CANNING COMPANY, North Rose, N. Y.
Filed January 24, 1935. Serial No. 360,647. PUBLISHED APRIL 16, 1935. Class 46.

325,467. SPECIALLY SHAPED REFRACTORY ELEMENTS AND METAL PARTS FOR FURNACE WALL AND ARCH CONSTRUCTION. DE WOLF FURNACE CORPORATION, Rochester, N. Y.
Filed January 24, 1935. Serial No. 360,627. PUBLISHED APRIL 16, 1935. Class 34.

325,468. EMBROIDERY THREAD. FIXLER BROS., INC., Chicago, Ill.
Filed January 23, 1935. Serial No. 360,584. PUBLISHED APRIL 2, 1935. Class 43.

325,469. MEDICINAL PREPARATION FOR THE RELIEF OF HEAD AND CHEST COLDS. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 18, 1935. Serial No. 361,537. PUBLISHED APRIL 16, 1935. Class 6.

325,470. FINGER RINGS. DANIEL F. EMBERT, Wheeling, W. Va.
Filed January 10, 1935. Serial No. 360,118. PUBLISHED APRIL 16, 1935. Class 28.

325,471. OLEOMARGARINE. THE COTTAGE CREAMERY CO., Cleveland, Ohio.
Filed March 12, 1935. Serial No. 362,402. PUBLISHED APRIL 16, 1935. Class 46.

325,472. LAUNDRY WASHING MACHINES. HOLLAND-RIEGER, INC., Sandusky, Ohio.
Filed March 9, 1935. Serial No. 362,313. PUBLISHED APRIL 16, 1935. Class 24.

325,473. LAUNDRY WASHING MACHINES. HOLLAND-RIEGER, INC., Sandusky, Ohio.
Filed March 9, 1935. Serial No. 362,312. PUBLISHED APRIL 16, 1935. Class 24.

325,474. ICE SKATES WITH SHOES ATTACHED. DAVEGA CITY RADIO, INC., New York, N. Y.
Filed March 9, 1935. Serial No. 362,299. PUBLISHED APRIL 16, 1935. Class 22.

325,475. SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed March 7, 1935. Serial No. 362,219. PUBLISHED APRIL 16, 1935. Class 17.

325,476. CIGARS. D. A. SCHULTE, INC., New York, N. Y.
Filed March 6, 1935. Serial No. 362,192. PUBLISHED APRIL 16, 1935. Class 17.

325,477. CARTOONS. EDWARD V. RICKENBACKER, New York, N. Y.
Filed March 5, 1935. Serial No. 362,151. PUBLISHED APRIL 16, 1935. Class 38.

325,478. DRAWINGS FOR ILLUSTRATIVE PURPOSES AND REPRODUCTION, AND CARTOONS. PERCY L. CROSBY, McLean, Va.
Filed March 5, 1935. Serial No. 362,136. PUBLISHED APRIL 16, 1935. Class 38.

325,479. FRATERNITY BADGES, LAPEL BUTTONS, SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. PHI SIGMA PHI SORORITY, Huntington Park, Calif.
Filed March 4, 1935. Serial No. 362,124. PUBLISHED APRIL 16, 1935. Class 28.

325,480. PREPARATION FOR CLEANING AND WHITENING ALL KINDS OF WHITE SHOES. THE SNO-KOTE COMPANY, New York, N. Y.
Filed March 2, 1935. Serial No. 362,096. PUBLISHED APRIL 16, 1935. Class 4.

325,481. CANDY. E. GREENFIELD'S SONS, INC., New York, N. Y.
Filed March 1, 1935. Serial No. 362,027. PUBLISHED APRIL 16, 1935. Class 46

325,482. MAGAZINE SECTION. FIELD PUBLICATIONS, INC., New York, N. Y.
Filed March 1, 1935. Serial No. 362,023. PUBLISHED APRIL 16, 1935. Class 38.

325,483. OINTMENT FOR THE SKIN. REMEDERM CORPORATION, New York, N. Y.
Filed January 31, 1935. Serial No. 360,904. PUBLISHED APRIL 16, 1935. Class 6.

325,484. BUTTER. THE BORDEN SOUTHERN COMPANY, New York, N. Y.
Filed January 31, 1935. Serial No. 360,877. PUBLISHED APRIL 16, 1935. Class 46.

325,485. TEA. JOSEPH TETLEY & CO., INC., New York, N. Y.
Filed January 30, 1935. Serial No. 360,864. PUBLISHED APRIL 16, 1935. Class 46.

325,486. LUBRICATING GREASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed February 26, 1935. Serial No. 361,857. PUBLISHED APRIL 16, 1935. Class 15.

325,487. BODKINS FOR USE AS FOOD UTENSILS. JAY J. SINDLER, Malden, Mass.
Filed February 26, 1935. Serial No. 361,853. PUBLISHED APRIL 16, 1935. Class 23.

325,488. ELECTRIC BLASTING CAPS. HERCULES POWDER COMPANY, Wilmington, Del.
Filed February 26, 1935. Serial No. 361,841. PUBLISHED APRIL 16, 1935. Class 9.

325,489. WINDSHIELD WIPER BLADES. REX-HIDE, INCORPORATED, East Brady, Pa.
Filed February 25, 1935. Serial No. 361,818. PUBLISHED APRIL 16, 1935. Class 19.

325,490. VEGETABLE SHORTENING. THE PARCEL COMPANY INCORPORATED, Brooklyn, N. Y.
Filed February 25, 1935. Serial No. 361,816. PUBLISHED APRIL 16, 1935. Class 46.

325,491. CONTAINERS COMPOSED OF PAPER—NAMELY, DRINKING CUPS. THE AMERICAN PAPER GOODS COMPANY, Kensington, Conn.
Filed February 25, 1935. Serial No. 361,795. PUBLISHED APRIL 16, 1935. Class 2.

325,492. THERMAL AND SOUND INSULATING WALL BOARD. PLASTERCON WALL BOARD COMPANY, Buffalo, N. Y.
Filed February 23, 1935. Serial No. 361,767. PUBLISHED APRIL 16, 1935. Class 12.

325,493. BANJOS, GUITARS, UKELELES, HARMONICAS, DRUMS, BRASS BAND INSTRUMENTS, CLARINETS, AND ACCESSORIES FOR BRASS BAND AND WOOD-WIND INSTRUMENTS. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed February 23, 1935. Serial No. 361,742. PUBLISHED APRIL 16, 1935. Class 36.

325,494. VARIOUS FOODS AND INGREDIENTS OF FOODS—VIZ., CANNED GOODS—NAMELY, FISH AND CRUSTACEANS, VEGETABLES, FRUITS, AND BERRIES, PORK AND BEANS, CATSUP, SAUCES AND DRESSINGS, PICKLES, OLIVES, ETC. COLLINS-DIETZ-MORRIS COMPANY, Oklahoma City, Okla.
Filed February 23, 1935. Serial No. 361,726. PUBLISHED APRIL 16, 1935. Class 46.

325,495. INNER TUBES FOR PNEUMATIC TIRES. AUTO-LEC STORES, INC., New Orleans, La.
Filed February 23, 1935. Serial No. 361,715. PUBLISHED APRIL 16, 1935. Class 35.

325,496. FERTILIZERS. SOUTHERN FERTILIZER & CHEMICAL COMPANY, Savannah, Ga.
Filed February 23, 1935. Serial No. 361,707. PUBLISHED APRIL 16, 1935. Class 10.

325,497. FOOD AND DRINKING BARS. PLEASURE BAR CORP., New York, N. Y.
Filed February 21, 1935. Serial No. 361,691. PUBLISHED APRIL 16, 1935. Class 32.

325,498. POLISH FOR METALS, GLASS, MARBLE, TILE, AND THE LIKE. JOSEPH MENDELBAUM, doing business as Jayzan, New York, N. Y.
Filed February 21, 1935. Serial No. 361,685. PUBLISHED APRIL 16, 1935. Class 4.

325,499. REFRACTORY BRICK. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo.
Filed February 21, 1935. Serial No. 361,680. PUBLISHED APRIL 16, 1935. Class 12.

325,500. GOLD JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. ARTHUR J. COOPERMAN & CO., New York, N. Y.
Filed February 20, 1935. Serial No. 361,607. PUBLISHED APRIL 16, 1935. Class 28.

325,501. BEER AND ALE. BELMONT ALE BREWERY COMPANY, Rockwood, Pa.
Filed February 20, 1935. Serial No. 361,602. PUBLISHED APRIL 16, 1935. Class 48.

325,502. VERMOUTH. ROLANDELLI CO., San Francisco, Calif.
Filed February 18, 1935. Serial No. 361,543. PUBLISHED APRIL 16, 1935. Class 47.

325,503. CARTOONS. EDWARD V. RICKENBACKER, New York, N. Y.
Filed February 18, 1935. Serial No. 361,542. PUBLISHED APRIL 16, 1935. Class 38.

325,504. DAILY NEWSPAPER PUBLISHED EVERY DAY EXCEPT SATURDAY. REPORTER PUBLISHING COMPANY, Abilene Tex.
Filed February 18, 1935. Serial No. 361,541. PUBLISHED APRIL 16, 1935. Class 38.

325,505. MEDICINAL PREPARATION FOR OAK AND IVY POISON, SUNBURN, PRICKLY HEAT RASH, INSECT BITES, AND OTHER MINOR SKIN IRRITATIONS. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 18, 1935. Serial No. 361,538. PUBLISHED APRIL 16, 1935. Class 6.

325,506. MEDICINAL PREPARATION FOR THE TREATMENT OF BURNS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 16, 1935. Serial No. 361,491. PUBLISHED APRIL 16, 1935. Class 6.

325,507. MEDICINAL PREPARATION TO BE USED AS AN ANTISEPTIC. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 16, 1935. Serial No. 361,490. PUBLISHED APRIL 16, 1935. Class 6.

325,508. MEDICINAL TABLETS FOR THE TREATMENT OF SIMPLE HEADACHES, NERVOUSNESS, AND STOMACH DISORDERS. MODERN LABORATORIES, Minneapolis, Minn.
Filed January 30, 1935. Serial No. 360,853. PUBLISHED APRIL 16, 1935. Class 6.

325,509. WOOLEN YARNS MADE OF A COMBINATION CONSISTING OF CASHMERE, ANGORA, AND AUSTRALIAN ZEPHYR WOOL. MORGAN & GOETZE KNITTING MILLS, INC., Irvington, N. J.
Filed January 30, 1935. Serial No. 360,854. PUBLISHED APRIL 2, 1935. Class 43.

325,510. KNITTED GLOVES, MITTENS, SCARFS, HATS, AND CAPS, INTENDED FOR USE BY MEN, WOMEN, AND CHILDREN. M. FRIEDLANDER KNITTING COMPANY, Milwaukee, Wis.
Filed January 30, 1935. Serial No. 360,847. PUBLISHED APRIL 9, 1935. Class 39.

325,511. YARNS. WOOL NOVELTY COMPANY, INC., New York, N. Y.
Filed January 28, 1935. Serial No. 360,813. PUBLISHED APRIL 16, 1935. Class 43.

325,512. YARN FORMED BY TWISTING, CONVOLUTING, PLAITING, OR OTHERWISE WORKING FILMS, BANDS, AND FILAMENTS OF FIBROUS AND NON-FIBROUS MATERIAL. SYLVANIA INDUSTRIAL CORPORATION, New York, N. Y., and Fredericksburg, Va.
Filed January 28, 1935. Serial No. 360,810. PUBLISHED APRIL 16, 1935. Class 43.

325,513. BOILER FEED WATER COMPOUND. SUGAR BEET PRODUCTS COMPANY, Saginaw, Mich.
Filed January 28, 1935. Serial No. 360,807. PUBLISHED APRIL 16, 1935. Class 6.

325,514. BOILER FEED WATER COMPOUND. SUGAR BEET PRODUCTS COMPANY, Saginaw, Mich.
Filed January 28, 1935. Serial No. 360,806. PUBLISHED APRIL 16, 1935. Class 6.

325,515. KITS FOR SEALING GLASSES AND JARS. CLIPAY CORPORATION, Cincinnati, Ohio.
Filed January 28, 1935. Serial No. 360,761. PUBLISHED APRIL 16, 1935. Class 50.

325,516. TEXTILE MACHINERY PARTS—NAMELY, BOBBINS, SPOOLS, SHUTTLES, LEASE RODS, QUILLS, SPEEDERS, SLUBBERS, AND TWISTERS. JAS. H. BILLINGTON CO., Philadelphia, Pa.
Filed February 16, 1935. Serial No. 361,453. PUBLISHED APRIL 16, 1935. Class 23.

325,517. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF CHRONIC ARTHRITIS, NEURITIS, AND RHEUMATOID CONDITIONS GENERALLY. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed February 15, 1935. Serial No. 361,419. PUBLISHED APRIL 16, 1935. Class 6.

325,518. LIPSTICKS, ROUGE, FACE POWDER, PERFUMES, AND TOILET WATERS. JAMES L. YOUNGHUSBAND, Chicago, Ill.
Filed February 14, 1935. Serial No. 361,407. PUBLISHED APRIL 16, 1935. Class 6.

325,519. DEER SKINS. HERMANN LOEWENSTEIN, New York, N. Y.
Filed February 14, 1935. Serial No. 361,394. PUBLISHED APRIL 16, 1935. Class 1.

325,520. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. J. M. CONNELL SHOE CO., INC., South Braintree, Mass.
Filed February 14, 1935. Serial No. 361,383. PUBLISHED APRIL 9, 1935. Class 39.

325,521. WINES. CALIFORNIA VINEYARDS COMPANY, Chicago, Ill.
Filed February 13, 1935. Serial No. 361,355. PUBLISHED APRIL 16, 1935. Class 47.

325,522. ANIMAL HAIR AND ANIMAL FIBRE. ANNA STATNEKOO, New York, N. Y.
Filed February 12, 1935. Serial No. 361,338. PUBLISHED APRIL 16, 1935. Class 1.

325,523. LIQUID AND/OR PASTE TO BE USED AS A CLEANER, DRESSING, AND/OR POLISH PRINCIPALLY ON LEATHER, FABRIC, RUBBER SHOES, AND FOOTWEAR FOR MEN, WOMEN, AND CHILDREN. SIGNAL CHEMICAL CO., Boston, Mass.
Filed February 11, 1935. Serial No. 361,286. PUBLISHED APRIL 16, 1935. Class 4.

325,524. VETERINARY PREPARATIONS FOR USE IN CONNECTION WITH THE TREATMENT OF DOGS AND CATS. BOB MARTIN (EXPORT) LIMITED, Southport, England.
Filed February 11, 1935. Serial No. 361,277; PUBLISHED APRIL 16, 1935. Class 6.

325,525. COFFEE. BROCKELMAN BROS., INC., Worcester, Mass.
Filed February 11, 1935. Serial No. 361,251. PUBLISHED APRIL 16, 1935. Class 46.

325,526. ANTERIOR-PITUITARY HORMONE MEDICINAL PRODUCT OF SPECIFIC USE FOR THE CONTROL OF THYROID DYSFUNCTIONS. AYERST, MCKENNA & HARRISON, LTD., Montreal, Quebec, Canada.
Filed February 11, 1935. Serial No. 361,249. PUBLISHED APRIL 16, 1935. Class 6.

325,527. CONCENTRATED VITAMIN B MEDICINAL PRODUCT OF A HIGHLY CONCENTRATED FORM OF BREWERS' YEAST (SACCHAROMYCES CEREVISIÆ) AND WHEAT EMBRYO. AYERST, MCKENNA & HARRISON, LTD., Montreal, Quebec, Canada.
Filed February 11, 1935. Serial No. 361,247. PUBLISHED APRIL 16, 1935. Class 6.

325,528. ASH TRAYS. HAROLD E. WATSON, Morristown, N. J.
Filed February 9, 1935. Serial No. 361,237. PUBLISHED APRIL 16, 1935. Class 8.

325,529. HEAT AND SOUND INSULATION MATERIAL. UNIVERSAL INSULATION COMPANY, Chicago, Ill.
Filed February 8, 1935. Serial No. 361,196. PUBLISHED APRIL 16, 1935. Class 12.

325,530. HEAT AND SOUND INSULATION MATERIAL. UNIVERSAL INSULATION COMPANY, Chicago, Ill.
Filed February 8, 1935. Serial No. 361,195. PUBLISHED APRIL 16, 1935. Class 12.

325,531. WOOLEN YARNS AND COTTON YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 8, 1935. Serial No. 361,194. PUBLISHED APRIL 16, 1935. Class 43.

325,532. AGAR-AGAR. LAWRENCE OLIVER, doing business as Golden State Agar Company, San Diego, Calif.
Filed January 16, 1935. Serial No. 360,324. PUBLISHED APRIL 16, 1935. Class 6.

325,533. LADIES' HATS. OGUS, RABINOVICH & OGUS, INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,323. PUBLISHED APRIL 9, 1935. Class 39.

325,534. NATURAL CARBONATED WATER. GRISTEDE BROS. INC., New York, N. Y.
Filed January 15, 1935. Serial No. 360,277. PUBLISHED APRIL 16, 1935. Class 45.

325,535. THREAD AND YARN. ALPERT & BRODER, INC., New York, N. Y.
Filed January 14, 1935. Serial No. 360,197. PUBLISHED APRIL 2, 1935. Class 43.

325,536. CORSETS AND BRASSIÈRES. THE RITE FORM CORSET CO. INC., New York, N. Y.
Filed January 11, 1935. Serial No. 360,142. PUBLISHED APRIL 9, 1935. Class 39.

325,537. DENTURE BLANKS AND REPAIR FLUID FOR DENTURE BLANKS. ALFRED M. RACHITSCHEK, Brooklyn, N. Y.
Filed January 9, 1935. Serial No. 360,077. PUBLISHED APRIL 16, 1935. Class 44.

325,538. RIBBON MADE OF CELLULOSE FILM. THE WALSER MANUFACTURING COMPANY, INC., Clifton, N. J.
Filed January 7, 1935. Serial No. 360,011. PUBLISHED APRIL 16, 1935. Class 37.

325,539. SINKS, BATHTUBS, LAVATORIES, WATER CLOSETS, AND CLOSET SEATS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 7, 1935. Serial No. 360,001. PUBLISHED APRIL 16, 1935. Class 13.

325,540. OIL COLORS. F. WEBER CO., Philadelphia, Pa.
Filed May 22, 1933. Serial No. 338,120. PUBLISHED APRIL 16, 1935. Class 16.

325,541. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 2, 1934. Serial No. 345,582. PUBLISHED APRIL 16, 1935. Class 46.

325,542. KNITTED CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN. EAGLE KNITTING MILLS, Milwaukee, Wis.
Filed December 11, 1933. Serial No. 344,771. PUBLISHED APRIL 16, 1935. Class 39.

325,543. SLIDE FASTENERS. CROWN FASTENER CORPORATION, Wilmington, Del., and New York, N. Y.
Filed December 24, 1934. Serial No. 359,615. PUBLISHED APRIL 16, 1935. Class 13.

325,544. RUNNING GEAR OF HORSE OR MULE DRAWN FARM WAGONS. SPRINGFIELD WAGON & TRAILER COMPANY, Springfield, Mo.
Filed December 24, 1934. Serial No. 359,636. PUBLISHED APRIL 16, 1935. Class 19.

325,545. STERILIZED EARTH AND THE LIKE. WILLIAM C. DUCKHAM, Madison, N. J.
Filed December 28, 1934. Serial No. 359,714. PUBLISHED APRIL 16, 1935. Class 1.

325,546. PACKING MATERIALS, BEDDING AND UPHOLSTERY SUPPLIES—NAMELY, EXCELSIOR, SHREDDED PAPER, WOOD WOOL WHICH IS A REFINED GRADE EXCELSIOR, KAPOK, PROCESSED KAPOK, COTTON LINTERS, COTTON FELTS, COTTON COMBERS, GARNETTED CLIPPINGS, LAMBS WOOL, MOSS, FIBRES, TOW, COTTON BATTS, AND HAIR. ALPINE EXCELSIOR CO., INC., New York, N. Y.
Filed January 2, 1935. Serial No. 359,840. PUBLISHED APRIL 9, 1935. Class 1.

325,547. SHOE POLISH. FRANK H. RAND, doing business as Rand Products Co., Worcester, Mass.
Filed January 4, 1935. Serial No. 359,928. PUBLISHED APRIL 16, 1935. Class 4.

325,548. VETERINARY MEDICINES. CARLTON D. BELL, doing business as Dr. Bell Wonder Medicine Co., Kingston, Ontario, Canada, and Alexandria Bay, N. Y.
Filed January 5, 1935. Serial No. 359,940. PUBLISHED APRIL 16, 1935. Class 6.

325,549. FUEL BURNING MANTLES. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans.
Filed January 7, 1935. Serial No. 359,985. PUBLISHED APRIL 16, 1935. Class 34.

325,550. CHEMICAL PREPARATIONS FOR WATERPROOFING AND WEATHERPROOFING CEMENT, BRICKS, BUILDING AND FIBRE MATERIALS. WEATHERBEND PRODUCTS, INC., New York, N. Y.
Filed January 16, 1935. Serial No. 360,328. PUBLISHED APRIL 16, 1935. Class 12.

325,551. ROUGE, TALCUM, BODY POWDER, PERFUME, TOILET WATER, FLORIDA WATER, TOOTH PASTES, BAY RUM, BATH SALTS, LEMON CREAM, VANISHING CREAM, ETC. VIENNESE LABORATORIES, INC., Brooklyn, N. Y.
Filed January 18, 1935. Serial No. 360,424. PUBLISHED APRIL 16, 1935. Class 6.

325,552. TOOTH POWDER. THE DOX COMPANY, Hastings, Nebr.
Filed January 19, 1935. Serial No. 360,433. PUBLISHED APRIL 16, 1935. Class 6.

325,553. FUR COATS, FUR MUFFS, AND FUR SCARFS. B. GELLER & SONS, INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,472. PUBLISHED MARCH 5, 1935. Class 39.

325,554. LADIES' AND MISSES' HATS. SAM-MOR HAT CO., INC., New York, N. Y.
Filed January 21, 1935. Serial No. 360,491. PUBLISHED APRIL 9, 1935. Class 39.

325,555. TAR PAINT. THE COLORADO FUEL AND IRON PRODUCTS COMPANY, Denver, Colo.
Filed January 22, 1935. Serial No. 360,524. PUBLISHED FEBRUARY 26, 1935. Class 16.

325,556. DAIRYING APPARATUS — NAMELY, PASTEURIZING MACHINES AND DEODORIZING MACHINES AND PARTS THEREOF. MURRAY DEODORISERS LIMITED, Auckland, New Zealand.
Filed September 28, 1934. Serial No. 356,566. PUBLISHED APRIL 16, 1935. Class 23.

325,557. SHOES MADE OF LEATHER, RUBBER OR FABRIC, OR COMBINATIONS OF THE SAME. THE MERIDAN COMPANY, Rochester, N. Y.
Filed October 1, 1934. Serial No. 356,629. PUBLISHED JANUARY 15, 1935. Class 39.

325,558. AUTOMOTIVE PRODUCTS—NAMELY, ELECTRIC FANS AND HEATERS FOR COOLING OR HEATING THE ENCLOSED SPACE OF THE AUTOMOBILE BODY. G. A. ASHTON COMPANY, INC., St. Paul, Minn.
Filed October 5, 1934. Serial No. 356,792. PUBLISHED APRIL 16, 1935. Class 21.

325,559. SWEET MILK, BUTTER MILK, CREAM, ICE CREAM, ICES, SHERBETS, BUTTER, ORANGE JUICE AND FRUIT JUICES FOR FOOD PURPOSES. DAVIS S. COX, doing business as Columbus Ice Cream and Creamery Company, Columbus, Miss.
Filed October 5, 1934. Serial No. 356,981. PUBLISHED APRIL 16, 1935. Class 46.

325,560. GASOLINE. INTERURBAN PETROLEUM CORP., New York, N. Y.
Filed January 27, 1934. Serial No. 346,639. PUBLISHED APRIL 16, 1935. Class 15.

325,561. PINON NUTS. LEO AGNESS, INC., Albuquerque, N. Mex.
Filed February 6, 1934. Serial No. 347,003. PUBLISHED APRIL 16, 1935. Class 46.

325,562. AMPOULES CONTAINING LOCAL ANESTHETIC MATERIAL IN SOLUTION FOR DENTAL PURPOSES. RELIANCE DENTAL MANUFACTURING CO., Chicago, Ill.
Filed September 29, 1933. Serial No. 341,842. PUBLISHED APRIL 16, 1935. Class 6.

325,563. SPARKLING WINES. WHITE TOP CHAMPAGNE COMPANY, Hammondsport, N. Y.
Filed October 7, 1933. Serial No. 342,251. PUBLISHED AUGUST 14, 1934. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

325,564. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BARNEY CLAMAGE DISTILLING CO., Chicago, Ill.
Filed Sept. 8, 1934. Serial No. 355,825.

HIRAM TAYLOR

For Whiskey.
Claims use since May 15, 1934.

325,565. (CLASS 39. CLOTHING.) THE ENRO SHIRT CO., Louisville, Ky. Filed Mar. 9, 1934. Serial No. 348,376.

Tailorized

For Men's Dress and Negligee Shirts, Underwear, and Pajamas.
Claims use since Feb. 1, 1934.

325,566. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Mar. 7, 1934. Serial No. 348,265.

HOLBROOK

For Woven Textile Rugs and Carpets.
Claims use since Feb. 10, 1934.

325,567. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Feb. 24, 1934. Serial No. 347,782.

BEAUMONT WILTON

For Woven Textile Rugs and Carpets.
Claims use since Feb. 6, 1934.

325,568. (CLASS 39. CLOTHING.) WELLS LAMONT-SMITH CORPORATION, Minneapolis, Minn. Filed Jan. 26, 1934. Serial No. 346,617.

RIST-FIT

For Work Gloves of Fabric and Combined Fabric and Leather.
Claims use since Jan. 18, 1934.

325,569. (CLASS 39. CLOTHING.) STETTHEIMER, HAUSMAN CO., San Francisco, Calif. Filed Sept. 20, 1933. Serial No. 341,743.

Burr-Laps

For Pull-Over Sweaters, Coats, Lounging and Beach Pajamas, Bathrobes, Lounging Jackets, Polo Shirts, and Berets for Men, Boys, Girls, and Women.
Claims use since Aug. 1, 1933.

325,570. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN STEEL FOUNDERIES, Chicago, Ill. Filed Sept 13, 1932. Serial No. 330,284.

PEER LESS

For Draft Rigging Comprising Draft Gears, Check Plates, Back Stop Castings, Yokes, Pins, Followers, Wedge Blocks, and Draft Lugs.
Claims use since June, 1928.

325,571. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) NELLIE DOWLE MORRISSETTE, Montreal, Quebec, Canada. Filed Aug. 7, 1933. Serial No. 340,460.

MORRIS'S SLOE GIN

For Sloe Gin.
Claims use since Apr. 25, 1925.

325,572. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WEAN ENGINEERING COMPANY, INC., Warren, Ohio. Filed Jan. 9, 1932. Serial No. 322,871.

"COMBINATION SYSTEM"

For Mechanical Feeder, Catcher and Conveying Means for Conveying Packs to and from and Through Heating Furnaces, All for Sheet and Tin Mills.
Claims use since Dec. 26, 1931.

325,573. (CLASS 15. OILS AND GREASES.) SUPERIOR OIL WORKS, Warren, Pa. Filed Apr. 30, 1935. Serial No. 364,404.

America's Finest

For Motor Oil.
Claims use since June, 1933.

325,574. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CROWN FABRICS CORPORATION, New York, N. Y. Filed Apr. 15, 1935. Serial No. 363,746.

WULLY

For Cotton Fabrics in the Piece.
Claims use since March, 1933.

325,575. (CLASS 39. CLOTHING.) THE ALLIGATOR COMPANY, St. Louis, Mo. Filed Apr. 13, 1935. Serial No. 363,690.

GALECOAT

For Men's, Women's, Boys', and Girls' Raincoats and Topcoats of All Kinds.
Claims use since Dec. 5, 1932.

325,576. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INC., Baltimore, Md. Filed Mar. 30, 1935. Serial No. 363,224.

STANTON

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since July, 1929.

325,577. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Mar. 23, 1935. Serial No. 362,934.

Glossitwist

For Cotton Yarn for Knitting, Crocheting, and Art Needlework Generally.
Claims use since February, 1934.

325,578. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Mar. 22, 1935. Serial No. 362,887.

Les Lettres

For Writing Paper and Envelopes.
Claims use since June 1, 1933.

325,579. (CLASS 39. CLOTHING.) THE LUCILE SOMARCO BRASSIERE, New York, N. Y. Filed Mar. 9, 1935. Serial No. 362,329.

BAREBAK

For Brassières, Corsets, Bandeaux, and Corset and Brassière Combinations.
Claims use since Feb. 19, 1934.

325,580. (CLASS 39. CLOTHING.) SEYMOUR S. GREAN, New York, N. Y. Filed Feb. 28, 1935. Serial No. 361,959.

"SHOULDER-EASE"

For Fur Coats, Fur Jackets, Fur Scarfs, and Fur Gloves.
Claims use since January, 1934.

325,581. (CLASS 39. CLOTHING.) OLIVER N. HOBBS, Brooklyn, N. Y. Filed July 18, 1934. Serial No. 354,041.

EVER-CLING

For Pajamas.
Claims use since Apr. 18, 1934.

325,582. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) AZTEC BUYING CORP., Los Angeles, Calif. Filed June 23, 1934. Serial No. 353,055.

EDDIE BAKER

For Whiskey.
Claims use since Jan. 18, 1934.

325,583. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE F. & M. SCHAEFER BREWING CO., Brooklyn, N. Y. Filed June 21, 1934. Serial No. 352,990.

SCHAEFER

For Beer.
Claims use since May 7, 1934.

325,584. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERKINS PRODUCTS COMPANY, doing business as The Speedy-Jel Co., Chicago, Ill. Filed June 9, 1934. Serial No. 352,501.

Speedy-freez

For Ice Cream Powder.
Claims use since May 1, 1934.

325,585. (CLASS 39. CLOTHING.) BEST & CO. INC., New York, N. Y. Filed June 4, 1934. Serial No. 352,220.

Erinmesh

For Dresses, Coats, Blouses, Sweaters, Hats, Slacks, Shorts, Shirtwaists, and Underskirts, Bathing Suits, Bath Robes and Underwear for Women, Misses, and Children; also for Sweaters, Hats, Slacks, Shorts, Dress Shirts, Negligee Shirts, Work Shirts, Sport Shirts, and Undershirts, Bathing Suits, Bath Robes, and Underwear for Men and Boys.
Claims use since May 15, 1934.

325,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER AND HART, INC., Chicago, Ill. Filed May 29, 1934. Serial No. 352,040.

SABROSA CARNE

For Prepared Pork.
Claims use since Apr. 25, 1934.

325,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLES & CO., Chicago, Ill. Filed May 26, 1934. Serial No. 351,918.

TRUE AMERICAN

For Canned Vegetables.
Claims use since May 8, 1934.

325,588. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS MARX & CO., INC., New York, N. Y. Filed May 22, 1934. Serial No. 351,676.

JOE PENNER

For Dolls and Mechanical Toys Made of Metal, Wood, Textile Fabrics and/or Combinations Thereof, Table Board Games Played with Pieces, Playing Cards, Toy Moving Pictures Made of Paper Composition, and Projection Machines Therefor; Children's Joke and Paint Books, Wooden Blocks and Stuffed Toy Ducks, Baseballs and Baseball Gloves.
Claims use since Apr. 17, 1934.

325,589. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EMILY JONES, New York, N. Y. Filed Apr. 23, 1934., Serial No. 350,333.

JANS

For Arch Supports.
Claims use since February, 1934.

TRADE-MARK REGISTRATIONS RENEWED

12,393. MEDICINE FOR CERTAIN NAMED DISEASES. Registered July 7, 1885. HERMAN KNORR. Re-renewed July 7, 1935, to Emil Knorr, doing business as Knorr Medical Company, Detroit, Mich., assignee.

95,345. FERTILIZERS. Registered February 10, 1914. PATAPSCO GUANO COMPANY, Baltimore, Md. Renewed February 10, 1934, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, successor.

103,206. STEEL BLOCKS AND BARS, FORGED PIECES FOR MACHINES, ARTISANS' TOOLS, CUTTING-TOOLS, AND SPRINGS. Registered March 23, 1915. PODLHÜTTE TIEGELGUSSSTAHLFABRIK, Vienna and Kladno, Austria-Hungary. Renewed March 23, 1935, to Poldihütte Aktiengesellschaft, Kladno, Czechoslovakia, a joint stock company of Czechoslovakia, assignee by mesne assignments.

104,013. BLENDED COFFEES. Registered April 27, 1915. THE CAMPBELL & WOODS COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 27, 1935.

104,074. BREWERS' DRIED GRAINS. Registered April 27, 1915. PENN GRAINS AND FEED COMPANY. Renewed April 27, 1935, to Penn Grains and Feed Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

104,179. WRITING-PAPER, PRINTING-PAPER, ENVELOPS, TABLETS, WRITING-CARDS, AND CARD-BOARD. Registered May 4, 1915. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Renewed May 4, 1935, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee by mesne assignments.

104,381. METAL FENCING, GATES, AND FENCE-POSTS. Registered May 25, 1915. DWIGGINS WIRE FENCE COMPANY, Anderson, Ind. Renewed May 25, 1935, to Mid-States Steel & Wire Company, Crawfordsville, Ind., a corporation of Indiana, assignee.

104,461. WRITING-PAPER. Registered June 1, 1915. E. E. LLOYD PAPER CO., Chicago, Ill., a corporation of Illinois. Renewed June 1, 1935.

104,518. ILLUMINATING-GLASSWARE. Registered June 1, 1915. STEUBEN GLASS WORKS. Renewed June 1, 1935, to Corning Glass Works, Corning, N. Y., a corporation of New York, by merger.

104,708. COTTON PIECE GOODS. Registered June 15, 1915. THE CARL COMPANY, Schenectady, N. Y., a corporation of New York. Renewed June 15, 1935.

104,846. AUTOMOBILE OIL. Registered June 22, 1915. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 22, 1935.

105,015. CERTAIN NAMED MACHINERY AND TOOLS AND PARTS THEREOF. Registered June 29, 1915. FLINT AND WALLING MANUFACTURING CO., Kendallville, Ind., a corporation of Indiana. Renewed June 29, 1935.

105,180. SPECIFIC ACTIVATORS OF THE INTESTINAL DIGESTIVE GLANDS. Registered July 13, 1915. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 13, 1935.

105,432. PRINTED AND DYED COTTON GOODS. Registered July 27, 1915. THE EDDYSTONE MANUFACTURING COMPANY, Eddystone and Philadelphia, Pa. Renewed July 27, 1935, to The Eddystone Manufacturing Company, Eddystone, Pa., a corporation of Pennsylvania.

105,566. NON-ALCOHOLIC CARBONATED BEVERAGES AND FRUIT ESSENCES FOR MAKING SAME. Registered August 3, 1915. STEVENSON & HOWELL, LIMITED, London, England, a corporation of Great Britain. Renewed August 3, 1935.

105,667. CERTAIN NAMED BELTING, HOSE, MACHINERY PACKING, AND TIRES. Registered August 10, 1915. MONTGOMERY WARD & CO. INC., New York and Brooklyn, N. Y.; Chicago, Ill.; Fort Worth, Tex.; Kansas City, Mo.; and Portland, Oreg. Renewed August 10, 1935, to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

105,804. EXPANSION-BOLTS, ANCHOR-BOLTS, AND TOGGLE-BOLTS. Registered August 17, 1915. NORMAN MELLOR, doing business as Ankyra Manufacturing Company, Philadelphia, Pa. Renewed August 17, 1935.

105,915. CHAINS AND PARTS OF STEEL OR OTHER BASE METALS, USED IN MACHINERY AND GENERAL PURPOSES. Registered August 24, 1915. THE JEFFERY MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed August 24, 1935.

106,199. A SEDATIVE. Registered October 19, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,200. AN ANTIRHEUMATIC. Registered October 19, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,201. A PURGATIVE. Registered October 19, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,202. A SEDATIVE AND HYPNOTIC. Registered October 19, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,205. SEWING-MACHINES, VACUUM-CLEANERS, AND CARPET-SWEEPERS. Registered October 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,206. SEWING-MACHINES, VACUUM-CLEANERS, AND CARPET-SWEEPERS. Registered October 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,207. BABY-CARRIAGES AND GO-CARTS. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,208. BABY-CARRIAGES AND GO-CARTS. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,209. PHONOGRAPHS, TALKING - MACHINES, PIANOS, ORGANS, AND MUSIC-BOXES. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,210. PHONOGRAPHS, TALKING - MACHINES, PIANOS, ORGANS, AND MUSIC-BOXES. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,211. REFRIGERATORS. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,212. REFRIGERATORS. Registered October 19, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y. Renewed October 19, 1935, to The Buckley, Newhall Company, New York, N. Y., a corporation of New York.

106,285. AN ANTIGONORRHEIC AND ASTRINGENT MEDICAL SUBSTANCE. Registered October 19, 1915. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 19, 1935.

106,328. SMOKELESS RIFLE-POWDER. Registered October 19, 1915. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed October 19, 1935.

106,401. COTTON-BAGS. Registered October 19, 1915. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Renewed October 19, 1935.

106,410. WOOLEN PIECE GOODS. Registered October 19, 1915. THE CLEVELAND WORSTED MILLS CO., Cleveland, Ohio, a corporation of Ohio. Renewed October 19, 1935.

106,624. COFFEE. Registered October 26, 1915. C. D. KENNY CO., Baltimore, Md., a corporation of Maryland. Renewed October 26, 1935.

106,662. MATCHES. Registered October 26, 1915. THE OHIO MATCH COMPANY, Wadsworth, Ohio, a corporation of Ohio. Renewed October 26, 1935.

106,718. COTTON, WORSTED, AND MERINO YARN. Registered October 26, 1915. WILLIAM WHITMAN COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Renewed October 26, 1935.

106,808. COFFEE, TEA, AND COCOA. Registered October 26, 1915. C. FRANK SMITH, Detroit, Mich. Renewed October 26, 1935.

106,810. MEASURING-RULES. Registered October 26, 1915. THE STANLEY RULE & LEVEL COMPANY. Renewed October 26, 1935, to The Stanley Works, New Britain, Conn., a corporation of Connecticut, assignee.

LABELS

REGISTERED JUNE 25, 1935

45,862.—*Title:* AMARO AMERICANO BERRETTA. For a Medicinal Preparation. GIUSEPPE BERRETTA, doing business as Laboratorio Industriale di G. Berretta, Brooklyn, N. Y. Published May 15, 1935.

45,863.—*Title:* BOHEMIAN'S CRUSHED WHEATEN BREAD. For Bread. BOHEMIAN BAKING COMPANY, Green Bay, Wis. Published April 19, 1935.

45,864.—*Title:* CARPENTER OIL-HARD MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published March 19, 1935.

45,865.—*Title:* CARPENTER OIL-TOUGH MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published March 19, 1935.

45,866.—*Title:* CARPENTER OIL-WEAR MATCHED TOOL STEEL. For Matched Tool Steel. THE CARPENTER STEEL COMPANY, Reading, Pa. Published March 19, 1935.

45,867.—*Title:* MOR-A. For Beauty Preparations. DEALERS SUPPLY COMPANY, Cleveland, Ohio. Published February 15, 1932.

45,868.—*Title:* DELCO-REMY SERVICE PARTS, HEAVY DUTY IGNITION COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published January 11, 1934.

45,869.—*Title:* DELCO-REMY SERVICE PARTS, STANDARD UNIVERSAL IGNITION COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published May 8, 1933.

45,870.—*Title:* DELCO-REMY SERVICE PARTS, SPECIAL UNIVERSAL IGNITION COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published October 20, 1933.

45,871.—*Title:* DELCO-REMY SERVICE PARTS, IGNITION COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published January 24, 1933.

45,872.—*Title:* DELCO-REMY SERVICE PARTS, 6-VOLT IGNITION COIL. For Coils. DELCO-REMY CORPORATION, Anderson, Ind. Published April 8, 1935.

45,873.—*Title:* SCRAM. For Cleansing Compound. ELJAY LABORATORIES, INC., Boston, Mass. Published May 28, 1935.

45,874.—*Title:* DIXIE WHITE. CLEANS AND PRESERVES ALL WHITE FOOTWEAR. DOES NOT RUB OFF. For Shoe Polish. JENCO BROTHERS, INC., Paterson, N. J. Published March 1, 1935.

45,875.—*Title:* PRUNO CONCENTRATE MADE FROM PURE JUICE OF DRIED CALIFORNIA PRUNES. For Concentrated Prune Juice. THE W. E. LONG CO., Chicago, Ill. Published May 16, 1935.

45,876.—*Title:* PRINCETON CLUB. For Straight Bourbon Whiskey. NEW ERA PRODUCTS CO., Milwaukee, Wis. Published May 27, 1935.

45,877.—*Title:* SOLVIT DRAIN CLEANER. For Chemical Drain Cleaner. NORTHWEST SALES COMPANY, Detroit, Mich. Published November 21, 1934.

45,878.—*Title:* O. G. V. OLIVE CASTILE SHAMPOO. For Shampoo. OGILVIE SISTERS LABORATORIES, INC., New York, N. Y. Published December 10, 1934.

45,879.—*Title:* O. G. V. SCALP POMADE. For Scalp Pomade. OGILVIE SISTERS LABORATORIES, INC., New York, N. Y. Published December 10, 1934.

45,880.—*Title:* DANIEL BOONE LOGS. For Construction Game or Toy. PIONEER TOYS, INCORPORATED, Johnson City, Tenn. Published April 1, 1935.

45,881.—*Title:* BLUE MOON LIQUID VELVET WAX. For Polish for Automobiles. OSCAR PROVENSAL, Woonsocket, R. I. Published May 11, 1935.

45,882.—*Title:* LITTLE TREES. For an Alcoholic Beverage. GIOVANNI PUZIELLO & CO. INC., New Haven, Conn. Published April 15, 1935.

45,883.—*Title:* KUMMEL SCHNEE. For an Alcoholic Beverage. GIOVANNI PUZIELLO & CO. INC., New Haven, Conn. Published April 15, 1934.

45,884.—*Title:* OLD GRAPE VINE. For Port Wine. SAN GABRIEL VINEYARD COMPANY, San Gabriel, Calif. Published April 9, 1935.

45,885.—*Title:* HY-KARE. For Gum Massage Jelly and Gum Manipulators (Tooth Brushes). RODERICK G. STEVENS, doing business as Hy-Kare Laboratories, Chicago, Ill. Published April 22, 1935.

45,886.—*Title:* F A O. For a Medicated Shampoo for Household Pets. SUPREME LABORATORIES, Chicago, Ill. Published March 27, 1935.

45,887.—*Title:* TEL-PRO SKIN BALM. For a Skin Balm. GEORGE P. TELLING, Pasadena, Calif. Published May 13, 1935.

45,888.—*Title:* VALVOLINE. For Motor Oil. VALVOLINE OIL COMPANY, Cincinnati, Ohio. Published May 14, 1935.

45,889.—*Title:* LAFRINETTE. For Foundation Garments. VOGUE MFG. CO., Newark, N. J. Published January 15, 1935.

PRINTS

REGISTERED JUNE 25, 1935

15,228.—*Title:* IT IS VITAL NOW TO KEEP HER ENERGY HIGH. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published May 10, 1935.

15,229.—*Title:* HERE'S SOMETHING NEW THAT MAKES THE "CEREAL HATING" CHILD GO FOR A GREAT BIG BREAKFAST OF WHOLE WHEAT MORNINGS. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published May 5, 1935.

15,230.—*Title:* BREAD HELPS MAKE AMERICA GO! For Bread. GENERAL MILLS, INC., Minneapolis, Minn. Published April 8, 1935.

15,231.—*Title:* I'LL RISK A LOT FOR A NEWSREEL SCOOP BUT BLOW-OUTS HAVE ME SCARED (Ad No. GBC-55). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published May 25, 1935.

15,232.—*Title:* THE GREEKS HAD A WORD FOR 'COFFEE-FLOATERS'. For Coffee. HILLS BROS., San Francisco, Calif. Published May 3, 1935.

15,233.—*Title:* PICNIC EXPERIENCE ENDS 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published May 10, 1935.

15,234.—*Title:* BRIDEGROOM SAVES WIFE FROM 'COFFEE-FLOATING'. For Coffee. HILLS BROS., San Francisco, Calif. Published May 17, 1935.

15,235.—*Title:* INDUSTRY WORKS IN LEHIGH SAFETY SHOES. For Leather and Rubber Boots and Shoes. LEHIGH SAFETY SHOE CO., INC., Allentown, Pa. Published November 12, 1934.

15,236.—*Title:* GET HONEYWISE. For Non-Alcoholic Soft Beverages. MELBRU CO., Detroit, Mich. Published May 6, 1935.

15,237.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 25, 1935.

15,238.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published April 25, 1935.

15,239.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 24, 1935.

15,240.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 1, 1935.

15,241.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 20, 1935.

15,242.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 25, 1935.

15,243.—*Title:* IT'S TIME FOR PABST—. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 24, 1935.

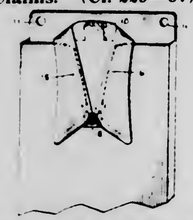
15,244.—*Title:* VALUE ON TOP OF VALUE . . WHITE BANNER MALT LABELS ARE VALUABLE. For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published May 1, 1935.

19,619
ANTISLAGGING ARRANGEMENT
Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Original No. 1,983,333, dated December 4, 1934, Serial No. 596,234, March 2, 1932. Application for reissue January 26, 1935, Serial No. 3,629
9 Claims. (Cl. 122—303)



1. A boiler having a bank of generating tubes inclined to the horizontal, a plurality of rows of water tubes between which the gas flow is unimpeded, forming a group having an anti-slagging effect and spaced below said bank, and a superheater between said bank and said second mentioned tubes and so arranged that all the gases passing between said rows pass also between the tubes of the superheater, said superheater having those of its tubes adjacent its lower side arranged to produce a substantial additional anti-slagging effect whereby said superheater may receive higher temperature gases without slagging up than would otherwise be the case.

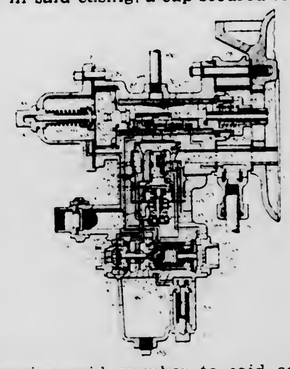
19,620
SHIRT ENVELOPE
Louis Blumenstock, Brooklyn, N. Y., assignor to Spear Box Company, New York, N. Y., a corporation of New York
Original No. 1,868,458, dated July 19, 1932, Serial No. 542,344, June 5, 1931. Application for reissue June 15, 1934, Serial No. 730,788
2 Claims. (Cl. 229—87)



1. A shirt envelope having a front portion provided with an opening adapted to clear the collar of the shirt, means adjacent the bottom of said opening for engaging the top button of the shirt for preventing relative movement of said shirt and said envelope in any direction, and means in combination with that part of the front adjacent said opening for supporting the collar in a plane at an angle to the plane of said front portion.

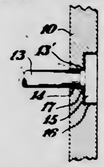
19,621
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Original No. 1,928,091, dated September 26, 1933, Serial No. 517,604, February 21, 1931. Application for reissue March 22, 1934, Serial No. 716,898
49 Claims. (Cl. 303—46)

49. In a fluid pressure brake equipment, the combination with a brake pipe, a brake cylinder and means operative to locally vent fluid under pressure from the brake pipe, of a triple valve device comprising a salvaged casing having a chamber from which a quick action mechanism has been removed and which is open at one end, said casing having a brake cylinder passage through which fluid under pressure is adapted to be supplied to and released from the brake cylinder and which is open to said chamber, a member in said casing, a cap secured to said cas-



ing clamping said member to said casing and closing the open end of said chamber, said casing, member and cap defining a passage through which fluid under pressure locally vented from the brake pipe is adapted to flow, a gasket forming an air-tight seal between said casing and member, and a gasket forming an air-tight seal between said member and cap, said air-tight seals preventing leakage of fluid under pressure from one of said passages to the other.

19,622
VALVE MECHANISM
Lester M. Goldsmith, Philadelphia, Pa.
Original No. 1,777,303, dated October 7, 1930, Serial No. 279,632, May 22, 1928. Application for reissue September 28, 1932, Serial No. 635,217
3 Claims. (Cl. 251—87)



2. Valve mechanism comprising a casing having an inlet and a plurality of outlets, a finished surface within said casing, said outlets terminating at said finished surface, a movable member in said casing having a finished face engaging said finished surface and an aperture adapted to register with either or partly with two of said outlets, actuating means for said movable member having a flared portion engaging a seat in said member which permits restricted universal movement therebetween and a key portion loosely engaging a recess in said movable member, and means on the outlet side of said casing which

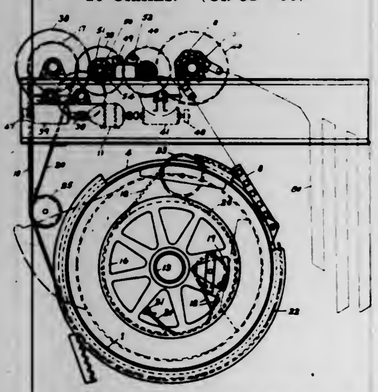
cooperates with the actuating means to maintain the flared portion thereof in fluid-tight engagement with its seat in said movable member.

19,623
DRUM WEIR

Bernard H. Kersting, Ben Avon, Pa., assignor to The Dravo Contracting Company, a corporation of Pennsylvania

Original No. 1,952,501, dated March 27, 1934, Serial No. 690,173, September 20, 1933. Application for reissue March 8, 1935, Serial No. 10,861

16 Claims. (Cl. 61—22)



1. In a drum weir, a drum adapted to roll along a predetermined course, which drum is equipped with a flap adapted to be raised and lowered, an electric motor including a rotary element, a source of electric energy, means for alternately imposing upon the rotary element of the motor from the source of electric energy torques of predetermined values and unequal magnitude, means for applying the motor torque of greater value to the rolling of the drum, and means for applying the motor torque of less value to the swinging of the flap.

19,624
SEPARABLE FASTENER, FASTENER INSTALLATION AND METHOD OF ATTACHING THE SAME

Arthur W. Kimball, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Original No. 1,872,968, dated August 23, 1932, Serial No. 473,138, August 5, 1930. Application for reissue May 5, 1934, Serial No. 724,179

9 Claims. (Cl. 24—219)



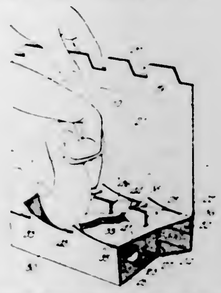
1. A snap fastener installation comprising, in combination, a carrying medium, a separable fastener member located at one side of said carrying medium and having an anvil portion and an attaching element having a hollow shank provided with a closed end forced through the carrying medium and upset by said anvil portion, said anvil portion and said shank cooperating to remove the closed end of the shank and to upset the shank in the manner of an open end rivet.

19,625
COLLAPSIBLE EGG CARTON

Evelyn G. Levkoff, Brooklyn, N. Y.

Original No. 1,990,336, dated February 5, 1935, Serial No. 745,014, September 22, 1934. Application for reissue March 19, 1935, Serial No. 11,899

7 Claims. (Cl. 229—29)



5. A collapsible egg carton comprising front and rear walls, a bottom wall hinged to said front wall and rear wall and having a central longitudinal fold line, a double wall longitudinal partition hinged to said bottom wall along its line of fold, the walls of said double wall longitudinal partition being fixedly secured together, transverse partitions hinged to said front and rear walls adjacent the top thereof, all adapted to fold into substantially parallel relation with respect to one another when in collapsed position, said transverse partitions each having a slot in its inner side edge at the midportion thereof, and notches extending inwardly from the top edge of said longitudinal partition, the entrances of which are in transverse alinement with and of a width at least equal to the length of the respective unnotched midportions of said transverse partitions to permit of the free vertical sliding movement of the unnotched midportions through the entrances of the notches and inwardly thereof without flexing of said transverse partitions or the longitudinal partition during collapsing and setting up of the carton, said transverse partitions adapted to be swung to a substantially vertical position crosswise of said longitudinal partition when the carton is set up for use.

19,626
MULTIPLEX RECEIVING APPARATUS

Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 1,963,587, dated June 19, 1934, Serial No. 663,449, March 30, 1933. Application for reissue February 20, 1935, Serial No. 7,392

13 Claims. (Cl. 178—52)



1. In a communication system, the combination with a Wheatstone bridge having four branches, of an input circuit conductively connected in parallel with one of said branches, said input circuit beng arranged when functioning to change the effective impedance of said one branch, and an output circuit adapted to be connected effectively to a diagonal of said bridge.

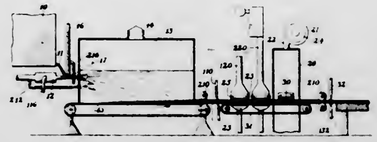
19,627
PROCESS OF MAKING FELTED MINERAL FIBER

Edward R. Powell, Alexandria, Ind., assignor, by mesne assignments, to Johns-Manville Products Corporation, New York, N. Y., a corporation of Delaware

Original No. 1,899,056, dated February 28, 1933, Serial No. 301,850, August 24, 1928. Application for reissue February 27, 1935, Serial No. 8,511

23 Claims. (Cl. 154—28)

14. In a process for the manufacture of a sheet material containing mineral fibers and a binder, the improvement which consists in forming a suspension of the fibers admixed with finely divided binding material in a gaseous atmosphere, depositing the suspended admixture in successive increments on a moving support until a layer or mat



of a suitable thickness is formed having the binding material uniformly disseminated throughout the matted fibers, and subjecting the matted material to the action of a fluid medium to cool and harden the binder.

PATENTS

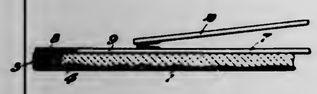
GRANTED JUNE 25, 1935

2,005,718
GRINDING
Josef Desenberg, Cologne, Germany
Application October 26, 1931, Serial No. 571,188
In Germany October 28, 1930
13 Claims. (Cl. 51—278)



1. The method of grinding and polishing a lens which is rigidly mounted on a rotary spindle and which is worked by a front side of a rigidly mounted tool, using uniform facial contact between the tool and lens, which method comprises rotating the tool and lens in such facial contact at such relative speeds and in such directions that the working point paths are short and numerous and changing systematically such of said paths as pass through or near the lens center whereby an accurate and automatic working is effected over the entire surface of the lens.

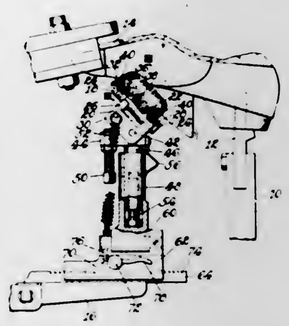
2,005,719
EMBOSSED PICTURE AND METHOD OF PRODUCING IT
Sydney Hayden, Hampstead, London, England
Application June 20, 1934, Serial No. 731,516
In Great Britain June 7, 1934
8 Claims. (Cl. 41—24)



3. An embossed picture comprising a frame, a sheet of thin metal laid against one face of the frame, a picture on said sheet, depressions and ridges formed in said sheet, a marginal extension of said sheet completely overlapping the edges of said frame and folded against the rear face of said frame, a backing substance moulded into the said frame and solidified, and a back panel secured to the said frame, the edges of the said sheet lying between said panel and said frame.

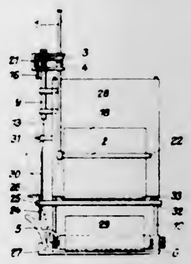
2,005,720
SHOE SUPPORT
Fred E. Hooper, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 12, 1932, Serial No. 592,600
27 Claims. (Cl. 12—126)

1. A device for supporting a shoe forwardly of its heel-end portion against pressure applied on its bottom face, said device comprising different sets of members arranged to support respectively the opposite side portions of the shoe against pressure applied on the shoe bottom, the members of each set being arranged in substantially contiguous relation to one another in a series ex-



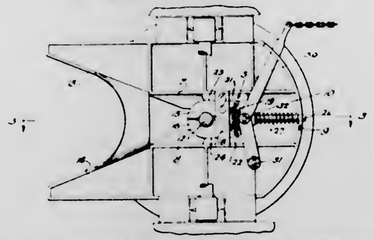
tending lengthwise of the shoe and being mounted for relative turning movements to conform substantially to the contour of the shoe.

2,005,721
LINE INDICATOR OR COPYHOLDER FOR TYPISTS
Rudolf Joksch, Vienna, Austria
Application April 16, 1934, Serial No. 720,845
In Germany April 28, 1933
5 Claims. (Cl. 120—34)



1. In a typewriter provided with a copy-holder, the sub-combination of: a rod carrying at its lower end an indicator; means for guiding said rod; a clamping lever loosely mounted upon said rod; a stop limiting the upward movement of said clamping lever upon said rod; an adjustable stop for limiting the downward movement of said clamping lever upon said rod in accordance with the required amount of feed; spring means tending to move the clamping lever in the upward direction; and means operable by the spacing lever of the typewriter for moving said clamping lever in the downward direction upon said rod, said last mentioned means comprising a resilient member, substantially as and for the purpose described.

2,005,722
FIFTH WHEEL CONSTRUCTION
Henry Ketel, Muskegon, and Charles M. Harris and Hine Van Der Heuvel, Holland, Mich., assignors, by mesne assignments, to West Michigan Steel Foundry Co., Muskegon, Mich., a corporation of Michigan
Original application May 29, 1933, Serial No. 673,328. Divided and this application March 23, 1934, Serial No. 717,032
4 Claims. (Cl. 280—33.1)



2. In a lower fifth wheel member, the combination of pivoted jaw members, spring means for normally maintaining said jaw members in open position, ribs on the under side of said fifth wheel member, and a slidable yoke member adapted to engage said jaw members and said ribs to lock the jaws in closed position.

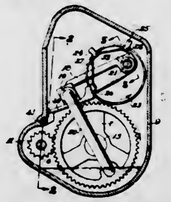
2,005,723
TOOL
Daniel A. Munn, Burlingame, Calif.
Application November 27, 1933, Serial No. 699,869
Renewed May 6, 1935
1 Claim. (Cl. 81—5.1)



A new article of manufacture comprising a pair of pliers having a rib formed integral with each jaw thereof to simultaneously engage the slot in one end and the opposite blunt end of a machine screw whose length is within the compass of said jaws, to facilitate turning of said screw, said ribs being positioned at right angles to each other whereby either rib may engage said screw slot when said slot is in a position relatively inaccessible to the opposite rib.

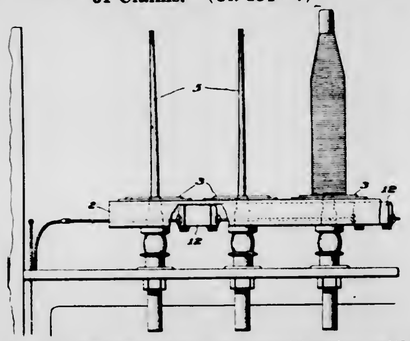
2,005,724
LUBRICATING MECHANISM
John S. Baker, Evansville, Wis.
Application November 21, 1932, Serial No. 643,550
21 Claims. (Cl. 184—4)

1. In a mechanism for converting rotary motion of a driving member into reciprocatory motion of a driven member, the combination of a casing having recesses therein through which said members project and providing a sump at its lower end for containing lubricating fluid, an elongated rocker above the level of liquid in said casing, bearing supports on opposite sides of said rocker at one end thereof supporting the latter for vertical movement of its free end about a horizontal axis and above and below horizontal position, an elongated upwardly opening groove on the rocker disposed generally longitudinally of and adjacent said axis and having opposite ends communicating with the surfaces of said supports and disposed closer to said axis than the intermediate portion of the groove, the opposite end portions of said groove having bottom surfaces which slope toward said supports when said rocker is disposed above horizontal position, means operable as an incident to rotation of said



driving member to convey fluid upwardly from said sump and discharge the same downwardly into said groove, and a ledge intermediate the ends of the groove for entrapping fluid in each end thereof in the upward movement of said rockers.

2,005,725
SPINNING AND TWISTER FRAME
Frederic E. Banfield, Jr., and Gerry B. Nutting, Saco, Maine, and Warren O. Wright, Freeport, N. Y., assignors to Auto Research Corporation, a corporation of Delaware
Application July 1, 1931, Serial No. 548,140
31 Claims. (Cl. 184—7)

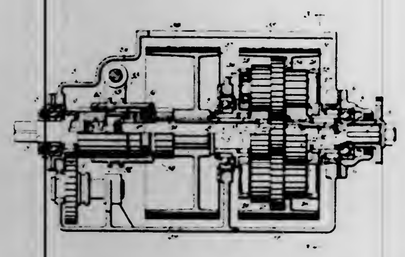


1. In a twister frame, the combination with a ring rail and a series of rings mounted on said rail, of means for delivering oil to all of said rings and distributing said oil substantially uniformly to the individual rings, said means including a conduit running along one side of the rail adjacent the lower edge thereof and a plurality of junction flow regulating devices, each having a pair of parallel vertical sockets, enclosing flow metering devices, connected to said conduit and extending upwardly to feed said rings.

2,005,726
PLANETARY TRANSMISSION MECHANISM
Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Illinois
Application June 29, 1933, Serial No. 678,122
1 Claim. (Cl. 74—271)

In a change speed gear mechanism, the combination of a drive shaft, a pair of transmission drive shafts, a driven shaft, change speed planetary gearing between said transmission shafts and said driven shaft including sun gears on each of said shafts, a planetary gear carrier and planet gears on said carrier meshing with said sun gears,

a brake drum connected to said carrier, a brake band engageable with said drum for holding said carrier against movement in low and second speed drive, a lever provided with a cam for applying said band, a brake drum on one of said transmission drive shafts, a brake band engageable



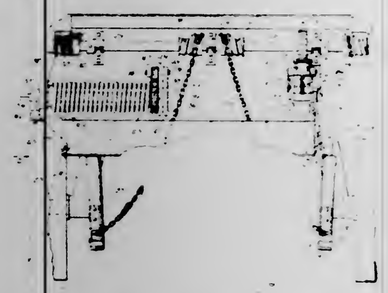
with said last named drum for holding said shaft against movement in reverse, a lever provided with a cam for applying said last named band, a single lever operatively connected to and controlling both of said bands independently and clutch mechanism for selectively connecting said drive shafts with said transmission.

2,005,727

CONTROLLING MECHANISM FOR VEHICLE DUMP DOORS

James D. Benbow and De Mar A. Palmer, Aurora, Ill., assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill., a corporation of Illinois

Application November 10, 1930, Serial No. 494,562
Renewed November 17, 1933
35 Claims. (Cl. 298—35)



1. In a load carrying vehicle, the combination with a bed and a dumping door closing the bottom of said bed, of a rotatable member, means connecting said member and said door whereby said member is rotated in one direction upon dumping movement of said door and in the opposite direction upon movement of said door to closed position, means for returning said door to closed position comprising a swinging member, a coil spring having one end thereof operatively associated with said swinging member, the other end of said spring being associated with a collar, said swinging member and collar being supported on said bed independently of said rotatable member, means for varying the initial tension of said spring, and means for controlling the rotation of said rotatable member in either direction.

2,005,728

AMPHIBIAN

Walter K. Burgess, Chanute Field, Rantoul, Ill.

Application October 14, 1932, Serial No. 637,775
5 Claims. (Cl. 244—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



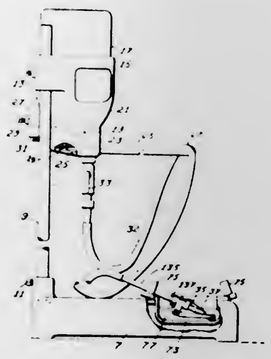
1. An amphibian plane comprising a unit boat hull and airplane fuselage structure having a propeller gap at the waist of the structure opening upwardly and laterally from adjacent the water line of the boat hull to the top of the airplane fuselage, the latter being thereby separated into fore-and-aft fuselage sections, a wing attached to the top of the fuselage forward section, an empennage at the rear of the fuselage aft section, and an engine-propeller unit mounted between the fore-and-aft fuselage sections with the engine substantially housed within the upper rear portion of the forward fuselage section and the propeller disposed in the said propeller gap with its axis of rotation at the upper end of the gap and its disk area extending outwardly of the gap and substantially beyond the top and sides of the fore-and-aft fuselage sections.

2,005,729

LIQUID-APPLYING APPARATUS

Thomas J. Doyle, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 15, 1931, Serial No. 581,194
5 Claims. (Cl. 91—39)



1. An apparatus for applying liquid having in combination a receptacle for liquid, a tube leading from said receptacle, a nozzle leading from said tube, a member adjustably mounted upon the nozzle, a brush holding member, and interengaging friction means formed on said members for attaching them to each other whereby said members may be separated from one another by merely pulling them apart.

2,005,730

CASEIN PRODUCTS AND PROCESS OF MAKING

Henry V. Dunham, Bainbridge, N. Y.

No Drawing. Application November 28, 1932, Serial No. 644,752
13 Claims. (Cl. 260—9)

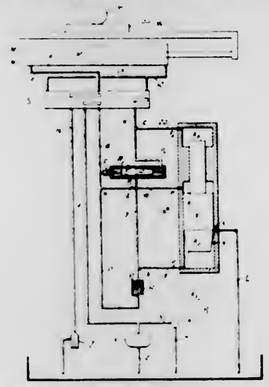
1. As a product, an extruded composition of casein and a chemical capable of increasing the solubility of casein in water, in a dry comminuted condition soluble in water.

2,005,731

VISCOSITY COMPENSATING SYSTEM

Hans Ernst and Charles W. McK. Goodrich, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application June 16, 1930, Serial No. 461,569
15 Claims. (Cl. 60—52)



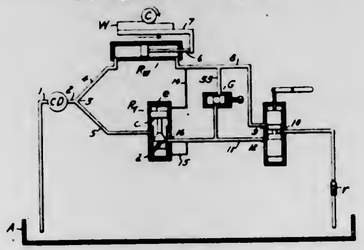
1. An hydraulic system combining a motor; a constant-displacement pump; a conduit therebetween; a throttle in said conduit; an out-let valve located in said conduit between the pump and throttle; and means for automatically regulating said valve to maintain a volumetrically-constant discharge therethrough at a rate determined by the adjustment of said throttle.

2,005,732

BALANCED PRESSURE HYDRAULIC CIRCUIT

Hans Ernst and Bernard Sassen, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application October 21, 1930, Serial No. 490,154
14 Claims. (Cl. 60—52)



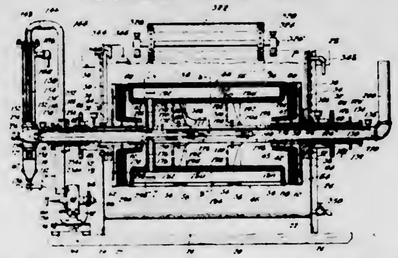
1. An hydraulic system combining a volumetrically-constant source of oil; a main-conduit leading therefrom; an hydraulic-motor in said main-conduit; a shunt-conduit; throttle means connecting the conduits with said source for apportioning the flow through said main-conduit and said shunt-conduit and means in said shunt-conduit to impose a resistance to the flow therein to maintain the oil in each conduit under substantially equal pressures at the down stream side of said throttle means.

2,005,733

HEAT EXCHANGE APPARATUS

Crosby Field, Brooklyn, N. Y., assignor, by mesne assignments, to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Application July 14, 1928, Serial No. 292,631
Renewed January 11, 1933
96 Claims. (Cl. 62—105)



5. Apparatus of the character described, comprising in combination, a rotary cylinder of thin flexible material, deflecting means for said cylinder operable between a first position in which no deflection of the cylinder is produced and a second position in which the cylinder is deflected from its normal configuration, and means for controlling the operation of said deflecting means.

2,005,734

HEAT EXCHANGE APPARATUS

Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Application August 14, 1931, Serial No. 557,108
37 Claims. (Cl. 62—106)



1. Apparatus of the character described comprising in combination, a rotatable flexible freezing cylinder, a drum within the cylinder fixed against rotation and having contact with portions of the inner surface of the cylinder to maintain substantially the normal curvature of the cylinder at said points, means to apply a refrigerating medium to the inner surface of the cylinder to freeze a liquid applied to its outer surface, means to apply a liquid to the outer surface of the cylinder at points where its normal curvature is substantially maintained, and means to deflect the cylinder at another point to cause the frozen liquid to peel therefrom at said latter point.

24. A method of freezing liquids which consists in supplying a freezable liquid to an endless flexible deformable freezing surface, applying a refrigerating medium to predetermined spaced pe-

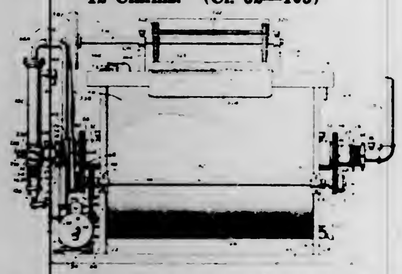
ripheral areas of said freezing surface to remove heat from such spaced areas to cause said freezable liquid to freeze on said spaced areas, and deflecting said freezing surface to remove the frozen liquid therefrom.

2,005,735
ICE

Crosby Field, Brooklyn, N. Y., assignor, by mesne assignments, to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Original application July 14, 1928, Serial No. 292,631. Divided and this application July 11, 1933, Serial No. 679,864. In Canada July 9, 1929

12 Claims. (Cl. 62—105)



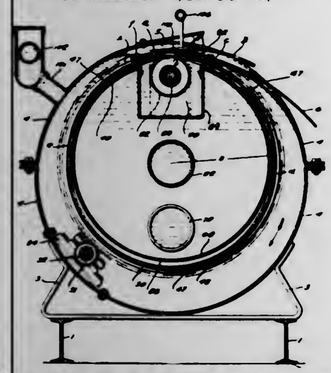
1. A product of manufacture comprising substantially symmetrical sheets of ice, each sheet being curved, relatively large in area and thin in depth, relatively elongated and of substantially constant width throughout its length whereby each sheet tends, upon first being fractured, to break into fragments which are larger and of more nearly uniform size and shape than fragments formed under the same or similar conditions from non-symmetrical and/or smaller sheets.

2,005,736
ICE

Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Original application August 14, 1931, Serial No. 557,108. Divided and this application September 12, 1934, Serial No. 743,893

11 Claims. (Cl. 62—1)



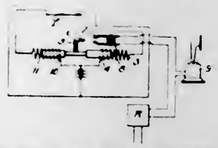
1. As a product of manufacture, pieces of ice, each piece having a first surface curved about at least one axis and having a predetermined radius, and a second surface opposite said first named surface curved about a plurality of axes, whereby the surfaces of one piece piled with other pieces will contact with surfaces of the other pieces over a minimum area.

2,005,737
FILM HANDLING AND SOUND REPRODUCING APPARATUS

Warren Dunham Foster, Washington Township, Bergen County, N. J., and Earle L. Parmelee, Pittsburgh, Pa., assignors, by direct and mesne assignments, to Kinatome Patents Corporation, New York, N. Y., a corporation of New York

Application April 30, 1929, Serial No. 359,346

12 Claims. (Cl. 88—16.2)



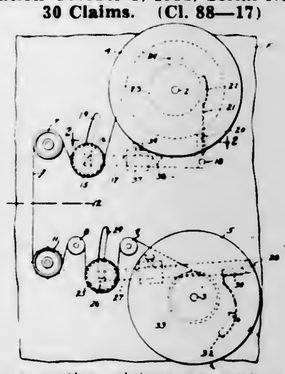
9. In combination, an image bearing film arranged with a plurality of predeterminedly positioned control elements carried by each side edge portion of the film, means for projecting pictures from said film, said means including a film guiding structure, an electric sound producing means, a circuit for said sound means, an operable switch in said circuit, means actuated by the passage of one of said control elements on one side of said film past said guiding structure for closing said switch and rendering said sound producing means effective, and means actuated a predetermined period of time thereafter by the passage of one of said control elements on the other side of said film past said guiding structure for opening said switch and rendering said sound producing means ineffective so that a predetermined period of projection of pictures from said film is in silence, the end of said silent period being determined by the passage of a control element on the first named side edge of said film past said guiding structure.

2,005,738
APPARATUS FOR FEEDING MATERIAL

Warren Dunham Foster, Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, a corporation of New York

Application October 5, 1931, Serial No. 567,109

30 Claims. (Cl. 88—17)



13. In a motion picture apparatus, an idling delivery carrier, an intermittently driven feeding member for drawing film from said delivery carrier, means for driving said feeding member at motion picture rate, a roller characterized by substantial weight bodily supported upon the film between said delivery carrier and said feeding member, and means for maintaining said roller in substantially fixed position longitudinally of the film while allowing movement in angular relation thereto, said roller being so disposed in relation to said carrier and said feeding member that each feeding impulse of said intermittent member raises said roller thereby cushioning the pull of said feeding member upon the film and that during each period of inactivity of said intermittent member said roller upon its downward gravitational movement draws film from said delivery carrier, thereby maintaining said delivery carrier under continuous movement and maintaining the film under continuous tension between said intermittent feeding member and said delivery carrier.

2,005,739
BROOM ATTACHMENT

Herbert A. Gardner, United States Army, San Francisco, Calif.

Application August 16, 1933, Serial No. 685,388

6 Claims. (Cl. 15—247)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A broom attachment adapted to secure a covering over a broom head comprising a flexible stamped metal band having a roughened surface adapted to prevent vertical displacement of the attachment on the broom head, a plurality of openings in one end of said band and a tongue at the other end of the band adapted to engage one of said openings and firmly and permanently secure the band around a broom head, pairs of perforated ears struck from the band, serrated portions struck from the stock of the band beneath said ears and adapted to form the inner jaws of clips, spring pressed outer jaw members having pairs of perforated ears and serrated lower ends, pivotally mounted on said ears struck from the band and adapted to form the outer jaws of said clips, and secure the cover over the broom head.

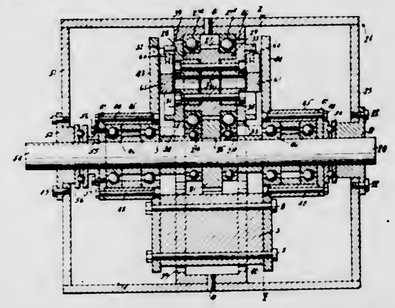
2,005,740
POWER TRANSMISSION DEVICE

Albert T. Harris, New York, N. Y., assignor, by mesne assignments, to A. T. Harris Holding Corporation, a corporation of New York

Application February 19, 1934, Serial No. 711,902

12 Claims. (Cl. 74—305)

1. A power transmitting device comprising a power shaft, a unit driven by the power shaft, the said unit including a sun gear on the power shaft, a central floating planetary gear arranged in mesh with the sun gear, end planetary gears carried by the central planetary gear, a stationary ring gear in mesh with the end planetary gears, rotatable plates, power take-off means in operative engagement with the said end planetary gears at a portion of each of said end gears that is offset from the planet axes of said end gears, said power take off means being in operative engagement with said rotatable plates, and a delivery shaft operatively coupled to the said rotatable plate.



2,005,741
MAGNETO-STRICTIVE SOUND GENERATOR

Harvey C. Hayes, Washington, D. C.

Application December 15, 1932, Serial No. 647,382

20 Claims. (Cl. 177—352)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

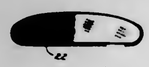


1. In a device of the class described, a hollow magneto-strictive sound-generating and receiving cylinder, positioning means non-rigidly connected to each end of said cylinder, a plurality of coils disposed around said cylinder in substantially toroidal form, each coil passing over a portion of the exterior surface of the cylinder and also over the inner face of the same longitudinal element of the cylinder wall the said coils being of a width between one-fourth wave length and one-half wave length of the sound emitted by said cylinder as measured in the transmitting medium, the distance between any two adjacent coils being substantially equal to the width of a coil, all of said coils being connected together to give an additive magnetic effect, a sound-reflecting cone disposed within said cylinder, said cone having an apical angle of 90° and an altitude equal to the length of said cylinder, and a frusto-conical sound-reflecting member disposed around said cylinder, said frusto-conical member having an altitude equal to the length of said cylinder and a maximum diameter equal to twice the diameter of the said cylinder plus two half wave lengths of the sound in said medium and being spaced from said cylinder at any point a distance one-half wave length greater than the distance of a corresponding point on the inner cone from the cylinder at the same altitude.

2,005,742
PROCESS FOR DEINKING IMPRINTED PAPER
Pierre R. Hines, Portland, Oreg.
No Drawing. Continuation of application Serial No. 625,269, July 27, 1932. This application May 25, 1934, Serial No. 727,577
11 Claims. (Cl. 92—9)

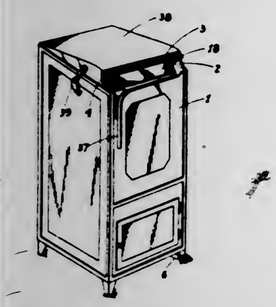
1. The process of de-inking paper which comprises refining and cooking the stock, with a chemical adapted to free substantially the ink particles from the pulp fiber, until tests show the stock to be defiberized and the fiber substantially freed from ink particles, effecting flocculation of the ink particles, and dispersion of other constituents by an agency selected relatively to the pH value of the stock, effecting frothing and collecting by a suitable agent, and removing the ink particles by froth flotation method.

2,005,743
PARACHUTE PACK
Edward L. Hoffman, Dayton, Ohio
Application April 13, 1933, Serial No. 665,973
12 Claims. (Cl. 244—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. In a pack containing a parachute, a readily removable stiffener frame disposed within said pack adapted for maintaining said pack substantially flat when said parachute is folded therein.

2,005,744
TOWEL CABINET
August L. Hondeville, Merced, Calif., assignor to Serv-A-Towel Manufacturing Company, San Francisco, Calif.
Application October 23, 1933, Serial No. 694,749
19 Claims. (Cl. 312—37)



19. A towel servidor comprising a cabinet having a towel dispensing opening, a normally closed cover for the opening, a towel support in the cabinet movable between two positions, means on the support to hold a stack of towels in such relation to each other that successive towels can only be withdrawn through the opening when the support is moved from one position to the other, means to open the cover, means to thus move the support, and manual means to operate the cover opening means and the support moving means in successive order.

2,005,745
AUTOMOBILE CONTROL DEVICE
Harry E. Hull, Washington, D. C.
Application June 29, 1932, Serial No. 620,006
19 Claims. (Cl. 192—3)



1. In combination with an automobile having a foot brake pedal and a pedal with operative connections for an instrumentality concerned in the onward movement of the car, said two pedals being situated for operative contact with the foot of the driver without shifting of the foot in any direction in the plane of the foot-contacting surfaces of the pedals and means operatively connected with the brake pedal that render motion of the other pedal along with the brake pedal ineffective on the device normally actuated by said other pedal.

2,005,746
REMOVAL OF WOOL FROM ANIMAL SKINS
Wolf Kritchevsky, Chicago, Ill.
No Drawing. Application May 7, 1934, Serial No. 724,392
11 Claims. (Cl. 92—10)

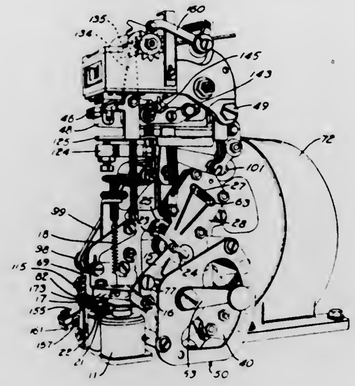
1. The method of recovering wool from dyed animal skin, which includes the step of boiling the skin in a dilute solution of a mineral acid to which non-ferrous metal in finely divided form has been added.

2,005,747
REMOVAL OF WOOL FROM ANIMAL SKINS
Wolf Kritchevsky, Chicago, Ill.
No Drawing. Application December 3, 1934, Serial No. 755,773
12 Claims. (Cl. 92—10)

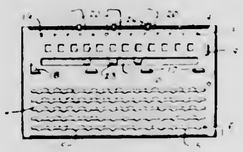
1. The method of recovering wool from dyed animal skin, which includes the step of boiling the skin in a dilute solution of phosphoric ac d.

2,005,748
TAPE PERFORATOR
Edward Stanley Larson, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 1, 1933, Serial No. 678,587
15 Claims. (Cl. 178—92)

1. In a tape perforator, a perforating mechanism including a plurality of punches, a selecting device responsive to code signals for controlling the operation of said mechanism comprising selectable elements having no normal position, means for advancing a tape for each operation of said mechanism, and means effective independently of said selecting device and without altering the setting of the selectable elements for perforating single perforations and causing the advancement of the tape upon a cessation of code signals.



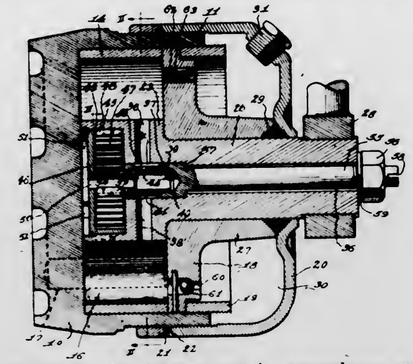
2,005,749
INDEX TAB
Henry C. Osborn, Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del., a corporation of Delaware
Application December 14, 1931, Serial No. 580,796
17 Claims. (Cl. 129—16.8)



3. The combination with a plate to be indexed having an offset portion with a plurality of openings through it, and an index tab having a central tongue in the same plane as the body of the tab and adapted to removably occupy any of said openings, whereby the tab may be readily interchangeable among them, and means for holding the tab in a plurality of positions while the tongue is in the same opening.

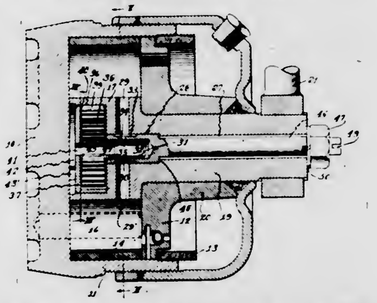
2,005,750
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application April 29, 1933, Serial No. 668,532
13 Claims. (Cl. 188—89)

1. In a hydraulic shock absorber comprising a housing having a space for containing resistance fluid, a piston structure operable within said space against the resistance flow of the fluid, a bypass from one side of the piston structure to the other, a valve seat frame having a port interposed in said bypass, a valve movable on said valve seat frame and having a port for cooperating with said frame port to control the flow of fluid through the bypass, means for manually adjusting said seat frame for setting of its port relative to the valve port, and a thermostat connected with the valve to automatically set its port



relative to the frame port in accordance with the changes in temperature of the fluid.

2,005,751
THERMOSTATIC VALVE STRUCTURE FOR HYDRAULIC SHOCK ABSORBERS
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Original application April 29, 1933, Serial No. 668,532. Divided and this application November 18, 1933, Serial No. 698,631
8 Claims. (Cl. 188—100)

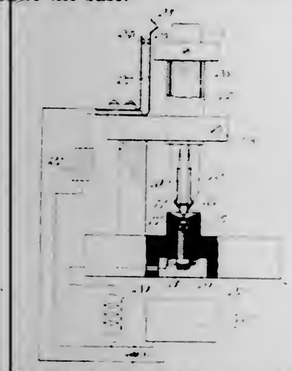


1. A valve structure for hydraulic shock absorbers comprising a housing having a bypass therethrough for the flow of the resistance fluid of a shock absorber, said housing having an axial bore intersecting said bypass, a rotary valve seated in said bore and having a port, said bore being enlarged at one end to form a cylindrical pocket, and a spiral thermostat element in said pocket connected to rotate said valve for setting of its port in said bypass in accordance with change in temperature of the resistance fluid flowing through said bypass.

2,005,752
METHOD OF PREPARING PEN-POINTS
Carl Pfanstiehl, Highland Park, Ill., assignor to Pfanstiehl Chemical Co., a corporation of Illinois
Application January 13, 1934, Serial No. 706,565
29 Claims. (Cl. 219—10)

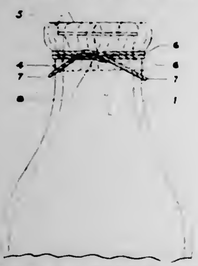
4. The method of tipping a metallic base which comprises tacking a metallic tip to the base by passing a sudden large electric discharge between

the base and tip while lightly contacting them, said discharge being only sufficient to fuse a small area of the contacting metals, and then fusing metal adjacent to the tack by heat supplied substantially entirely through the tip, whereby the tip is welded to the base.



29. Apparatus for tacking a metallic tip to a metallic base which comprises means for moving said tip and base into light contact, means for producing an electric discharge between base and tip as they come into proximity, and an inductance in the discharge circuit for prolonging the discharge to maintain contact between base and tip during progressive fusion.

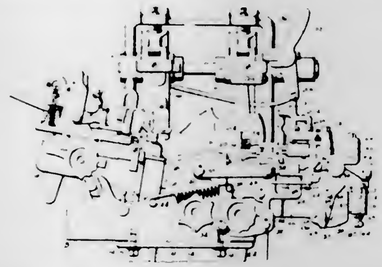
2,005,753
BOTTLE CLOSURE
Joseph H. Ramsey, Albany, N. Y.
Application December 27, 1933, Serial No. 704,156
13 Claims. (Cl. 215—84)



1. In combination, a skirted hood cap adapted to be placed over the mouth portion of a bottle, loops of twine in the form of a clove hitch positioned upon and around the skirt of the cap, and a gummy material applied to the twine at the clove hitch so as to secure the loops in assembled position on the skirt of the cap.

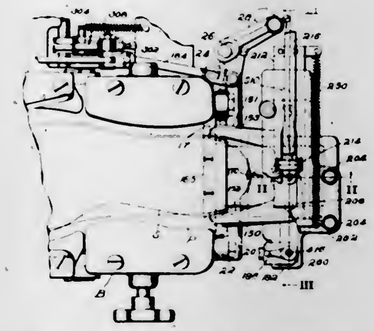
2,005,754
APPARATUS FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Robert N. Sandberg, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 26, 1934, Serial No. 727,769
39 Claims. (Cl. 12—33)

26. A pad for use in applying pressure to shoe bottoms and provided with a pair of gage fingers for positioning an end portion of a sole relatively to the pad, said fingers being fulcrumed for rocking movement about parallel axes alined with each other transversely of the pad and extending heightwise of a shoe on the pad, said fingers being provided with means for limiting rocking movement of the fingers to equal but opposite movement about their fulcrums, a slide movable transversely of the pad in the vicinity of the fulcrums of the gage fingers, one of said fingers having a projection cooperating with a cam surface of the slide whereby movement of the slide transversely of the pad will rock the fingers



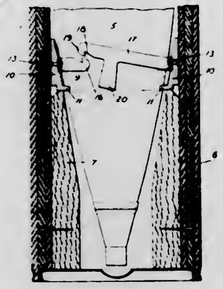
toward or from operative position, a second pair of gage fingers for positioning an end portion of a shoe relatively to the sole on the pad, said last-named fingers being fulcrumed for rocking movement about axes parallel to and adjacent to the fulcrums of the sole-engaging fingers, means limiting rocking movement of the shoe-engaging fingers to equal but opposite movement about their fulcrums, and means for rocking the shoe-engaging fingers into and out of operative position.

2,005,755
MECHANISM FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Francis J. Better, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 2, 1933, Serial No. 683,353
Renewed October 24, 1934
13 Claims. (Cl. 12—33)



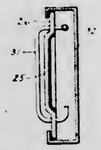
1. A pad box for use in applying pressure to shoe bottoms provided with a sole receiving pad, a bracket mounted on the pad box and arranged for adjustment heightwise of the pad, a slide secured to said bracket and adjustable lengthwise of the pad, and sole and shoe positioning gages carried by said slide and constructed and arranged to position a sole and shoe relatively to each other on the pad.

2,005,756
MEANS FOR PACKING A ROUND OF AMMUNITION
Arthur B. Schilling, Rockaway, and Cornelius Casey, Dover, N. J.
Application January 11, 1935, Serial No. 1,320
4 Claims. (Cl. 206—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a container having a seat, a round of ammunition having recesses and adapted to be inserted in the container, a pair of blocks each having a lip engaging in one of the recesses in the round, a resilient band connecting the blocks and having a hooked end, a resilient latch carried by one of the blocks and having a hooked end adapted to engage the hooked end of the band when the band and latch encircle the round and a projecting finger on the latch adapted to engage the seat of the container to unhook the latch.

2,005,757
DISPLAY SIGN
John Scott, St. George, Staten Island, N. Y.
Application August 8, 1933, Serial No. 684,253
12 Claims. (Cl. 40—130)



5. In a sign, character visible from within a selected field and tubular illuminating means superimposed upon and generally conforming to the strokes of said characters, said characters being formed of clear glass roughened and mirrored on the inner side so as to form reflecting surfaces characterized by innumerable small irregularities and to diffusely reflect light impinged thereon.

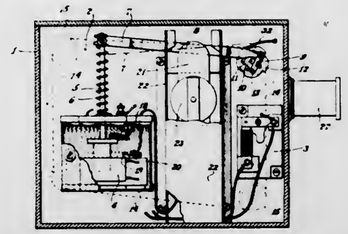
8. In a sign, characters visible from within a selected field and tubular illuminating means superimposed upon and generally conforming to the strokes of said characters, said characters consisting of bodies of transparent glass of convexo-concave form with the inner faces thereof roughened and coated with a light-reflecting opaque material to form mirrored surfaces adapted to diffusely reflect light impinged thereon.

2,005,758
CRUSHER
Elmer C. Shiley, Mount Union, Pa., assignor to J. William Wetter, Philipsburg, Pa., receiver for Rockhill Coal & Iron Company, Robertsdale, Pa., a corporation of Pennsylvania
Application August 20, 1932, Serial No. 629,684
2 Claims. (Cl. 83—52)



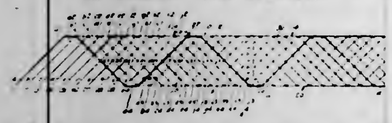
1. Apparatus for breaking coal and the like, the said apparatus comprising a roller, a mounting for the said roller, the said roller being mounted for free rotation, a conveyor for feeding coal under the roller, the said conveyor having a straight line movement in one direction under the said roller, and having a charging end portion and a discharge end portion, and the length of the roller being substantially co-extensive with the width of the conveyor; teeth spaced apart in a direction transversely of the conveyor and carried solely by the said roller substantially radially thereof, the said roller having gravitational movement towards the conveyor, stop means to limit the gravitational movement of the roller so that it always will be spaced apart from the surface of the conveyor a distance greater than the length of the teeth on the roller, the said roller being rotated solely by the pressure of the conveyed material thereon and on its teeth, whereby the teeth on the roller adjacent the conveyor move in the same direction with the conveyor, said gravitational roller automatically receding from the conveyor upon excess volume of material on the conveyor encountering the same, substantially as described.

2,005,759
AUTOMATIC PROJECTOR
Charles E. Slaughter, Montclair, N. J.
Application May 4, 1931, Serial No. 534,819
1 Claim. (Cl. 88—28)



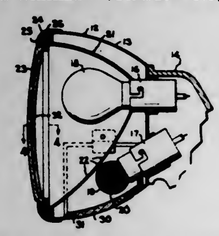
In a projecting machine wherein a transparency is intermittently advanced through a step by step movement intermediate a projecting lens and a source of illumination, a pawl and ratchet mechanism for intermittently advancing the transparency, an electromagnet, an armature movable by said electromagnet to actuate said pawl and ratchet mechanism, an electrical circuit in which the electromagnet is located, a second electrical circuit connected to said first circuit and in parallel therewith and including said source of illumination, a normally open switch in said second circuit operable by the movements of the said armature to close said second circuit, and a thermostatic flasher in series with said circuits.

2,005,760
SELVAGED UNWOVEN ZIGZAG FABRIC
Raymond J. Southwell and Theodore H. Wickwire, Jr., New York, N. Y.
Application August 12, 1933, Serial No. 684,800
12 Claims. (Cl. 189—82)



1. As a new article of manufacture, zig-zag, unwoven sheet fabric which is of diamond mesh formation, except at the edges where the mesh formation is substantially triangular, and having substantially continuous straight selvage edges, said fabric consisting of a single set of continuous laterally spaced strands laid to an edge of the sheet, there having selvage-forming portions disposed for a distance longitudinally along such edge, thence laid or folded inwardly to the opposite edge, and there disposed along the edge of the sheet and thence laid or folded back in the same way as disposed and laid or folded at and from the first edge, with each successive lay or fold at the same face of and overlapping substantially half the area of the preceding lay or fold, and said fabric and selvage being made self-sustaining and strong by the strands having the meeting surfaces thereof directly secured together at points of crossing and of selvage portion overlaps.

2,005,761
COMBINATION BACK-UP AND TAIL LIGHT
George Speeg, Hartwell, Ohio
Application November 20, 1933, Serial No. 698,793
2 Claims. (Cl. 240—8.3)



2. A tail light comprising a housing, a pair of lamp receiving sockets in said housing, lamps in said sockets, a reflector for one of said lamps extending over the other lamp, perforations in said reflector adjacent to said last named lamp, and a lens secured to the face of said housing being provided with vertical prisms having one face of each prism coated with a red pigment and the other face of said prisms projecting the rays of light in a horizontal angular direction.

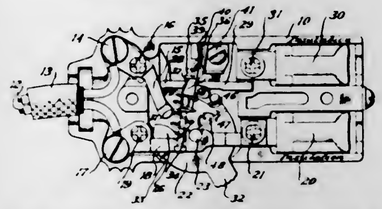
2,005,762
DISPENSING UNIT
Arthur Richard Weissflog, Pittsburgh, Pa.
Application October 24, 1933, Serial No. 695,045
1 Claim. (Cl. 15—135)

A dispensing unit comprising a body, a wall integral with the body and dividing the latter into recesses and provided with a conical-shaped opening, a flexible tube integral with the wall about said opening and extending outwardly of the body by way of one of said recesses, bristles mounted to the body about said tube, said other recess having a restricted portion, a fitting mounted in said last-named recess and extending outwardly of the latter by way of the restricted portion and adapted for connection to a neck of



a collapsible tube, said fitting having a passage therethrough, and a hollow conical-shaped portion integral with the fitting about the passage and having seated engagement with the walls of the conical-shaped opening.

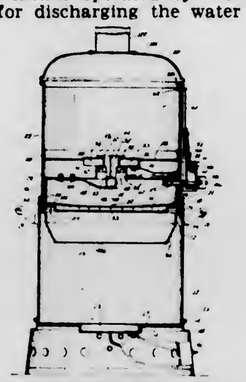
2,005,763
AUTOMATIC THERMOSTATIC SWITCH PLUG
Albert C. Wilcox, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application July 20, 1932, Serial No. 623,561
2 Claims. (Cl. 200—138)



1. An automatic thermostatic switch including a spaced pair of contacts, a rotatable segment, a switch member carried by said segment and arranged to simultaneously contact with both of said contacts, a spring associated with the segment and arranged to normally urge the segment in a direction to move the switch member away from said contacts, a locking lug upon the segment having a recess therein, a bimetal member, and a lock stud upon the bimetal member arranged to engage said locking lug to hold the switch member in engagement with said contacts and arranged to be received in said recess in the locking lug when the segment is rotated to a position to move the switch member away from said contacts.

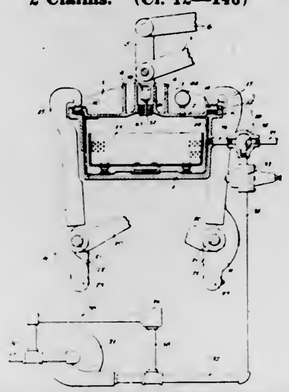
2,005,764
AUTOMATIC ELECTRIC DRIP COFFEE URN
Albert C. Wilcox, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application April 10, 1934, Serial No. 719,912
9 Claims. (Cl. 219—43)

1. An automatic electric drip coffee urn including a water container, a coffee basket beneath said water container, a coffee beverage receptacle beneath the coffee basket, means for heating water in the water container, means for heating beverage in the beverage receptacle, means operated by the boiling of the water in the water container for automatically cutting out said first named heating means and simultaneously turning on said second named heating means, and means operated by the boiling of the water for discharging the water from the



water container through the coffee basket and into the beverage receptacle.

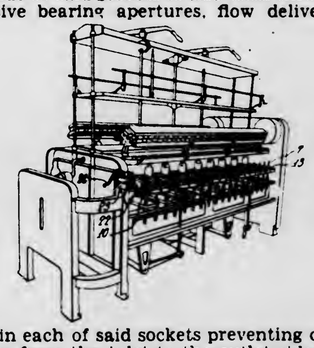
2,005,765
METHOD OF TEMPERING LEATHER SOLES
Wallace C. Wright, Brookfield, N. H., assignor to American Shoe Machinery Corporation, Boston, Mass., a corporation of Massachusetts
Application March 29, 1933, Serial No. 663,368
2 Claims. (Cl. 12—146)



1. The improved method of moistening leather soles preparatory to incorporating said soles into shoes during the processes of shoe manufacture, which consists in immersing said soles in a moistening liquid contained within a liquid-tight receptacle, and thereupon subjecting said liquid to a hydraulic pressure for a desired length of time.

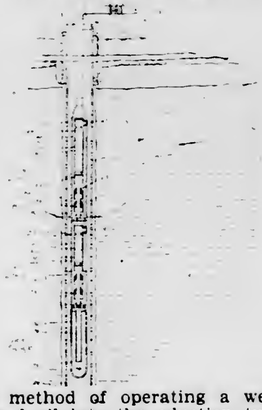
2,005,766
LUBRICATION
Warren O. Wright, Freeport, N. Y., assignor to Auto Research Corporation, Wilmington, Del., a corporation of Delaware
Application May 29, 1931, Serial No. 540,899
24 Claims. (Cl. 184—7)

1. A lubricating installation for a machine of the type involving an elongated structural member having a multiplicity of closely associated bearing apertures therethrough, each supporting a movable bearing element, each bearing requiring an occasional small supply of lubricant; said installation comprising a main feed conduit longitudinal of and substantially rigid with said structural member and in protected position in respect thereto, a socket bored in said member adjacent each aperture, branch conduits from said main conduit to one side of said sockets and from the other side of said sockets to and then through the respective bearing apertures, flow delivery ele-



ments in each of said sockets preventing communication from the inlet to the outlet sides of the sockets except through the elements, a lubricant inlet for said main conduit, and means for maintaining said main and branch conduits substantially filled with lubricant during the intervals between lubricating operations.

2,005,767
METHOD AND APPARATUS FOR OPERATING OIL WELLS
John A. Zublin, Bel Air, Calif.
Application May 7, 1934, Serial No. 724,381
31 Claims. (Cl. 166—21)

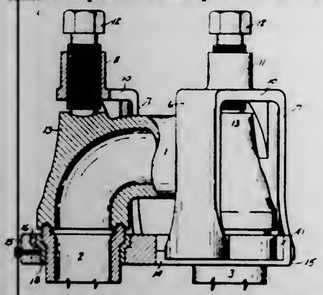


4. The method of operating a well flowing gas-charged oil into the eduction tube thereof that includes directing such oil against a moving element to thereby disintegrate it to release gas contained therein, separating within the well at least a portion of the gas so released, discharging such gas into the well external the eduction tube, and delivering the oil to the ground surface.

2,005,768
RETURN BEND FITTING FOR OIL STILLS
Charles E. Ard, Birmingham, Ala., assignor to Fred C. Fantz, Webster Groves, Mo.
Application January 25, 1933, Serial No. 653,395
Renewed December 7, 1934
2 Claims. (Cl. 285—20)

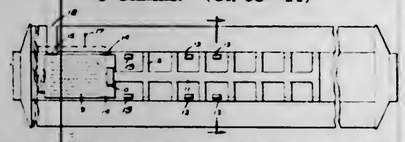
1. In a refinery apparatus, a conventional return bend adapted to connect a pair of still tubes

to provide a passageway therethrough, the ends of said tubes being upset to form external shoulders, a housing therefor, comprising a pair of inverted U shaped members, the side walls of which terminate in inwardly extending lugs, the upper surface of which inclines upwardly and inwardly set screws which abut said return bend mounted in the upper part of said inverted U, a plate having annular portions adapted to encircle the



ends of said tubes, internal shoulders formed in said annular portions, sectional metal bushings adapted to be mounted intermediate said annular portions and said tubes to abut said shoulders, there being bayonet slots in said annular portions adapted to receive said inwardly extending lugs, the upper walls of said slots being fitted to and coinciding with the said inwardly extending lugs, means to prevent the rotation of said U's in said slots beyond a predetermined point.

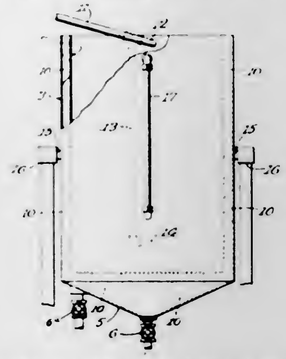
2,005,769
SYSTEM FOR AIR CONDITIONING RAILROAD CARS
Herman Richard Arf, Elizabeth, N. J., assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York
Application November 29, 1929, Serial No. 410,360
5 Claims. (Cl. 98—14)



1. In an air conditioning system for a railroad car having a monitor top and crowned shoulder portions, a plenum space extending substantially the length of the car, said plenum space being formed between a false ceiling and the roof of said car, said ceiling extending across the car from one crowned shoulder to the other air conditioning apparatus, a conduit wholly within said plenum for supplying conditioned air from said apparatus to a plurality of air outlets in said false ceiling, the remainder of said plenum serving as a passageway for returning air from the car to said conditioning apparatus.

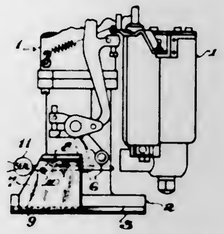
2,005,770
HOP EXTRACTOR
Daniel C. Bleser, Manitowoc, Wis.
Application May 23, 1932, Serial No. 613,007
1 Claim. (Cl. 87—28)

In a hop extractor, the combination of an axially elongated, vertical, substantially cylindrical strainer provided with a substantially flat strainer bottom member, a receptacle for receiving said strainer, said receptacle having an inverted conical bottom closure and the latter being provided with a centrally disposed, valved outlet opening and with a valved outlet opening adjacent the side wall of the receptacle, means for maintaining the strainer member in spaced relation to the receptacle wall and bottom, and means for tangentially delivering hop-containing wort to the inside of the strainer adjacent the upper end thereof so as to cause the hop-containing wort to flow horizontally



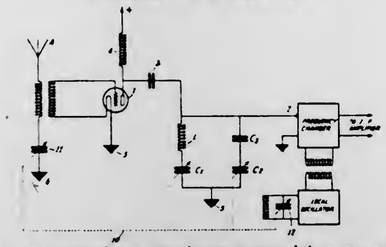
and downwardly over the side wall of said strainer, whereby the liquid content of the hop-containing wort is separated from the solid content thereof by centrifugal force incident to the delivery of the hop-containing wort, the liquid being adapted to be drained from the receptacle through said last mentioned outlet opening, and fine particles of solid material which pass through said strainer and collect in the central portion of said receptacle bottom are adapted to be removed therefrom through said centrally disposed outlet.

2,005,771
DEVICE FOR CONTROLLING THE SPEED OF INTERNAL COMBUSTION ENGINES
Clyde W. Bull, Dallas, Tex.
Application October 17, 1932, Serial No. 638,192
1 Claim. (Cl. 251—153)



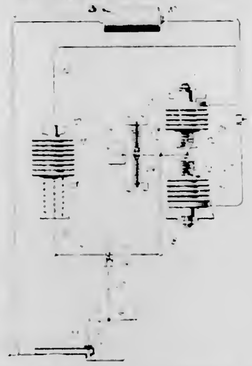
A device for controlling the speed of an internal combustion engine including a base plate having a central opening therein and adapted to be received between the carburetor and the intake manifold of said engine, an upwardly and outwardly extending projection integral with said base plate, said upwardly and outwardly extending projection terminating in a horizontally extending portion adapted to prevent opening of the throttle beyond a predetermined position, said latter portion being arranged to lie in a plane parallel with said base, said upwardly extending portion having an aperture to receive a sealing means.

2,005,772
HETERODYNE RECEIVER
Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application December 26, 1931, Serial No. 583,346
In France January 24, 1931
7 Claims. (Cl. 250—20)



1. A heterodyne receiever comprising an oscillation circuit for collecting signal frequencies, a frequency changer, an oscillation circuit, between the collecting circuit and the changer, including a reactive couple consisting of a coil and a variable condenser resonant to an undesired signal image frequency, said second oscillation circuit additionally including a second variable condenser and a fixed condenser both in shunt with said couple, said second condenser being adapted to resonate the entire second oscillation circuit to a desired signal frequency.

2,005,773
APPARATUS FOR INDICATING OR CONTROLLING PHYSICAL CHANGES
Luis de Florez, Pomfret, Conn.
Original application October 19, 1927, Serial No. 227,345. Divided and this application February 7, 1931, Serial No. 514,165. Renewed February 5, 1934
12 Claims. (Cl. 236—1)



1. An apparatus for controlling changes of temperature or pressure in a controlled system by means of responsive pressure changes in an adjacent system, which comprises in combination a first mechanical device, a connection between said first mechanical device and said adjacent system whereby said first mechanical device responds fully and immediately to a change of pressure within said adjacent system, a second mechanical device, a connection between said second mechanical device and said adjacent system whereby the initial response of said second device to the said change is full and immediate, a mechanical device, a third connection between said third mechanical device and said adjacent system, said third mechanical device being so related to said second device that the full response of one neutralizes the full response of the other, means for delaying the full response of the said third device to said change in said adjacent system, and control devices operated joinly by said mechanical devices.

2,005,774
PRODUCTION OF BENZOIC ACID AND BENZOATES
Jules Emile Demant, Cuise Lamotte, France, assignor to Bozel-Malétra Société Industrielle de Produits Chimiques, Cuise Lamotte, France, a corporation of France
No Drawing. Application August 31, 1932, Serial No. 631,125. In Germany June 23, 1932
12 Claims. (Cl. 260—108)

1. A process for the production of benzoic acid and benzoates by the oxidation of toluene with impure salts of chromic acid, which contain the impurities originating from the chromiferous raw materials, in the presence of water at temperatures above 100° C. and under superatmospheric pressure.

2. A process as claimed in claim 1, wherein the impure chromates are chromate frits.

2,005,775
HEEL ATTACHING PLATE
Frank B. Dopp, St. Louis, Mo., assignor to Perma Corporation, a corporation of Illinois
Application September 21, 1933, Serial No. 690,306
9 Claims. (Cl. 36—34)

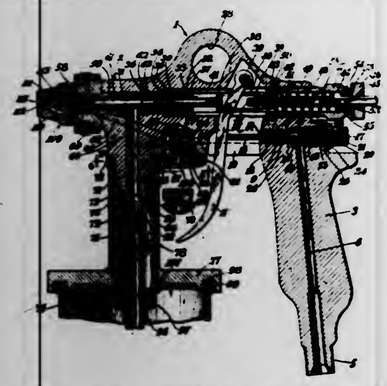


1. In combination with a shoe heel attaching plate structure having a pair of apertured lock pin engaging ears, adapted to be permanently secured to the heel seat of a shoe sole by opposed pairs of fastening prongs, of bevel faces on the prongs, the front pair of prongs having their front edges at the juncture thereof with the plate disposed in a plane with the front face of one of the apertured lock pin engaging ears.

2,005,776
DEVICE FOR SPRAYING PAINTS, LACQUERS, AND OTHER LIQUIDS
Austin H. Downs, Newark, N. J., assignor to Eclipse Air Brush Company, Inc., Newark, N. J., a corporation of New Jersey
Application October 30, 1930, Serial No. 492,126
12 Claims. (Cl. 299—89)

4. In a device of the character described, a body portion having a barrel provided with fluid and liquid conduits, said body portion being provided with a threaded aperture interposed in said fluid conduit, a pressure liquid cup or container adapted to communicate with said liquid conduit, a lid or cover for said cup or container, said lid or cover being provided with a sleeve portion having an apertured lateral extension, the sleeve portion and the lateral extension being provided with means for conducting fluid under pressure to said cup or container, and a

slotted screw member threaded into said threaded aperture and adapted to form part of a con-



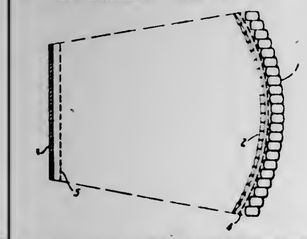
duit for conducting pressure from said threaded aperture to said cup or container.

2,005,777

STEREOSCOPIC PHOTOGRAPHY AND OBJECTIVE SYSTEM THEREFOR

Ernest E. Draper, Scarsdale, N. Y., assignor to The Perser Corporation, New York, N. Y., a corporation of New York

Application August 8, 1930, Serial No. 473,929
14 Claims. (Cl. 95—5)



1. The method of making a stereoscopic picture, comprising making a single exposure of a stationary sensitized plate, through a multiplicity of lenses mounted in an arc of a circle, said exposure being made through a screen composed of alternate opaque and transparent vertical lines, a corresponding number of prisms arranged directly behind the lenses and intermediate the lenses and the line screen to superimpose the multiple images on said plate exactly upon all the images from all the lenses, except where they differ on account of the angle of view.

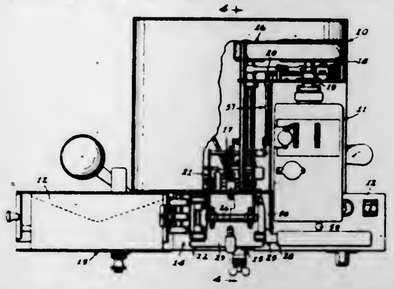
2,005,778

MANUAL FEEDING AND TRIPPING MECHANISM FOR A POWER DRIVEN POSTAL MACHINE

John Q. Finfrock, Westwood, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California

Application August 24, 1934, Serial No. 741,235
14 Claims. (Cl. 101—287)

1. In a postage printing machine, postage printing means, driving means operable for driving the printing means through a single operating cycle each time said driving means is placed into operation, conveyor means for advancing mail matter through the printing means, means for manually advancing the conveyor, and means for placing the printer driving means into opera-



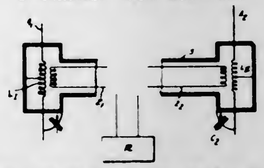
tion with each actuation of the conveyor actuating means.

2,005,779

DIRECTIVE AERIAL SYSTEM

Albrecht Gothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 22, 1932, Serial No. 618,621
In Germany June 29, 1931
3 Claims. (Cl. 250—11)



1. A short wave antenna system including a vertical antenna, a horizontal conductor unsymmetrically coupled thereto, and means for preventing the horizontal component of an electrical wave from setting up current in said antenna comprising a shield for said horizontal conductor and a variable condenser connected between said shield and said vertical antenna for balancing any unbalanced capacitive coupling between said antenna and said conductor by way of said shield.

2,005,780

MATERIAL FOR PROVIDING METAL WITH A PAINT RECEPTIVE SURFACE

James H. Gravell, Elkins Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application May 23, 1932, Serial No. 613,131
8 Claims. (Cl. 148—6)

1. A composition of materials of the class described for use in providing metal with a surface adapted to receive a coat of paint or the like, said composition including mono-calcium phosphate, an ionizing solvent, and clay characterized by the ability of 100 cc. of a water suspension thereof having twice the viscosity of water to form a plastic solid upon the addition of 12 cc. of furfural substantially as herein described.

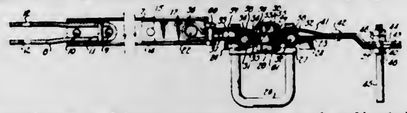
2,005,781

TRAILER HITCH

Joseph E. Hagstrom, Kansas City, Mo.

Application September 4, 1931, Serial No. 561,156
5 Claims. (Cl. 280—33.44)

5. In a towing hitch, a tongue having a hinge pin at one end thereof; a turn-table including a base member, and a rotatable member of sheet metal rotatably mounted on said base member and bent at one end around said hinge pin to



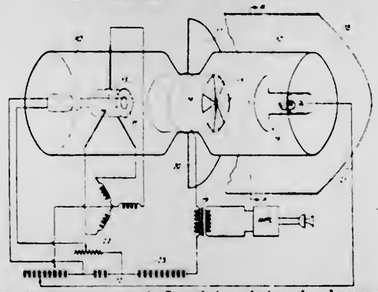
constitute a hinge connection; and adjustable means for forcing the bent-around end of said plate into closer engagement with the hinge pin to take up looseness or wear.

2,005,782

FREQUENCY MULTIPLIER FOR ULTRA HIGH FREQUENCIES

Clarence W. Hansell, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 3, 1932, Serial No. 641,020
12 Claims. (Cl. 250—36)



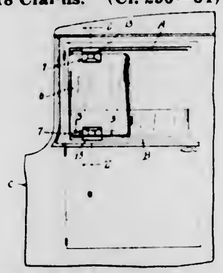
12. A system as defined in claim 4, characterized in this, that said deflecting electrodes are substantially located on a circle and surround said cathode.

2,005,783

MOUNTING FOR WIND DEFLECTORS OR THE LIKE

Leo M. Harvey, Los Angeles, Calif.

Application January 27, 1931, Serial No. 511,529
18 Claims. (Cl. 296—84)



1. A mounting for a wind deflector or the like comprising attaching members securable to supports, holders securable to a wind deflecting member, and means including universal joints connecting the holders with the attaching members, said means including resilient members.

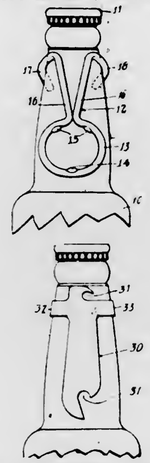
2,005,784

BOTTLE CAP REMOVER

Leo M. Harvey, Los Angeles, Calif.

Application April 6, 1934, Serial No. 719,353
7 Claims. (Cl. 65—46)

4. A bottle cap removing device formed of a single piece of metal, having means for yieldingly gripping onto the neck portion of a bottle for attachment thereto and a portion adapted to lie closely adjacent to and longitudinally of the bottle neck when not in use, and a cap engaging



means formed on said device operable when the device is removed from the bottle for lifting the cap, all portions of said device being located below the cap when attached to the bottle neck.

2,005,785

TREATMENT OF FILAMENTS, THREADS, YARNS, AND THE LIKE

Harold Maximilian Hibbert and Robert Pierce Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 23, 1933, Serial No. 658,140. In Great Britain March 11, 1932
12 Claims. (Cl. 28—1)

1. Method of treating textile filaments, threads, yarns and the like, comprising applying thereto an oil or fat obtained by hydrogenating an unsaturated fat or fatty oil.

2,005,786

STABILIZED CITRUS BEVERAGE AND SIRUP

Ralph H. Higby, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Continuation of application Serial No. 438,902, March 25, 1930. This application March 19, 1934, Serial No. 716,336
18 Claims. (Cl. 99—11)

1. A citrus beverage containing a quinoid compound in amounts sufficient to inhibit the fading of natural and added color present in the beverage but insufficient to impart an undesirable taste to the beverage.

2,005,787

BALL STENCIL

Walter E. Humphrey, Jeannette, Pa., assignor to Pennsylvania Rubber Company, a corporation of Pennsylvania

Application November 5, 1934, Serial No. 751,446
8 Claims. (Cl. 101—114)

1. The herein described method which comprises securing a compressible ball in "wedged" position within an equatorial, perforated stencil

band, supporting the ball compressively between two heads at opposite poles remote from such equatorially applied band, applying decorating



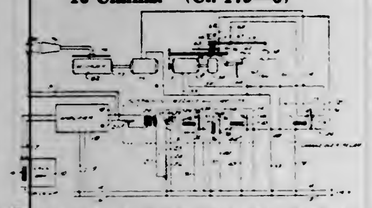
material to the exposed surfaces of said ball, and removing the decorated ball from between said heads and from within said band.

2,005,788

AUTOMATIC TELEPHONE MESSAGE RECEIVER AND RECORDER

Morris Keiser, New York, N. Y., assignor to Hixon-Keiser Patents Corporation, New York, N. Y., a corporation of New York

Application February 18, 1933, Serial No. 657,414
16 Claims. (Cl. 179—6)



16. In apparatus of the class described, an amplifier having its input coupled to a telephone line, a translating device connected to the output of said amplifier, a recorder associated with said translating device, a speaking record, a motor for actuating said speaking record, a second motor for actuating said recorder, a motor circuit for each of said motors, sustaining relays and circuits therefor actuated by current output from said amplifier, a change-over relay including an actuating electro-magnet, the circuits controlled by said change-over relay being supplied with power upon energization of the sustaining relays, said change-over relay normally closing the first motor circuit and opening said first motor circuit and closing the second motor circuit upon energization of said magnet, means actuated by the first motor to close a circuit through said magnet upon completion of the operation of the speaking record, circuit means closed by the energization of said relay magnet and arranged to maintain energization of the magnet during energization of the sustaining relays, electro-magnetic means controlled by one of said sustaining relays and arranged to lift a telephone instrument to establish its talking circuit, a reproducer box and needle movable to bring the needle into and out of engagement with the speaking record, and electro-magnetic means in parallel with the first motor and arranged to cause engagement of the needle and record upon energization of said first motor and to cause lifting of the needle out of said engagement upon opening of the circuit for the first motor.

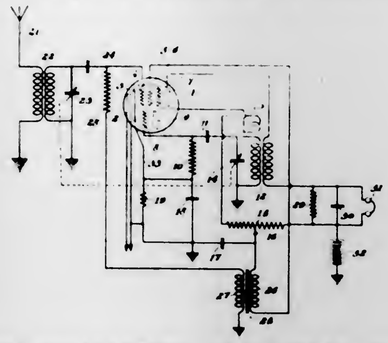
2,005,789

ONE TUBE RADIORECEIVER

Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 27, 1934, Serial No. 708,539
8 Claims. (Cl. 250—20)

1. In a radio receiver, a pentode-triode tube, means including the pentode-electrodes of said tube for amplifying radio-frequency signals, means including a tuned circuit to which the radio frequency output from the pentode electrodes of said tube is coupled for impressing signals to be detected upon the triode electrodes of said tube, an output circuit for said triode electrodes regeneratively coupled to said tuned circuit, a potentiometer in said output circuit, an audio frequency transformer the primary of



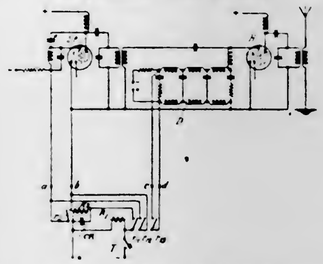
which connects between one end of said potentiometer and a variable tap intermediate thereof while the secondary of said transformer connects through a suitable radio frequency impedance with the input electrode of the pentode portion of said tube, and means including said variable tap for controlling both the amount of regeneration and the volume of the signals passed through said audio frequency transformer.

2,005,790

HIGH FREQUENCY TELEGRAPH TRANSMITTER

Ernst Kramar, Berlin-Tempelhof, and Erich Lüttcher, Berlin-Friedrichsfelde, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company of Germany

Application March 18, 1932, Serial No. 599,738
In Germany March 31, 1931
2 Claims. (Cl. 250—8)



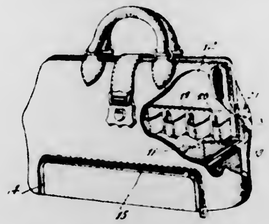
1. In a high frequency telegraph transmitter, the combination of a transmitter circuit with a controlling oscillator circuit, a key for producing marking and spacing signals, means responsive to each operation of said key to marking positions for switching on said oscillator before cutting in the transmitter circuit and to each operation of said key to spacing position for switching off the oscillator after cutting out the transmitter circuit, said means including relays, and a damping circuit disposed between one of said relays and said transmitter circuit.

2,005,791

HAND BAG

Gustave Kruse, Newark, N. J.

Application July 7, 1934, Serial No. 734,099
2 Claims. (Cl. 206—12)



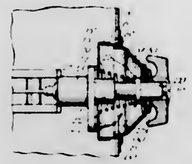
1. In a hand bag, a false bottom dividing the bag into an upper compartment and a lower compartment, one of the side walls of the bag being provided with an opening in alignment with the lower compartment and substantially co-extensive with the length thereof, a U-shaped metallic frame secured to the material of the wall of the bag adjacent said opening to reinforce the bag and define said opening, and a flap connected to the bag and adapted to close said opening, the free end of said flap and the said frame carrying cooperative latching elements to enable the flap to be latched to close the compartment opening, and means in the lower compartment arranged for holding surgical instruments and the like in a manner that will enable the instantaneous removal thereof through the compartment opening.

2,005,792

BEZEL MOUNTING

Oscar J. Leins, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 18, 1932, Serial No. 599,691
14 Claims. (Cl. 126—39)



9. In an oven, a heat regulator, an exterior oven wall having an opening adapted to receive a projecting portion of said heat regulator, and a mounting member surrounding said projecting portion and having floating engagement within said opening, said member having a radially extending flange bearing against the outer surface of said wall.

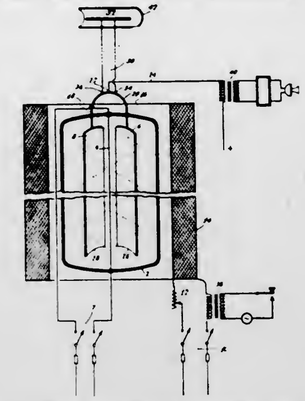
2,005,793

OSCILLATION GENERATION

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 21, 1930, Serial No. 469,364
12 Claims. (Cl. 250—17)

1. In an electron discharge device, a cathode, and an elongated anode a plurality of half wave lengths long at the operating frequency sectionalized into elongated sections, the sections of the anode being relatively close to increase mutual inductance and means for producing standing



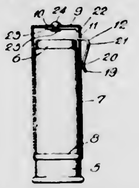
waves on said elongated sections out of phase with respect to each other.

2,005,794

LIP STICK CASE

Clinton E. Marshall, New York, N. Y.

Application July 27, 1934, Serial No. 737,169
5 Claims. (Cl. 24—11)



1. A clip for elongated tubular caps of the class described, the end wall of the cap having an aperture and the side wall a narrow opening disposed adjacent said end wall, the clip comprising an elongated metallic strip, one end portion of which is fashioned to form a spring clip disposed outwardly of the wall of said cap, and the other end portion being passed through the opening in the side wall of the cap and bent a number of times to form a part arranged upon the inner surface of the closed end wall of said cap and a part adjacent the inner surface of the side wall of the cap, and means passed through the aperture in the end wall of the cap and engaging that part of the strip adjacent said end wall for retaining the clip against displacement from the cap.

2,005,795

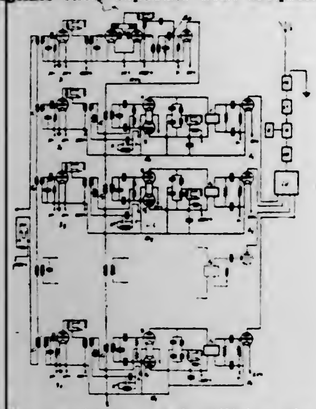
HIGH FREQUENCY MULTIPLEX SIGNALING SYSTEM

Gaston Adelin Mathieu and Owen Standidge Puckle, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application April 21, 1931, Serial No. 531,676
In Great Britain April 29, 1930
10 Claims. (Cl. 250—9)

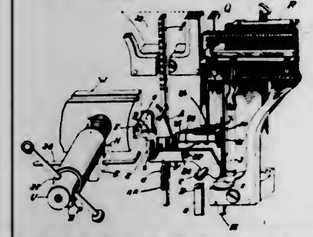
5. Signaling means comprising a master time period device, a plurality of frequency multipliers coupled in series with the output terminals of said device, means for beating one of the multiplied frequencies with each of the other multiplied frequencies separately to produce separate beat notes of different frequency, means for si-

multaneously modulating in accordance with desired signals each separate beat frequency, and



means for combining and utilizing the signal modulated beat frequencies.

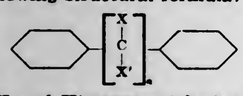
2,005,796
AUTOMATIC LINER SAFETY
B. A. Mills, Shreveport, La.
Application August 21, 1933, Serial No. 686,119
4 Claims. (Cl. 199—52)



4. In an automatic liner safety device, adapted to be attached to the assembler elevator gib, vise jaw plate screw, vise locking screws, mold turning pinion and dial lever; an angle bar, containing a key at its upper end and an adjustable lug secured adjustably to its lower end, operatively connected with an ejector locating lever, interchangeable supporting bracket and the intermediate latch lever mechanism, adapted to withdraw an intermediate latch lever from obstructing position when its lower end is engaged by the downward movement of the ejector locating lever.

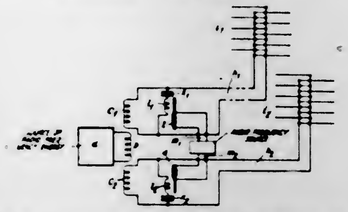
2,005,797
INSECTICIDE COMPOSITION
William Moore, Chappaqua, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 15, 1931, Serial No. 557,387
3 Claims. (Cl. 167—30)

1. An insecticidal composition comprising a solution in an organic solvent of a compound having the following structural formula:



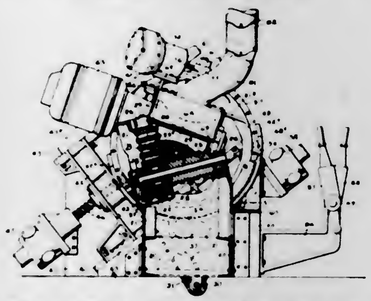
in which X and X' represent hydrogen or alkyl groups and n represents a whole number.

2,005,798
DIRECTIONAL APPARATUS
Wilhelm Moser, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 31, 1930, Serial No. 457,830
In Germany August 31, 1929
2 Claims. (Cl. 250—11)



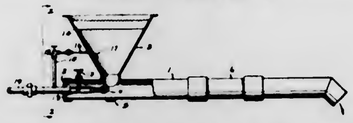
1. In a directive transmission system a plurality of directive aerial systems, a feed circuit including a reactance connected with each of said aerial systems, a single high frequency generator, means for inductively coupling said generator to all of said feed circuits simultaneously, and means for detuning said feed circuits successively at an audible frequency rate including, variable reactances connected in parallel with each of said first named reactances, and a source of audio frequency oscillations coupled to said parallel reactances to vary the same successively.

2,005,799
APPARATUS FOR REMOVING BARK FROM LOGS
Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, a corporation of Washington
Application August 7, 1933, Serial No. 684,036
9 Claims. (Cl. 144—208)



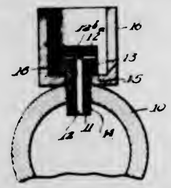
2. In a machine of the class described, the combination with means for supporting and longitudinally moving a log section, of a cutter-head having a concave surface, a rotatable annular member with which said cutter-head is connected, a diagonally-movable support on which said cutter-head is rotatably mounted, means for adjusting said support to move said cutter-head toward or away from the log section to be operated upon, means for rotating said annular member to cause said cutter-head to be bodily moved in a plane at right angles to the path of travel of the log section to bring said cutter-head into operative engagement with a side portion of said section, and other means for adjusting the cutter-head to conform approximately to the curved surface of said log section.

2,005,800
MIXING APPARATUS
Thomas O'Boyle, Cleveland, Tex., assignor of one-half to Hugh Wright, Houston, Tex.
Application July 14, 1934, Serial No. 735,295
1 Claim. (Cl. 259—4)



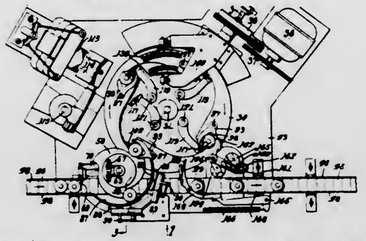
Mixing apparatus comprising a tubular container closed at one end and having an outlet, a hopper arranged to deliver material into the container, a water line entering the container and terminating in the container underneath and adjacent the hopper and having an opening inside of the container, a valve accessible from the outside of the container and arranged to control the opening to regulate the flow of water through said water line and opening a valve controlled nozzle pipe leading from said water line and terminating in a nozzle in the hopper and a mixing device incorporated into the container between the hopper and outlet through which the mixture in the container is forced on its way to said outlet.

2,005,801
BURNER FOR VARIOUS GASES
Ove M. Olsen, Rockford, Ill., assignor to Garnet W. McKee, Rockford, Ill.
Application August 17, 1931, Serial No. 557,501
4 Claims. (Cl. 158—116)



1. A gaseous fuel burner of the character described comprising in combination a cup-shaped member overlying a fuel supply manifold and consisting of a continuous side wall and a bottom wall forming with the side wall a combustion chamber with an open top, and a vertically extending nozzle embodying an enlarged head disposed in the lower part of the combustion chamber and spaced inwardly and centrally with respect to the side wall of the cup-shaped member, and a shank of reduced diameter formed integrally with, and extending downwardly from the lower end of, the head and projecting into a hole in the manifold, said nozzle having a central bore of uniform diameter extending longitudinally through the shank and into the head to a point beneath the upper end of said head and forming a vertical duct for receiving fuel from the manifold, and also having a plurality of transverse ducts extending radially from the upper end of the bore and outwardly through the side portions of the head and serving to jet streams of fuel outwardly against the side wall of the cup-shaped member for passage to the upper part of the combustion chamber, said transverse ducts being of greater total cross sectional area than the vertical duct so that the velocity of the fuel is reduced before jetting of the fuel against the side wall of the cup-shaped member.

2,005,802
LABELING MACHINE
Walter W. Oslund, Holden, Mass., assignor to The Oslund Brothers Machine Company, Incorporated, Holden, Mass., a corporation of Massachusetts
Original application February 6, 1933, Serial No. 655,401. Divided and this application June 16, 1933, Serial No. 676,066
5 Claims. (Cl. 216—59)



1. A labeling machine comprising a rotary table arranged to support articles during the labeling operation, a plurality of vertical shafts extending through the table and rotatably supported therein, mechanism located beneath the table and arranged to oscillate the shafts relative to the table as the table rotates, and label grippers located above the table and actuated by the shafts.

2,005,803
TOY FISHING OUTFIT
Jesse Kenneth Reel, Cantril, Iowa, assignor of one-half to John N. Calhoun, Keosauqua, Iowa
Application May 22, 1934, Serial No. 727,005
1 Claim. (Cl. 46—37)

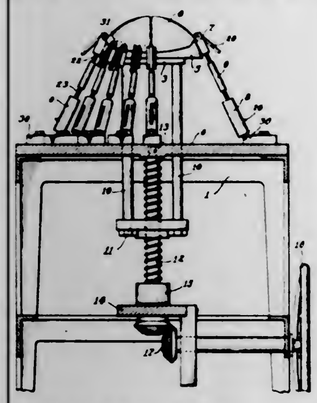


In a toy fishing outfit including a pole and a line, said pole having an elongated handle portion, a pair of spaced plates connected to the opposite sides of the handle portion intermediate the ends thereof, an annular row of pins carried by the plates, a shaft rotatably supported by the plates and around which the row of pins is concentrically arranged, one end of the shaft being extended and bent to form a handle, one end of the line being connected to the shaft and having a portion passing over one of the pins.

2,005,804
LEATHER FORMING MACHINE
John T. Riddell, Chicago, Ill.
Application December 18, 1933, Serial No. 702,918
3 Claims. (Cl. 69—1)

1. A device of the class described comprising a central support having a seat for a form block,

a series of stretcher members arranged in a ring about said support, leather gripping clamps on the ends of said stretcher members, said stretcher members being longitudinally adjustable,



spring balance elements interposed in said stretcher members, and jack means acting to shift said support relative to said stretcher members.

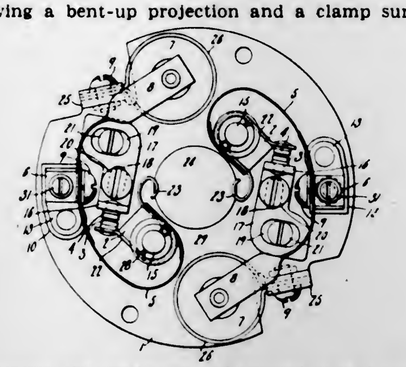
2,005,805
AERIAL
Henry Joseph Round, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 2, 1931, Serial No. 527,131
In Great Britain April 2, 1930
1 Claim. (Cl. 250—33)



An antenna system adapted to radiate chiefly in the direction of its length, comprising a straight, linear, vertical aerial having an electrical length approximately equal to an even multiple of a half wave, said aerial being loaded uniformly at substantially regular intervals throughout its length with capacity members arranged at right angles to the length of the aerial, the number of said capacity members comprising at least eight to the wave length, said capacity members being supported at their centers by said aerial.

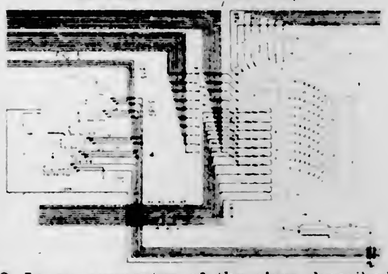
2,005,806
CIRCUIT BREAKER
Wolfgang E. Schwarzmann, Longmeadow, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application September 16, 1932, Serial No. 633,412
3 Claims. (Cl. 200—30)

1. A circuit breaker comprising a disc, an upright condenser attached to said disc, the latter having a bent-up projection and a clamp sur-



rounding the condenser and secured to said projection.

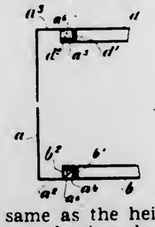
2,005,807
STOCK QUOTATION POSTING AND MARGIN CALCULATING MACHINE
Clyde Smith, Hopkinsville, Ky., assignor to International Communications Laboratories, Inc., New York, N. Y., a corporation of New York
Application August 30, 1930, Serial No. 478,881
18 Claims. (Cl. 235—92)



18. In an apparatus of the class described, a plurality of credit balance registers, each adapted to indicate the balance on a particular account, each account having a plurality of units, means for selecting one of said registers, driving means for operating said selected register, selectable means for operating said driving means, and means for operatively associating said register with said driving means until said selectable means has completed one revolution for each unit contained in the account associated with said register.

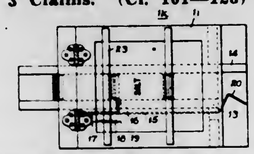
2,005,808
CONVECTION TYPE RADIATOR ENCLOSURE
Herbert Smith, Clinton, Mass., assignor to Edward C. Bowers and Charles L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware
Application September 23, 1932, Serial No. 634,491
2 Claims. (Cl. 237—79)

1. A sectional radiator enclosure having similar end panels provided with flanges having reversely turned tongues at their edges, ears carried by the tongues, a rear wall having its edges so bent as to form grooves which receive the proximate tongues and provide interlocking of the parts to prevent relative movement thereof in all directions except the vertical, an independent front wall having its edges so bent as to form grooves which receive the proximate tongues and provide interlocking of the parts to prevent relative movement thereof in all directions except the vertical, the over-all height of the front and rear



walls being the same as the height of the end panels, and a cover having depending flanges telescoping with said walls, respectively.

2,005,809
STENCILING METHOD AND APPARATUS
John C. Smith and George H. Campbell, Monaca, Pa., assignors to Solar Laboratories, Monaca, Pa., a corporation of Pennsylvania
Application July 9, 1932, Serial No. 621,628
3 Claims. (Cl. 101—123)



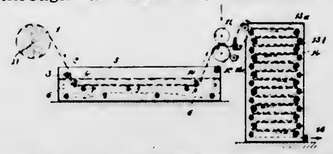
1. Stenciling apparatus comprising a guideway for articles to be stenciled, a stencil sheet or the like positioned above said guideway, a stop member normally positioned to limit movement of an article past the said stencil, and a tripping device positioned to be operated by an article entering the guideway and serving to withdraw the said stop member to inoperative position.

2,005,810
DYESTUFFS OF THE DIBENZANTHRONE SERIES AND PROCESS OF PREPARING THE SAME
Otto Stallmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 27, 1933, Series No. 658,833
22 Claims. (Cl. 260—54)

1. A transformation product of a mono-isoalkyl ether of dihydroxy-dibenzanthrone, being substantially identical with the product obtainable by heating a mono-isoalkyl ether of 12, 12' dihydroxy-dibenzanthrone in an inert organic solvent at a temperature between 170° and 220° C., in the presence of an anhydrous alkaline agent.

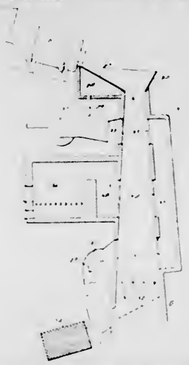
2,005,811
METHOD OF PREPARING AND MATURING ALKALI CELLULOSE
Franz Steimmig, Hermsdorf, near Kynast, Germany
Application February 23, 1933, Serial No. 658,132
In Germany March 7, 1932
2 Claims. (Cl. 260—10)

1. A method of preparing and maturing alkali cellulose for the production of viscose, comprising the use of a roll of a thin strip or web of cellulose, unwinding this continuous strip from the roll and introducing it into the mercerizing lye, freeing it at the exit from the lye from the excess of lye by squeezing rolls, leading it into and through an enclosed, uniformly heated



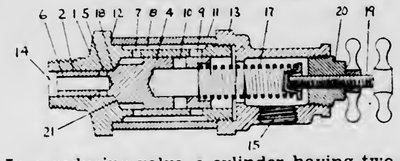
atmosphere to ripen the same, and controlling therein the degree of moisture.

2,005,812
METHOD AND APPARATUS FOR TREATING SLIMY MATERIALS
John Gordon Thomas, New York, N. Y.
Application May 12, 1931, Serial No. 536,704
Renewed February 2, 1935
15 Claims. (Cl. 110—8)



1. The method of disposal of wet sewage sludge and like matter which comprises distributing such matter onto the surface of pieces of carrier material sufficiently large to leave open interstices for free flow of gases between them when piled together with the wet matter distributed thereon, drying said matter thereon, and subjecting the dried matter on said carrier pieces to at least partial combustion by passing through a pile thereof oxygen-containing gases at a temperature above the ignition temperature of said dried matter.

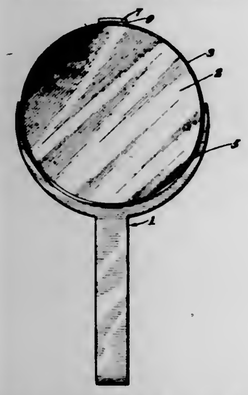
2,005,813
PRESSURE REDUCING VALVE
Thorvald L. Thorsen, Beloit, Wis.
Application May 23, 1934, Serial No. 727,018
1 Claim. (Cl. 50—14)



In a reducing valve, a cylinder having two coaxial bores, the inlet bore being smaller than the outlet bore, a piston slidably fitting both bores, a connection for supplying high pressure against the small end of said piston, communication from high pressure to low pressure being closed by the fit of the small end of the piston in the small bore when in its closed position and opened by a predetermined movement of said piston, said

communication including a passage outside the large bore cylinder formed by a separate sleeve fixed to the outside of the body of the cylinder, fitted pressure tight at both ends and enclosing a recess between the ends to form said passage.

2,005,814
MIRROR
James F. Walsh, South Orange, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application April 26, 1929, Serial No. 358,215
2 Claims. (Cl. 88—102)



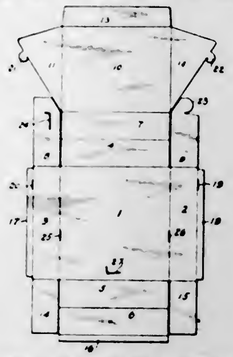
1. A frame for mirrors and other articles comprising a supporting base having an undercut rim adapted to engage part only of the periphery of said article and an undercut lug adapted to engage a portion of the remainder of said periphery and resiliently carried by said base whereby the article may be snapped past the lug and into position on said base.

2,005,815
MANUFACTURE OF META-CRESOL-METHYL-ETHER
Walter V. Wirth, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1934, Serial No. 712,606
3 Claims. (Cl. 260—150)

1. A process for manufacturing the methyl-ether of meta-cresol, which comprises feeding into an aqueous solution of an alkali-metal-meta-cresolate a quantity of dimethyl sulfate, corresponding to between one-half and one mol per mol of the cresolate, heating the mass until the reaction has reached a point of substantial equilibrium, and then feeding in aqueous caustic alkali at a rate not higher than that required to maintain the mass at a slight alkalinity to Clayton yellow paper.

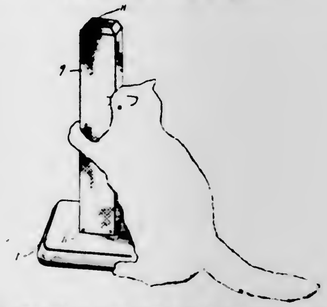
2,005,816
KNOCKDOWN TILT DISPLAY CARTON
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application June 21, 1934, Serial No. 731,604
9 Claims. (Cl. 206—44)

1. A carton comprising a container portion including two opposed side walls having integral top ledges thereon, a coacting interposed wall, said ledges having aligned slots therein adjacent the interposed wall; a display panel or strip having its ends seated on said ledges, a



tuck flap extending from said panel and engaged against said interposed wall, and latch tabs turned downwardly from said ends and engaged in said slots.

2,005,817
SCRATCHING POST
Daniel D. Yoder, Seattle, Wash.
Application January 29, 1934, Serial No. 708,771
3 Claims. (Cl. 119—1)

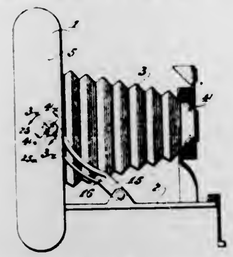


1. A device of the character described comprising a base and a standard fixed thereon having a fabric covering, and containers beneath the fabric covering for a substance attractive to cats.

2,005,818
CAMERA
Lionel R. Bell, Rochester, N. Y., assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application July 13, 1934, Serial No. 734,950
Renewed March 6, 1935
15 Claims. (Cl. 95—40)

1. In a camera, the combination of a camera box having two sides, a stud projecting inwardly from each of said sides, a camera bed hinged on said box, links pivotally engaged with said bed, said links each having a slot therein with which said links make sliding engagement with said studs, said links having recesses therein extending laterally from the upper end of said slots, each of said studs having a slot therein, dogs mounted in said slots, means for normally pushing said dogs outward into engagement with the sides of the slots of said links, a sleeve sliding on said stud having a cone-shaped seat on the end

thereof, said dogs having beveled ends with which said cone-shaped seat is adapted to engage and



by which the dogs are drawn inward on the pressing of the sleeve.

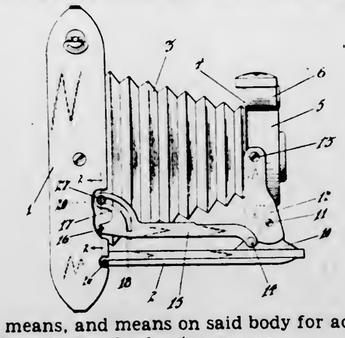
2,005,819
CORE DRILL
Benjamin F. Blanchard, Brea, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 5, 1932, Serial No. 620,833
17 Claims. (Cl. 255—72)



1. A core drill comprising a rotatable housing carrying a core bit on its lower end, a core breaker and catcher positioned within the bit adjacent its lower end, a core barrel cooperating with said breaker and catcher to receive a core, a piston connected with said core barrel, a cylinder carried by said housing and receiving said piston, said housing and cylinder having means for transmitting circulated mud pressure to one end of the cylinder for maintaining the piston and core barrel in an elevated position.

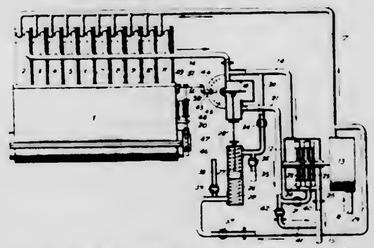
2,005,820
FOLDING CAMERA
Carl Bornmann, Lew W. Lessler, and Eric H. Heyer, Binghamton, N. Y., assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application December 18, 1934, Serial No. 758,070
10 Claims. (Cl. 95—40)

1. A folding camera comprising a body, a platform hinged thereto, a lens carrier pivotally supported on said platform, means pivoted to said body for supporting said platform in its opened position, said means having connection with said carrier to rock the same on its pivot when said platform is opened and closed, means on said body for locking and releasing said support-



ing means, and means on said body for actuating said locking and releasing means.

2,005,821
INTERNAL COMBUSTION ENGINE PLANT
Alfred Büchi, Winterthur, Switzerland
Application October 26, 1929, Serial No. 402,722
In Switzerland November 3, 1928
2 Claims. (Cl. 60—13)

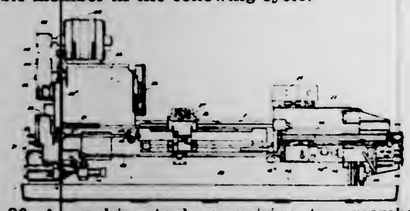


2. In a power plant comprising an internal combustion engine having a plurality of cylinders, a turbine driven by the exhaust gases of said engine, a compressor for supplying compressed air to the combustion cylinders for charging and scavenging purposes and driven by said exhaust turbine, an exhaust conduit interposed between internal combustion engine and turbine, into said exhaust conduit exhausting a plurality of combustion cylinders, one by-pass connecting said exhaust conduit to the atmosphere, one valve therein, a cylinder, a piston therein, a rod connecting said valve to said piston, a conduit between one side of said cylinder and said exhaust conduit, a conduit from the other side of said cylinder to the atmosphere, and spring means acting on said piston.

2,005,822
HYDRAULIC MACHINE TOOL
Edward P. Burrell, Shaker Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1931, Serial No. 557,109
49 Claims. (Cl. 29—42)

1. A machine tool comprising two members one of which is relatively movable in opposite directions with respect to the other, one of said members being provided with a spindle and the other with an indexible member, means for rotating said spindle at different speeds, and hydraulic means for controlling the spindle speeds actuated by the movable member during its move-

ment in one operative cycle for changing the spindle speed during the movement of the movable member in the following cycle.



26. A machine tool comprising two members, one of which is relatively movable with respect to the other, one of said members being provided with a spindle and the other with an indexible member, means for rotating said spindle at different speeds, means for varying the rate of movement of the movable member, hydraulic means controlling said first named means, control valves for said hydraulic means, a hydraulic motor controlling said second named means, means controlling said hydraulic motor and including a stop roll to control the extent of movement of the movable part of the motor to obtain the desired rate of movement for the movable member, a control shaft operated by the movement of said movable member and actuating said valve and said stop roll, and a second stop roll for arresting the movement of said movable member and operatively connected with said control shaft.

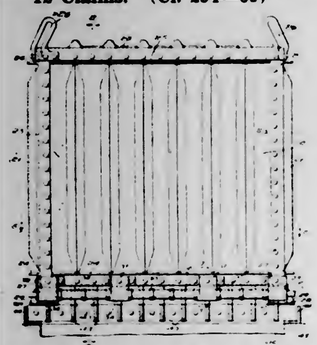
2,005,823

MEANS FOR TRANSPORTING ARTICLES

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application May 14, 1931, Serial No. 537,343

12 Claims. (Cl. 294—69)



1. As an article of manufacture, a transportation container having an opening in the bottom thereof and a closure for said opening, said closure including a plurality of spaced bars, the container having means for supporting the same with the bars spaced above the points of support.

2,005,824

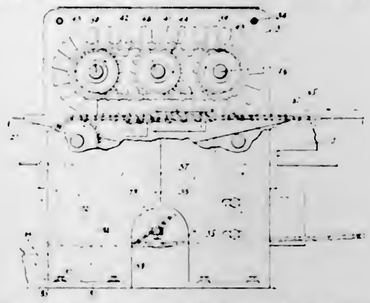
CLIPPER

George Haumann, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio

Application December 18, 1931, Serial No. 581,924

17 Claims. (Cl. 164—68)

1. In an apparatus of the character described, a material supporting and conveying means continuously operating, a material severing means having a plurality of transversely extending knife blades spaced apart longitudinally and movable lineally in the same general direction as the



material, and settable means movable with said conveying means and adapted to actuate said knife blades to cause the latter to sever the material.

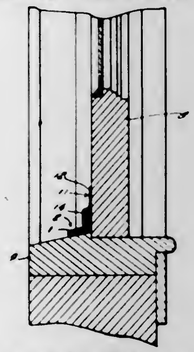
2,005,825

WEATHER STRIP

John J. Sheppard, Flint, Mich.

Application January 31, 1935, Serial No. 4,379

3 Claims. (Cl. 20—69)



1. A weather strip for windows comprising a holder of substantially angular transverse section, a rubber body of substantially angular transverse section mounted in the holder, said holder being adapted to be mounted on the window sill and including retaining flanges engaged over the longitudinal marginal portions of the rubber body, said rubber body comprising serrations projecting beyond the flanges for engagement with the window sill and the window sash.

2,005,826

STAND

Harry W. Kulp and Martin C. Dellinger, Lancaster, Pa., assignors to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 29, 1934, Serial No. 708,886

5 Claims. (Cl. 248—44)

4. A collapsible stand comprising a pair of wire rod members, each member having a relatively long substantially horizontal portion and having its rear end portion formed into a helix, the helices of said members being of such relative sizes that the helix of the one member will make a snug screw fit in the helix of the other member, and the common axis of the helices in assembled relation extending upwardly and being in-



clined forwardly toward and between said horizontal portions of said members.

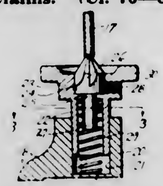
2,005,827

HOLLOW DRILL SHARPENER

Harry I. Lewis and Frederick W. Seybold, Dayton, Ohio, assignors to Harris Seybold Potter Company, Cleveland, Ohio, a corporation of Delaware

Application November 18, 1933, Serial No. 698,660

5 Claims. (Cl. 76—82)



1. In a device of the character described, a base member with a flat supporting under surface and with a cylindrical guide surface at right angles to said supporting surface, a second member having a cylindrical surface fitting the cylindrical surface of the base member and movable with respect thereto both longitudinally and rotatably, said second member having a sharpening tool rotatable therewith and axially arranged with respect to said cylindrical surfaces, and a spring tending to separate said members longitudinally.

2,005,828

WHEEL

Orrel A. Parker, Cleveland, Ohio

Application November 4, 1931, Serial No. 572,945

7 Claims. (Cl. 301—12)



1. In a wheel structure, a main body comprising a spoke portion, a pair of demountable rims on the body, means for exerting thrust radially outwardly on the rims to clamp them on the body, the means comprising a device having a frame element engaging the rims radially inwardly thereof, and disposed between the end of the spoke portion and the rims, a wedge element movable axially on the frame element, and engaging the end of the spoke portion, a bolt loosely anchored at its head end in the frame element, and extending through the wedge element, a nut on the bolt engaging the wedge element to propel the element axially of the bolt in either direction, and adapted when turned in one direction on the bolt to propel the wedge element axially on the frame element in one direction to cause it to react wedgingly between the end of the spoke portion and the rims, the frame element having a portion extending radially of the wheel and overlapping the end of the spoke portion to prevent axial movement of the frame element in the other direction, and the frame element rockingly engaging the wedge element whereby the wedging force may be equalized between the frame element and the two rims.

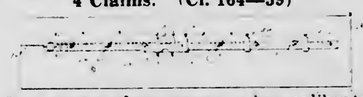
2,005,829

SQUARE SHEAR GAUGE

Herman C. Schlack, Detroit, Mich., assignor of forty-nine one-hundredths to Chester A. Kurrash, Detroit, Mich.

Application January 2, 1934, Serial No. 704,841

4 Claims. (Cl. 164—59)



1. In a square shear gauge, a bar calibrated in inches, a protractor in one end of the bar adapted for attachment to the bed of a square shear, the bar being turnable on the protractor and being adapted for attachment at an angle to the bed of the square shear, a member adjustable longitudinally of said calibrated bar, said member being provided with calibrations representing subdivisions of inches and registering with the calibrations on the bar, a series of dogs adjustably mounted on the calibrated bar, each dog being provided with a vertically slidable member normally arranged to drop by gravity below one edge of the calibrated bar, each slidable member being provided with a rounded edge so that a metal sheet may be moved therebeneath into contact with the edge of the bar and the calibrated member being adapted for accurately positioning the dogs on the calibrated bar.

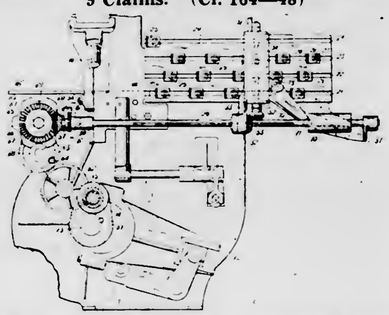
2,005,830

BACK GAUGE STOP MECHANISM

Frederick W. Seybold, Dayton, Ohio, assignor to Harris Seybold Potter Company, Cleveland, Ohio, a corporation of Delaware

Application May 23, 1933, Serial No. 672,397

9 Claims. (Cl. 164—48)



1. In a machine of the class described, a reciprocable tool, a carriage for moving work toward the tool in successive steps, a stop carrying member associated with said carriage for movement proportionately therewith, a fixed stop carrying member, one of said members having therein a

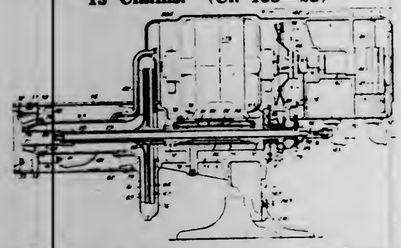
plurality of spaced guides for the reception of stops adjustable in said guides, the other of said members having retractable stops equal in number to the number of said guides and adapted to engage the said adjustable stops, and means operated by mechanical connections exclusively, and synchronized with the operations of the tool, for moving the retractable stops corresponding to the various guides into operative position in regular established sequence during the forward travel of the carriage.

2,005,831
POURING CARTON
James Shaw, Akron, Ohio, assignor to The Colonial Salt Company, Akron, Ohio, a corporation of Ohio
Application April 9, 1934, Serial No. 719,639
4 Claims. (Cl. 221—11)



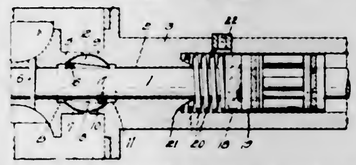
1. In a folding carton having an end wall comprising an inner flap, an intermediate flap and an outer flap secured together in overlapping arrangement, said inner flap having an opening with two pairs of cuts extending therefrom and forming two opposed tongues, a spout member having side walls, extending through said cuts, and a wall which is attached to one of said tongues whereby the tongue functions as a hinge connection between the spout member and said inner flap, the last mentioned wall acting as a cover for said opening when the spout member is in its closed position, said intermediate flap being provided with an opening through which the spout member is adapted to be moved to and from its closed position, and said outer flap being provided with a tear-out portion overlying and normally concealing the spout member but which upon removal forms an opening in the outer flap through which the spout member is accessible.

2,005,832
OIL BURNER
René M. Vidalie, San Francisco, Calif., assignor to Ray Burner Company, San Francisco, Calif., a corporation of Delaware
Application March 11, 1931, Serial No. 521,855
13 Claims. (Cl. 158—28)



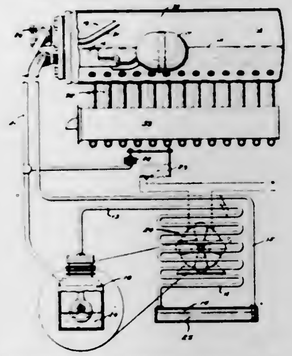
1. In an oil burner; an oil atomizing cup mounted for rotation, a fan casing, a fan mounted in the casing for rotation with the cup, an air discharge nozzle extending from the fan casing to discharge air about the cup, a secondary nozzle positioned about the discharge nozzle, an insulating block carried by the secondary nozzle adjacent to the atomizing cup and positioned out of the normal path of the atomized oil discharged from the cup, an electrical resistance element mounted on the insulating block out of the path of oil atomized off the cup, and means automatically controlled upon starting for causing oil atomized off the cup to contact the insulating block adjacent the resistance element to be ignited, the block having a passage therethrough to permit an air circulation over the resistance element to cool the same, the secondary nozzle including an aperture for admitting air to pass over the resistance element.

2,005,833
FLUID SEAL
Frederick L. Schleicher, St. Louis County, Mo.
Application July 4, 1933, Serial No. 679,007
16 Claims. (Cl. 286—7)



1. In a fluid seal construction for rotary shafts, a socket member concentric with and revoluble with the shaft and disposed within a housing, a bearing for the shaft, a stationary socket member on the inner end of the bearing and concentric therewith, an intermediate seal member having a spherical surface surrounding the shaft and embracingly engaged by the socket members, said intermediate seal member provided with a bore of greater diameter than the shaft and means on the shaft for constantly changing the axis of the intermediate seal member with relation to the shaft and slowly rotating the same to effect an efficient lapping action to the sealing member surfaces.

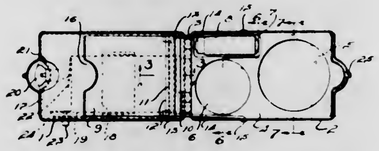
2,005,834
REFRIGERATION
Harry M. Williams, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application November 30, 1931, Serial No. 577,940
5 Claims. (Cl. 62—126)



5. A refrigerating system comprising a compressor, condenser and evaporator in refrigerant-

lubricant circulating relationship, said evaporator being provided with a liquid refrigerant inlet having a control automatically responsive to the liquid level in said evaporator and having a gaseous refrigerant outlet above the level of liquid refrigerant in said evaporator, said outlet having no connection below the liquid level, said system being charged with a refrigerant and a lubricant completely miscible with each other in the liquid phase at the normal evaporator operating temperatures.

2,005,835
VANITY CASE
Floyd M. Williamson, Detroit, Mich.
Application July 13, 1934, Serial No. 734,951
6 Claims. (Cl. 132—83)



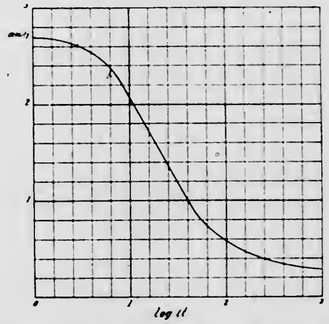
1. In a vanity case, a casing member provided with cosmetic compartments, a mirror hingedly mounted on said casing member and forming a cover for the cosmetic compartments, a wiper bar slidable longitudinally of the mirror, a rod connecting each end of the wiper bar with the casing, the arrangement being such that as the mirror is turned in relation to the casing the wiper bar is moved longitudinally of the mirror.

2,005,836
SIGNALING SYSTEM
Milton I. Almquist, Maplewood, N. J., and Albert C. Thompson, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 29, 1933, Serial No. 687,368
4 Claims. (Cl. 179—43)



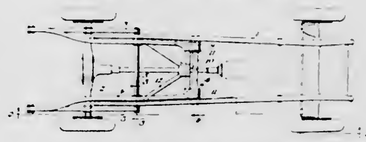
1. The method of signaling over a telephone circuit which consists in transmitting from one end of said circuit while said circuit is not in use for the transmission of telephone currents, an alternating current of a first frequency, transmitting from the other end of said circuit while said circuit is not in use for the transmission of telephone currents, an alternating current of a second frequency, removing the current of the first frequency from the telephone circuit so that an indication is provided at the distant end when a telephone connection is desired, removing the alternating current of the second frequency to clear the circuit for the telephone connection, reapplying and subsequently removing the alternating current of the second frequency to said circuit at the distant end, indicating at the first end of said circuit the application and removal of said alternating current, and reapplying the alternating current of the first frequency when the circuit is to be restored to its original condition.

2,005,837
MANUFACTURE OF PHOTOGRAPHIC EMULSIONS
Hans Arens, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application July 1, 1932, Serial No. 620,483
In Germany July 7, 1931
8 Claims. (Cl. 95—7)



1. The process of manufacturing photographic emulsion layers directly yielding positive pictures which comprises producing a strongly fogged silver halide emulsion by the addition of a substance which causes fog and bringing the fogged emulsion to strong solarization.

2,005,838
SHOCK ABSORBER FOR MOTOR VEHICLES
Louis A. Bartlett, Pittsburgh, Pa.
Application March 28, 1934, Serial No. 717,819
3 Claims. (Cl. 280—106.5)

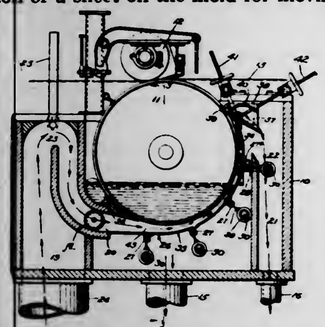


1. In combination with a motor vehicle chassis having a rear axle assembly arranged rearwardly of the rear end of said chassis and including rear springs, a shaft journaled to the chassis forward of the rear end thereof and providing hangers for the front ends of said springs, an auxiliary frame journaled to said shaft and connected to the rear ends of said springs, cushion means between said auxiliary frame and the chassis, and anti-friction bearings provided between the shaft and the chassis and the auxiliary frame.

2,005,839
CYLINDER MACHINE
Jacob Edge, Downingtown, Pa., assignor to Downingtown Manufacturing Company, Downingtown, Pa., a corporation of Pennsylvania
Application January 26, 1933, Serial No. 653,726
8 Claims. (Cl. 92—43)

1. In combination, a vat, a cylinder mold therein, a wall confronting the surface of the cylinder mold and co-acting therewith to define

a forming section and means operable during the formation of a sheet on the mold for moving the



wall throughout its length toward and away from the cylinder mold.

2,005,840
INSULATING MATERIAL

Rudolf Engelhardt, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 10, 1932, Serial No. 642,131. In Germany November 11, 1931

4 Claims. (Cl. 252—1)

1. Insulating material comprising a chlorodiphenyl being liquid at room temperature which has been exposed to an electrical high tension field until disruptive discharge has occurred and then purified.

2,005,841
CLASP

Harry W. Kulp and Martin C. Dellinger, Lancaster, Pa., assignors to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 29, 1934, Serial No. 708,884

4 Claims. (Cl. 24—252)



1. A clasp comprising a pair of substantially identically formed sheet metal plates, each plate being formed with an inwardly pressed integral horizontal strap having a portion straight in a direction parallel to the face of said plate, and an inwardly pressed circular stud centrally located above said strap, in combination with a resilient approximately W-shape spring-hinge member for hingedly connecting said plates together and for resiliently pressing the lower portions of said plates toward each other to grip an article between their registering opposed lower edge faces, the outer arms of said member diverging upwardly, being adapted respectively to fit between the outer faces of the respective straps and the adjacent inner faces of the respective plates and being formed in their upper portions with holes corresponding in shape to, and of such size as to snugly receive, the respective studs, said arms being of a width substantially equal to the length of the straight portions of said straps and having their extreme upper end portions inwardly bent or rounded to facilitate the passage of the upper portions of the respective arms upward over the respective studs.

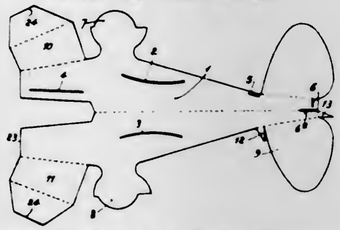
2,005,842
TOY AEROPLANE

Etienne Marcus, Paris, France

Application March 8, 1934, Serial No. 714,691

In France March 11, 1933

5 Claims. (Cl. 46—50)



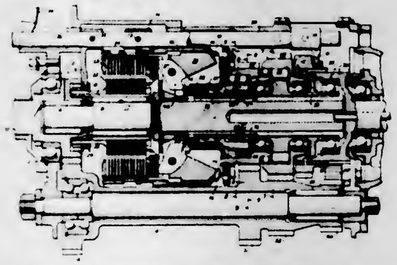
1. Toy aeroplane constructed by cutting and folding sheets of paper or the like, comprising a fuselage of V section, a balance weight at the front part of the fuselage obtained by cutting and folding from the sheet, a wing inserted in the fuselage and a steering rudder attached to the fuselage.

2,005,843
TRANSMISSION

Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application April 17, 1933, Serial No. 666,577

13 Claims. (Cl. 74—336)



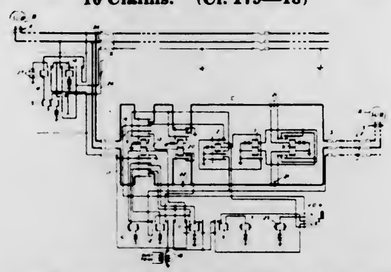
1. In an automatic variable speed transmission, a driving shaft, a driven shaft, a direct drive clutch having a drum element connected to one of said shafts, and a hub element connected to the other of said shafts, frictional means connecting the hub and drum elements, a gear train including a gear having an overrunning clutch for connecting the shafts around the direct drive clutch, a manually shiftable member rotatable with the driven element for coupling the gear to the driven element around the overrunning clutch and disconnecting the direct drive clutch from the driving shaft by a unidirectional manual operation.

2,005,844
TELEPHONE SYSTEM

Frank Newforth, Jr., Temple City, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 17, 1934, Serial No. 721,041

10 Claims. (Cl. 179—18)



1. The combination in a telephone system of a conversational circuit, a terminal for said circuit arranged to assume one electrical condition when the circuit is idle and another electrical condition when the circuit is busy, means effective if said circuit is in a calling condition to remove the idle condition from said terminal so that the terminal presents neither the idle nor the busy condition, switching means for extending said circuit, and means effective in response to the extension of said circuit for placing the busy condition on said terminal.

2,005,845
METER CONSTRUCTION

Howard J. Pardee, New York, N. Y.

Original application February 10, 1931, Serial No. 514,884. Divided and this application June 2, 1933, Serial No. 674,102

9 Claims. (Cl. 73—167)



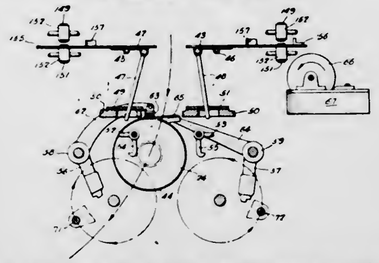
1. A gas flow measuring meter of the manometer liquid type particularly adapted for use in connection with a gas control unit or the like, said meter comprising an orifice assembly including an orifice, an inner tube depending from said assembly, an outer tube disposed in telescoping relation to the lower end of the inner tube, said outer tube being partly filled with manometer liquid, said assembly comprising a substantially tubular wall constituting an extension of said inner tube in substantial alinement with the latter, said orifice being arranged in said wall, means for attaching said assembly and tubes as a unit to said gas control unit or the like, and means for indicating the rate of flow of gas through the meter.

2,005,846
ROLL LABELING MACHINE

Philip D. Parsons, Swarthmore, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania

Application February 17, 1934, Serial No. 711,744

13 Claims. (Cl. 216—25)



1. In a machine for wrapping paper rolls, the combination with roll-conveying means, of means for supporting a wrapper element in the path of said roll, and means operative on opposite ends of said wrapper to cause the latter to embrace the roll with the ends thereof in overlapped relation, said means comprising an element operative to retain the underlapped end of the wrapper in position against the roll until said end is engaged by the overlapped portion.

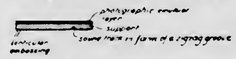
2,005,847
SOUND FILM

Richard Schmidt, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application January 28, 1933, Serial No. 654,089

In Germany January 30, 1932

2 Claims. (Cl. 274—43)



1. A lenticular film bearing a mechanical sound track in form of a zigzag sound groove within the lenticular elements.

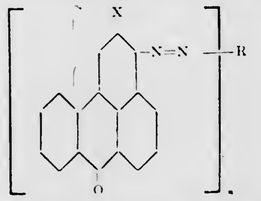
2,005,848
WATER INSOLUBLE AZO DYESTUFF CONTAINING A BENZANTHRONE NUCLEUS

Gerhard Schrader, Opladen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 25, 1933, Serial No. 662,828. In Germany April 2, 1932

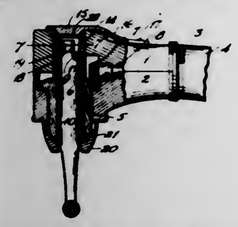
14 Claims. (Cl. 260—86)

1. Water insoluble dyestuffs of the general formula:



wherein X stands for a hydrogen atom or for an alkoxy group, *n* stands for one of the numbers 1 and 2, and R stands for the radical of an enolic or phenolic coupling component suitable for producing azodyestuffs, yielding, when produced on the fibre, various shades of good fastness to boiling and chlorine.

2,005,849
ANGLE DENTAL HANDPIECE
Perry R. Skinner, Amsterdam, N. Y.
Application July 6, 1933, Serial No. 679,248
7 Claims. (Cl. 32—27)



1. A dental handpiece comprising a rotatable sleeve, a tool-receiving member, means for causing a tool to rotate with the member, and means whereby the tool receiving member is caused to rotate with the sleeve and a tool is engaged and prevented from withdrawal from the tool-receiving member.

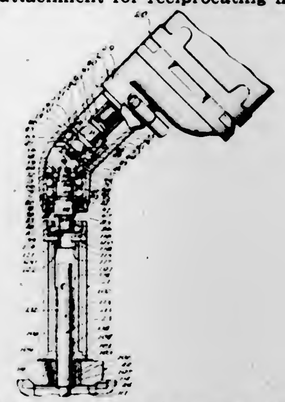
2,005,850
ATTACHMENT FOR MEASURING TAPES
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan
Application January 29, 1934, Serial No. 708,798
5 Claims. (Cl. 33—137)



1. The combination with a metal tape having a handle body and means detachably securing the tape thereto, a reinforcing member of bendable resilient ribbon metal fixed lengthwise to the handle body and extending from the end thereof a substantial distance and overlying the tape, a keeper slidingly connecting the tape to said resilient reinforcing member at a point remote from said handle body and arranged to permit relative endwise movements of the keeper and tape upon coincident lateral bending of the tape and reinforcing member, said detachable securing means and said keeper being arranged to permit angular sidewise sliding movement of the tape end relatively to the body.

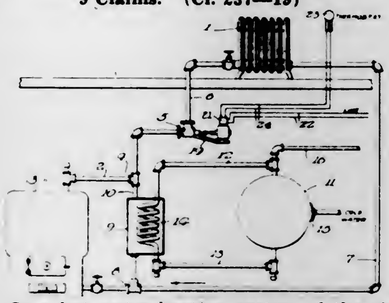
2,005,851
VALVE SEAT GRINDER
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application July 19, 1934, Serial No. 735,932
8 Claims. (Cl. 51—241)

1. In a valve seat grinding apparatus, the combination of a pilot stem adapted to be fixedly secured in centered position in a valve stem guide, with a grinding wheel holder slidably and rotatably mounted on said pilot, a motor driver adapted to rotate said grinding wheel holder, a grinding wheel and an angular attachment providing an operative connection between said motor driver and said grinding wheel holder whereby said grinding wheel holder may be rotated in an upright position, with the motor driver disposed at an angle, said angular attachment having a drive shaft resiliently mounted in said angular attachment for reciprocating movement



against the compression of a spring resiliently to support the weight of the motor.

2,005,852
HOT WATER HEATING SYSTEM
Frederick C. Broderick, Winnetka, Ill.
Application February 25, 1933, Serial No. 658,532
9 Claims. (Cl. 237—19)

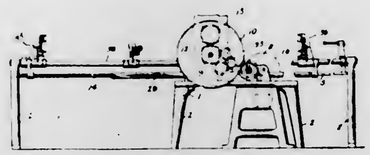


6. In a hot water heating system of the class described the combination with a boiler, a radiator, a supply conduit leading from said boiler to said radiator, and a return conduit leading from said radiator to said boiler, all arranged in a water filled circuit, of a water heating device associated with said boiler and arranged to receive heat from the boiler water by thermal gravitational circulation thereof, a valve in said supply line arranged to normally resist circulation of boiler water to said radiator, a valve in said return line arranged to prevent passage of boiler water therethrough to said radiator, a thermostat positioned to be affected by said radiator, and means controlled by said thermostat arranged to actuate said valves to permit circulation of boiler water to and from said radiator.

2,005,853
FEED MECHANISM FOR ROLLING MACHINES
Homer J. Davis, Wilmington, Del.
Original application September 2, 1930, Serial No. 479,378. Divided and this application October 14, 1931, Serial No. 568,760
16 Claims. (Cl. 93—83)

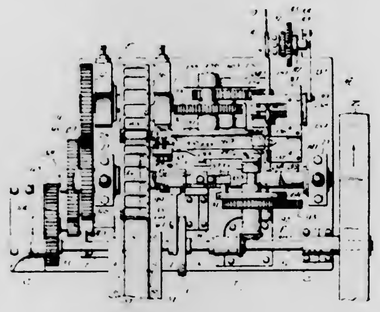
1. A feeding mechanism for a rolling machine comprising individually mounted duplex feeding

devices for reciprocating material and automatic



reversible drive mechanism periodically connecting with the said feeding devices.

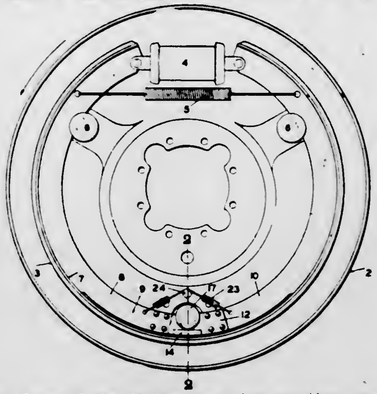
2,005,854
SUCKER MACHINE
James A. Davis and Charles L. Moyer, Chicago, Ill., assignors, by direct and mesne assignments, to Parker-Meyer-Dennis Company, Dubuque, Iowa, a corporation of Iowa
Application October 16, 1933, Serial No. 693,713
Renewed February 7, 1934
35 Claims. (Cl. 107—8)



21. In a sucker machine, movable confection forming means having a plurality of handle receiving apertures therein, handle forming means, means for supplying handle material to said handle forming means, handle feeding means for feeding handles from said handle forming means to adjacent said confection forming means, means for inserting a portion of each handle into a said handle receiving aperture, and means for driving said confection forming means and the handle inserting means in timed relationship.

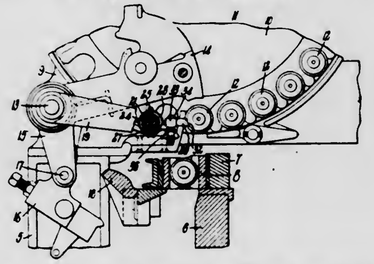
2,005,855
BRAKING APPARATUS
Burns Dick, Ferguson, and Steve Schnell, St. Louis, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 26, 1932, Serial No. 595,244
16 Claims. (Cl. 188—78)

1. In braking apparatus, the combination of a drum and a flexible brake band adapted to have its ends expanded into engagement with the drum, said band comprising a lining carrying portion and a reinforcing web, the web being divided into two parts at a point intermediate its ends and each of the adjacent ends of the web parts



being free of the lining carrying portion over a substantial arc thereof.

2,005,856
FRICTION DEVICE FOR FILLING CARRIERS
Sherwood O. Dodge, Medford, Mass., assignor to Guaranteed Parts, Inc., Allston, Mass., a corporation of Massachusetts
Application April 30, 1934, Serial No. 723,081
8 Claims. (Cl. 139—251)



1. A friction device for the filling carriers of a filling replenishing loom comprising, in combination, a support, a sleeve rotatably mounted thereon, a holder upon said sleeve, a friction member mounted upon said holder and adapted to engage the filling on a filling carrier next to be transferred from a hopper for a reserve supply of filling carriers to a shuttle located therebeneath, and means to clamp said friction member to said holder and the holder to said sleeve.

2,005,857
SPARK PLUG CONNECTION
Harry A. Douglas, Bronson, Mich.
Application October 14, 1932, Serial No. 637,718
8 Claims. (Cl. 173—328)

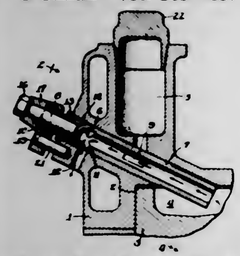
1. In a spark plug connection, the combination with a metallic shell providing a cap for the plug, said cap having a central recessed portion axially extended from said plug; of a central electrode carried by the plug and having one end received in said central portion in electrical communication therewith; a metallic socket member having a hollow base portion superposed telescopically on said central portion and permanently secured to the cap; an integral terminal receiving socket

in said socket member transverse to said electrode, the hollow interiors of said socket and base portion intersecting; a detent loosely housed by the base portion and projected into the termi-



nal receiving portion; and a coil spring housed in the base portion annularly of the central portion of the cap and pressing the detent toward the terminal receiving socket.

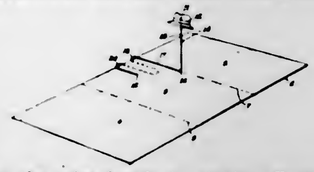
2,005,858
COMPRESSION CONTROL APPARATUS
Carl C. Hinkley, Chicago, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois
Application March 26, 1934, Serial No. 717,338
1 Claim. (Cl. 123—48)



In combination with a cylinder block providing a cylinder and an auxiliary chamber spaced apart therefrom, a straight passage leading from the exterior of the block past said chamber into the top of said cylinder, a valve insertable into said passage having a hollow interior, a port in the wall of said valve for establishing communication between the cylinder and chamber when the valve is rotated to one position, a duct from the atmosphere leading to the surface of said passage, and a second port from the hollow interior of said valve registerable with said duct when the valve is rotated to a second position, said ports being positioned so that only one of them may be made operative at one time and so that both may be rendered inoperative at a third position of the valve, and means for rotating said valve to any of said three positions.

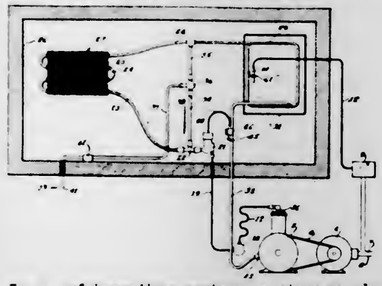
2,005,859
MAIL ADVERTISING DEVICE
Walter W. Hoke, Forest Hills, N. Y., assignor to Robert Stuart, Forest Hills, N. Y.
Continuation of application Serial No. 651,991, January 16, 1933. This application March 29, 1934, Serial No. 717,911
11 Claims. (Cl. 40—124.1)

1. The combination with a folder of sheet material, of a wire bent to form a base portion to extend in close relationship with said folder and an upright portion to extend away from said folder when unfolded, said base portion being of the character of a clip adapted to be slipped over an edge of said folder with a torsional portion thereof extending from said upright portion, and a display carried by said upright portion at a distance from said torsional portion, said torsional portion twisting under the influence of swinging movement applied to said upright portion and display with said torsional portion as axis to permit said upright portion and display to be positioned between folder folds without sub-



jecting the wire bends to strain affecting their character, said torsional portion untwisting thereby causing said upright portion and display to pivot back to their original upright position upon opening of said folds, that portion of the wire between said torsional portion and display flexing thereby causing said display to oscillate in mid-air.

2,005,860
COOLING SYSTEM
Victor C. Huntington, Blue Island, Ill., assignor to Wepsco Steel Products Co., Blue Island, Ill., a corporation of Illinois
Application October 20, 1933, Serial No. 694,389
13 Claims. (Cl. 62—116)

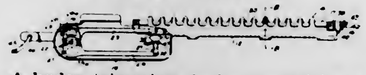


1. In a refrigerating system, a storage chamber, a heat-absorbing device in said chamber, a beverage cooler comprising a cooling coil, said cooler having a brine therein adapted to solidify about the cooling coil, means for supplying a refrigerant to said heat-absorbing means and thence to said cooling coil, means controlled by the temperature of the storage chamber to bypass the refrigerant directly to the cooling coil, and means responsive to a predetermined amount of solidification of the brine for stopping operation of the refrigerant supplying means.

2,005,861
MANUFACTURE OF HYDROCARBONS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 16, 1933, Serial No. 652,009
5 Claims. (Cl. 260—168)

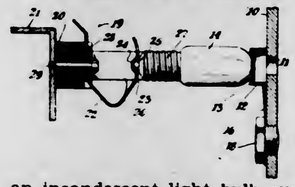
1. In the art of alkylation, the method which comprises reacting a hydrocarbon of the benzene series boiling within the gasoline range with a gaseous olefin in the presence of a phosphoric acid catalyst under conditions to produce a substantial quantity of alkylated derivatives within the gasoline boiling range, and recovering the gasoline boiling derivatives thus formed.

2,005,862
HEDGE TRIMMING DEVICE
Richard C. Johnsen, Hillside, N. J.
Application May 9, 1933, Serial No. 670,078
8 Claims. (Cl. 30—11)



1. A hedge trimming device comprising a casing, said casing having integral extended portions forming a channel and tooth formations, said tooth formations being spaced apart, a knife frame within said channel supporting a flexible knife between said tooth formations, and means including a motor and a pair of lever rods connected thereto, one of said rods being pivotally connected to said knife, the other of said rods being linked to said casing.

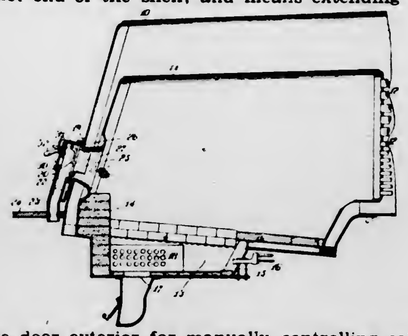
2,005,863
SIGNAL LIGHT SUPPORT
Henry Koch, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application August 11, 1932, Serial No. 628,290
2 Claims. (Cl. 177—329)



1. In an incandescent light bulb support the combination with a panel having a visual aperture therein, of bulb-tip supporting means mounted on said panel to support the tip of a signal light bulb in substantial alignment with the visual aperture and permitting light to pass from the bulb through the aperture, a pair of spaced apart spring arms adapted to grip the sides of the base of the bulb, a resilient central bulb contact engaging means disposed between said spring arms, common means for supporting said spring fingers and said central bulb contact engaging means in substantial alignment with the visual aperture including means to insulate said central bulb contact engaging means from said spring arms, a circuit terminal connected to one of said spring arms, and another circuit terminal connected to said central bulb contact engaging means.

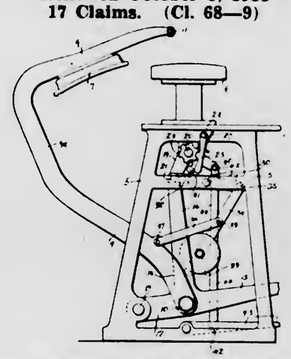
2,005,864
FIREBOX DOOR
Thomas E. Layden, Topeka, Kans.
Application June 5, 1933, Serial No. 674,368
2 Claims. (Cl. 110—175)

1. In a locomotive firebox, the combination of a hollow fire-door open at the rear to the fire-door opening of the firebox and terminating at the bottom in a downwardly disposed open portion whereby air is admitted into the chamber of the door; a fixedly secured conduit member arranged to register with the lower end of said door portion when the door is closed; an open ended shell member mounted at one end on the rear side of the door so as to extend into the door-opening of the fire-box, the discharge end of said member having a plurality of rearwardly diverging passages arranged side by side and spaced apart, while the other end of the shell member communicates with the air chamber in the door; a damper pivoted in the upper part of the chamber in the door and arranged to extend across the inlet end of the shell; and means extending to



the door exterior for manually controlling said damper whereby flow of air from the chamber in the door and through said passages may be regulated.

2,005,865
PRESS
James Camrod Ledbetter, Jackson Heights, Long Island, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application January 28, 1929, Serial No. 335,476
Renewed October 3, 1933
17 Claims. (Cl. 68—9)

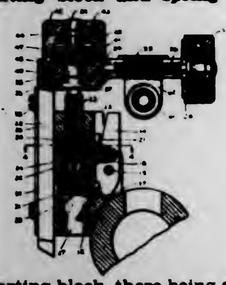


1. A press comprising a frame, a coacting head and buck, an upright having its upper end attached to the head, a bell crank having an arm projecting therefrom, a frame pivot on which the arm is mounted, the lower end of the upright being pivoted on the bell crank in spaced relation from the frame pivot, a link having its upper end pivoted on the frame and its lower end pivotally connected to the bell crank forming a toggle, and means to urge the upright and head upwardly and to counterbalance the same in the pivotal movement of the upright.

2,005,866
GUN SIGHT
Kenneth J. Lowe, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application October 12, 1932, Serial No. 637,443
6 Claims. (Cl. 33—56)

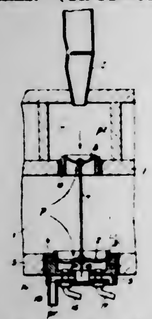
1. In a firearm sight, in combination, a supporting block adapted for permanent attachment to a firearm, a sight mounting block adapted to engage and move longitudinally upon said sup-

porting block, means for holding said mounting block against longitudinal movement on said supporting block comprising a lever pivoted in said mounting block and spring urged toward



said supporting block, there being a recess in said supporting block adapted to receive a part of said lever, and settable means adapted to lock said lever engaged in said recess.

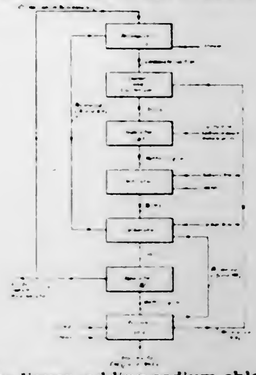
2,005,867
CONTROL SYSTEM AND TO THE CONTROL OF FLUID OPERATED MECHANISM
Max Maag, Schwamendingen, near Zurich, Switzerland
Application January 24, 1934, Serial No. 708,136
In Germany January 23, 1933
8 Claims. (Cl. 84—336)



1. Controlling system of the character described comprising a plurality of pneumatically operable instruments of different characteristics, floating valves individually associated with and arranged to open towards said instruments to control the operation of the same, a separate control chamber for each floating valve, and means responsive to the pneumatic pressure in each control chamber and connected with the associated floating valve whereby the amount of said pressure will determine the lift of and the throttling effect exerted by said floating valve, each control chamber being provided with an admission port and with a discharge port, the various ports being differentially proportioned and dimensioned in dependence of said characteristics.

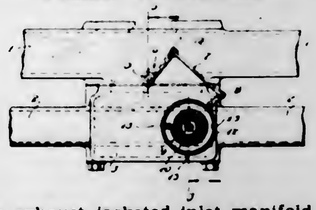
2,005,868
MANUFACTURE OF SODIUM CARBONATE MONOHYDRATE
Robert Burns MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application March 25, 1932, Serial No. 601,144
2 Claims. (Cl. 23—63)

1. In the manufacture of sodium carbonate monohydrate, the improvement which comprises decomposing an aqueous solution containing sodium bicarbonate with steam to form a solution containing sodium carbonate, precipitating sodium carbonate monohydrate from this solution by the addition of ammonia and separating the precipitated sodium carbonate monohydrate from



the mother liquor, adding sodium chloride to the mother liquor and carbonating the resulting brine to precipitate sodium bicarbonate, separating the precipitated sodium bicarbonate and supplying sodium bicarbonate so precipitated to the first-mentioned decomposition.

2,005,869
HOT SPOT MANIFOLD
Jacob Meinsinger, Detroit, Mich., assignor to George M. Holley and Earl Holley, of the Holley Carburetor Company, Detroit, Mich.
Application March 14, 1932, Serial No. 598,593
1 Claim. (Cl. 123—122)

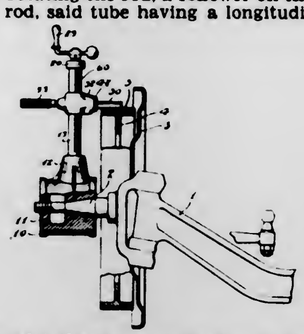


In an exhaust jacketed inlet manifold of the type described, an internal combustion engine associated therewith having an exhaust manifold, a cooling radiator and a cooling fan therefor, a valve means for controlling the flow of exhaust gases from the exhaust manifold through the exhaust jacket of the inlet manifold, thermostatic means mounted entirely upon the outside of said exhaust jacket remote from said valve and in the air stream from said cooling fan means interconnecting said thermostatic means and said valve means.

2,005,870
BRAKE GAUGING DEVICE
Alvin L. Miller and Russell H. Miller, Detroit, Mich.
Application June 20, 1932, Serial No. 618,114
5 Claims. (Cl. 33—180)

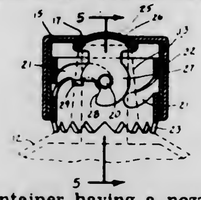
1. A brake gauging tool comprising a hub member adapted to be rotatably mounted upon a wheel spindle or axle shaft, a radially disposed tube fixed to the hub, an apertured washer at the inner end of the tube, a screw threaded rod on the axial center of the tube the inner end of which

is journaled in the washer, a collar journaling the rod at the outer end of the tube, an inverted cup shaped collar through which the rod extends and fitted over the outer end of the tube, means securing the collar to the tube and serving to hold the rod against axial movement in the tube, a handle for rotating the rod, a follower on the threads of the rod, said tube having a longitudinally ex-



tending slot therein, a projection on the follower extending through the slot, an apertured block fitting over the tube and having an aperture for receiving the projection of the follower, means in the block for receiving and holding a brake gauging element, and a handle screw threaded into the block and adapted to be abutted against the tube to hold the block against movement.

2,005,871
CLOSURE FOR CONTAINERS
Frank I. Remy, Syracuse, Ind.
Application February 17, 1934, Serial No. 711,716
9 Claims. (Cl. 221—60)



1. In a container having a nozzle protruding therefrom, a closure therefor comprising an apertured cap through which said nozzle is adapted to extend when said closure is in open position, a fixed collar secured about said nozzle provided with cam slots therein, bosses associated with said cap extending through said cam slots to permit rotation of said cap on said collar, a valve pivotally mounted on said bosses within said collar, and means for swinging said valve about its pivotal mounting to open and closed position relative to said nozzle upon rotation of the cap.

2,005,872
DETACHABLE CLASP
Louis Rocke, Brooklyn, N. Y.
Application April 28, 1933, Serial No. 668,396
15 Claims. (Cl. 24—205)

1. In a clasp for separable fasteners of the type wherein a plurality of metallic fastening means are permanently secured upon a pair of flexible stringers and a sliding cam is provided for locking or unlocking said fasteners, male and female members having abutting edges adapted to be crimped on the ends of said stringers, a pin extending downward from one end of the male member, a laterally positioned eye adapted to receive said pin extending from the female member, a prong projecting outward and extending downward from the male member forming a hook, and a socket closed at the front and open



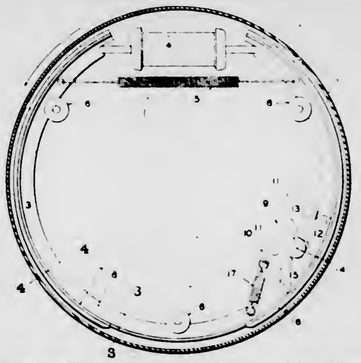
at the upper end protruding from said female member adapted to receive said prong, said parts adapted to disengage and interengage with longitudinal movement of one in relation to the other.

2,005,873
SMOKING PIPE
Stanley S. Schaffer, Chicago, Ill.
Application December 6, 1933, Serial No. 701,113
7 Claims. (Cl. 131—12)



1. A pipe having a stem and bowl and a passage therethrough connected with the bottom of the bowl, and a removable U-shaped tube having one open end communicating with said passage without blocking the same and the other end communicating with the passage by means of an opening facing toward the bowl, a part of the wall of said tube being positioned to seal said passage between said opening and the mouthpiece, said passage being wholly unobstructed between the bowl and its open end except by said wall.

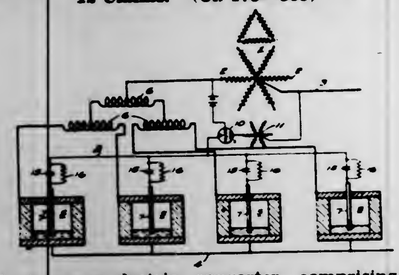
2,005,874
BRAKING APPARATUS
Steve Schnell, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 26, 1932, Serial No. 595,259
5 Claims. (Cl. 188—78)



1. In braking apparatus, the combination of a rotatable brake drum, a flexible brake band adapted to cooperate therewith, anchor means for the band intermediate the ends thereof, brake lining secured to the band, and means for ap-

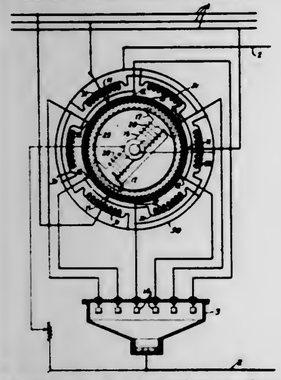
plying the band to the drum, said brake band being free of lining over that portion of the band forward of the anchor means where during brake application the pressure between the band and the drum would be the greatest if the lining were continuous.

2,005,875
IGNITION SYSTEM
Daniel Silverman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1934, Serial No. 711,192
12 Claims. (Cl. 175—363)



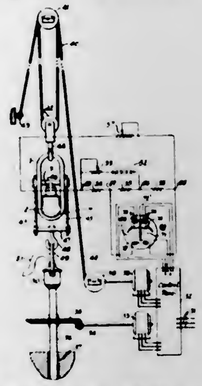
1. A vapor-electric converter comprising a source of polyphase currents, a load circuit, a plurality of parallel valves between each phase of the source and the load circuit, a make-alive electrode associated with each of said valves, said electrodes being connected in parallel, a source of excitation current substantially co-phasal with the polyphase source and means responsive to the polarity of the polyphase source for connecting said excitation source to said electrodes and capacitors in series with each of said electrodes for controlling current flow thereto.

2,005,876
ELECTRICAL CONVERSION SYSTEM
Joseph Slepian, Pittsburgh, and Leon R. Ludwig and Daniel Silverman, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1934, Serial No. 726,582
14 Claims. (Cl. 175—363)



1. In an electrical conversion system having a vapor electric converter for transferring energy between alternating and direct current circuits, a dynamo-electric device comprising a closed armature winding, a series of taps in said winding for connection to an alternating current circuit, a second series of taps in said winding for connection to the valves of the converter, said second series of taps being a multiple of said first series of taps, a star-connected winding connected to the direct current circuit, said star-connected winding being closely coupled with said closed winding, a squirrel cage winding coupled with said closed winding said squirrel cage winding rotating at substantially synchronous speed with the fundamental field set up in the closed winding.
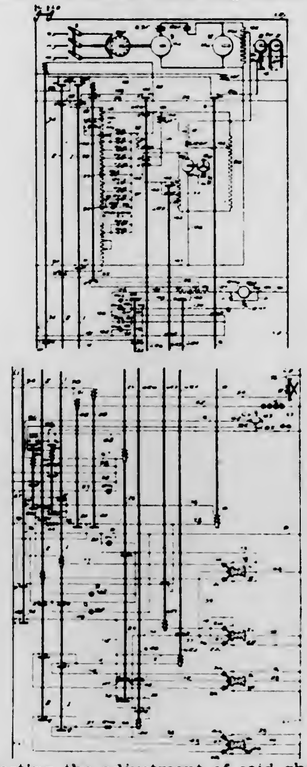
2,005,877
CONTROL MEANS FOR WELL DRILLING EQUIPMENTS
Morris Stone and René Baudry, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1933, Serial No. 700,314
9 Claims. (Cl. 255—19)



1. A rotary well-drilling system, comprising a drill stem, in combination with, a weighing device including a receptacle containing a liquid, a passage extending from the receptacle and into which the liquid may be extruded when the receptacle is deformed, means for subjecting the receptacle to the weight of the drill stem whereby the receptacle is deformed, and means responsive to the amount of liquid extruded from the receptacle to control the operation of the drill stem.

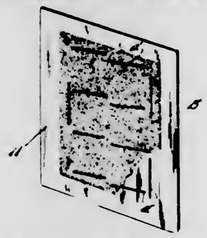
2,005,878
ELEVATOR CONTROL SYSTEM
Kenneth M. White, Mooresville, Ind., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1932, Serial No. 640,173
Renewed October 19, 1934
23 Claims. (Cl. 172—152)

13. In an elevator system, an elevator car movable in a hatchway, a motor for driving said car, a generator for supplying power to said motor, a field winding for said generator adapted to be variably energized to control the direction of movement and speed of said motor, means for controlling the energization of said field winding to cause said motor to drive the car in substantial conformity with a predetermined speed characteristic including a rheostat for controlling the current in said field winding and a regulating voltage means adapted to vary the current in the field winding in accordance with the difference between the actual speed of the motor and a predetermined speed as intended by the adjustment of the said rheostat, said variation of current being such as to effect a decrease in the difference between the actual speed of the motor and the predetermined speed desired, and means for effecting the operation of said regulating voltage means whereby it does not effect substantial divergence from said predetermined speed characteristic, said means including motive means



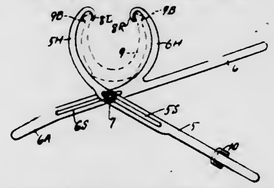
for effecting the adjustment of said rheostat in a succession of a large number of comparatively small incremental changes, and means operable in accordance with the position of the car in the hatchway for automatically controlling said motive means.

2,005,879
DISPLAY CARD AND METHOD OF SECURING ARTICLES THERETO
Raymond W. Albright, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
Application June 10, 1932, Serial No. 616,427
5 Claims. (Cl. 206—80)



1. An article comprising a sheet member with a plurality of articles mounted thereon by means of an element of strip material passing over the articles or parts thereof and through the sheet member, portions of said strip material being secured to the sheet member by an adherent elastic rubber film.

2,005,880
TIRE-SPREADER
William M. Anderson, Virginia, Minn.
Application February 1, 1934, Serial No. 709,322
6 Claims. (Cl. 152—27)



4. A tire spreader comprising a pair of pivotally connected lever members each comprising a main lever arm formed straight rearwardly of the pivot, one member formed with an upward rearwardly curved hook forward of the pivot and the other member formed with a corresponding upward and forwardly curved hook rearward of the pivot, said latter member formed further with a forwardly and downwardly directed contact arm in angular relation to its main lever part, each member provided with an elongated slot, said slots intersecting, a pivot bolt passed through said slots and slidable therein.

2,005,881
TRANSMISSION LINE CLAMP
Edwin E. Arnold and Charles Le G. Fortescue, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1933, Serial No. 672,662
3 Claims. (Cl. 248—63)



1. A supporting clamp for a transmission line cable comprising a resilient tie member for disposition longitudinally of the cable and in contact therewith for a substantial portion of its length, means for securing the ends of said tie member to the cable, and means engaging the central portion of said resilient tie member and free of the cable for securing the clamp to a support, said means and resilient tie member having cooperating portions to maintain them in operative relation.

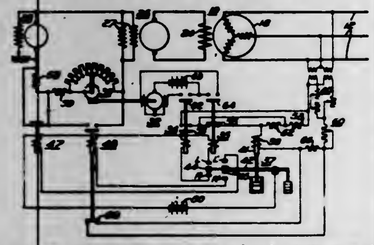
2,005,882
TRANSMISSION LINE SUSPENSION
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1933, Serial No. 678,247
8 Claims. (Cl. 248—63)



8. In combination with a body subject to vibration, a vibration damper comprising means set into vibration in response to the vibration of said

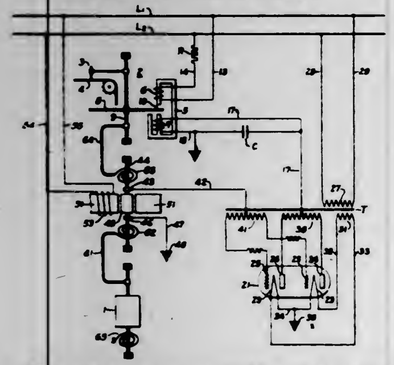
body, means for varying the period of vibration of said first means to change the period of vibration of said body and energy dissipating means between said first and second mentioned means.

2,005,883
REGULATING SYSTEM
John H. Ashbaugh, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1933, Serial No. 681,296
4 Claims. (Cl. 171—119)



1. In combination, a dynamo-electric machine, means for adjusting the excitation of said machine, regulator means responsive to the voltage of said machine for controlling said excitation adjusting means, means for raising the voltage setting of the regulator, and means actuated by said regulator for making effective said setting-raising means upon the occurrence and for the duration of a predeterminedly large drop in machine voltage.

2,005,884
ELECTRICAL MEASURING AND REGULATING SYSTEM
Henry L. Bernardie, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1933, Serial No. 682,263
5 Claims. (Cl. 172—239)



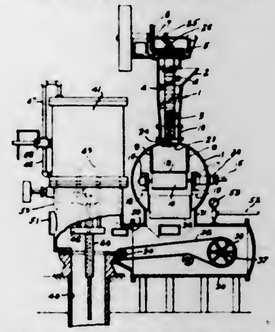
1. In apparatus for controlling the position of a movable device in accordance with the position of a movable primary element, a controlling member movable through a range of positions including a normal position, resilient means mechanically connecting said controlling member to said primary element and to said device for moving said controlling member in accordance with a difference of movements of said primary element and said device, means responsive to the deflection of said controlling member from said normal position for moving said device at a rate substantially proportional to said deflection and in a direction to reduce said deflection, whereby said device is brought to a position corresponding to that of said primary element without inertia overtravel.

2,005,885
ROLL
William E. Brindley, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 23, 1932, Serial No. 588,444
7 Claims. (Cl. 92—77)



1. A method of making a composite roll comprising constructing a cylindrical body portion, forming a plurality of cylindrical fibrous sections bound together by a hardened binder, heating the cylindrical body portion and the cylindrical fibrous sections, applying an adhesive material to the cylindrical body portion, pressing the cylindrical fibrous sections upon the cylindrical body portion, and drying the composite roll.

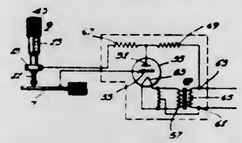
2,005,886
METHOD OF AND APPARATUS FOR MOLDING CLAY BODIES
Davis Brown, Los Angeles, Calif.
Application January 18, 1932, Serial No. 587,195
18 Claims. (Cl. 25—15)



1. In a machine for extruding clay bodies under pressure, the combination of a clay cylinder provided with a head at one end and a die at the other, a clay plunger reciprocatingly mounted in the cylinder, means for moving the clay plunger into and out of the clay cylinder and head, a lateral port in said head at a point substantially between the clay cylinder and plunger when said plunger is in raised position, a substantially air-tight housing in operative communication with said lateral port, means for introducing clay into the housing, means for moving clay in loose form through the housing toward said lateral port, and means for maintaining said housing, head and cylinder at a subatmospheric pressure.

2,005,887
GRID GLOW MICROMETER
Robert W. Carson, Rochelle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application June 5, 1931, Serial No. 542,416
10 Claims. (Cl. 177—311)

1. A micrometer comprising a contact element to be juxtaposed to the surface of an object to be measured, said contact element being of such structure that the electro-static capacity between said contact element and said surface is substantially negligible, means for indicating the position of said contact element, means for causing non-ohmic currents to flow between said contact



and said object when a plane through the outermost region of said contact element is at distance of the order of 10^{-8} centimeters from a plane through the outermost region of the object to be measured and indicator means responsive to said non-ohmic currents.

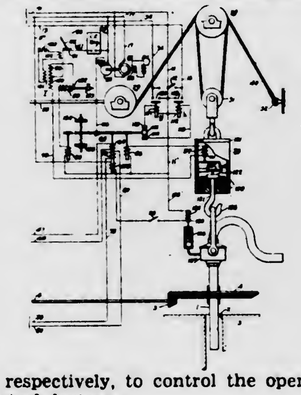
2,005,888
MACHINE FOR OPERATING UPON ARTICLES ASSEMBLED FROM ADHESIVE MATERIALS
Malcolm S. Cate, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application August 8, 1934, Serial No. 738,956
4 Claims. (Cl. 12—51)



1. Apparatus for operating upon articles assembled from adhesive materials, said apparatus comprising a support over which the article may be manipulated by the operator, a reciprocating carriage adjacent thereto, hammer means loosely retained by said carriage in position to be projected against the article as the article is moved upon the support, means for driving said carriage, and means controlled by presence of an article on the support for automatically regulating said driving means.

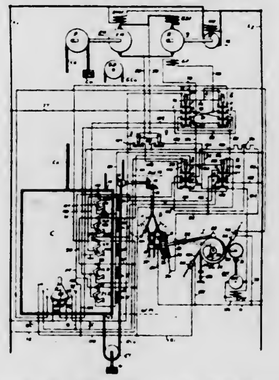
2,005,889
AUTOMATIC DRILLING SYSTEM FOR ROTARY DRILLING EQUIPMENT
Herbert G. Dillon, William C. Dreyer, and Harold C. Jenks, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1932, Serial No. 642,416
26 Claims. (Cl. 255—19)

1. In a rotary well-drilling system, in combination, a drill table, a drill stem, a drilling motor for rotating said table and stem, a hoisting device, a hoisting motor for operating the hoisting device, a mud pump, control devices for controlling the operation of the hoisting motor, load-responsive means operable in response to the load on the drilling motor, tension indicating means for indicating the tension in the drill stem, and means responsive to the load-responsive means, the pressure in the mud pump, and the tension indicating



means, respectively, to control the operation of said control devices.

2,005,890
MOTOR CONTROL SYSTEM
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 13, 1929, Serial No. 406,842
15 Claims. (Cl. 172—152)



1. In a control system for an elevator car, motive means for said car operable to cause said car to accelerate from zero speed to an intermediate speed, and from said intermediate speed to a higher speed, and to decelerate from said intermediate speed and said higher speed to zero speed, means for controlling said motive means, means operable from one position to another position in accordance with a predetermined rate at which said car should decelerate from said higher speed to zero speed, and operable between an intermediate position and said other position in accordance with a predetermined rate at which said car should decelerate from said intermediate speed to zero speed, means operable to return said operable means past said intermediate position to said first position after said deceleration period, means operable in accordance with the actual rate at which said car decelerates for cooperating with said first named operable means when said predetermined rate and said actual rate differ to cause said control means to vary said actual rate to decrease said difference, restraining

means operable when said control means are actuated to cause said car to accelerate to said intermediate speed to prevent said returning means from moving said first named operable means past said intermediate position, and means operable upon movement of said control means to accelerate said car to said higher speed to render said restraining means ineffective.

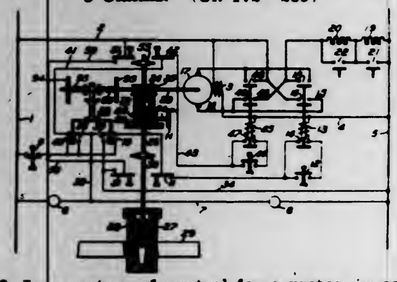
9. In a control system for an elevator car operable in a hatchway, a motor for moving said car, a source of power for said motor, and control mechanism to control said source to decelerate said motor and to cause the speed of said motor, during deceleration, to follow a predetermined succession of values with respect to the travel of said car in said hatchway, said control means comprising a regulator, means for differentially controlling said regulator in accordance with the actual speed of said motor and said predetermined succession of values, said regulator being effective, in the event the actual speed of said motor differs from said predetermined succession of values, to control said source to reduce said difference, and means comprising a control switch operable to render said control mechanism effective.

2,005,891

VALVE-OPERATED MECHANISM

Robert S. Elberty, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1933, Serial No. 691,158
8 Claims. (Cl. 172—239)



8. In a system of control for a motor, in combination, a motor, a source of energy for the motor, means for connecting the motor to the source of energy, a differential having a pair of sun gears and a planet gear, manually operable means, a spring biased member disposed to operatively connect the motor and one sun gear and connections between the manually operable means and the other sun gear, and selective control means comprising switching means operable by said spring biased member to control the operation of the motor and means responsive to certain operations of said planet gear to also control said motor.

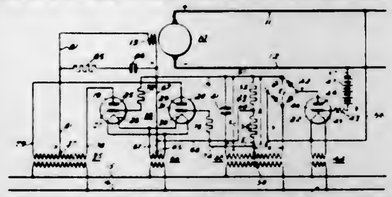
2,005,892

ALTERNATING-CURRENT REGULATOR

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application October 13, 1931, Serial No. 568,537
6 Claims. (Cl. 171—119)

6. In a voltage regulating system for an electrical generator having an excitation-control circuit energized from an alternating-current power source through electronic-tube current-rectifying means, the combination of means, including a phase-shifting bridge circuit for impressing a control potential upon said rectifying means, a full-wave rectifier connected in said circuit and



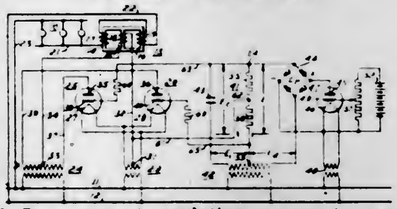
an electronic tube connected to said rectifier to adjust the phase-shift effected by the circuit, means for impressing a control voltage upon said tube, and means for varying said control voltage in accordance with the voltage of said generator.

2,005,893

CURRENT REGULATING SYSTEM

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 7, 1932, Serial No. 621,141
7 Claims. (Cl. 175—363)



1. In a current-regulating system, in combination, an alternating-current power source, current rectifying and control means energized from said power source and comprising a pair of electronic tubes having grid control elements, a phase-shifting bridge comprising a capacitor and a full-wave rectifier energized from said power source and disposed to impress an alternating-current control potential upon said grid elements, and means associated with said bridge circuit for varying the conductivity of the rectifier, thereby varying the phase positions of said control potentials with respect to the potential of said power source to control the effective current passed by the electronic tubes.

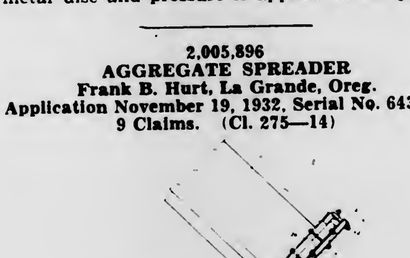
2,005,894

SHIP PROPULSION AUTOMATIC STABILITY CONTROL

Rudolph E. Hellmund, Swissvale, and Allan D. Forbes, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 30, 1934, Serial No. 718,264
19 Claims. (Cl. 172—8)

1. An electric power system such as is utilized in electric ship propulsion comprising a variable voltage and variable frequency dynamo electric machine and a propeller driving dynamo electric machine disposed to be connected to the first named machine, in combination with stability control means, said means including a pair of coils arranged to produce opposing effects, one of said coils being connected to be responsive substantially to the ratio of the voltage of the first-named machine to the product of a variable and the frequency of the first-named machine



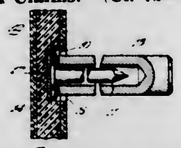
and the other of said coils being connected to be responsive to the torque of one of said machines.

2,005,895

FASTENING DEVICE

Paul M. Hengstenberg, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 11, 1933, Serial No. 670,481
4 Claims. (Cl. 72—19)



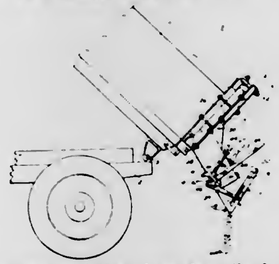
1. A means for securing a panel having a veneered surface to the wall of a building comprising a metal disc disposed at the bottom of a hole countersunk in the surface of the panel opposite the veneered surface, a nail or the like for securing the panel to the wall, a metal plate having an opening therein for receiving the shank of the nail, the corners of the plate being bent at an angle to one side of the plate and adapted to expand into the countersunk hole to engage the metal disc and pressure is applied to the plate.

2,005,896

AGGREGATE SPREADER

Frank B. Hurt, La Grande, Oreg.

Application November 19, 1932, Serial No. 643,432
9 Claims. (Cl. 275—14)



5. In a device of the class described, the combination of top and bottom plates spaced apart, end plates for the top and bottom plates, the top plate upwardly extending to form the back end gate of a truck body when attached thereto, a settable pouring end gate mounted upon the rear ends of the top and bottom plates, manually settable means for positioning the end gate, flow diaphragms settably positioned between the top and bottom plates and means for locking the flow diaphragms relative to the top and bottom plates.

2,005,897

ELECTRODE FOR A VAPOR ELECTRIC DEVICE AND METHOD OF CONSTRUCTING THE SAME

Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1933, Serial No. 691,153
6 Claims. (Cl. 250—27.5)



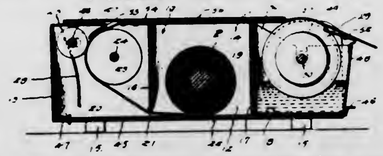
1. The method of securing an electrode head to a stem which comprises placing the head and stem in the desired position with respect to each other, winding adjacent portions of the head and stem with wire and spraying a layer of metal over that portion wrapped with the wire.

2,005,898

LABEL DISPENSING AND MOISTENING MACHINE

Arthur La Grange, Vinton, Iowa

Application October 24, 1933, Serial No. 695,043
6 Claims. (Cl. 91—51)



1. A label dispensing and moistening means, comprising a housing open along the bottom thereof, opposed flanges carried by the lower edges of the bottom, a bottom wall slidably engaging the flanges, means for releasably holding said wall against movement, a compartment in the housing for holding a strip of labels in roll form and opening through the bottom of the housing, means for exposing a predetermined length of the strip on the top of the housing, means for moving a predetermined length of the strip for exposure on the top of the housing, and means for moistening the strip after it has been exposed on the top of the housing.

2,005,899

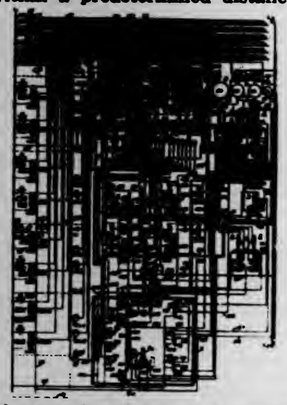
ELEVATOR CONTROL AND SIGNALING SYSTEM

Frank E. Lewis, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application August 26, 1929, Serial No. 388,310
Renewed August 15, 1934
18 Claims. (Cl. 187—29)

1. In an elevator signaling system for a plurality of cars operable past a floor, call-receiving means and circuits therefor individual to each car for receiving calls for service at said floor, electromagnetically operable means for each car, operable upon the application of voltage above a predetermined value, to render the call-receiving means for that car effective to receive calls for service, a circuit for said floor having a portion thereof common to all of said cars, and a plurality of branches thereof, one for each of said cars, each branch including the said electromag-

netic operating means for that car, means individual to each car and operable correspondingly to the position of that car for completing the branch of said circuit for that car when said car is within a predetermined distance of said



floor, and means in said common portion of said circuit operable upon the completion thereof through any branch for rendering the voltage available to the remainder of the said branches below the said predetermined value.

2,005,900

PRIMING SOLUTION FOR WALL PAPER AND LIKE PASTES

George Littig, Sacramento, Calif.

No Drawing. Application September 28, 1934, Serial No. 745,938

2 Claims. (Cl. 134—18)

1. A priming compound for the mixing with wall paper and like pastes consisting of an admixture of ingredients in the following proportion: 50 parts solution silicate of soda, 44 parts of water, and 6 parts of a 12½% copper sulphate solution.

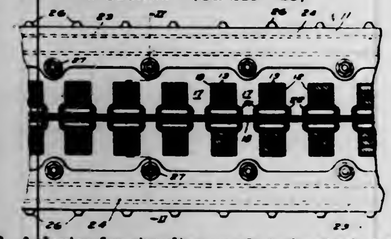
2,005,901

INDUCTION SHEET HEATER

Thomas H. Long, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 29, 1932, Serial No. 625,585

6 Claims. (Cl. 219—13)



6. A device for simultaneously inductively heating and moving a metal sheet including a slotted laminated core structure, a polyphase energizing coil in said slots, a cooling means for the coils located in the slots and constituted by tubular slot wedges and cooling means for the core located adjacent that face of the core opposite to the slotted face and including a fluid-traversed conduit and means holding the conduit against the core, the contact pressure between the conduit and the face of the core being in direct proportion to the pressure of a fluid in the conduit.

2,005,902

WELDING ELECTRODES

David L. Mathias, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 30, 1932, Serial No. 635,609

2 Claims. (Cl. 219—8)

2. The method of making a metallic welding electrode which consists in annealing the metallic core of the electrode, subjecting the core to a shot blasting operation whereby the exposed surface thereof is simultaneously cleaned and roughened, and subsequently applying a welding flux to the cleaned and roughened surface.

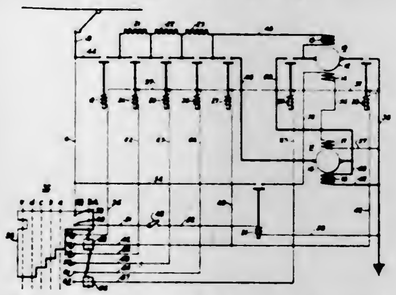
2,005,903

MOTOR CONTROL SYSTEM

Frederick W. McCleskey, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1933, Serial No. 682,226

6 Claims. (Cl. 172—179)



4. In a motor control system, in combination, a plurality of motors, a source of power for the motors, each motor having an armature winding, a series field winding and a shunt field winding, means for connecting the motors to the power source, means for increasing the voltage applied to the motors to accelerate the motors, means for energizing the shunt field windings during acceleration to increase the accelerating torque of the motors and for deenergizing the shunt field windings after full voltage is applied to the motors to increase the motor speed, means for establishing dynamic braking connections for the motors, and means for energizing the shunt field windings during dynamic braking to produce a quick braking effect.

2,005,904

MOP HEAD HOLDER

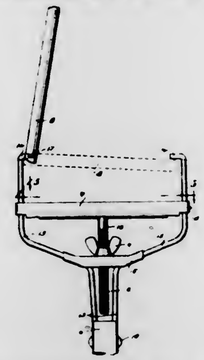
Roy A. Myers, St. Paul, Minn.

Application January 16, 1933, Serial No. 651,903

1 Claim. (Cl. 15—153)

In a mop head, a fork having a pair of prongs provided at their ends with inturned retaining lugs, a relatively fixed clamping bar normally held on the retaining lugs, and a movable clamping bar between the prongs and having on each end a pair of guide lugs, said guide lugs, outwardly of the prongs, being bent around said prongs, said movable clamping bar having adjacent each end between the respective lugs a pair of transversely spaced stop shoulders and also having between each pair of stop shoulders a notch-like passageway for the respective inturned lug, said

prongs being wider, transverse to the plane of the



fork, than the inturned lugs and the stop shoulders engaging the prongs.

2,005,905

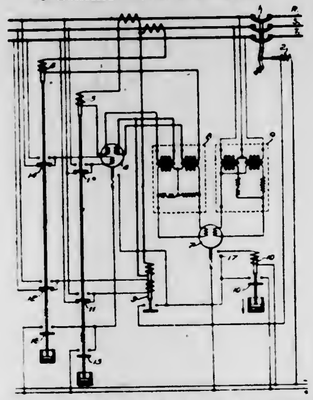
PROTECTIVE SCHEME FOR TRANSMISSION LINES

Hermann Neugebauer, Berlin-Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 19, 1932, Serial No. 638,585

In Germany October 20, 1931

8 Claims. (Cl. 175—294)



1. In protective apparatus for a polyphase sectionalized transmission circuit, a circuit breaker in said circuit, relay means operable in response to unsymmetrical faults in a predetermined section of said circuit, relay means operable only with time element greater than that of said first-mentioned relay means in response to symmetrical faults in said predetermined section, and means for causing said circuit breaker to open in response to operation of either of said relay means upon the occurrence of a fault in said predetermined section.

2,005,906

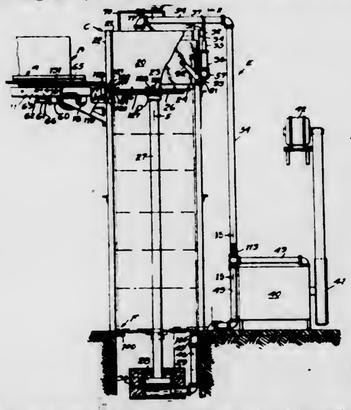
BOX STACKER

Harold C. Pierce, Anaheim, Calif., assignor, by direct and mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application February 7, 1933, Serial No. 655,607

21 Claims. (Cl. 214—6)

1. A stacking machine of the class described embodying: a trap adapted to receive and support one of the articles to be stacked; an elevator adapted to be raised and held in elevated position by a pressure fluid; a platform on said elevator below said trap; means for opening said trap to release an article supported therein; valve means for releasing said pressure fluid thereby permitting downward movement of said elevator;



means operable by an article received in said trap for opening said valve means; and means associated with said elevator for holding said valve means open after said first mentioned valve opening means is disengaged by said article and until said elevator reaches a predetermined position.

2,005,907

TROLLEY WIRE SUPPORT

William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 14, 1933, Serial No. 693,559

8 Claims. (Cl. 191—40)



1. A support for a trolley wire comprising, in combination, an ear for gripping the trolley wire, a support member movably mounted on said ear, and a plurality of resilient members interposed between said ear and said support member to maintain the ear in alinement with the trolley wire and to permit relative movement therebetween when a current collector traverses the ear and portions of the trolley wire adjacent thereto.

2,005,908

CURRENT COLLECTING EQUIPMENT

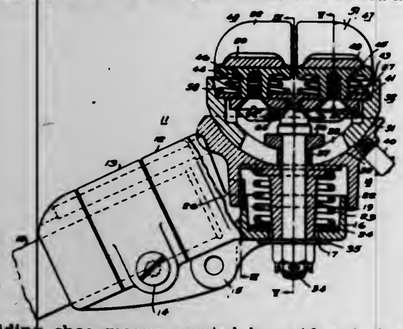
William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 8, 1934, Serial No. 738,990.

15 Claims. (Cl. 191—59.1)

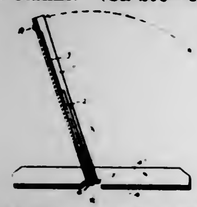
1. A current collector for electric vehicles comprising, in combination, a support member disposed to be carried by a trolley pole, a swivel cup provided with an upturned bearing surface and disposed to be carried by said support member, a swivel provided with a downturned bearing sur-

face and mounted in said swivel cup with said bearing surfaces in engagement, and articulated



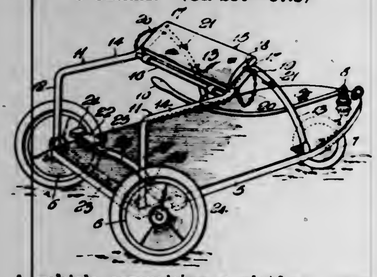
sliding shoe means carried by said swivel and disposed to engage a conductor for collecting current therefrom.

2,005,909
COMBINED CASE AND STAND FOR THERMOMETERS
Alfred B. Schupp, Richmond Hill, N. Y.
Application June 27, 1934, Serial No. 732,677
3 Claims. (Cl. 206—16.5)



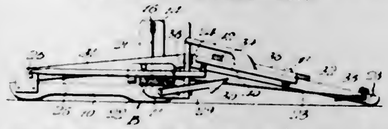
1. A foldable thermometer case comprising a flat base member having a pair of spaced parallel side flanges perpendicular thereto, an inwardly extending tongue on the base member between said flanges, a cover member having a pair of spaced parallel side flanges provided with transversely aligned longitudinal slots, a wire disposed transversely across the bottom of said base member beneath said tongue and having upturned ends provided with laterally bent termina's passed through the cover flange slots and anchored in the base member flanges whereby to provide slidable and pivotal connection between said members.

2,005,910
PUSH-POLE VEHICLE
Paul Andersen, Brooklyn, N. Y.
Application April 2, 1934, Serial No. 718,726
3 Claims. (Cl. 280—87.5)



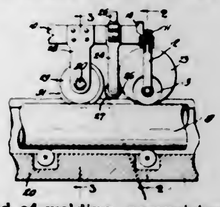
1. A vehicle comprising a platform upon the rear portion of which the user may stand, two longitudinally extending side rails secured to and projecting upwardly from said platform, a knee support extending between the upper portions of said side rails near the front ends thereof, means pivotally mounting said knee support on said side rails for swinging to an inclined position at which it may engage the user's knees when the latter are forwardly sprung, said pivotal mounting means also allowing swinging of said knee support to a horizontal position for use as a seat, means for holding said knee support in either of said positions, and supporting means for said platform.

2,005,911
BULL RAKE, LOADER AND LIFTER
Christian Christiansen, Fargo, N. Dak.
Application April 17, 1934, Serial No. 721,032
9 Claims. (Cl. 214—140)



1. In a combined bull rake and load lifter, a base, a lifting fork mounted thereon, two draught devices at opposite sides of said base respectively, means operatively connecting said draught devices with said base and fork for pulling said base along the ground when said connecting means is pulled forwardly by said two draught devices, and for lifting said fork when the same connecting means is pulled laterally by the same two draught devices, and means for preventing lifting of said fork when said draught devices are pulled forwardly.

2,005,912
WELDING APPARATUS
Estes C. Drake, Wheeling, W. Va.
Application April 27, 1931, Serial No. 533,223
16 Claims. (Cl. 219—10)

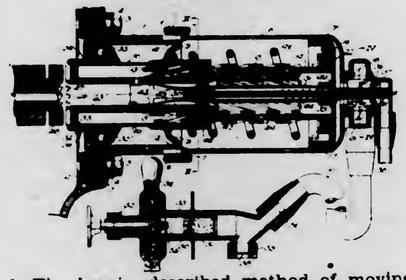


1 A method of welding, comprising: interposing a filler strip between the edge portions of the work to be welded, to furnish material for the weld; moving said work continuously relatively; progressively feed ng said strip between said portions, during such movement; and causing current to flow between said portions, in an amount to heat said portions to one temperature, and along said strip and between said strip and at least one of said portions, in an amount to heat said strip to a substantially different temperature.

7. A welding system, using a filler strip to be interposed between the edge portions of the work to be welded, and to furnish material for the weld, comprising: means for continuously moving said work relatively; means for progressively feeding said strip, between said portions, during the operation; and means connected to said portions and to said strip, connected to said strip

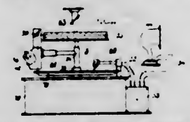
at a point spaced from the welding point, to cause current to flow between said portions, and to cause current to flow along said strip and between said strip and at least one of said portions, in such respective amounts that said strip is heated to a temperature substantially different from that to which said portions are heated.

2,005,913
MOTOR AND MOTIVE SYSTEM
Roscoe A. Coffman, Pittsburgh, Pa.
Application May 11, 1931, Serial No. 536,389
In Canada August 1, 1930
12 Claims. (Cl. 60—44)



1. The herein described method of moving a part to be moved wherein the ignition of a part of the fuel is initiated at a point remote to said part to generate sufficient gas pressure to propel a major portion of the fuel together with ignited particles of fuel through a system to a burning chamber closely adjacent to said part where combustion of said major portion of the fuel is completed.

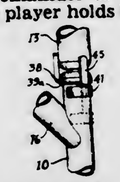
2,005,914
APPARATUS FOR MAKING AND REPRODUCING SOUND AND PICTURE RECORDS
Berthold Freund, Berlin-Schoneberg, Germany
Application December 8, 1931, Serial No. 579,754
In Germany December 11, 1930
13 Claims. (Cl. 88—16.2)



1. In an apparatus of the class described, a record bearer for a sound record of a plurality of continuous turns and a picture record of a plurality of continuous turns of lesser number than the sound record, sound sensitive transmitting means and the picture sensitive transmitting means cooperating with the record bearer to transmit respectively the sound and picture records, and means for imparting a relative movement between the sound record and the sound sensitive means and between the picture record and the picture sensitive means wherein the relative movements are different in accordance with the difference in length of the sound and picture records.

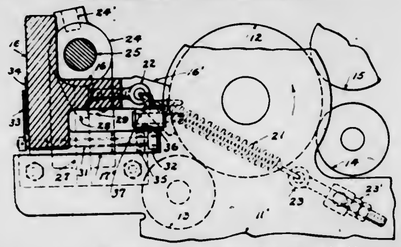
2,005,915
GOLF CLUB
Charles H. Grelle, Mount Carmel, Conn.
Application June 12, 1934, Serial No. 730,194
16 Claims. (Cl. 273—81)

1. In a practice golf club, a shaft having a head and a handle, said handle having a displaceable section therein adapted to be grasped by the lower hand of the player and to be displaced from alinement with the remainder of the handle and the shaft in case the player holds back too much with



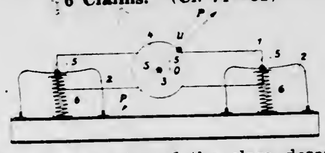
his lower hand in the stroke of a practice swing, and means on said shaft for selectively preventing the displacement of said section by the impact of the club with a ball.

2,005,916
INKING MECHANISM FOR PRINTING MACHINES
Frederick Lamatsch, Grantwood, N. J., assignor to Irving Trust Company, permanent trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 12, 1933, Serial No. 651,295
15 Claims. (Cl. 101—366)



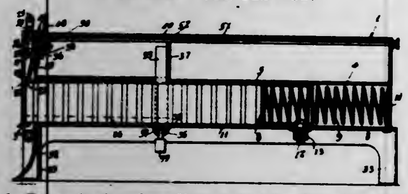
1. In an inking mechanism for a printing machine, an ink cylinder, an ink distributing bar, means for urging the bar towards the cylinder, and stops carried by the bar and adjustable to regulate the amount of clearance between the bar and the cylinder, and means for indicating the degree of adjustment.

2,005,917
MEANS FOR THE PRODUCTION OF CIRCULAR OR ELLIPTICAL OSCILLATIONS
Gerhard Linke, Magdeburg, Germany, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application December 14, 1932, Serial No. 647,291
In Germany December 19, 1932
6 Claims. (Cl. 74—61)



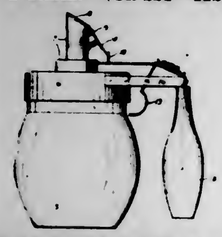
1. In an apparatus of the class described, a mass; means for imparting to said mass oscillations in a closed path; resilient means for supporting said mass having a substantially constant reactance to movement of said mass in all directions in a plane containing the closed path, in addition to a supplementary vertical reactance for neutralizing the gravitational force exerted by said mass; said supplementary vertical reactance being exerted by resilient means whose movement under initial stress is a multiple of its movement caused by oscillation of said mass.

2,005,918
DISPENSING MACHINE
Alvin Levingood, Los Angeles, Calif.
Application November 2, 1932, Serial No. 640,772
2 Claims. (Cl. 312—68)



1. In a device for dispensing books of matches that are thicker at one end than at the other, a container defining an elongated feed chamber for receiving a number of books of matches arranged on edge, an exit communicating with said chamber at the forward end thereof to permit books of matches to pass laterally from said chamber singly, an ejector at the front end of said container for reciprocal movement laterally of said chamber to press the foremost book of matches through said exit, said ejector comprising a plunger, one end thereof having a width not to exceed the smallest dimension of a book of matches and the opposed end having a width equal to the thicker portion of said book.

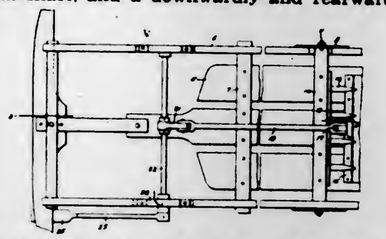
2,005,919
SUGAR BOWL
Louis J. Militello, Wood River, Ill.
Application September 22, 1934, Serial No. 745,009
1 Claim. (Cl. 221—112)



A sugar bowl provided with a cover, a spout attached to and projecting upwardly from said cover, two valves on the spout, one of said valves being caused to simultaneously open while the other valve closes and vice versa, a handle attached to the sugar bowl and means on the handle for conveniently operating said valves with one hand.

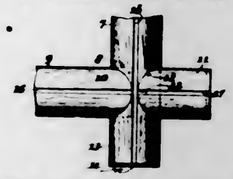
2,005,920
SLED BRAKE
Frank Toriello and Angelo Toriello, Hackensack, and Adolph G. Schroeder, Teaneck, N. J.
Application June 1, 1934, Serial No. 728,590
1 Claim. (Cl. 188—8)

In a sled including a top structure, runners and brackets connecting the runners with the top structure, a transversely extending bar having its ends pivotally supported by a pair of the brackets, a plate connected with the intermediate part of the bar, a plurality of teeth carried by the plate and extending rearwardly therefrom, a spring connecting the plate with a part of the top structure for normally holding the parts in a position with the teeth extending upwardly and rearwardly, a crank extending from the bar, a crank shaft extending transversely under the forward part of the sled, a link connecting the crank of said shaft with the first mentioned crank, a handle connected with the crank shaft, and a downwardly and rearwardly



sloping guard connected to an under part of the top structure and against which the rear ends of the teeth bear when the parts are in inoperative position.

2,005,921
BUILDING CONSTRUCTION
Emil A. Reither, Aitkin, Minn.
Application May 28, 1934, Serial No. 728,016
6 Claims. (Cl. 20—2)



1. A building construction comprising at least two layers of logs, one superimposed on the other in the form of an enclosure, confronting pairs of logs in each layer having mortises to receive the tenon ends of the remaining logs of the respective layer thereby to make corner joints, the logs of one layer having grooves communicating and crossing at the corners, the logs of the other layer having tongues interengaging with the grooves and forming keys especially at the corner joints.

2,005,922
RESISTANCE ELEMENT AND METHOD OF MAKING SAME
Erwin R. Stoekle, Milwaukee, Wis., assignor to Central Radio Laboratories, Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1929, Serial No. 407,840
Renewed August 18, 1933
12 Claims. (Cl. 201—76)

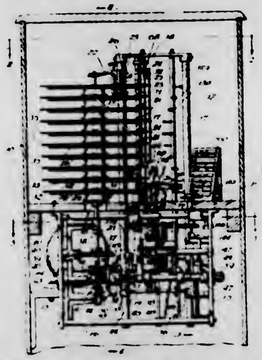


7. The method of making an electrical resistance element which consists in spraying molten metal on the element, the ends of the element being exposed longer to the spray than the intermediate portion of the element so as to provide metallic coatings over the ends of the element and isolated areas of metal elsewhere on the surface of the element to afford a variable resistance therefor.

8. An electrical resistance element comprising a body composed of a high resistance material

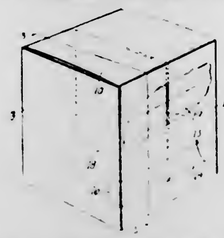
and having a contact surface, and relatively small particles of metal of good electrical conductivity adhering to and wholly supported by the body at said surface, said particles being confined to said surface and distributed thereover in isolated relation.

2,005,923
SELECTIVE AUTOMATIC PHONOGRAPH
Russell I. Wilcox, Chicago, Ill., assignor of one-half to Justus P. Seeburg, Chicago, Ill.
Application July 3, 1933, Serial No. 678,753
13 Claims. (Cl. 274—10)



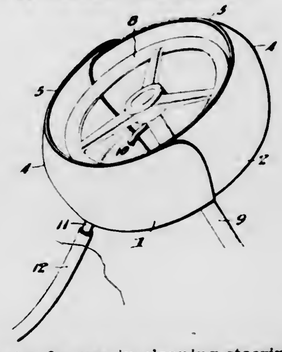
3. A selective automatic phonograph comprising means for supporting in superposed spaced relationship a plurality of phonograph records, means for rotating said records, a player arm adapted selectively to cooperate with said records, mechanical means adapted to raise and lower said arm past a plurality of records, selector means adapted to limit the raising of said arm to effect the playing of a certain record, and manually operated means for actuating said selector means to effect the playing of a desired record, said mechanical means being resilient to permit arrest of said arm in cooperative relation with any of said records.

2,005,924
DISPENSING CARTON
Dorian M. Wilson, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application December 15, 1932, Serial No. 647,372
1 Claim. (Cl. 229—17)



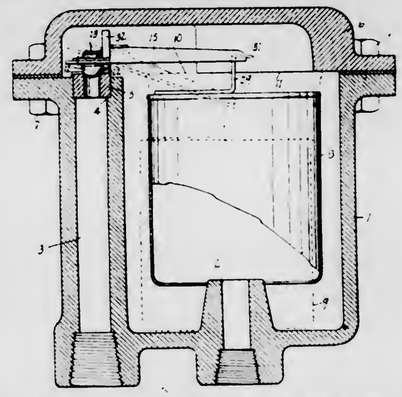
A dispensing carton comprising front, rear and end side walls, the front wall having parallel slits extending horizontally across the same, the ends of the slits being connected by a segmental series of perforations in the end walls providing breakout portions facilitating the removal of the portion of the front wall between the slits to provide a horizontal discharge opening.

2,005,925
DEVICE FOR USE IN CLEANING STEERING WHEELS
Alvin Dean Zook, Pueblo, Colo.
Application May 31, 1934, Serial No. 728,416
10 Claims. (Cl. 15—257)



1. A device for use in cleaning steering wheels comprising, a casing portion large enough to surround the rim of the wheel and be spaced therefrom to permit access thereto for washing purposes, and means to hold said casing portion in place.

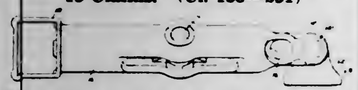
2,005,926
STEAM TRAP
Adam E. Armstrong, Three Rivers, Mich.
Application June 15, 1933, Serial No. 675,928
15 Claims. (Cl. 137—103)



1. The combination with a float chamber provided with an inlet at the bottom and a discharge at the top having an annular upwardly facing valve seat, of an inverted bucket-type float having a central upwardly projecting arm thereon provided with a lateral projection at its upper end, a valve lever having an opening at its outer end through which said arm is disposed for vertical movement, the laterally projecting portion of the arm constituting a stop coacting with the lever, a fulcrum member for said lever having a plurality of fulcrums with which the lever successively coacts on the opening movement of the lever, said fulcrum member having upwardly projecting arms between which the lever is disposed, the lever having laterally projecting stops coacting with said arms when the lever is in valve closing position, and a spherically curved

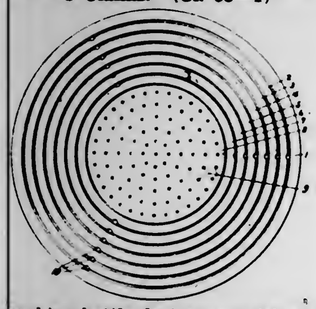
valve carried by said lever and arranged thereon to coact with said valve seat and positioned close to the inner fulcrum.

2,005,927
BRAKE BEAM FULCRUM
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 17, 1933, Serial No. 661,220
13 Claims. (Cl. 188—231)



1. In combination, a brake beam fulcrum having an aperture forming a pivotal seat for a third point support, a third point support secured to said seat, said fulcrum having an aperture therein adjacent said first-mentioned aperture forming a substantially enclosed rod seat, a portion of the wall of said rod seat being omitted to provide clearance for pivotal movement of said third point support.

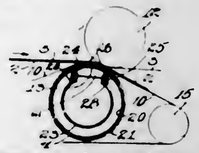
2,005,928
COOKING KETTLE DEVICE
Peter Beghetti, San Francisco, Calif.
Application July 3, 1933, Serial No. 678,911
3 Claims. (Cl. 53—1)



1. A cooking kettle device comprising a central raised false bottom, and surrounding said false bottom a series of rings of large diameter round wire arranged to lie substantially flat against the inner bottom of the kettle, said rings arranged with a slight space between each of less width than the thickness of the wire.

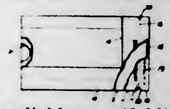
2,005,929
PAPER MAKING APPARATUS AND PROCESS
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application August 18, 1932, Serial No. 629,265
4 Claims. (Cl. 92—38)

1. In combination with a paper making machine of the Fourdrinier type including the usual forming wire and partially formed paper web thereon trained around the couch roll, a suction roll contacting the web on the lower run of the wire, a pickup felt for receiving the web from the forming wire as it passes over the suction roll, means for directing said pickup felt over the suction area of the suction roll so that said felt is subjected to suction before contacting the web, an upper roll, located within the loop of the forming wire cooperating with the suction roll to aid in the transferring of the web to the pickup felt, means for directing said web and pickup felt to the drying section of the paper machine, a drying cylinder, and a suction roll cooperating therewith for transferring the web from the felt to said drying cylinder.



2. In the process of transferring a paper web from the forming wire of a paper machine to a pickup felt, the step of first subjecting the pickup felt to suction to dry the felt and then bringing said felt into contact with the paper web without interrupting the suction.

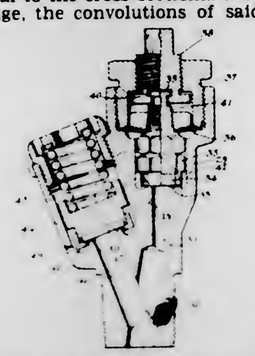
2,005,930
MANIFOLDING RECORD
Archie M. Bevier, Elmira, N. Y.
Application June 1, 1932, Serial No. 614,689
Renewed November 28, 1934
6 Claims. (Cl. 282—22)



1. A unitary pliable manifolding assembly including, in combination, a plurality of record leaves and at least one transfer leaf arranged in superposed transfer relation with each other, two of said record leaves including a single sheet folded along a transverse line positioned at the top or forward end of the assembly, and forming an outer envelope within which the transfer leaf is enclosed, said transfer leaf having attachment at a marginal part thereof with said sheet toward the top end of the assembly, the attached margin of said transfer leaf being positioned within the fold of said single sheet and adjacent the fold line of the latter, said record leaves having transverse weakened severance lines spaced inwardly a short distance from said fold line and positioned inwardly beyond said attachment of the transfer leaf and providing between the severance and fold lines a binding stub to which the top end of the transfer leaf is attached, said transfer leaf being unweakened corresponding to the severance lines of the record leaves to facilitate selective severance of the leaves from the stub.

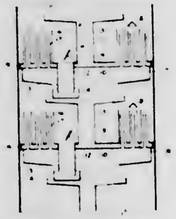
2,005,931
SAFETY VALVE
William C. Buttner, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1933, Serial No. 679,542
2 Claims. (Cl. 277—55)

1. In a safety valve of the class described, a body having a chamber therein, a valve seat at one end of said chamber, said body having an inlet passage opening through said valve seat and adapted to communicate with a fluid container, a polygonal valve member in said chamber and engageable with said valve seat, the apices at the junctures at the sides of said valve member engaging the wall of the chamber in line contact to guide the valve member in movement thereof toward and away from the valve seat, a cap having a depending hollow boss screwed into the outer end of said chamber to be tightly retained in position, and a spring extending into said hollow boss and urging said valve member into engagement with said valve seat and adapted to yield when a predetermined pressure is impressed on the valve member to permit disengagement of the valve member from the valve seat and escape of fluid from the container, the sides of said valve member being spaced from the wall of said chamber sufficiently to afford a passage through said chamber about said valve member of a cross-sectional area at least equal to the cross-sectional area of said inlet passage, the convolutions of said spring be-



ing adapted to engage one another to limit the movement of said valve member away from said valve seat, the inner end of the boss on said cap being beveled so that when the convolutions of said spring engage one another the passage between said boss and said valve member will be at least equal to the cross-sectional area of said inlet passage, said cap having a plurality of openings therein of an aggregate size at least equal to the cross-sectional area of said inlet passage and having another opening therein communicating with the interior of said spring to vent the interior of said spring to the atmosphere when the convolutions of the spring engage one another.

2,005,932
FRACTIONATING PROCESS AND APPARATUS
Samuel C. Carney, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 25, 1931, Serial No. 539,718
15 Claims. (Cl. 202—40)



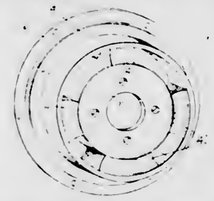
12. In a process of rectification of liquids wherein continuous streams of vapor and condensate are passing through a series of zones of gradually changing temperature the steps comprising: directing the stream of condensate in a zone into a confined space and out of contact with vapor in the same zone, continuously advancing the condensate upwardly into indirect heat exchange relationship with vapor passing upwardly through the zone, then bringing the heated condensate into direct contact with the vapor and passing the condensate to the next zone below.

2,005,933
CONTAINER FOR TOILET AND THE LIKE PREPARATIONS
Elsie May Carter, Ilford, England, assignor to Yardley & Company Limited, London, England, a British company
Application July 19, 1934, Serial No. 735,926
In Great Britain May 10, 1933
9 Claims. (Cl. 215—43)



1. In a container for toilet preparations which have a deleterious effect on metal, a closure cap comprising an inner lining consisting of a substantially rigid, non-metallic substance adapted to resist the chemical action of the contents of a container, and an external metallic sheath covering said lining, said sheath having a roughened inner surface adapted to ensure adherence of the material of said lining.

2,005,934
ELASTIC CUSHION MOUNTING
Andrew G. Carter, Grand Rapids, Mich.
Application December 29, 1932, Serial No. 649,290
4 Claims. (Cl. 248—7)

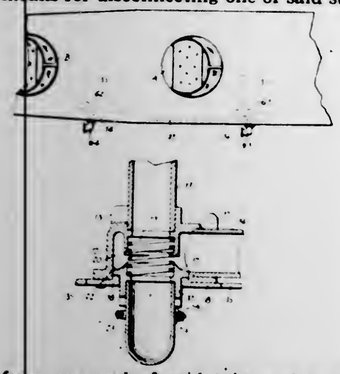


4. In an elastic cushion mounting for a motor, the combination of an outer rigid member, an inner rigid member embraced by said outer member in spaced relation thereto, a resilient rubber cushion disposed between said rigid members and bonded thereto to connect and unite the same and support and hold a motor and insulate from vibrations of such a motor, said cushion being so proportioned that its side and top portions are of smaller size than the bottom portion but are of sufficient size to resist motion while being small enough to transmit the minimum vibration whereby the motor is supported with sufficient rigidity and with a minimum of transmission of vibration through the mounting.

2,005,935
MEANS FOR INTERCOMMUNICATION
Charles H. Colvin, New York, N. Y.
Application April 27, 1933, Serial No. 668,182
12 Claims. (Cl. 243—19)

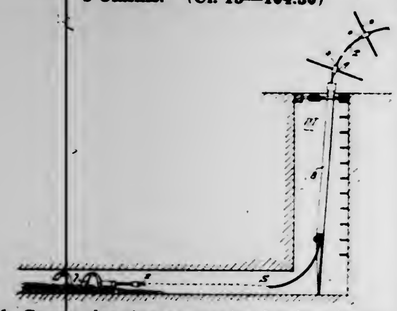
1. In combination, a conveyance tube, a suction tube for each end of said tube, a carrier, and

valve means for disconnecting one of said suction



tubes from one end of said tube and to admit said carrier to such end of said conveyance tube.

2,005,936
FLEXIBLE-ROD, SEWER CLEANING APPARATUS
Hubert R. Crane, Los Angeles, Calif.
Application March 26, 1934, Serial No. 717,387
3 Claims. (Cl. 15—104.30)



1. Sewer cleaning apparatus having, in combination, a series of aligned flexible rods, a plurality of couplers connecting the rods for two way rotation of the series of rods, and a plurality of readily detachable wrenches locked to spaced ones of the couplers to apply torque to the series of rods in either direction, at least one of the said wrenches being intermediate the ends of the series of rods.

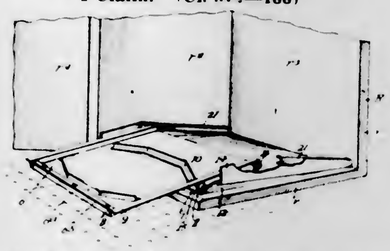
2,005,937
DETACHABLE GATE
Forrest W. Dennison, Beloit, Wis., assignor to Taylor Freeser Corporation, Beloit, Wis., a corporation of Delaware
Application May 11, 1933, Serial No. 670,434
3 Claims. (Cl. 251—19)

3. In combination with a spout having a port, a pair of resiliently mounted studs on said spout positioned at opposite sides of the port and provided with enlarged heads, and a gate having a handle and a pair of spaced apart slots opening to the lateral edges of said gate, one slot being engageable under one stud head to pivotally connect the gate to the spout and the other slot being arranged on an arc of a circle concentric with said pivot for slidably passing under the head of the second stud only as the gate approaches and reaches port closing position, the gate being removable from the spout without preliminary detachment of any other parts merely by rotating it to open position and disengaging the first slot



from the pivot stud, said gate being retained on said spout when in open position solely by the pivot stud.

2,005,938
RACK
Harry D. Graves, Chicago, Ill.
Application May 1, 1933, Serial No. 668,673
1 Claim. (Cl. 312—188)



In a rack of the character described, the combination of a rectangular supporting structure provided with a pair of laterally spaced rollers at the front end thereof, a rectangular platform provided with container-retaining means on the top face thereof and having out-turned flanges along its side margins resting upon the rollers and coacting therewith to support the platform so that it is shiftable bodily back and forth between a normal position over the structure and a position in front of the structure wherein it is accessible for lifting the container on or off it, and means for supporting the rear end of the platform and automatically tilting the platform downwardly when it is shifted into position in front of the structure so as to facilitate lifting the container on or off the platform, comprising a pair of laterally spaced, oppositely facing, inclined channel bars on the supporting structure, and a pair of rollers mounted on the rear corners of the platform and fitting in and coacting with the channel bars, said bars being so arranged and angled on the supporting structure that the rollers on the rear corners of the platform are located in the rear ends thereof when the platform is in its normal position and the platform is supported with the rear end thereof slightly lower than its front end.

2,005,939
REFRIGERATOR RACK
Charles L. Hibbard, Jr., Brookline, Mass., assignor to Old Colony Distributing Company, Inc., Boston, Mass., a corporation of Massachusetts
Application May 13, 1933, Serial No. 670,853
3 Claims. (Cl. 211—74)

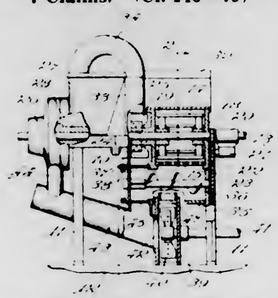
1. A rack adapted to be suspended from a refrigerator shelf and comprising a support having crossed wires secured together, some of said wires cooperating with others extending transversely to them to form a plurality of separate pockets each adapted to receive and hold a bottle in a reclining position, said pockets lying side by side parallel to each other and having a dividing means between them to hold adjacent bottles

separated from each other, and arms extending upwardly from said support and provided with



hook portions at their upper ends for engaging said shelf and suspending the rack therefrom.

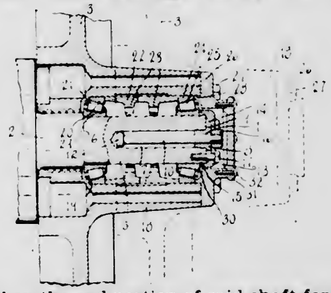
2,005,940
ROUGHAGE MILL
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application August 5, 1932, Serial No. 627,555
7 Claims. (Cl. 146—79)



3. In a machine of the class described comprising a frame, a cutting mechanism mounted on said frame, a grinding mechanism mounted on said frame, a shaft common to said grinding mechanism and said cutting mechanism, a conveyor trough mounted below said cutting mechanism, a conveyor screw mounted in said trough for conveying the material laterally with respect to said cutting mechanism, an elevating fan mounted on said shaft for elevating the material from said trough to said grinding mechanism, a valve for controlling the communication between said trough and said elevating means, a mixing fan mechanism located directly below said trough, an inclined conduit extending from one side of said mixing fan mechanism and communicating with said grinding mechanism and with one end of said trough, and a valve for controlling communication between said trough and said inclined conduit whereby the material may be diverted from said mixing fan mechanism into said grinding mechanism.

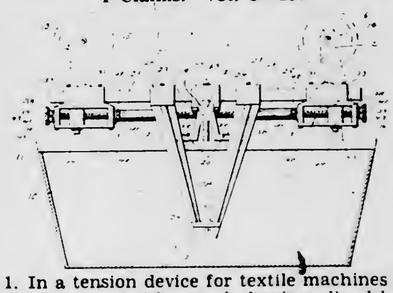
2,005,941
FLYWHEEL MOUNTING
Gustaf O. Johnson, Elkhart, Ind., assignor to Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Application December 5, 1934, Serial No. 756,115
20 Claims. (Cl. 308—211)

1. The combination of a shaft having an end portion provided with an annular shoulder at its inner end and an axial bore, a nut threaded in the outer end of said bore and having an axial hole, a pin extending through said hole and having a stop adapted to coact with said nut to limit the outward movement of the pin, an end cap threaded to the outer end of said pin and having an inturned rim flange fitting over the outer edge of said shaft, cap screws connecting said end cap to the outer end of said shaft, a flywheel having a hub provided with an internal annular flange spaced from its outer end, an inner roller bearing having an outer ring abutting said hub flange, a sleeve telescoped within said hub with its inner end abutting said ring and having spaced internal annular temporary supports normally spaced from said shaft, an outer roller bearing having an outer ring abutting the outer end of said sleeve, an annular end member bolted to the outer end of said hub and having an inwardly extending annular flange abutting the outer ring of said outer roller bearing and acting to clamp said sleeve between said outer rings, said inner and outer roller bearings having inner rings



sleeved on the end portion of said shaft for longitudinal movement, the inner ring of the inner roller bearing abutting said annular shoulder and the inner ring of the outer roller bearing abutting the inturned rim flange of said end cap, and a closure removably mounted on the said annular end member, said cap screws being made accessible for releasing said end cap from said shaft by the opening of said closure, the release of said end cap permitting the flywheel to be moved longitudinally of the shaft, such movement being limited by the engagement of the stop of said pin with said nut to prevent the accidental complete withdrawal of the flywheel from the shaft, said internal annular supports coacting with the shaft to support the flywheel when the latter is partially withdrawn to such an extent that the inner ring of the outer roller bearing is clear of the outer end of the shaft.

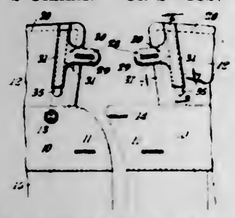
2,005,942
TENSION DEVICE FOR TEXTILE MACHINES
St. Clair Lake, Poughkeepsie, N. Y.
Application January 26, 1934, Serial No. 708,379
4 Claims. (Cl. 8—19)



1. In a tension device for textile machines and in combination with a tank, having alined bearings mounted thereon, of a frame mounted there-

in and capable of being rocked, a depending portion attached to said frame within said tank, a transverse roller carried thereby and having free rotary movement, bearing members mounted on the outer ends of said frame and formed with bearings, transverse shafts mounted therein carrying guide rollers, bearing blocks adjustably mounted in said members and means for adjusting the same, transverse tension bars mounted in said bearing blocks adjacent said guide rollers and means for bowing or curving said tension bars with relation to said guide rollers.

2,005,943
COLLAR
Edward Lind and David Feigenbaum, New York, N. Y.
Application January 30, 1933, Serial No. 654,212
2 Claims. (Cl. 2—132)



1. A collar comprising a neckband and a turned-down portion, and a combined buttonhole tab and pocket-forming element attached to the said turned-down portion adjacent the meeting edges thereof, said combined tab and pocket-forming element comprising a substantially cross-shaped single blank folded upon itself to produce a T-shaped member the head of which becomes the pocket and the leg of which becomes the buttonhole tab.

2,005,944
STABILIZED FORM OF PHOSPHORUS PENTOXIDE
Boris Malishev, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 14, 1932, Serial No. 598,887
5 Claims. (Cl. 23—243)

1. Stabilized phosphorus pentoxide comprising: Phosphorus pentoxide incorporated with a relatively inert binder of the class consisting of fats, waxes, resins, gums, tars, pitches, asphalts and heavy oils.

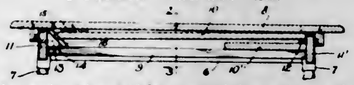
2,005,945
EMULSION PRINTING INK AND METHOD OF MAKING SAME
Earl H. McLeod, Rutherford, N. J., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 30, 1929, Serial No. 417,589
3 Claims. (Cl. 134—36)

1. An emulsion printing ink, comprising a stable aqueous emulsion that does not tend to oxide objectionably on standing in containers, is readily miscible with additional water for which it has a remarkable affinity without objectionable thinning down of the mixture; which ink, when applied to a paper surface possesses quick drying properties because of the tendency of the volatile ingredients thereof to evaporate and to penetrate into the surface to which it is applied owing to the peculiar affinity of the paper therefor, thereby materially increasing the permissible speed of application of such ink to a paper surface; which ink does not objectionably penetrate through paper to which it is applied; and which ink, when an embossing operation is employed, has no tendency to adhere to the embossing rollers; and which ink wipes readily and does not tend to de-emulsify on standing, said ink comprising essentially a pigment and a vehicle, the latter containing a resinous binder including a water-soluble resin soap and an unsaponified resin, a volatile hydrocarbon distillate that is a solvent for said resin and water, the amount of the resinous binder present in the vehicle being at least 20%, the amount of the hydrocarbon distillate present being at least 15% and the amount of the water present exceeding 10%, by weight, of the vehicle of the ink.

2,005,946
METHOD OF MAKING ACETALDEHYDE
Russell W. Millar, Berkeley, and Leo V. Steck, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 2, 1931, Serial No. 572,732
10 Claims. (Cl. 260—139)

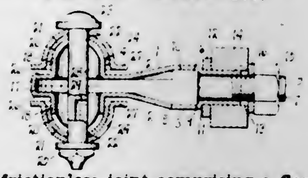
1. The process of preparing acetaldehyde from acetylene which comprises hydrating acetylene with an acid solution containing free acid of less than 20% strength and not substantially less than 22.4%, by weight of an acid salt of the free acid employed with a member of the class consisting of alkali-metals and ammonia in the presence of a mercury compound.

2,005,947
EXTENSION TABLE
Charles J. Miller, Chicago, Ill.
Application October 31, 1934, Serial No. 750,781
4 Claims. (Cl. 311—48)



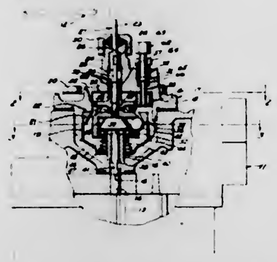
1. An extension table comprising a top, a frame, a folding filler leaf adapted to be arranged in storage position upon the frame and beneath the top, and inclined means on the frame engaging one end of the filler leaf in storage position whereby the force of gravity causes said leaf to ride down the incline until the opposite end of said leaf engages the frame and wedges the leaf between the inclined means and the frame.

2,005,948
BALL JOINT ELEMENT
Richard S. M. Mitchell, Detroit, Mich.
Application February 8, 1932, Serial No. 591,733
2 Claims. (Cl. 287—100)



2. A frictionless joint comprising a flexible inner joint member having opposed hollow semi-spherical portions at its end forming a large central lubricant chamber and provided with opposed central openings on a common axis extending transversely of the longitudinal axis of the member and longitudinal relatively narrow lubricating slots radiating from said openings, a flexible outer joint member having semi-spherical socket portions at its end disposed over opposite sides of said inner portions and having central openings alined with the corresponding central openings therein, and a bolt fitting exactly through said central openings whereby said joint members are free at their joint for movement only in the plane of their longitudinal axes, but are capable of flexing in other directions by virtue of their inherent flexibility.

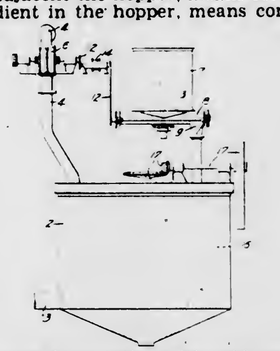
2,005,949
VERNIER FOR METER REGISTERING MECHANISM
Porter S. Morgan, New York, N. Y., assignor, by direct and mesne assignments, to Liberty Share Corporation, Buffalo, N. Y.
Original application June 3, 1932, Serial No. 615,166. Divided and this application August 10, 1934, Serial No. 739,285
3 Claims. (Cl. 74—281)



1. In a change speed drive mechanism, a body, a race member secured to the body and having an internal conical face, a cone adapted to be secured to a driving shaft and having a conical face, a plurality of balls between the race member and cone, a cup removably secured to the body, a spring having one end mounted on the cup, a thrust bearing interposed between the remaining end of the spring and said cone, said spring retaining the cone in frictional engagement with the balls, a cage adapted to be connected to a driven shaft and formed with pockets receiving the balls, and means mounted on the body for adjusting the cage axially relative to the race and cone.

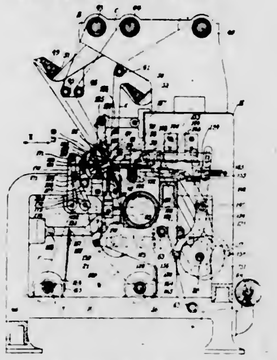
2,005,950
APPARATUS FOR PROPORTIONING INGREDIENTS
Carl J. Moroney, San Mateo, and William O. Witherspoon, Burlingame, Calif.
Application May 1, 1933, Serial No. 668,804
1 Claim. (Cl. 137—165)

Apparatus for mixing and proportioning a dry ingredient with a fluid, comprising a mixing tank, stirring means in the tank, a discharge duct adjacent the bottom of the tank, a constant displacement pump connected with a supply of the fluid and discharging into the top of the tank, means for driving the pump, a hopper for holding a supply of the dry ingredient and arranged above the tank, a duct connected with the hopper and depending downwardly with its discharge end adjacent the top of the tank, a feed screw in the duct adjacent the hopper, means for stirring the ingredient in the hopper, means connecting



the feed screw for rotation with said pump, and means interposed in the connecting means for varying the speed of the feed screw relative to said pump.

2,005,951
MANUFACTURE OF FABRICS
James Morton, Carlisle, England
Application June 10, 1933, Serial No. 675,185
In Great Britain June 25, 1932
30 Claims. (Cl. 66—85)

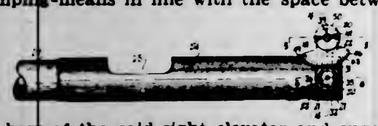


1. A fabric manufacturing machine adapted to receive a sheet of stuffer warps and comprising guides for leading-in a sheet of pile warps, mechanism for imparting pile-looping movements to said guides, means for supplying wefts to opposite faces of said stuffer and pile sheets, mechanism for producing chains of stitches which extend along spaces between groups of said stuffer and pile warps and inter-bind the wefts, stationary hooks around which the weft-bound pile warps are looped during said pile-looping movements, knives provided in combination with said hooks, and means for moving said knives to cut the looped pile warps.

2,005,952
ADJUSTABLE SIGHT FOR FIREARMS
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Incorporated, New Haven, Conn., a corporation
Application June 9, 1933, Serial No. 675,065
7 Claims. (Cl. 33—56)

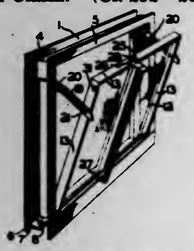
1. In an adjustable sight, the combination with a thin-walled tubular member of a firearm having a cylindrical outer surface with an integral lug thereon flanked by cutaway portions; of a

sight-elevator having two spaced-apart bars straddling the said lug and extending into the cutaway portions flanking the same; releasable clamping-means in line with the space between



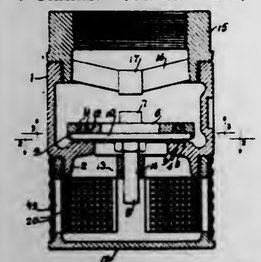
the bars of the said sight-elevator and engaged with the lug on the cylindrical surface of the said tubular member for securing the said elevator thereto; and a sight carried by the said elevator.

2,005,953
WINDOW LOCK AND HANDLE
Hiram W. Nicles, Muskegon Heights, Mich., assignor to Vento Steel Sash Company, Muskegon Heights, Mich., a corporation of Michigan
Application February 9, 1931, Serial No. 514,342
1 Claim. (Cl. 292—202)



In a latch construction adapted for use with a bodily movable sash which has a mullion thereacross, the combination of, a bail extending entirely across the sash and means at each end of the bail for pivoting the same onto the sash spaced from the ends of the mullion whereby the bail may be swung against the mullion for the purpose described, said bail being so formed as to serve as a handle member along substantially its entire length, said bail being of channel shape and adapted to be telescoped over the mullion when in inoperative position for the purpose described.

2,005,954
FOOT VALVE
Carl A. Petersen and Anker L. Christy, Chicago, Ill.
Application May 27, 1932, Serial No. 613,976
7 Claims. (Cl. 251—127)



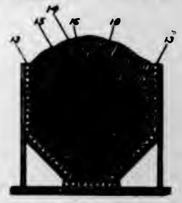
6. In a foot valve mechanism, a casing having a passageway therethrough, a valve seat comprising a plurality of ribs around the passageway, and a valve consisting of a metal disc and a resilient disc adapted to engage the ribs for closing the passageway, said metal disc having holes therein for admitting pressure fluid to the resilient disc above the ribs.

2,005,955
WELL PACKER
Roy R. Renouf, Los Angeles, Calif., assignor to Olympic Engineering Corporation, Los Angeles, Calif., a corporation of California
Application November 28, 1933, Serial No. 700,088
9 Claims. (Cl. 166—12)



7. In a packer, a mandrel, a packing member and slip cone assembly slidably and rotatably mounted upon said mandrel, slips on said slip cone, a slip-anchoring sleeve slidably mounted on said mandrel below said slip cone, spring casing-engaging means on said slip anchoring sleeve, means comprising a pin on said mandrel and a bayonet slot on said slip-anchoring sleeve for limiting movement of said sleeve with respect to said mandrel, a slip collar rotatably mounted on said sleeve for longitudinal movement therewith, and means connecting said slip collar to said slips, cooperating stop means on said mandrel and packing member for limiting downward movement of said mandrel with respect to said packing member, and other means connecting said slip ring to said packing member for limiting upward movement of said packing member with respect to said slip ring.

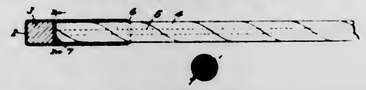
2,005,956
METHOD OF MAKING ABRASIVE METAL CARBIDES AND AN APPARATUS THEREFOR
Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 2, 1931, Serial No. 578,547
13 Claims. (Cl. 204—62)



1. The method of making abrasive metal carbide comprising the steps of providing partially converted material containing said carbide derived from a preceding furnace run and forming therefrom a resistance core located in the central high temperature zone of a resistance furnace, surrounding said core material with a charge containing uncombined oxide of the metal and carbon in suitable proportions for the reaction

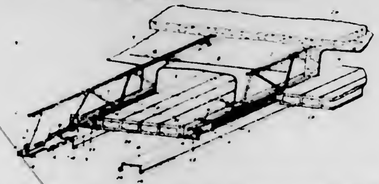
and passing an electric current through the core and thereby developing a temperature capable of forming said carbide from the charge.

2,005,957
BLASTING CAP
Frank Rosenthal, San Andreas, Calif.
Application June 18, 1934, Serial No. 731,045
8 Claims. (Cl. 102—9)



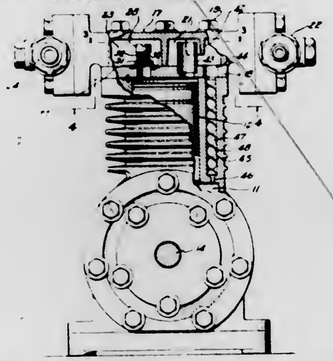
1. A fuse cap comprising a shell containing a quantity of a detonating compound compacted into one end and presenting a surface adapted to contact the end of the powder train of a fuse inserted into the shell, and said surface of the compound formed with a gas escape channel leading to the wall of the shell.

2,005,958
TILE
Peter H. Sereff, Denver, Colo.
Substitute for abandoned application Serial No. 505,827, December 31, 1930. This application March 13, 1933, Serial No. 660,566
9 Claims. (Cl. 72—66)



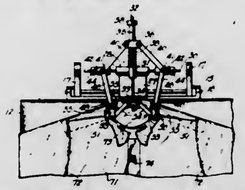
5. In a building unit, in combination with reenforcing units, ceiling members, each having on one side along each edge a groove and a tongue, and means supported by the reenforcing units and engaging said tongues to support the ceiling members.

2,005,959
REFRIGERANT COMPRESSOR
Lawrence C. Smith, Kenmore, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application May 10, 1933, Serial No. 670,313
4 Claims. (Cl. 230—172)



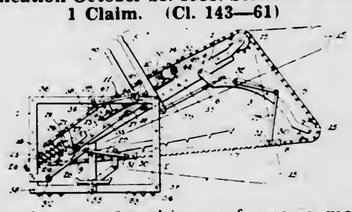
1. In a refrigerant compressor the combination of a cylinder block, a crankcase, a head for the cylinder block formed with input and output ports, a valve on each port, an input chamber formed in the head and communicating with said input port, an oil passage formed in the block and connecting the input chamber to the crankcase, and a baffle in the input chamber disposed about the input port to prevent oil entry therein.

2,005,960
GARMENT FINISHING APPARATUS
James W. Steele, Kansas City, Mo.
Application August 10, 1933, Serial No. 684,530
18 Claims. (Cl. 68—1)



1. Garment finishing apparatus comprising a table providing an ironing surface, garment shoulder positioning members mounted in position to be received within the collar opening of the garment, the length of each of said members being sufficient to project across the corresponding shoulder portion and an appreciable distance past the corresponding shoulder and sleeve connecting seam of the garment, and means for pivotally mounting said members for swinging movement in opposite directions for engagement with the interior shoulder and sleeve lines of the garment.

2,005,961
PULL AND DRAG-SAW MACHINE
Thomas Telesky, Amsterdam, N. Y.
Application October 25, 1933, Serial No. 695,147
1 Claim. (Cl. 143—61)

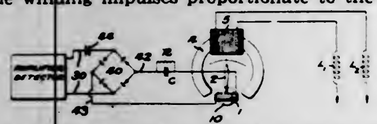


In a drag saw machine, a frame, a member rigidly secured thereto and extending therefrom, a sprocket mounted at each end of the member, a beam pivoted at its one end near the extended end of the member and supporting a sprocket at its free end, a chain trained over the sprockets and having its ends connected to the ends of a drag-saw blade, means to pivot the beam to adjust its angular relation to the member, and means to reciprocate the chain.

2,005,962
ELECTROMOTIVE FORCES COMPARING DEVICE
Haig Antranikian, Paris, France
Application June 27, 1933, Serial No. 677,949
10 Claims. (Cl. 172—245)

10. In combination, a circuit subject to rectified periodical currents having two alternate parts which may vary relatively to each other, a movable winding for indicating differences between said alternate parts, a condenser in series

with the movable winding, means connecting said movable winding and the condenser in series to said circuit, means for discharging the condenser periodically, and means for giving to the movable winding impulses proportionate to the currents in the same and in one direction during the passage of the currents due to one of said parts and in the opposite direction during the passage of the currents due to the other of said alternate parts.



2,005,963
TURN SIGNAL

Einar S. Axelberg, Minneapolis, Minn., assignor of one-half to Thomas O. Ormbreck, St. James, Minn.

Application April 30, 1934, Serial No. 723,117
3 Claims. (Cl. 177—339)

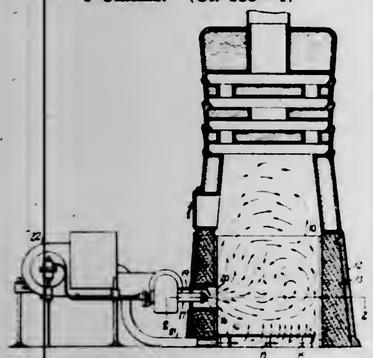


1. A turn signal for vehicles comprising a casing adapted to be mounted on a vehicle and having an open face, a direction indicating stencil partially closing said face, said stencil having an opening therethrough, a colored glass at one side of said stencil, said glass having an opening registering with a portion of said first mentioned opening, a first electric bulb mounted in said casing behind said glass and stencil, a second electric bulb mounted in said casing and disposed in said openings and means for simultaneously establishing a continuous electrical circuit to said first bulb and an intermittent electrical circuit to said second bulb.

2,005,964
OIL BURNER

Raymond P. Babcock, West Hartford, Conn.

Application May 2, 1934, Serial No. 723,476
6 Claims. (Cl. 158—4)



1. An oil-burning apparatus including: a wall surrounding a combustion chamber; an atomizing nozzle arranged to deliver a jet of substantially air-free atomized oil approximately horizontally into said combustion chamber; electric ignition means located immediately adjacent the jet of atomized oil delivered by the said atomizing nozzle; and air-delivery means arranged to deliver air under pressure into said combustion chamber upwardly toward the atomized oil and only at locations at least one third the maximum horizontal dimension of the combustion chamber horizontally away from a vertical line touching the delivery end of the atomizing nozzle; and the portion of the combustion chamber adjacent said nozzle and extending to the nearest location of air-under-pressure delivery being substantially sealed against the admission of air.

2,005,965
AIRFOIL CONTROL MEANS

George E. Barnhart, Pasadena, Calif.

Application July 5, 1933, Serial No. 679,015
35 Claims. (Cl. 244—29)

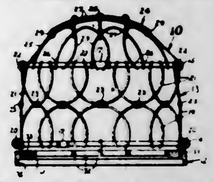


7. For use in controlling an airplane the combination of: a cambered airfoil; a set of longitudinally extending vanes mounted on the top surface of said airfoil; another set of longitudinally extending vanes mounted on the bottom surface of said airfoil, all of said vanes normally forming segments of the corresponding airfoil surfaces, and the vanes in each set being hinged to said airfoil at their adjacent edges so that the leading edge of the forward vane in each set is adapted for outward movement into the airstream and the trailing edge of the aft vane in each set is adapted for outward movement into the airstream; and means for independently actuating said vanes.

2,005,966
ADJUSTABLE FLOWER HOLDER

Ralph G. Beagle, Pasadena, Calif.

Application September 5, 1934, Serial No. 742,738
7 Claims. (Cl. 47—41)



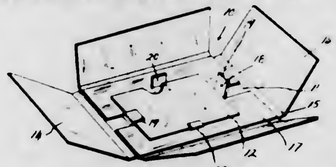
1. In a flower holder, a base, a body portion mounted on said base, said body portion including side portions and a top portion, said sides and top portion being formed to provide grill work, and means to mount said side portions to hinge.

2,005,967
PACKAGE

Kenneth D. Berdan, Detroit, Mich., assignor to Michigan Electrotype and Stereotype Company, Detroit, Mich., a corporation of Michigan

Application March 19, 1934, Serial No. 716,406
5 Claims. (Cl. 206—62)

2. A shipping case for articles comprising bottom, top and side walls defining an area within the case substantially greater than the area of the article to be shipped, and means for holding the article with the side edges thereof spaced a substantial distance inwardly from the side walls of the case, including tabs spaced inwardly from

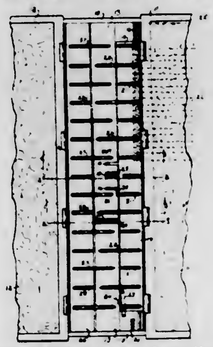


the side walls of the case and fixed in said case, said tabs being foldable over the article into engagement therewith and held in their folded positions by one wall of the case and also being so located with respect to the article as to prevent shifting movement of the same in the case.

2,005,968
VISIBLE SHIFT BINDER FOR RECORD SHEETS OR THE LIKE

Eric F. Brown, Des Moines, Iowa

Application October 6, 1933, Serial No. 692,471
9 Claims. (Cl. 129—24)

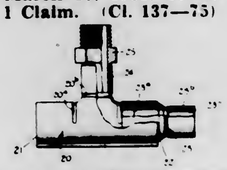


7. In a device of the class described, a binder housing, a supporting member rotatably mounted in said housing, a second supporting member rotatably and slidably mounted in said housing, arcuate tines on each of said supporting members, a finger secured to said first-mentioned supporting member and extending toward and under said second-mentioned supporting member, and a means for locking said second supporting member against movement relative to said housing.

2,005,969
PIPE FITTING

Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application March 10, 1933, Serial No. 660,228
1 Claim. (Cl. 137—75)

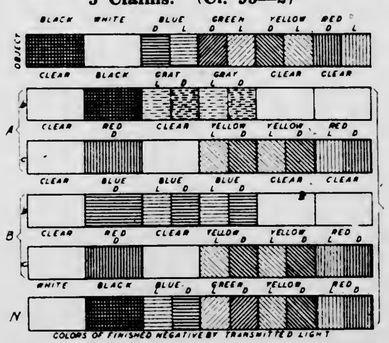


As an article of manufacture, a wrought metal fitting having a wall thickness which precludes threading and adapted to receive couplings designed for either threaded connection or sweated connection with pipe sections or for direct connection with the pipe sections themselves, said fitting being constructed and arranged to receive and have sweated thereto a pipe section either inside or overlying the outside of the fitting ends.

2,005,970
COLOR PHOTOGRAPHY

Ludwig M. Dieterich, Los Angeles, Calif., assignor to Detracolor Ltd., a corporation of Nevada

Application November 30, 1931, Serial No. 578,059
5 Claims. (Cl. 95—2)

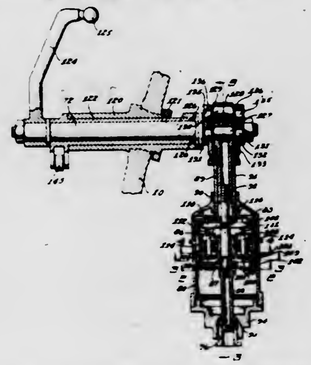


1. A method of producing photographic images in color on a film having a plurality of different light sensitive emulsions thereon one of said emulsions being predyed the color to which it is predominantly light sensitive which incldes: exposing said film to actinic light; developing the respective latent images thereby obtained; mordanting the color in the image carried by the predyed emulsion; selectively coloring another of said images the color to which the emulsion bearing said image was predominantly light sensitive; and removing the dye from the unexposed portions of said predyed emulsion.

2,005,971
SERVO-MECHANISM

Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

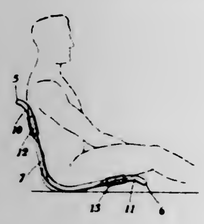
Original application March 31, 1932, Serial No. 602,233. Divided and this application August 7, 1933, Serial No. 683,976
9 Claims. (Cl. 121—41)



1. In a servo-mechanism, a cylinder having fluid inlet and outlet ports in the wall thereof, a

piston in the cylinder composed of three axially arranged sections having bolts for securing the same together, the central section of the piston having an enlarged passage around two of the bolts, a pair of peripheral recesses extending the length of the central section and communicating one with the cylinder inlet port and the other with the cylinder outlet port, a pair of chambers extending normal to the axis of the central piston portion through each recessed portion of the outlet recess periphery, axially extending openings in each of the end piston sections each communicating with one of the chambers communicating with the valve means in the piston controlling the passage of fluid between the outlet chambers and the openings in the end sections, manually operable means for controlling the position of the valve means, the chambers communicating with the inlet recess each being in communication with the openings in the remote end sections through means of the enlarged passages around the bolts, and actuator means connected with the piston and extending exteriorly of the cylinder.

2,005,972
BACK SUPPORT
Sidney Herbert Gallop, Cumberless, Ember Lane, Esher, England
Application October 28, 1933, Serial No. 695,585
In Great Britain November 22, 1932
4 Claims. (Cl. 5—327)



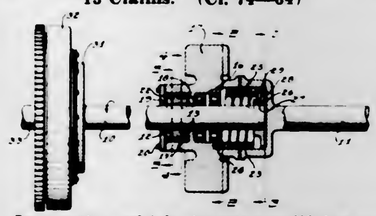
3. A legless device to aid in sitting in bed, on the floor or ground or like supporting surface, such device comprising a frame consisting of two spaced side members of approximately L-shape, the upwardly extending pair and the forwardly extending pair of legs of said L members being respectively connected together and being provided with transverse cross members forming respectively a thigh or leg engaging member and a back rest member, the back rest and thigh engaging members being spaced substantially away from the point of connection of said legs of said L members and said side memers at the point of connection between the upwardly and forwardly extending legs, each being provided with a curved rocker portion of substantial radius as compared to the length of the legs of the L members, whereby the device may be rolled over the supporting surface with an increase of the lever arm of the first-mentioned cross member and a decrease in lever arm of the second-mentioned cross member when the back rest member is moved rearwardly and the reverse when the back rest member is moved forwardly, and said frame being completely open between said cross bars and said side members so that a person can sit through the bottom and back portions of the device directly onto the supporting surface on which the device rests.

2,005,973
APPARATUS FOR LISTENING IN ON TELEPHONE CALLS
Heinrich W. Hellmann, Marienfelde-Berlin, Germany, assignor of one-fourth to Aage Gusmer, Woodbridge, N. J.
Application January 4, 1933, Serial No. 650,114
2 Claims. (Cl. 179—1)



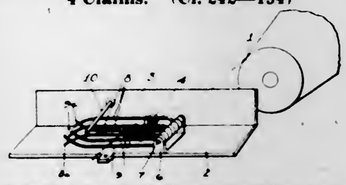
1. An attachment for telephones provided with a receiver having a magnetic distribution field, comprising a magnetic core, an induction coil associated with said core, a relatively rigid strip secured at one end to said core and extending at right angles therefrom, and clamping means carried by the other end of said strip to detachably mount the coil and core on the receiver in the magnetic field, said attachment when in applied position being movable with the receiver in the ordinary use of the telephone.

2,005,974
POWER TRANSMISSION SYSTEM
Miller R. Hutchison, Jr., New York, N. Y., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 24, 1931, Serial No. 570,857
13 Claims. (Cl. 74—64)



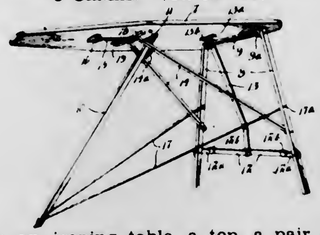
1. In a motor vehicle, torque amplifying mechanism comprising a driving member, inertia means driven thereby, a driven member, a clutch device engageable to drive the driven member, driving connections between the inertia means and the clutch, and a continuous connection around said inertia means between the driving member and the clutch.

2,005,975
THREAD TENSIONING DEVICE
Frank B. Javery, Worcester, and Armon J. Javery, Oxford, Mass., assignors to Warp Compressing Machine Company, Worcester, Mass., a corporation of Massachusetts
Application July 24, 1933, Serial No. 681,856
4 Claims. (Cl. 242—154)



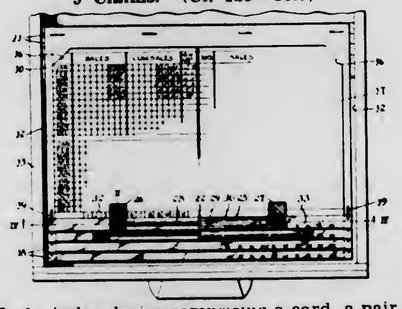
1. A yarn tension device comprising two sets of tension members alternately arranged with each of the members of one of said sets being separately pivotally mounted for individual movement toward and away from the members of the other set.

2,005,976
IRONING TABLE
Henry V. Keller, Minneapolis, Minn.
Application February 9, 1931, Serial No. 514,499
5 Claims. (Cl. 68—10)



1. In an ironing table, a top, a pair of rear legs pivoted to said top for folding movement thereagainst, a forward leg pivoted to said top forwardly of said rear legs and inclined downwardly and forwardly when the device is set up, an upper brace connecting intermediate portions of said rear legs with an intermediate portion of said top, said brace comprising an elongated section pivoted to said rear legs and extending therefrom to said top when said table is set up and a relatively short section pivoted to said first mentioned section and non-slidably pivoted to said table, said short section lying against the top when the table is set up and a pair of non-collapsible brace rods connecting said forward leg with intermediate points on said rear legs.

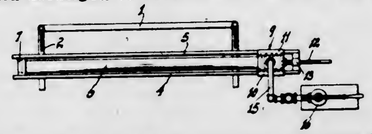
2,005,977
INDEX AND SIGNAL
Charles C. Kitchen, Toledo, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y.
Application July 9, 1932, Serial No. 621,722
9 Claims. (Cl. 129—16.7)



6. An index device comprising a card, a pair of signals, means on one marginal portion of the card for slidably mounting the signals for independent movement with portions of the signals visible over different portions of the card and other portions concealed, said signals being free for signalling cooperation on one face of the card and over different and opposite sections.

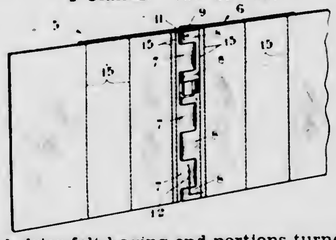
2,005,978
CORE EJECTOR
Lewis A. Larson and Arthur Soll, Compton, Calif.
Application February 18, 1935, Serial No. 7,024
5 Claims. (Cl. 255—1)

1. A core ejector comprising a pair of spaced guide bars, a stationary foot ring between said bars, said foot ring being adapted and arranged to receive one end of the core barrel, a pressure head, means slidably mounting the pressure head on the guide bars, said pressure head being adapted and arranged to receive the other end of the



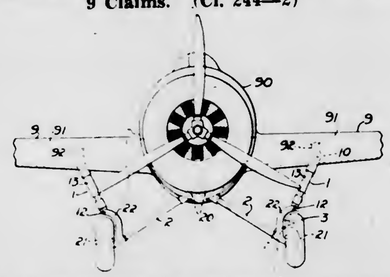
core barrel, and means to introduce pressure into said pressure head.

2,005,979
DRIER FELT FOR PAPER MAKING MACHINES
Tom Milnes, Lachute Mills, Quebec, Canada, assignor of one-half to Ayers Limited, Lachute Mills, Quebec, Canada
Application July 14, 1934, Serial No. 735,160
4 Claims. (Cl. 24—33)



3. A drier felt having end portions turned back and fastened to the body of the felt to provide integral tubular terminals, each of said terminals being slotted to provide a series of loops fitted between the loops of the remaining terminal and a pair of retaining keys passing through said loops and serving to hold them in their interfitting relation, said keys comprising two relatively thin and wide flat strips of metal flatly engaged with each other.

2,005,980
RETRACTABLE LANDING GEAR
Robert J. Minshall, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Washington
Application July 12, 1933, Serial No. 680,084
9 Claims. (Cl. 244—2)



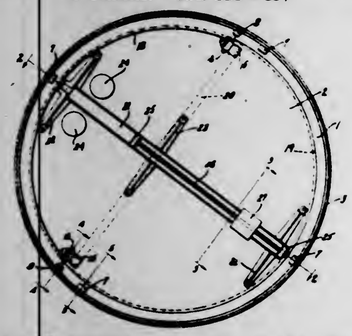
6. In combination with an airplane structure, a landing wheel, a spindle supporting the same, a bifurcated strut rigid with said spindle, one arm thereof extending inward from the base of the spindle and secured to the airplane structure, the other arm thereof projecting from the base of the spindle upward to a point adjacent to the periphery of said wheel, a vertical strut pivotally connected at its lower end to the upper end of such upwardly projecting arm, and pivotally

connected at its upper end to the airplane structure, and means to withdraw into the airplane structure the end of the inwardly projecting arm of the bifurcated strut, thereby to swing upward the landing wheel and vertical strut.

2,005,981
DRAFT REGULATOR

Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio

Application February 24, 1933, Serial No. 658,393
2 Claims. (Cl. 236—45)

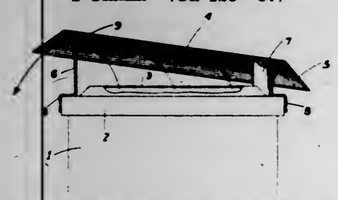


1. In an automatic damper of the class described, and having an annular base and a shutter adapted to control the opening of said base, brace means for said shutter comprising a pair of members arranged in cruciform relation on the opposite faces of the shutter and each secured to the latter, one of said brace members being nondiametrically disposed and having bearing means at its ends arranged to mount said shutter on said base for swinging movement, the other brace member being diametrically disposed and having a weight mounted for adjustment therealong, said diametric brace member having arms extending therefrom at its ends and secured at their ends with said shutter, and also having arms opposite said other brace member and secured to the latter through openings in said shutter.

2,005,982
GAS SAVING DEFLECTOR

Bowman S. Smith, Stockton, Calif.

Application March 21, 1934, Serial No. 716,641
1 Claim. (Cl. 126—67)



An air deflector for the top of a circulating room heater of substantially rectangular form, which deflector comprises a deflecting plate substantially the size of the heater top, front legs depending from the plate and formed at their lower ends to removably rest on the top of the heater and overlap the front edge thereof, back legs depending from the plate, the back legs having cove shaped feet to embrace the top and adjacent side edges of the upper corners of the heater whereby such feet function to positively locate the plate in proper position on the heater and prevent lateral displacement thereof.

2,005,983
RAILWAY CAR TRUCK

Charles D. Young, Haverford, Pa.

Application November 12, 1932, Serial No. 642,331
6 Claims. (Cl. 105—197)

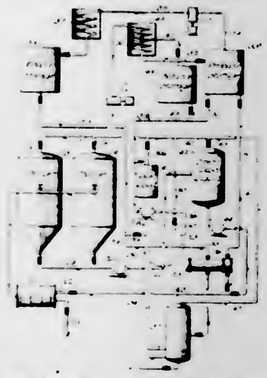


1. In a car truck, the combination of side frames, a bolster having vertical sliding engagement with said frames, coil springs carried in the window openings of said frames for supporting said bolster, and a leaf spring in each end of said bolster having two points of bearing contact therewith, the outer ends of said leaf springs being supported on and having non-shiftable connection with said frames.

2,005,984
DEWAXING MINERAL OILS

Chester E. Adams and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 30, 1932, Serial No. 620,094
22 Claims. (Cl. 196—19)



1. The method of filtering a wax slurry to form a dry filter cake on a continuous rotary filter in a closed insulated chamber which comprises introducing a liquefied normally gaseous inert substance between said rotary filter and said chamber which vaporizes to effect refrigeration and to maintain filtering pressure and which consequently acts as a drying medium to remove liquids from the cake on the rotary filter.

3. The method of filtering and washing a wax slurry on an enclosed filter which comprises immersing the filter element in a wax slurry which is maintained under positive pressure whereby filtrate is forced through the element and a filter cake is built up thereon, and washing said filter cake with a liquid having a lower vapor pressure than the filtrate so that there will be no tendency for the filter cake to be disrupted by the expansion of wash liquid therein.

2,005,985
HOOK FASTENING FOR FISH LURES

Paul S. Bear, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application January 10, 1934, Serial No. 706,001
5 Claims. (Cl. 43—28)
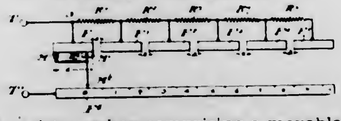


1. In combination with a bait body, a loop extending outwardly therefrom and terminating in prongs engaging the bait body, at least one of said prongs abutting against the outer surface of the bait body, a hook provided with an eye engaging said loop and adapted to swing thereon, a reinforcing member provided with an annular portion surrounding said loop and positioned to limit the swinging of said hook and an attaching portion overlying the exposed prong of said loop, and a securing member entered through said attaching portion and through said exposed prong and extending into the body of the bait at an angle to the normal line of pull of said hook.

2,005,986
IMPEDANCE SET

Leo Behr, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 4, 1931, Serial No. 578,951
8 Claims. (Cl. 201—48)



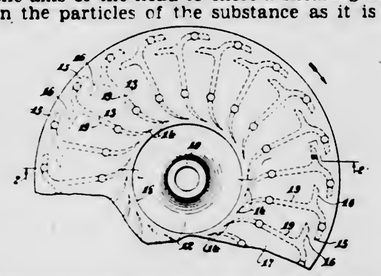
8. A resistance box comprising a movable indicating member indicating a number of resistance values differing progressively by equal increments for successive settings of said indicating member in one direction, a pair of contacts, a resistor continuously connected between said pair of contacts and of a magnitude twice the increment, a plurality of resistors connected in series and each of the same magnitude as said first resistor, a plurality of contacts connected to said plurality of resistors, and means operable upon movement of said indicating member to effect relative movement between said plurality of contacts and said pair of contacts, the dimensions and spacing of said contacts in the direction of movement being such and so related to movement of the indicating member that when said indicating member indicates even multiples of said increment said first resistor is effectively out of circuit and when said indicating member indicates odd multiples of said increment said first resistor is in shunt to one of said plurality of resistors effectively in circuit.

2,005,987
MICRONIZER HEAD

William Spencer Bowen, Westfield, N. J.

Application December 9, 1933, Serial No. 701,594
3 Claims. (Cl. 299—63)

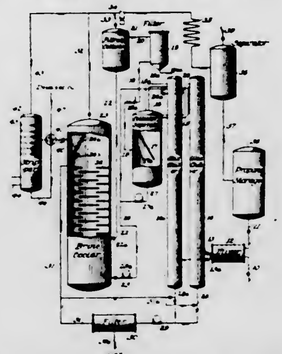
1. Homogenizing means comprising a rotatable head having a blade formed with a surface lying in a plane parallel with the axis of the head to impart centrifugal force to a substance, means on the blade forming a surface at substantially right angles to the blade against which the substance is directed under centrifugal force, said means being provided with a cutting edge parallel to the axis of the head to exert a shearing force upon the particles of the substance as it is directed thereover under centrifugal force, and means substantially parallel to the last named means against which the substance is directed under centrifugal force from the said edge, the last named means being provided with a cutting edge parallel to the axis of the head to exert a shearing action on the particles of the substance.



2,005,988
DEWAXING WITH NONMISCIBLE REFRIGERANT

Bruce K. Brown, Evanston, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 19, 1932, Serial No. 600,023
8 Claims. (Cl. 196—18)



1. The method of separating wax from a wax-bearing oil, which comprises diluting said oil with a liquefied, normally gaseous diluent, introducing the mixture into a body of cold inert refrigerant liquid, mechanically separating the solidified wax, the inert refrigerant liquid, and the diluted oil respectively from each other, vaporizing the diluent from the diluted oil in heat exchange relation to the refrigerant liquid, and returning the refrigerant liquid for contact with further amounts of diluted waxy oil.

2,005,989
CORE BARREL

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application June 7, 1933, Serial No. 674,655
6 Claims. (Cl. 255—72)

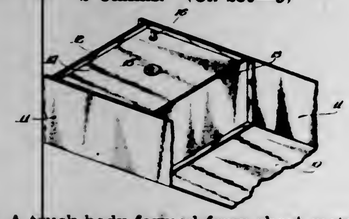
1. A core barrel comprising a drill barrel having a cutter head at its lower end to penetrate

the formation to form a core, a core tube disposed within the drill barrel and about which the drill barrel may revolve, said core tube being movable axially relative to the drill barrel, a plunger actuated by the pressure of drilling fluid in the drill barrel connected with the upper end



of the core tube and exerting a constant downward pressure thereon so as to urge the same downwardly relative to the drill barrel, and percussion means interposed in the connection between the plunger and the core tube for imparting intermittent downward blows to the core tube during the operation of the drill barrel.

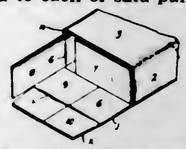
2,005,990
FIRE TRUCK
William S. Darley, Chicago, Ill.
Application January 22, 1934, Serial No. 707,682
2 Claims. (Cl. 280—5)



1. A truck body formed from sheet metal bent to constitute integral bottom and side walls; an end wall welded to said bottom and side walls; a partition traversing said body intermediate its ends and at a distance from said end wall and welded to said bottom and side walls to constitute the other end of a tank occupying the full width but only part of the length of said body; a cover member for said tank inserted between and welded to said side walls, end wall and partition below the tops thereof to form a filling trough, there being an opening leading through said cover member into the tank; and a discharge from said tank leading through the bottom of said body.

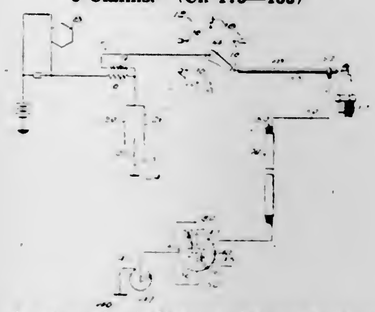
2,005,991
BOX
Thomas H. Gagen, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application January 24, 1934, Serial No. 708,098
3 Claims. (Cl. 229—40)

1. In a box of the character described, a face portion, side elements each hinged to said face portion and each having hinged thereto a tongue adapted to overlap with the corresponding tongue on the opposite side element, another face element comprising two abutting parts, and an end flap secured to each of said partial face ele-



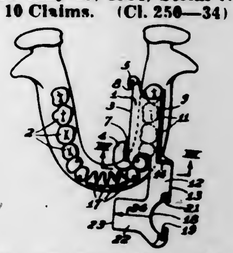
ments and no wider than the element to which it is secured and adapted to tuck between an edge of each of said flaps and the first-named face portion.

2,005,992
IGNITION SYSTEM
Herman C. Heaton, Kenilworth, Ill.
Application August 11, 1930, Serial No. 474,341
Renewed November 24, 1934
6 Claims. (Cl. 175—183)



1. A system for indicating the operating characteristics of a plurality of high tension electrical circuits including means for successively energizing said circuits, shielded high tension conductors between said engaging means and said circuits, a tube filled with a gas providing for visible low tension discharges therein, a disc disposed centrally in said tube and connected to ground, a plurality of electrodes sealed in said tube in spaced relation about the periphery of said disc and electrostatically connected to said high tension conductors, and means for varying the resistance between said disc and ground.

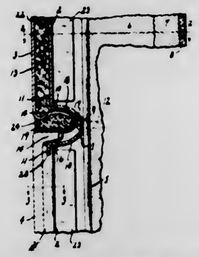
2,005,993
HOLDER FOR DENTAL X-RAY FILMS
Donald D. Heron and Robert S. Heron, Pittsburgh, Pa.
Application May 15, 1934, Serial No. 725,678
10 Claims. (Cl. 250—34)



1. A holder for dental X-ray films, comprising a relatively thin bite-piece adapted to be gripped between upper and lower back teeth and

formed adjacent one edge with an opening for receiving and holding an X-ray film substantially at right angles to itself, the opposite edge of the bite-piece being provided with a flange substantially parallel to the plane of the film, the width of the bite-piece being such that when said flange is placed in contact with the buccal surfaces of said teeth the film is spaced from those teeth whereby distortion of the film by contact with the teeth and gums is substantially eliminated.

2,005,994
BUILDING CONSTRUCTION
Russell L. Hohl, Shaker Heights, Ohio
Application May 27, 1933, Serial No. 673,190
11 Claims. (Cl. 72—24)



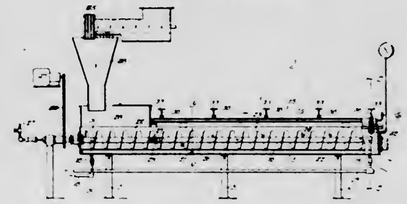
1. A runner for the purpose described comprising a flat back part adapted to be secured upon a wall body structure, having a pair of side parts extending from said back part to form channel means adapted to receive adjustably therealong the near inturned edges of sheathing panels for said wall body, with portions of said channel means reentrant to cooperate with said panel edges for securement of the latter by the bearing between the parts, and said runner having flange means extending straight laterally from its sides and adapted to position and support adjustably therealong the near ends of stretcher means for sealing the transverse joints between said panels.

2,005,995
RODLESS PUMP
Granville S. Knox, Los Angeles, Calif., assignor to W. L. Cummings, Los Angeles, Calif.
Application May 29, 1934, Serial No. 728,078
15 Claims. (Cl. 103—46)



1. In a fluid-actuated well pump adapted to be positioned in a well and having pressure fluid and exhaust fluid connection with the surface through separate conduits, a reciprocating pump unit having a stationary element and a reciprocating element, a motor unit comprising a stationary plunger assembly adapted to be connected to the stationary element of the reciprocating pump unit, and a cooperating reciprocable cylinder assembly adapted to be coupled to the reciprocating element of the pump unit and defining together with said plunger assembly a working chamber having a reciprocable piston element therein, valve means for said motor unit incorporated within said stationary plunger assembly for controlling the admission of pressure fluid to and the discharge of exhaust fluid from opposite ends of said working chamber, said plunger assembly also defining fluid passages extending directly from said valve means to said working chamber and from said valve means to said pressure fluid and exhaust fluid conduits, respectively, and means for actuating said valve means in response to predetermined movements of said cylinder assembly.

2,005,996
APPARATUS FOR HEAT-TREATING CHEESE
Norman Kraft, Wilmette, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Application June 1, 1931, Serial No. 541,163
Renewed October 22, 1934
6 Claims. (Cl. 99—2)



6. A vessel for heat-treating comminuted cheese, comprising a water jacketed body and a water jacketed cover therefor, the jackets of said body and cover having communicating ducts at opposite ends only of the vessel, a hot water supply pipe communicating with said body jacket, a partition in said body jacket between said ducts formed with one or more restricted flow holes of less cross sectional area than said supply pipe, and a hot water return pipe communicating with said body jacket on the opposite side of said partition from said supply pipe.

2,005,997
PRODUCTION OF MIXED FERTILIZERS
Carl Krauch and Carl Eyer, Ludwigshafen-on-the-Rhine, Gottwald Baetz, Oggersheim, and Friedrich Korn, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 9, 1931, Serial No. 521,253. In Germany June 5, 1928
22 Claims. (Cl. 71—9)

1. Process of producing globular granules of a mixed fertilizer resistant to attrition, containing ammonium nitrate as a major constituent which comprises adding to a melt containing ammonium nitrate and at least one other fertilizing salt up to 10 per cent by weight of the melt of a sodium salt soluble therein and non-injurious to plants, and then solidifying the resulting melt by spraying.

2,005,998
AUTOMATIC SAW FILING DEVICE
Erik Lander, Oakland, Calif.
Application November 28, 1932, Serial No. 644,710
3 Claims. (Cl. 76—36)



1. A saw filing device, comprising a frame including a finger-engageable grip, and a U-shaped member rigidly connected together, a sleeve rotatably mounted in said member formed with a recess to receive the end of a file, means for securing the end of a file in said sleeve, means for securing said sleeve and file at adjusted rotary positions, an arcuate finger having a recess in its base and pivotally mounted in said frame having its axis of rotation in line with the recess in said sleeve and file secured therein, a set-screw cooperating with said recess to limit the swinging movements of said finger, and a spring tending to urge said finger into its position of maximum of angularity relative to the plane of the file.

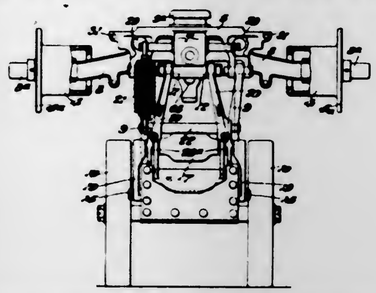
2,005,999
GREETING CARD ASSEMBLY
Wallace Q. Larson, Minneapolis, Minn., assignor to Augsburg Publishing House, Minneapolis, Minn., a corporation of Minnesota
Application March 26, 1934, Serial No. 717,441
3 Claims. (Cl. 229—92.7)



1. A greeting card assembly comprising a sheet of fairly heavy paper of substantially rectangular form in plan folded upon itself some distance from a transverse median line so that the folded edge is spaced from the opposite edge after folding, said sheet then being folded again along a median line substantially at right angles to said line, said sheet having a flap extending along one side, a seasonal greeting card bearing a picture fixedly mounted upon and secured to said sheet at one side of said last mentioned line, a seasonal greeting at the other side of said last mentioned line, said picture and greeting being appropriate to a certain season, said flap being adapted to be folded over the edge of the folded sheet to seal the same whereby an address can be placed upon the outer side of said folded sheet and the device mailed.

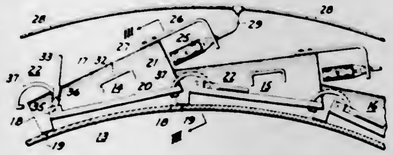
2,006,000
MOTOR TRACTOR AND TRAILER
Oliver Dawson North and Percy Garibaldi Hugh, London, England, assignors to Scammell Lorries Limited, London, England
Application November 7, 1933, Serial No. 696,939
In Great Britain May 24, 1933
5 Claims. (Cl. 280—33.1)

5. In a tractor and trailer a transversely disposed coupling member on the trailer, means permitting limited oscillation of the said coupling member about points between its centre and ends, and coupling guides on opposite sides of



the longitudinal centre line on the tractor adapted to be slid into engagement with said oscillatable coupling member.

2,006,001
APPARATUS FOR ANNEALING
Eugene A. Rowe, San Francisco, and Samuel H. Edwards and Francis N. Fossati, Richmond, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application September 10, 1934, Serial No. 743,320
6 Claims. (Cl. 263—5)



2. In an apparatus of the character described, a relatively short, shallow, channel shaped shield, one end of which is larger than the other and is adapted to overlap the smaller end of a similar shield, means comprising a burner adapted to direct a stream of hot gases into the larger end of said shield, and means for securing said shield to a second shield in overlapping relation.

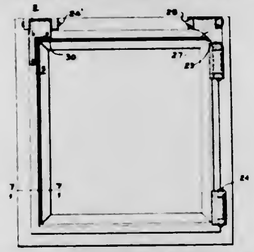
2,006,002
MANUFACTURE OF PHOTOGRAPHIC SILVER HALIDE EMULSION LAYERS
Wilhelm Schneider, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application November 24, 1933, Serial No. 699,635. In Germany November 29, 1932
9 Claims. (Cl. 95—7)

1. In the process of manufacturing photographic silver halide emulsion layers the step which comprises adding to a mixture containing silver-halide, gelatin and water a mixture of gelatin and a compound selected from the group consisting of artificial polymeric carboxylic acids containing in their molecule a methylene group, salts of artificial polymeric carboxylic acids containing in their molecule a methylene group, polymerization products containing in their molecule a methylene group from mixtures of unsaturated carboxylic acids and of the derivatives thereof.

2,006,003
COMPLEX COMPOUNDS OF ORGANIC MERCAPTO COMPOUNDS
Walter Schoeller, Berlin-Westend, Hans Georg Allardt, Berlin-Reinickendorf-West, and Adolf Feldt, Berlin-Charlottenberg, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application July 30, 1932, Serial No. 627,098. In Germany August 3, 1931
6 Claims. (Cl. 260—11)

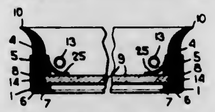
1. Double compounds having the formula $A.(B)_n$, wherein A is an organic compound containing a sulfhydryl group, the H-atom of which is substituted by an element, the sulfide of which is neither soluble in nor decomposed by water and which element is not combined with elements other than sulfur, while B is a compound containing a sulfhydryl group, the H-atom of which may be substituted by an alkali forming metal, n being an integer, these compounds being readily soluble in water, dissolving only with difficulty in organic solvents and having a high thereapeutical value.

2,006,004
WINDOW CASEMENT
Frederick C. Wenzel, Stamford, Conn.
Application August 30, 1932, Serial No. 631,025
24 Claims. (Cl. 189—66)



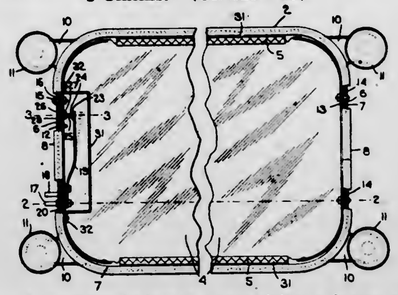
1. In a casement window assembly, a casement window, a series of hinges for supporting said window, one of said hinges being operable to permit swinging of said window about two different axes, the others of said hinges being operable as hinges only when said window is rotated about those hinges, said windows being releasable from said hinges by direct outward pressure.

2,006,005
WINDSHIELD HEATER
Max Zaiger, Swampscott, Mass.
Application December 18, 1934, Serial No. 758,073
7 Claims. (Cl. 219—19)



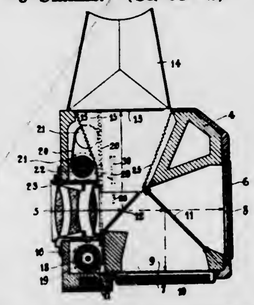
5. A windshield heater comprising a frame L-shaped in cross section, a glass-holding member of rubber fitting within the frame and provided with a flexible lip projecting beyond the frame and adapted to engage the windshield and also provided with a glass-receiving groove, a pane of glass carried by said member and having its edges received in said groove, said glass clamping the glass-holding member against the frame and retaining it therein, spaced terminals on said frame and electric heating resistors connecting said terminals.

2,006,006
WINDSHIELD HEATER
Max Zaiger, Swampscott, Mass.
Application January 26, 1935, Serial No. 3,605
3 Claims. (Cl. 219—19)



3. A windshield heater comprising a frame element having a flexible lip to engage a windshield, a glass pane carried by said frame element and forming with the windshield a heating chamber, two resistor-supporting strips at opposite ends of the frame on the interior thereof, one of which strips is insulated from the metal frame member and the other of which is electrically connected thereto, heating resistors connected at one end to one strip and at the other end to the other strip, two circuit terminals carried by the metal frame member, one of the terminals being insulated therefrom, a thermostatic element mounted within said frame member and connected to said latter terminal and a contact carried by the insulated resistor-supporting strip and co-operating with the thermostatic element to close the heating circuit when the temperature within said chamber is below a predetermined point and to open said circuit when the temperature rises above said point.

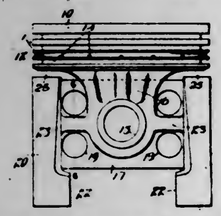
2,006,007
CAMERA FOR TAKING INSTANTANEOUS COLOR PHOTOGRAPHS
Josef Zimmer, Nurburg, near Ahrweiler, Germany
Application April 12, 1933, Serial No. 665,629
In Germany April 19, 1932
8 Claims. (Cl. 95—2)



4. A camera for taking instantaneous multicolor photographs, comprising in combination: a camera body; an objective on said camera body; a focussing screen on said camera body; at least one light-transmitting distributing mirror arranged behind said objective and co-operating therewith to distribute the light passing through said objective on to a plurality of independent light sensitive layers; at least one light-reflecting, but not light-transmitting mirror ar-

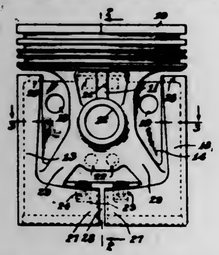
ranged between said light-transmitting distributing mirror and said objective behind the latter at an angle to the optical axis thereof, rectilinearly movable transversely to the said axis, and reflecting incoming light rays on to said focussing screen; a shutter comprising a cloth roller blind provided with an exposure opening and having one end attached to said light-reflecting, but not light-transmitting mirror; pull members likewise attached to said last named mirror; a pull and wind-up roller connected to said pull members; and a wind-up spring associated with said roller.

2,006,008
PISTON
Adolph L. Nelson, Indianapolis, Ind., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich.
Application June 5, 1923, Serial No. 643,499
15 Claims. (Cl. 309—13)



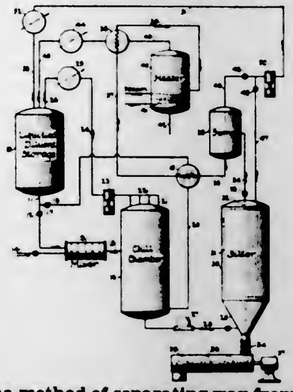
1. In a piston, a sectional skirt, a head separate therefrom, piston pin bearings integral with the head, struts uniting the sections of the skirt to each other and to the piston pin bearings, and integral ridges running from the piston pin bearings to the sections of the skirt said ridges extending along at least one side of each strut, substantially as set forth.

2,006,009
PISTON
Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich.
Application May 15, 1928, Serial No. 278,026
Renewed March 26, 1931
46 Claims. (Cl. 309—13)



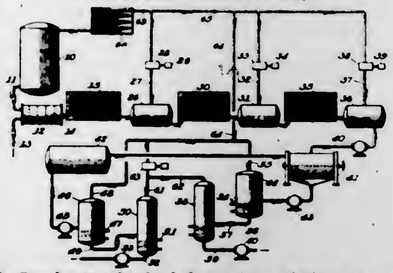
1. A piston comprising a head, piers depending from the head and carrying piston pin bosses, a pair of thrust faces having their upper ends spaced from the head and the piers, a pair of ties extending at a downward angle from the piers to each thrust face, the ties being homogeneous with the piers and with the thrust face, and a strut of relatively inexpansible material associated with each pier and extending between the thrust faces.

2,006,010
SEPARATING WAX FROM OIL
Harold V. Atwell, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 26, 1931, Serial No. 571,150
4 Claims. (Cl. 196—19)



2. The method of separating wax from oil which comprises diluting a wax-bearing oil under pressure with a diluent containing a normally gaseous fluoride of a hydrocarbon containing not more than two carbon atoms, said fluoride containing less than two chlorine atoms, cooling the diluted oil to effect solidification of wax, mechanically separating the wax from the diluted oil and removing the diluent from the dewaxed diluted oil.

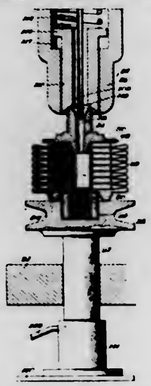
2,006,011
CONTINUOUS PROPANE DEWAXING
Harold V. Atwell, White Plains, N. Y., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 24, 1933, Serial No. 667,564
7 Claims. (Cl. 196—18)



1. In the method of dewaxing oils by means of liquefied normally gaseous diluents, the step of continuously chilling a diluted oil-wax mixture without passing said mixture through a restricted opening between a zone of high pressure and a zone of low pressure, which step comprises continuously passing said mixture through an elongated conduit whereby the rate of vaporization of propane is controlled by the gradual pressure drop incident to the flow of said mixture through said conduit.

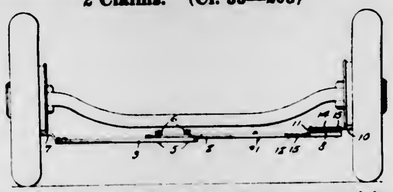
4. The process of continuously cooling a propane-oil-wax mixture to effect the solidification of wax in readily separable form, which comprises forcing said mixture through an elongated closed passageway of narrow cross section to effect a gradual and substantial pressure drop, allowing the gradual pressure drop to cause vaporization of propane for cooling the mixture to solidify the wax and maintaining the walls of the passageway at a sufficiently high temperature to prevent wax crystals from adhering thereto.

2,006,012
MACHINE FOR CHARGING CONTAINERS
Paul E. Cate, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Original application September 2, 1932, Serial No. 631,597. Divided and this application December 7, 1933, Serial No. 701,406
3 Claims. (Cl. 226—96)



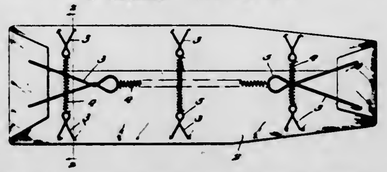
1. In a bellows handling machine, a movable carrier adapted to support a plurality of bellows, means for introducing a liquid charge into said bellows including a casing, a charge delivery tube having its delivery end extending beyond the end of said casing, a sleeve member slidably mounted in said casing and surrounding said tube, the end of said sleeve member normally extending beyond and protecting the delivery end of said tube, means yieldably resisting inward movement of said sleeve member, means for moving said carrier to advance said bellows one after another into substantial alignment with said sleeve member, and means for moving said bellows one after another to effect a fluid-tight engagement between the ends of said bellows and said sleeve member and withdraw said sleeve member to project the end of said tube into an opening in the end of each said bellows.

2,006,013
AUTOMOBILE WHEEL ALIGNER
Van Claywell, Siren, Wis.
Application July 24, 1934, Serial No. 736,740
2 Claims. (Cl. 33—203)



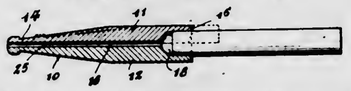
1. An automobile wheel aligner comprising a bar including sections adjustably connected whereby the length of the bar may be increased and decreased, a pointed element carried by one of the sections to engage with one of the wheels of an automobile, a bracket secured to the other section of the bar and having angularly related apertured ends, a pointed rod slidably mounted in the apertured ends of the bracket to engage with the other wheel of the automobile, a scale on the bar, said rod having a portion angularly disposed to operate over the scale as a pointer, and spring means for said rod.

2,006,014
IRONING BOARD
Joseph E. Doyle, Clarks Summit, Pa.
Application March 15, 1934, Serial No. 715,753
2 Claims. (Cl. 24—87)



1. A fastening for ironing board covers consisting of a pair of cover-engaging members and a contractile spring attached to and extending between said members, each of said members having an eye to be engaged by an end of the spring, and diverging side members extending from the eye and terminating in cover-engaging spurs.

2,006,015
SMOKER'S ITEM
Goswin Droop, Habana, Cuba
Application April 16, 1934, Serial No. 720,857
In Cuba November 28, 1933
3 Claims. (Cl. 131—10)



1. A cigar or cigarette holder comprising a pair of complemental sections having flat abutting face portions and recesses at one end defining a socket, one of said sections having a dovetailed groove extending from its respective recess to a point intermediate the length of the section, a smoke channel in the section in alinement and communicating with the groove, the smoke channel being of less diameter than the groove, defining a shoulder at the juncture therewith, a dovetailed rib formed upon the other section, said rib being of a length corresponding to that of the groove whereby when said sections are in engaged position the rib will engage said shoulder, and a smoke duct extending medially and longitudinally of said rib and in communication with the first named smoke duct.

2,006,016
METHOD OF MAKING PIGMENTED PAPER
Alwin C. Eide and John Henry Calbeck, Columbus, Ohio, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application July 31, 1934, Serial No. 737,856
25 Claims. (Cl. 92—21)

1. In a process of making pigmented paper, the step of incorporating undried zinc sulfide in the paper pulp.

2,006,017

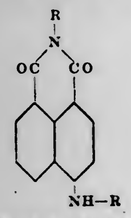
4-AMINO-1,8-NAPHTHALENE-DICARBOXYLIC ACID IMIDES AND 4-ALKYLAMINO-1,8-NAPHTHALENE-DICARBOXYLIC ACID ALKYLIMIDES AND A PROCESS OF PREPARING THEM

Wilhelm Eckert and Walter Gmelin, Frankfort-on-the-Main-Hechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 24, 1933, Serial No. 662,638. In Germany March 24, 1932

8 Claims. (Cl. 260—124)

5. The compounds of the following constitution:



wherein R represents an amino-, alkyl or cyclohexyl group.

2,006,018

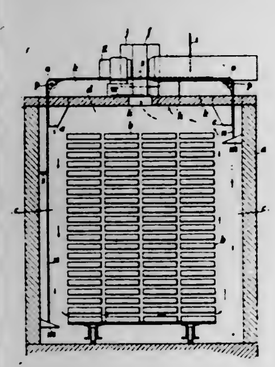
DRYING OF TIMBER OR OTHER MATERIALS

Charles Goodall, Tutbury, Burton-on-Trent, England

Application March 15, 1934, Serial No. 715,709

In Great Britain December 30, 1933

2 Claims. (Cl. 34—46)



1. In apparatus for use in the drying of timber or other materials, the combination of a chamber in which the timber or other material can be stacked leaving spaces within and around the stack, a deflector vertically movable in each side space and adapted to direct the air horizontally through the stack, flexible means interconnecting the deflectors so that upward movement of one is accompanied by downward movement of the other, reversible actuating means for the deflectors, a fan, means for conveying air from the fan into each side space alternately, a reversing valve situated between the fan and chamber inlets, and a striker associated with the deflector actuating mechanism for reversing the said valve, substantially as described.

2,006,019

MEASURING DISPENSER

William S. Holesworth, Reno, Nev.

Application July 16, 1934, Serial No. 734,539

3 Claims. (Cl. 221—98)



1. A measuring and dispensing device for attachment to the mouth of a container, such device comprising an inner cup having a scoop therein, an outer cup having a portion radially spaced from the inner chamber, said scoop being in communication with the space between the cups by means of openings in the inner cup communicating with such space, each of said openings leading into corresponding measuring receptacles located in said space, a rotatable spout carried by the second cup and having an opening arranged to be registered in communication with any one of said receptacles.

2,006,020

PROCESS FOR PREPARING A SUBSTANCE DERIVED FROM AN AMINO ALIPHATIC ACID AND PHENYLQUINOLINE ORTHO-CARBOXYLIC ACID WHICH IS CAPABLE OF LOWERING THE URIC ACID LEVEL

Hirsch Gregor Jacubson, Berlin-Charlottenburg, Germany

No Drawing. Application December 29, 1933, Serial No. 704,594. In Germany January 2, 1933

6 Claims. (Cl. 260—39)

1. A method of preparing a body capable of depressing the uric acid level consisting in interacting in aqueous solution equivalent quantities of 2-phenylquinoline-4-carboxylic acid and monoethanolamine, adding to the resulting reaction liquid, which contains a lipoid-soluble amide of 2-phenylquinoline-4-carboxylic acid, an equivalent quantity of an aqueous solution of a water-soluble aliphatic amino carboxylic acid, and removing from the solution the complex amino acid derivative formed.

2,006,021

HORN AND HOWLER FOR MARINE AND NAVAL USE

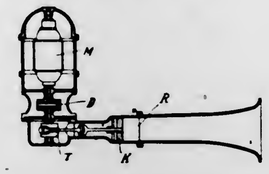
Theodor Jessen, Altona-Bahrenfeld, Germany

Application August 15, 1933, Serial No. 685,272

In Germany January 30, 1933

4 Claims. (Cl. 177—7)

1. A horn, comprising, in combination, a resonator providing an air column having a definite natural period of oscillation, a vibrating member disposed at the inner end of said resonator, means for vibrating said member continuously and at selectively variable rates into and out of the range of frequency that will produce an audible tone by resonance with said air column, said means being under the control of the operator of said horn and directly connected with said vibrating member, whereby an intermittently audible



signal may be produced without cessation of operation of said vibrating member.

2,006,022

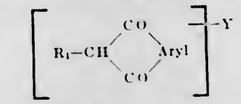
DYESTUFF OF THE QUINOPHTHALONE SERIES OF GOOD FASTNESS TO LIGHT

Georg Kränzlein, Frankfort-on-the-Main, Hans Schlichenmaier, Kelkheim in Taunus, and Ludwig Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

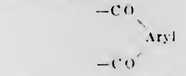
No Drawing. Application November 14, 1933, Serial No. 698,016. In Germany November 18, 1932

5 Claims. (Cl. 260—40)

1. The compounds of the general formula:



wherein R_1 represents a 3-hydroxy-quinolyl-radical bound in 2-positon,



represents the radical of an ortho-dicarboxylic acid of the benzene and naphthalene series and Y means that the compounds may be sulfonated.

2,006,023

MEDICINAL PREPARATION

Fritz Lange and Ludwig Taub, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 7, 1930, Serial No. 487,087. In Germany October 9, 1929

7 Claims. (Cl. 167—81)

1. Medicinal preparations comprising a liquid containing vitamine B, prepared by fermentation of a yeast extract containing a fermentable sugar by means of a strongly fermenting yeast at a temperature between about 15–30° C., said liquids being clear solutions of south wine coloration, being palatable, therapeutically valuable tonics and restoratives.

2,006,024

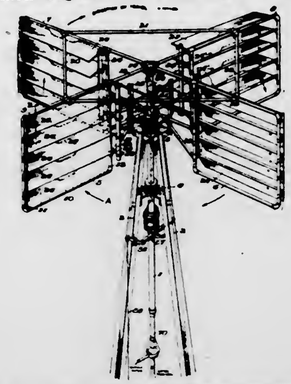
WINDMILL

Alvah M. Lockwood, Charlotte, Tex.

Application May 31, 1934, Serial No. 728,444

28 Claims. (Cl. 170—28)

1. A windmill comprising a rotatable shaft, a plurality of frame members carried by said shaft, a plurality of vane members carried by each of said frame members, means connecting the vane members of each of said frame members, and means interconnecting said vane connecting means and capable of rotating movement for



causing simultaneous swinging movement of said vane members.

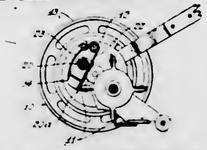
2,006,025

LAWN MOWER SHARPENING DEVICE

Martin Michalski, North Chicago, Ill.

Application August 10, 1932, Serial No. 628,253

1 Claim. (Cl. 51—246)



In a lawn mower comprising a frame structure, a brace bar carried thereby, and a bladed cutter mounted for rotation on the frame structure, a frame comprising a wall having a slot therethrough, two spaced flanges carried by said wall, a floor connected with the wall and said flanges, a roll of abrasive material mounted between said flanges, the web of said roll extending through the slot in said wall, the latter constituting a backing surface for the web projecting through the slot, hooks connected with said wall for connection with the brace bar, to hold the backing surface of said wall in operative relation with the bladed cutter, resilient means urging the wall in the direction of the bladed cutter, to support the abrasive lying against the backing surface in the path of the blades, and brake members carried by said floor for yieldingly resisting unwinding rotation of the roll of abrasive material.

2,006,026

UNIVERSAL JOINT

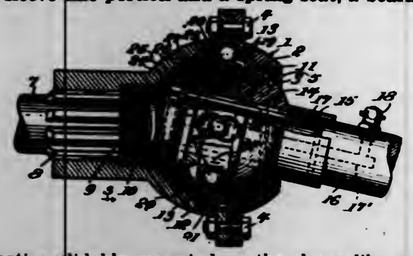
Gerhard J. Midthun, Lander, Wyo.

Application March 5, 1934, Serial No. 714,151

1 Claim. (Cl. 64—91)

A universal joint comprising a female element of substantially spherical shape and including detachable sections, means for connecting a shaft to said female element, a male element received within the female element and shaped to conform to the contour of the latter, means for connecting a shaft to the male element, said male and female elements having communicating pockets, and the pockets of both elements being of substantially S-shape, balls received by said pockets to establish a drive between the female and

male elements, a retaining ring for said balls, said male and female elements having communicating annular grooves to receive the retaining ring, said male element having a recess to form a sleeve-like portion and a spring seat, a bearing



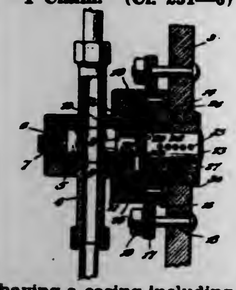
portion slidably mounted on the sleeve-like portion and having a recess to form a seat, a coil spring interposed between said seats to urge the bearing element in engagement with the female element.

2,006,027

FUEL-VALVE LOCK FOR MOTOR VEHICLES

Samuel Moore, Cleveland, Ohio, assignor of thirty-three and one-third per cent to Roger Price and thirty-three and one-third per cent to William Pierson, Cleveland, Ohio

Application July 6, 1933, Serial No. 679,245
1 Claim. (Cl. 251—6)



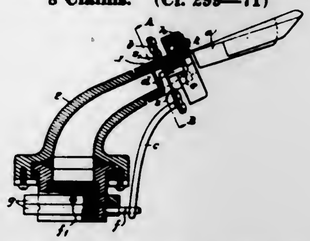
A valve having a casing including a cylindrical body open at one end, a valve plug rotatable in said body and having a neck projecting from the open end thereof, a cup-shaped boss surrounding said body in spaced relation to the open end thereof, the marginal wall of which projects beyond the open end of the body, the portion of the body projecting into the boss having its outer peripheral surface beveled to form a transversely tapered groove with the boss about the body, a disk threaded into the open end of the body and fitting snugly about the neck of the valve plug, packing means provided between the disk and body of the valve plug to form a tight joint, a cylindrical lock case having the inner end portion thereof fitting snugly into the boss and being internally beveled from its inner end to conform to and fit snugly within the groove, an annular flange surrounding said case and abutting the outer edge face of the marginal wall of the boss, fasteners for detachably securing the flange to said wall, the outer end portion of the neck of said valve plug extending into said lock case when the case is in place, a lock barrel fitted into said case through the outer end thereof and held against relative rotation therewith, a lock cylinder rotatably mounted in said barrel, and a disk at the inner end of said lock cylinder abutting the inner end of the barrel and engaging the neck of the valve plug to turn the valve plug when the lock cylinder is turned.

2,006,028

SPRINKLER

Alfred Netzband and Bruno Kowalski, Berlin-Spandau, Germany

Application February 6, 1934, Serial No. 709,978
In Germany November 25, 1931
8 Claims. (Cl. 299—71)



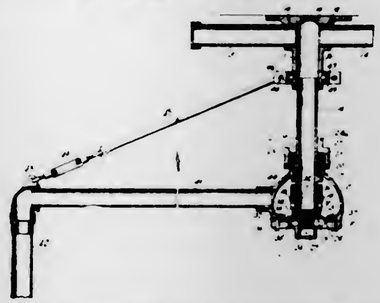
3. In a sprinkler, a rotary nozzle mechanism through which the jet is ejected, a rotatable element on the rotary nozzle mechanism, a baffle plate connected to said rotatable element having a reaction surface arranged to embrace and be impacted by the jet and adapted to drive the rotatable element, the rotary element being arranged coaxially to the jet, and means for periodically transmitting the reaction from the reaction surface of the baffle to the rotary nozzle mechanism in a direction to cause alternate rotation of said rotary nozzle mechanism.

2,006,029

VEHICLE WASHING APPARATUS

Henry Nichols, New York, N. Y.

Application December 5, 1932, Serial No. 645,868
5 Claims. (Cl. 251—8)



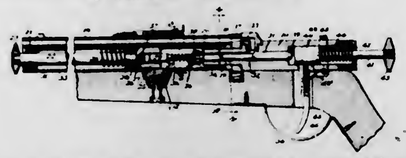
1. In a washing machine, a normally fixed supply conduit having a discharge end, a valve casing rotatively engaging said conduit and enclosing said discharge end, said valve casing having an outlet, a valve sleeve rotatively mounted on and enclosing the discharge end of said conduit, said valve sleeve having a closed end and also having outlet passages therein, means for preventing axial movement of said casing with respect to said conduit, means for so connecting the valve casing and the valve sleeve that rotative movement of said casing will impart corresponding rotative movement to the valve sleeve, means constructed and arranged to impart axial movements to said sleeve during rotation thereof in such manner as to move the closed end of the valve sleeve toward and from the discharge end of the conduit, and yieldable means located within said casing and constructed and arranged to normally press said closed end of the valve sleeve against the discharge end of the supply conduit.

2,006,030

PNEUMATIC RIFLE

Nathan H. Price, Birmingham, Ala., assignor of one-half to Grady Gillespie, Birmingham, Ala.

Application August 14, 1934, Serial No. 739,802
8 Claims. (Cl. 124—8)



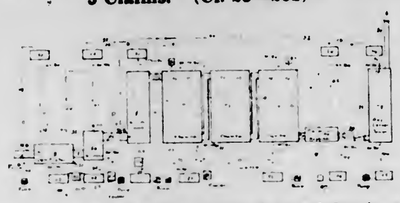
1. A rifle of the kind described comprising a gun stock, a gun body carried by the stock and having a rear portion forming a breech and a forward portion forming a pump including a cylinder, a discharge barrel superimposed upon said cylinder, tubular magazines arranged at opposite sides of the barrel and of less length than the latter, a revolving feed cylinder confronting the said barrel and magazines at their rear ends and having rearwardly tapered shot receiving openings uniformly spaced from each other in a circular trend for register with the said barrel and magazines, a tubular extension on the breech and rotatably supporting the feed cylinder, a block arranged within the pump to provide a compressed air chamber adjacent the breech and having an opening to the pumping side of said pump, an air pumping plunger fitted in said pump cylinder at the pumping side thereof, a valve seated in said block to close the opening therein, a breech nozzle leading from said tubular extension for discharging compressed air through the revolving feed cylinder into the discharge barrel, a push pin working in the tubular extension and having a valve for closing communication between the compressed air chamber and said nozzle, an expansion spring between the said valves to normally hold the same seated, a hammer acting upon said push pin and spring controlled, and a trigger cocking said hammer.

2,006,031

APPARATUS FOR THE MANUFACTURE OF SULPHURIC ACID

Erich Rothammel, Pforzheim, Germany, assignor to the firm Sulfurit S. A., Basel, Switzerland

Application April 5, 1929, Serial No. 352,844
5 Claims. (Cl. 23—261)



1. An apparatus for producing sulphuric acid by oxidizing SO_2-containing gases by means of nitrogen oxides in the presence of water, comprising a denitrator, an inlet conduit for SO_2-containing hot gases for said denitrator, at least one intake conduit for nitrous vitriol for said denitrator, at least one discharge conduit for denitrated vitriol from the said denitrator, a nitrator, a gas conveying conduit between the denitrator and the nitrator, at least one intake conduit for nitrous vitriol into the nitrator, at least one discharge conduit for nitrous vitriol from the nitrator, a Glover tower, at least one intake conduit for nitrous vitriol to said Glover tower, a device for spraying the hot ascending gases therein with nitrous vitriol, a gas inlet conduit between the nitrator and the Glover tower, a regulating element in this conduit, a pressure conduit for the gases extending into the gas inlet conduit and having an injector nozzle adapted to draw gases from the nitrator into the Glover tower at the nozzle inlet to the latter, a connecting conduit to subsequent treatment containers passing from the upper part of the Glover tower, a suction conduit from said connecting conduit, a single exhauster connected to the said pressure conduit and also to the said suction conduit, a regulating element on the exhauster for the aspirated and forced gas currents, at least one discharge conduit for nitrous vitriol from said Glover tower, at least two subsequent-treatment containers for the gases escaping from the Glover tower and not withdrawn by the suction conduit, at least one elevated and one low-lying supply vessel serving each treatment vessel in respect of the introduced and discharged liquids, and a Gay-Lussac tower for absorbing the remainder of the nitrogen oxides by means of nitrous vitriol.

2,006,032

BRIDLE BIT

Lilburn L. Rupert, Muskogee, Okla.

Application January 26, 1934, Serial No. 708,465
2 Claims. (Cl. 54—7)



1. A bit of the class described comprising a pair of side shanks, a cross piece having its ends integrally connected with the upper portions of the shanks, upper and lower rings connected with the ends of the shanks, a single substantially semi-circular member connected at its lower end to an intermediate part of the rear portion of each shank and its upper ends connected to the upper ring adjacent the point of connection of said ring with the upper end of the shank, the cross piece having its central part bowed upwardly, the lower parts of the shanks being bent slightly rearwardly, each shank being of substantially circular shape in cross section and the cross piece being of substantially circular shape in cross section, the shanks, the cross piece, the rings and the semi-circular members all being of hollow construction and formed of molybdenum chromium plated metal and all of the parts being integrally connected together, with the junction of the cross piece with the shanks being rounded outwardly to eliminate sharp corners.

2,006,033

HANGER

Charles E. Sharpe, Kenmore, N. Y.

Application April 25, 1933, Serial No. 667,873
Renewed November 21, 1934
2 Claims. (Cl. 211—32)

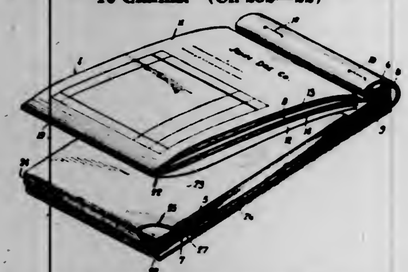
1. A hanger comprising connected diverging supporting members having their free ends flat-

tened, a hat engaging member formed integrally with the supporting members and including end



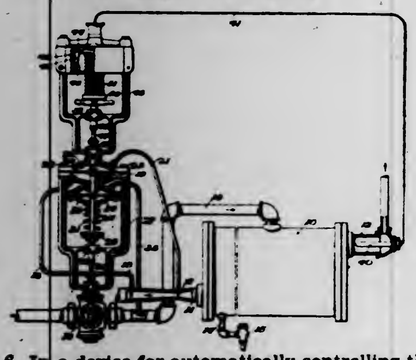
and side portions with said side portions curved towards each other and arcuately curved throughout their length.

2,006,034
MANIFOLDING RECORD BOOK
Gray Stevens, Weymouth, Mass., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application January 23, 1934, Serial No. 707,880
10 Claims. (Cl. 282—22)



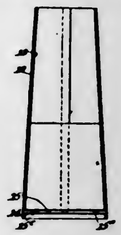
1. A single manifolding set including, in combination, a record leaf having an extension binding stub, record and transfer leaves positioned at both surfaces of the leaf with the stub and in manifolding transfer relation therewith and with each other, said record and transfer leaves at both sides of the leaf with the stub being attached to the latter leaf at the margin thereof opposite to said stub, and being otherwise free of attachment with said stub leaf and having free ends extending toward said stub.

2,006,035
WATER HEATER CONTROL
Alden D. Stewart, Knoxville, Tenn., assignor to The Fulton Syphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 20, 1932, Serial No. 623,676
25 Claims. (Cl. 236—20)



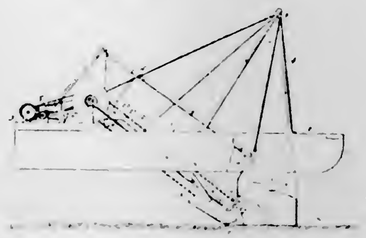
6. In a device for automatically controlling the flow of steam to an instantaneous water heater, in combination with the heater, its inlet and outlet water connections and its steam inlet, a valve in said inlet, and means for automatically controlling said valve including a pressure responsive element connected to points of differential pressure in said water connection and operatively connected to said valve, means responsive to variations in the steam pressure operatively connected to said valve, and a thermostat subjected to the temperature of the water in the outlet connections and operatively connected to said valve.

2,006,036
METHOD OF MAKING CONTAINERS
Herbert Maclean Ware, Northwood, England
Application January 4, 1933, Serial No. 650,151
In Great Britain January 14, 1932
2 Claims. (Cl. 93—36)



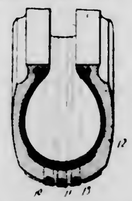
1. Method of making a container body of longitudinal tapering form from paper or the like which consists in forming a sheet into the shape of the body, temporarily holding together the opposed longitudinal edges of the so formed sheet so that the interior of the body is left open and passing the body through a bath of proofing medium so that the latter enters the interior of the body and exerts pressure against the said opposed edges of the sheet so that when the proofing medium sets these edges are sealed together and permanency is imparted to the body.

2,006,037
DREDGE AND DIVING BELL
Alvie C. Woodruff, Drewsey, Oreg.
Application June 12, 1934, Serial No. 730,330
2 Claims. (Cl. 37—56)



1. A device of the character set forth comprising a float, a derrick frame carried by said float, a diving bell movably connected to the float, a hoisting mechanism operating in connection with the derrick frame and connected to the bell for raising and lowering the latter, and a power driven endless conveyor movably mounted to the float and pivotally connected with the diving bell to move with the latter.

2,006,038
VEHICLE TIRE
Masuji Yamaki, Sanno, Omori-ku, Tokyo-shi, Japan
Application June 8, 1934, Serial No. 729,716
In Japan June 6, 1933
1 Claim. (Cl. 152—14)



A vehicle tire of resilient material comprising a plurality of coils of hard metal wire embedded along and underneath the tread surfaces or ridges thereof, the hollow space or core of each coil being filled with rough crystals of silica or similar material solidified by medium of binder to reenforce the strength of the coils and to stand against wearing of the tire.

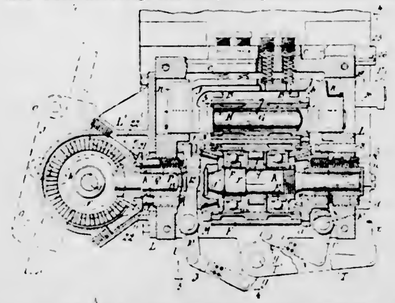
2,006,039
UNSYMMETRICAL DI-ALKYL OR ALKYL-ARALKYL DERIVATIVES OF RESORCINOL AND PROCESS OF MAKING SAME
William E. Austin, New York, N. Y., assignor to Redro Laboratories, Inc., a corporation of New York
No Drawing. Application September 14, 1932, Serial No. 633,086
7 Claims. (Cl. 260—154)

1. Diakyl resorcinols of the general formula $C_6H_2(OH)_2R'R''$ wherein R' and R'' represent different alkyls one of which contains three or more carbon atoms.

5. The process of forming unsymmetrical dialkyl or alkyl-aralkyl derivatives of resorcinol by treating resorcinol in the presence of a condensing agent with an acylating compound capable of yielding a substituting radical sought in the final product, thereafter treating the resulting substance in the presence of a condensing agent with an acylating compound capable of yielding a different substituting radical sought in the final product, and then reducing the resorcinol derivative so produced.

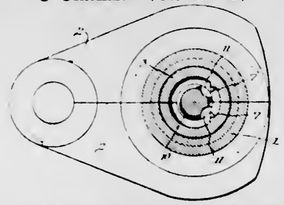
2,006,040
FEED FOR SHEET METAL WORKING MACHINES
Edward V. Crane, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application February 17, 1932, Serial No. 593,546
5 Claims. (Cl. 271—2.4)

1. A high-speed feeding mechanism for a metal working machine, comprising a feed-roll in the form of a hollow cylindrical shell, an oscillating driving means for said roll in the form of a shaft passing through and concentric with the shell, a one-way driving connection between said roll and its driving means including anti-friction bearings and a one-way clutch mounted in the annular space between the inner surface of the shell and the shaft, whereby the roll may be intermittently driven in one direction only, and friction braking means for said roll including a pair of elements in combination with means whereby they may be forced towards each other against the opposite end portions of the shell to render the braking means sufficiently effective on the roll, throughout substantially all of the retarded portion of each effective driving period of the roll-driving means, to prevent the over-



running of the roll during such periods, and means whereby the effectiveness of the brake-applying means may be varied to any desired extent throughout the accelerated portion of each such driving period to permit the roll to run substantially free.

2,006,041
GLASS BOTTLE MOLDING MEANS
Frank L. Darling, Baltimore, Md., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application March 16, 1931, Serial No. 523,124
8 Claims. (Cl. 49—9)



1. The combination with a neck ring for providing a finish for the necks of glass bottles having two opposed and circumferentially spaced, projections extending into the bore of the ring to form exterior depressions in the finish about the mouth of a bottle, of a neck pin adapted to be positioned in the bore of the neck ring and having longitudinally extending recesses of tapering depth formed in its outer surface in substantial alignment with each of said projections on the ring, for the purpose described.

2,006,042
SEAL
Emil Dietze, Richmond Hill, N. Y., assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application October 19, 1934, Serial No. 749,010
12 Claims. (Cl. 292—328)

9. A seal, comprising a body having laterally spaced vertically extending shackle leg receiving chambers open at their upper ends and each having laterally offset internal stop shoulders, a shackle loop having leg portions provided with lock spurs insertable in said chambers whereby said lock spurs snap beneath the stop shoulders thereof, and a button of compressible material engaged through said body and adapted to be de-

formed by compression, whereby, if compressed prior to insertion of the shackle, its shank will be

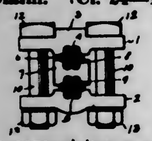


expanded so as to prevent insertion of said shackle and movement thereof into normal locked engagement with said body.

2,006,043
SYNTHETIC RESIN
Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1933, Serial No. 652,573
20 Claims. (Cl. 260—4)

1. The process of producing phenol-aldehyde resins which comprises condensing with an aldehyde a phenol containing an unsaturated open chain hydrocarbon substituent and having at least two of the readily reactive positions unsubstituted.

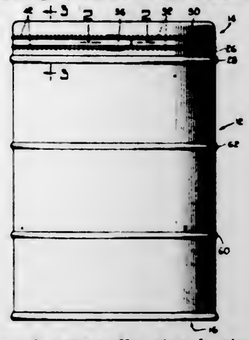
2,006,044
CABLE CLAMP
Jess W. Fowler, Houston, and Christie N. Baillio, Beaumont, Tex.
Application June 5, 1933, Serial No. 674,362
1 Claim. (Cl. 24—115)



A cable clamp comprising a pair of opposing, approximately rectangular clamp jaws, each jaw having an inwardly thickened longitudinal central portion, confronting seats in said thickened portions extending longitudinally from end to end thereof, each seat having parallel spiralled grooves, said seats and grooves being shaped to conform to the contour of and to snugly receive a wire cable, a spacer block between the jaws and approximately of the same length as the jaws, the opposite sides of the said block being provided with cable seats which confront the seats of the respective jaws and which are shaped to snugly receive a wire line, said jaws having marginal bearings, bolts fitted through the bearings of the respective jaws and having heads on one end and nuts on the other end, one of said clamp jaws having an external central longitudinal rib against which the bolt heads abut to maintain the bolts against turning.

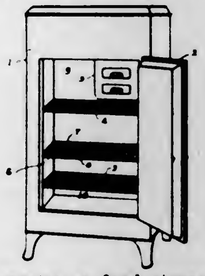
2,006,045
SHEET METAL CAN AND RIP STRIP THEREFOR
Arthur G. Hopkins, Maspeth, N. Y., assignor to National Can Company, a corporation of Delaware
Application July 27, 1932, Serial No. 625,090
3 Claims. (Cl. 220—54)

1. A sheet metal container comprising a wall provided with a rip strip, said rip strip being defined by a pair of parallel score lines extending around the wall and further including means to prevent tearing, said means consisting solely of



a plurality of outwardly struck simple smooth elongated continuous beads or channels extending around the wall in parallel relation to the score lines and within the said score lines.

2,006,046
SHUTTER TYPE PARTITION FOR REFRIGERATORS
Norman C. Huckestein, Pittsburgh, Pa.
Application May 2, 1932, Serial No. 608,588
1 Claim. (Cl. 62—47)



In a refrigerator, a food storage chamber, a partition dividing said chamber into upper and lower compartments, said partition consisting of a perforated shelf insulated from the walls of said chamber to make an air tight joint with said wall, a freezing unit in the upper compartment and a shutter for opening and closing the perforations of the partition, said shutter when closed providing circulation of the cooling medium in the upper compartment only and, when opened, providing circulation of the cooling medium in both compartments.

2,006,047
CLASP OR CONNECTER FOR WATCH BRACELETS AND THE LIKE
Sylvester A. Johnson, North Providence, R. I., assignor to A and Z Chain Company, Providence, R. I., a corporation of Rhode Island
Application October 24, 1933, Serial No. 694,953
13 Claims. (Cl. 24—71)

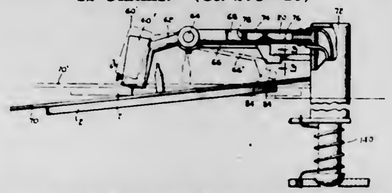
1. In a device of the type indicated, the combination of a channel-shaped clasp-member providing opposite parallel faces with a space therebetween, an adjusting member slidable in the space between the opposite faces of the clasp-member and having opposite faces for frictional engagement therewith, and means for expanding

the adjusting member to frictionally grip the spaced faces on the clasp-member whereby the



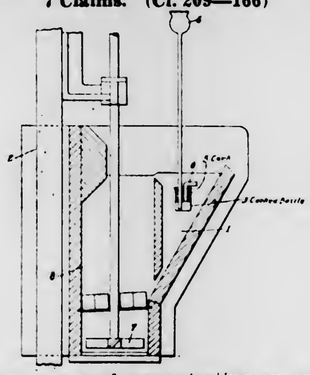
adjusting member may be locked in any position throughout the length of the clasp-member.

2,006,048
PHONOGRAPH
Lester L. Jones, Oradell, N. J., and Thomas E. Piazze, Brooklyn, N. Y., assignors to Technidyne Corporation, New York, N. Y., a corporation of New York
Application January 8, 1930, Serial No. 419,265
12 Claims. (Cl. 274—10)



3. An automatic phonograph comprising a reproducer, a horizontally reciprocable reproducer arm for carrying said reproducer, said arm being articulated at an intermediate point in order to permit of oscillation of the reproducer toward and from the record, a turntable, means to raise the turntable and a record carried thereby into playing contact with the reproducer, and means for locating the reproducer near the periphery of the record comprising a stop on the phonograph chassis and means on the articulated portion of the reproducer arm extending rearwardly therefrom for engaging the stop when the reproducer arm moves to a level lower than when resting on a record, said means being moved below and disengaged from the stop when the reproducer arm is moved upwardly by a record to be played.

2,006,049
CONCENTRATION OF ORES BY FLOTATION
Cornelius H. Keller, San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
Application July 27, 1932, Serial No. 624,965
7 Claims. (Cl. 209—166)



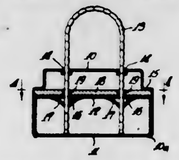
1. The process of concentrating an ore which consists in dispersing in an alkaline ore pulp, an appreciable amount of separately prepared free xanthic acid but in a proportion of less than 0.05 pound per ton of solids in the pulp, agitating such pulp with a further agent such as will produce a floating concentrate, and separating the float.

2,006,050
EXTENDIBLE CLASPING DEVICE FOR WATCH-BRACELETS AND THE LIKE
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application May 25, 1933, Serial No. 672,742
17 Claims. (Cl. 24—71)



1. In a device of the type specified, the combination of a member adapted for connection to one end of a bracelet, a second member slidable on the first member and adapted to be connected to the opposite end of the bracelet, ratchet means on one of said members, latch means on the other member engageable with the ratchet means for retaining the members in adjusted relationship, and means slidable longitudinally of said members to release the latch means from the ratchet means.

2,006,051
SEAL
Frank Keidel, Elmhurst, N. Y., assignor to The International Seal and Knot Protector Co., New York, N. Y., a corporation of New York
Application June 21, 1934, Serial No. 731,611
4 Claims. (Cl. 292—328)

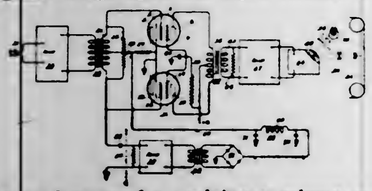


2. A seal including a hollow body having apertures in one wall thereof, and a shackle having legs adapted to pass through said apertures and abut the opposite wall, a plate within the body and having resilient portions to prevent the withdrawal of the shackle legs therefrom, and a separate hard substantially inflexible metal plate also within the body to prevent twisting of the shackle legs therein, said shackle being of flexible wire and of non-circular cross-section, and said plate having shackle legs receiving apertures therein of a cross-section corresponding to the cross-section of the legs.

2,006,052
AMPLIFIER
Barton Kreuzer, Rockaway Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1933, Serial No. 691,596
17 Claims. (Cl. 179—171)

2. An audio-frequency amplifier comprising a pair of exponential electric-discharge tubes connected in balanced relation, means for impressing

a signal voltage upon the input circuit of said



tubes, and means for applying a volume control voltage to the grids of said tubes.

2,006,053

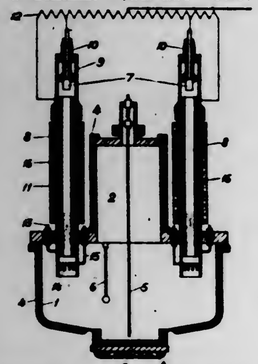
GASEOUS DISCHARGE CONVERTER

Uno Lamm, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden

Application July 3, 1933, Serial No. 678,987

In Sweden July 4, 1932

6 Claims. (Cl. 250—27.5)



1. In gaseous discharge converters using gas of low pressure as a conducting medium, a gas receptacle, a cathode therein, tubes of insulating material projecting from said receptacle, anodes in the outer ends of said tubes, and conductors extending longitudinally inside said tubes having a sufficient resistance for supporting between their ends practically the maximum potential difference between anode and cathode without being overheated.
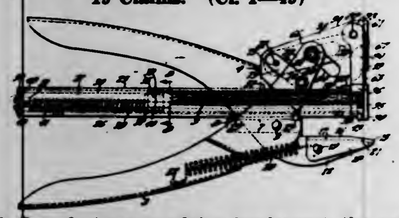
2,006,054

FASTENER-APPLYING IMPLEMENT

Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine

Application May 5, 1933, Serial No. 669,485

19 Claims. (Cl. 1—49)



1. In a fastener-applying implement, the combination of a pair of pivoted plier-handles, a reciprocable driver for driving the fasteners into the work, a lever pivoted at one end and connected at its opposite end to the driver, and means on one of the handles engaging the lever at a point intermediate its ends and slidable longitudinally thereon to rock the lever to reciprocate the driver.

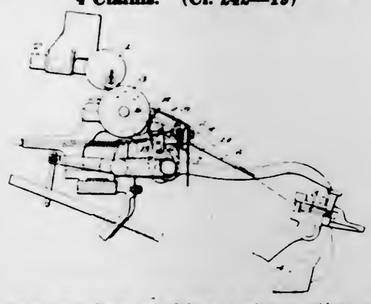
2,006,055

LAP ARRESTER FOR WINDING MACHINES

John O. McKean, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts

Application June 20, 1933, Serial No. 676,621

4 Claims. (Cl. 242—19)



1. In a winding machine, a stop motion cover, means pivoted to the under side of the stop motion cover, said means having a roughened portion adapted for contact with a lap, and a thread-severing means carried by said means.

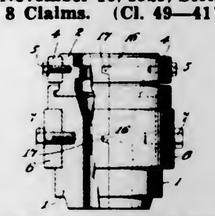
2,006,056

RING HOLDER LOCK

William L. McNamara, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a corporation of Delaware

Application November 16, 1929, Serial No. 407,630

8 Claims. (Cl. 49—41)



1. In a device of the class described, the combination of a pair of members pivoted together about a vertical axis to swing in a substantially horizontal plane and adapted to extend about and support a split ring associated with a glass mold, the free end of one of said members having a groove at the outer periphery thereof, the other of said members having a horizontally extending tongue thereon and in a direction transversely of the axis of the pivot whereby said tongue and groove co-operate with each other to lock said split ring accurately in position when it is closed to prevent relative vertical movement therebetween.

2,006,057

VULCANIZATION OF RUBBER

Alfred J. Northam, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 22, 1933, Serial No. 686,249

14 Claims. (Cl. 18—53)

1. The method of treating rubber which comprises incorporating in a rubber mix, prior to vulcanization, a small amount of a thiuram polysulfide accelerator derived from a secondary amine, together with a small amount of a thiuram monosulfide accelerator derived from a secondary amine.

2,006,058

PROCESS OF MAKING AMINES AND DIAMINES AND PRODUCTS OF SAID PROCESS

John F. Olin, Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 14, 1931, Serial No. 537,481

10 Claims. (Cl. 260—127)

1. A composition of matter comprising essentially the isomeric primary amyl amines formed as the reaction product between ammonia and the mixture of chlorpentanes derived from direct chlorination of pentanes with heat.

6. A method of making lower alkyl amines that favors the formation of poly-alkyl amines which comprises heating alkyl chloride with ammonia in less amount than about twice the theoretical amount required to react with the alkyl chloride and with an inorganic base capable of forming substantially irreversible salts, and recovering the alkyl amines resulting from the reaction.

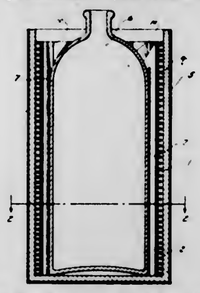
2,006,059

HEATER

Dagobert W. Rudorff, Berlin-Wannsee, Germany

Application May 23, 1933, Serial No. 672,383

9 Claims. (Cl. 219—43)



1. In apparatus of the class described and intended for heating an article, the combination of a metallic container into which the article may be placed, means to heat the walls of the container externally, and resilient heat transmitting elements adapted, when the article is placed in the container, to engage the inner wall of the container and the article to be heated.

2,006,060

SIFTPROOF PACKAGE AND METHOD OF MAKING THE SAME

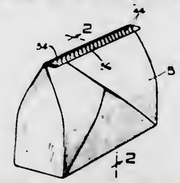
Theodore Schilder and Gustav Erlemann, New York, N. Y., assignors to Fred Goat Co., Inc., New York, N. Y., a corporation of New York

Application January 21, 1933, Serial No. 652,848

19 Claims. (Cl. 229—62)

1. A finished bag, the said bag in finished state having bottom and side walls, the top of said bag being gathered and folded with a double fold, the inner fold bringing the gathered material in a generally horizontal plane, and the outer fold causing the outer portion of the gathered material to be bent back upon itself, the thus folded gathered material being secured together and the outer fold locked by a series of indentations or perforations in the reversely folded material.

8. A package comprising a carton and a bag carried therewithin, said bag having bottom and side walls, the top of the bag being gathered to-



gether and bent horizontally at an inner fold, and the horizontally extending material being upwardly and reversely bent to form an outer fold, the carton being dimensioned in a vertical direction to just receive the bag with its folded top, whereby the bag is held in closed condition by the carton.

2,006,061

LIGHTER

Ralph H. Segal and Theodore I. Segal, Brooklyn, N. Y.

Application January 15, 1934, Serial No. 706,751

7 Claims. (Cl. 67—7)



1. A lighter comprising a pair of telescopicable receptacles, outer and inner respectively, the inner receptacle having a chamber, a catalyzer fixed in said chamber, the outer receptacle having an opening to the atmosphere, said opening registering with said chamber only when the receptacles are telescoped, said inner receptacle adapted to hold vaporizable fuel, means of communication between the inner and outer receptacles for the vapor to expand when the receptacles are urged apart, and means of communication between said inner receptacle and said chamber to impart the vapor to the catalyzer when the receptacles are telescoped.

2,006,062

SAFETY RAZOR

Nicholas Testi, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

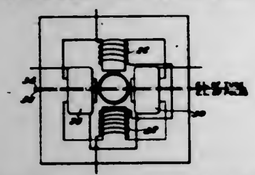
Application April 17, 1931, Serial No. 530,809

4 Claims. (Cl. 30—12)



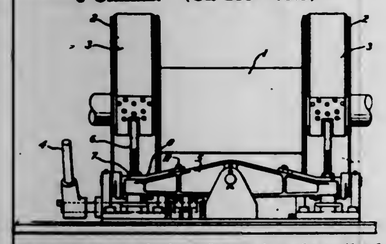
1. An adapter for safety razors having guard teeth, comprising a plate member provided with means for engaging the outer portion of the guard teeth of the razor, and means on the perimeter of said plate member for guiding both transversely and longitudinally into shaving position within the razor, a blade having a large internal clearance aperture, said adapter being box-shaped and thus designed for external contact only with the razor, whereby the adapter may be readily removed from the latter when the elements thereof have been assembled.

2,006,063
CATHODE RAY APPARATUS
Arthur W. Vance, Camden, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 15, 1932, Serial No. 637,885
3 Claims. (Cl. 250—27.5)



1. Cathode ray apparatus comprising screen structure, means for developing a ray of electrons and directing the ray at one side of said structure, and means for deflecting said ray to cause the same to scan said structure, said deflecting means comprising coils disposed respectively on opposite sides of the axis of said ray-developing means, the turns of one coil being substantially greater in number than the turns of the other coil.

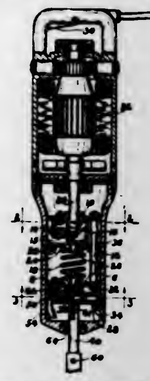
2,006,064
NUT LOCK DEVICE
Forrest J. Young, Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application September 18, 1933, Serial No. 689,941
6 Claims. (Cl. 188—79.5)



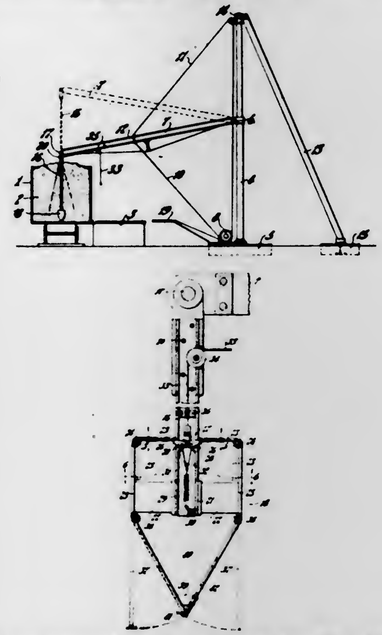
1. In a device of the character described, the combination of a drum, a brake rim non-rotatively mounted relative to said drum, releasable frictional brake means operatively associated with the brake rim to arrest the rotation thereof, an adjusting means for the brake means including a rotatable member, detachable means having a handle extension adapted in one position to engage the rotatable member to hold the same in adjusted position, and means to releasably hold said detachable means in said position, said detachable means upon being released from the first position being adapted upon manual actuation to impart rotation to the rotatable member.

2,006,065
PORTABLE POWER HAMMER
Joseph H. Blake, Seattle, Wash.
Application January 27, 1934, Serial No. 708,682
4 Claims. (Cl. 255—42)

1. In a power hammer the combination with a housing, a rotary cam shaft journaled therein, an arcuate cam of said shaft, and operating means for the shaft, of a reciprocable striking assembly mounted in the housing having a cam roller in the path of the cam, a spring for actuating the assembly, a striker mounted in the assembly, a ratchet device connected to the striker, a spring pressed cam arm for actuating the ratchet, and a cam arm reciprocable with the striking assembly for actuating the pivoted cam arm.

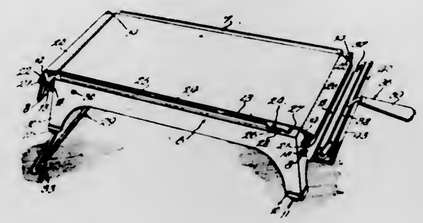


2,006,066
METHOD OF AND APPARATUS FOR SAMPLING ANTHRACITE COAL
Arthur N. Brooks, West Springfield, Mass.
Application February 2, 1935, Serial No. 4,678
4 Claims. (Cl. 214—17)



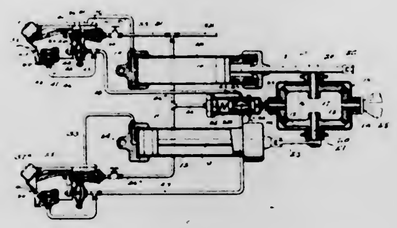
1. In combination, in an apparatus for obtaining a sample of material for the purpose described, a receptacle, pivotally attached closure means connected to the lower edge of the receptacle, means for normally closing the said closure means, pivotally connected closure means at the upper edge of the receptacle which is in normally closed position, means for inserting the receptacle into a mass of material, means for opening the closure means at the upper edge of the receptacle to allow the material to enter the receptacle, and means for withdrawing the filled receptacle from the mass of material.

2,006,067
DUPLICATING MACHINE
Frank Chesley, Cincinnati, Ohio
Application December 2, 1933, Serial No. 700,693
7 Claims. (Cl. 101—131)



1. In a duplicating machine, a table, a printing element mounted on said table, an adjustable stand for said table pivoted at the rear end thereof, said table including a downwardly extending flange at its rear end, and said stand engaging said flange for limiting rearward swinging movement of the stand, whereby the stand supports the rear end of the machine in elevated position.

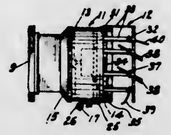
2,006,068
GARMENT OR IRONING PRESS
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application April 6, 1928, Serial No. 267,981
Renewed September 2, 1932
32 Claims. (Cl. 68—9)



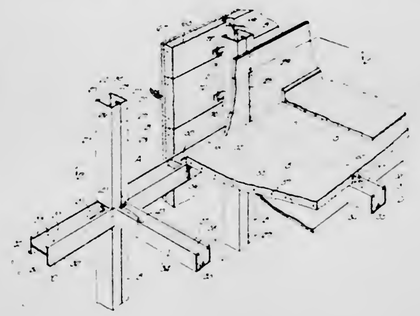
7. An actuating mechanism for pressing machines comprising a driven member, a pair of actuators, motion transmitting means between the actuators and the driven member to transfer and equalize the movement of the actuators to the driven member, and operator-operated means individual to the actuators for controlling the actuation of each.

2,006,069
AIR CIRCULATING APPARATUS
Fred J. Day, Los Angeles, Calif.
Application April 24, 1933, Serial No. 667,644
3 Claims. (Cl. 98—7)

1. In a refrigerator car, an air circulating unit comprising a casing having a fan therein, means to support said unit on the wall of the ice bunker of said car to direct the upper portion of the air current from said fan longitudinally of said car, there being an air space immediately below said unit and adjacent to the wall of the ice bunker, and a series of vertically arranged adjustable air deflector plates carried by the front portion of said unit, said deflector plates being located between the bunker wall and the central portion of the car, the lowest plate of said series having its lower portion inclined rearwardly toward the bunker wall and being adjustable to a position wherein it directs backwardly under said unit and diagonally against said wall the lower portion of the air current from said fan.

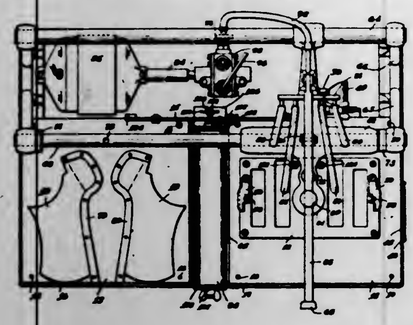


2,006,070
BUILDING CONSTRUCTION
Joseph Di Stasio, Newark, N. J.
Application January 8, 1934, Serial No. 705,754
5 Claims. (Cl. 72—1)



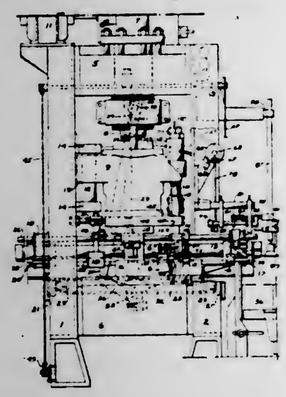
1. In a structure of the type described, a hollow metallic column member adapted to receive plastic molding material, said column being provided with openings in its side walls, supporting projections struck from the side walls of said hollow columns, hollow metallic beam members having closed ends provided with openings adapted for registration with the openings in the columns when the beam members are in position thereon, means projecting from the sides of said column members for supporting the beam members in position, means passing through the registered openings in columns and the closed ends of the beam members for securing the beam members to the column members, said last mentioned means comprising strips of metal extending substantially into the column members and into the beam members for anchoring in the plastic material, a projection on each strip, an opening through each strip, and a wedge member through the opening of the strip to clamp the column member and the beam member between the wedge and the projection on the fastening means.

2,006,071
ASSEMBLING MACHINE
Herbert E. Edwards, Brookline, Mass.
Application July 6, 1931, Serial No. 548,745
28 Claims. (Cl. 12—52)



1. In an assembling machine, the combination with means for supporting separately the parts to be assembled, of means having continuous suction for assembling the parts.

2,006,072
BLANKING PRESS
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 20, 1933, Serial No. 671,953
10 Claims. (Cl. 164—20)



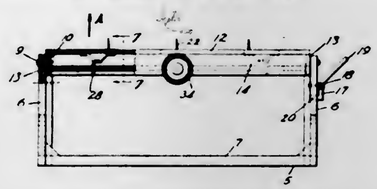
1. A blanking press, comprising feed mechanism for feeding a strip of work step by step through the press, a stationary die and a movable die arranged upon opposite sides of the path of said strip, means for reciprocating said movable die toward and from said stationary die to enable said dies to form blanks in succession from said strip, a shear arranged at a given distance from said dies and having one of its blades fixed in a stationary position, and means responsive to the end of said strip reaching a given position relative to said dies for effecting operation of said shear to cause it to trim from the trailing end of said strip that part which would partly overlie said stationary die during a succeeding reciprocation of said movable die.

2,006,073
IMPROVED WRENCH
Herbert W. Harrer, New Washington, Ohio
Application January 16, 1934, Serial No. 706,808
Renewed February 4, 1935
2 Claims. (Cl. 81—127)



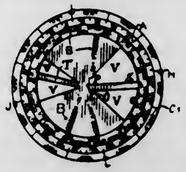
2. A wrench comprising a fixed jaw, a movable jaw, shanks extending at right angles to said jaws and slidably connected together, a slot extending longitudinally of the movable jaw shank having ratchet teeth along its upper edge, a handle having a bifurcated end straddling said shanks and pivotally connected to said fixed jaw, a yoke disposed in the base of the bifurcation of the handle and straddling the shank of the movable jaw, a pin extending through said yoke and slot of the movable jaw, a pin extending through said yoke and slot of the movable jaw shank having its ends movably mounted in slots in the walls of the bifurcation, a stem depending from said yoke through an opening in said handle, a coil spring mounted on said stem normally holding said pin in engagement with said ratchet teeth and a lever pivotally mounted in said handle and connected to said stem, for actuating said yoke to release said pin from engagement with said ratchet teeth.

2,006,074
CUTTING TABLE
Robert B. Knight and Laskar Kahn, Denver, Colo., assignors to The Colorado Bedding Company, Denver, Colo.
Application May 15, 1934, Serial No. 725,747
5 Claims. (Cl. 164—78)



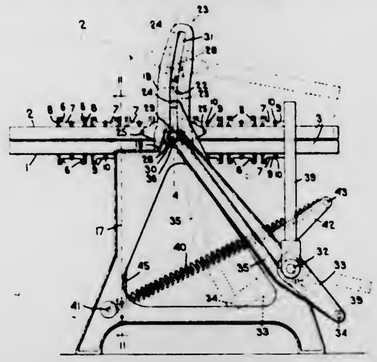
1. A cutting table comprising a top, slides movable along an edge thereof, upwardly projecting pins carried by the slides, and mechanism for moving the slides to vary the distance between their pins, including screw-shafts beneath the top, in driving relation to the slides, a drive shaft, and gearing for rotation of the screw-shafts by rotation of the drive shaft.

2,006,075
STAR AND TIME FINDER
Benjamin F. Lofgren, Salt Lake City, Utah
Application June 26, 1933, Serial No. 677,590
4 Claims. (Cl. 35—3)



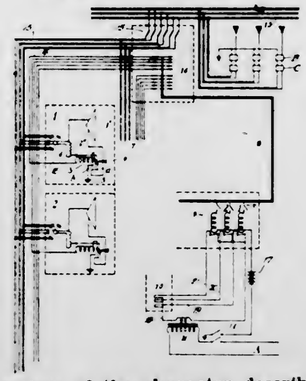
1. In a device as described, a circular plate containing a concentric circle marked to represent the hours in a day, a large part of said plate being cut away about the center, in combination with a second plate containing markings about a central point which represent various heavenly bodies about the celestial axis in their relative angular positions known as right ascension and containing a circle marked to represent the days in a year, a part of said second plate being cut away near the central point in the position which represents Polaris and parts cut away so as to leave visually distinguishable in star light a spoke along the radius which represents the right ascension of a particular bright star, a plumb-line suspended from the central point of said second plate, means to attach said plates so they are relatively rotatable, and a marker which shows the angular position of the first said plate in relation to said second plate.

2,006,076
MATTRESS-TUFTING DEVICE
Wilfred B. Mathewson, North Weymouth, Mass., assignor to United Mattress Machinery Company, Quincy, Mass., a corporation of Maine
Application February 20, 1934, Serial No. 712,201
12 Claims. (Cl. 112—3)



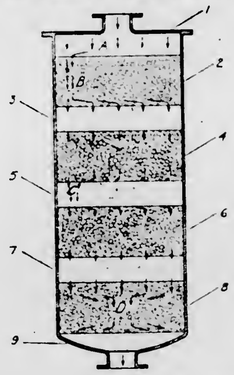
1. A mattress-tufting device comprising a supporting frame, two compressing members between which the mattress is compressed, a rock shaft journalled in the supporting frame below the compression members, two arms fast on the rock shaft, links connecting the arms to the ends of one of said compressing members at the central portion thereof, means to rock the rock shaft thereby to move the latter compressing member toward and from the other compressing member, and means to guide the movable compressing member in its movement.

2,006,077
CENTRALIZED RADIO SYSTEM
Burt E. Moritz, Jr., Denver, Colo., assignor to K. G. M. Radio Corporation, Denver, Colo., a corporation of Colorado
Application September 3, 1932, Serial No. 631,695
2 Claims. (Cl. 179—7.1)



1. A system of the character described comprising a central station having units for receiving a plurality of programs simultaneously, a plurality of subscriber's stations each including a selector for selectively connecting it to said units, a control connector individual to each subscriber's station for connecting the subscriber's station to the central station, and a metering device actuated by the control connector for recording the time of connection between the subscriber's station and the central station, said selector being operable to temporarily break connection with the central station in transferring the subscriber's station from one unit to another without stopping the metering device.

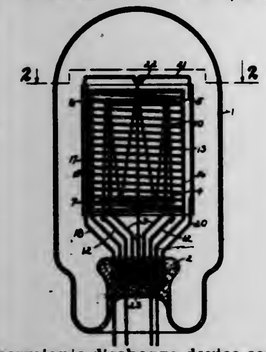
2,006,078
CATALYTIC CONVERTER
Ewald Pyzel, Pittsburg, Calif, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 23, 1932, Serial No. 600,668
3 Claims. (Cl. 23—288)



1. A catalytic converter for the synthesis of gases under high pressure comprising a converter shell, at least three alternate layers of coarsely divided uniform catalyst and finely divided uniform catalyst of the same chemical

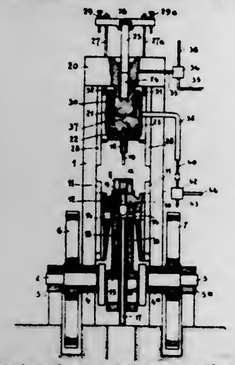
composition, said layers of catalyst being arranged transverse to the gas flow through said converter and in contact with one another.

2,006,079
THERMIONIC TUBE
Frederick E. Terman, Stanford University, Calif.
Application June 22, 1931, Serial No. 546,024
4 Claims. (Cl. 250—27.5)



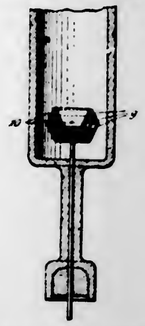
1. A thermionic discharge device comprising an anode, a filamentary cathode disposed to enclose a central space, and a filamentary electrode mounted within the space and connected to said anode.

2,006,080
EXTRUSION PRESS
Adolf Wefing, Witten-Ruhr, Germany, assignor to Tubus A. G., Zurich, Switzerland
Application March 7, 1934, Serial No. 714,421
In Germany December 12, 1931
10 Claims. (Cl. 207—3)



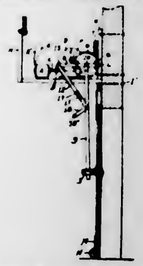
1. In an extrusion press, a vertical frame, an upper male extruding tool, a lower carrier member supporting a billet- and die-container and provided with a longitudinal bore for extrusion of a billet therethrough, said tool and carrier member being mounted in the frame for reciprocation relative to each other, a pair of crank shafts mounted in the frame below the carrier member with their crank pins coaxially aligned, a hollow connecting rod connected to said carrier member and cranks, the bore of the connecting rod being aligned with that of the carrier member and the connecting rod being provided with a slot through one side, thereby providing a passageway for the extruded article, driving means for said cranks, and auxiliary driving means for said male tool.

2,006,081
ELECTRODE FOR VAPOR ELECTRIC DEVICES
William T. Anderson, Jr., and Lester F. Bird, Newark, N. J., assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application March 2, 1934, Serial No. 713,630
7 Claims. (Cl. 176—122)



1. A self-heating incandescent activated electrode for vapor electric discharge devices comprising at least two pieces of core metal, a layer of a material of variable heat conductivity comprising a metallic compound of the group including aluminum, zinc, and zirconium, separating the core pieces substantially throughout their area in such a way that when the electrode structure is cold, heat is poorly conducted from one piece of the core metal to another piece of the core, and so that heat is readily conducted between the parts of the core materials when the electrode is at an elevated temperature to provide a self-regulating temperature control for the portion of the electrode that is exposed to electronic or molecular bombardment by an automatically effective increase in the radiation surface and mass of the electron emissive surface, and means to electrically connect the parts of the laminated core structure.

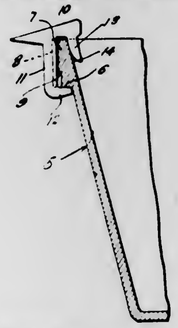
2,006,082
DOOR OPERATING MECHANISM
James E. Bancroft, Richmond, Ind., assignor, by mesne assignments, to The Richmond Fireproof Door Company, Richmond, Ind., a corporation of Indiana
Application August 17, 1934, Serial No. 740,207
6 Claims. (Cl. 268—74)



1. In a door operating mechanism, the combination of a motor driven speed reducer having a gear wheel actuated thereby, a main bar member rigidly secured to said gear wheel, a radius rod pivotally secured at its upper end to the main bar member and in alignment with the center of said

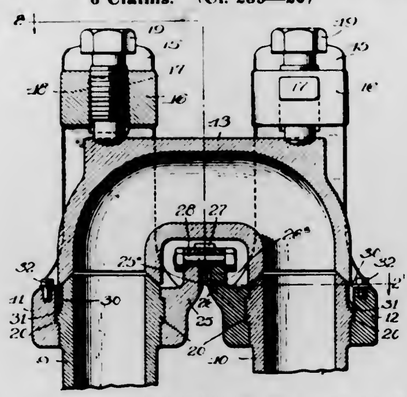
gear wheel, with a connecting bar having one end thereof pivotally secured to one end of the main bar member, a lever member having an aperture formed through the vertex thereof and adapted to be held in pivoted relation to the radius rod through said aperture, a break joint formed by the lever member and the connecting bar, said break joint providing means for releasing a door from its power operating unit without disconnecting any of the pivoted joints.

2,006,083
TURPENTINE CUP AND HANGER THEREFOR
Cornelius Warren Dixon, Jacksonville, Fla., assignor to Claude A. Tompkins, Jacksonville, Fla.
Application May 1, 1933, Serial No. 668,855
2 Claims. (Cl. 47—11)



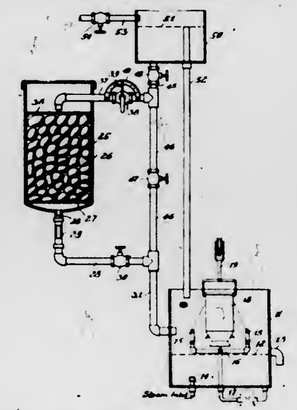
2. A turpentine cup provided exteriorly adjacent its upper end with vertically spaced and alined shoulders, and a lug projecting from the cup with its lower edge coincident with the lower shoulder, said lug having a central vertical groove in its outer side extending across the upper shoulder and having its lower end in the plane of the lower shoulder.

2,006,084
REFINERY FITTING
Clarence B. Harbison, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application January 13, 1934, Serial No. 706,464
6 Claims. (Cl. 285—20)



1. In a return bend fitting, two housing parts each having an annular base, a pair of tubes each having one end extending through one of said bases and detachably securable therein by a bayonet joint, said bases being rotatable with respect to each other while in normal spaced relation on their respective tubes, but having means detachably connecting said housing parts together, a U-bend, and means carried by said housing parts for securing said U-bend in pressure-tight engagement with said tube ends.

2,006,085
WASHING APPARATUS
Henry W. Lehmkuhl, Rochester, N. Y.
Application April 1, 1933, Serial No. 663,987
4 Claims. (Cl. 141—7)

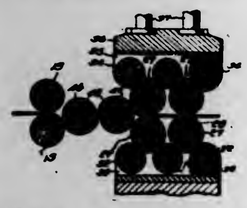


1. Washing apparatus of the type including a receptacle for holding a supply of alkaline washing water the alkalinity of which tends to decrease in use, comprising in combination a container, a supply of soluble alkaline material within said container, conduit means connecting said container to said receptacle and providing a free outflow for liquid within said container, a water supply tank for holding water at a substantially constant level above said alkali container, supply conduit means for supplying water from said tank to said container at a point above said alkaline material, so that said water may flow downwardly over said alkaline material to form an alkaline solution flowing thence through said outflow conduit means to said receptacle, and graduated regulating valve means in said supply conduit means for regulating the amount of water supplied to said container to control the amount of alkaline solution flowing to said receptacle.

2,006,086
METHOD OF CARRYING OUT OXIDATIVE FERMENTATIONS BY MOLDS OR FUNGI
Orville E. May, Chevy Chase, Md., Horace T. Herrick, Washington, D. C., Andrew J. Moyer, Takoma Park, Md., and Percy A. Wells, Ballston, Va., assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America
No Drawing. Application August 24, 1934, Serial No. 741,294
6 Claims. (Cl. 260—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

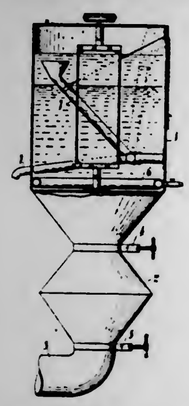
1. A process for carrying out oxidative fermentations of glucose by submerged growths of fungi under superatmospheric pressure of gases containing substantial quantities of oxygen.

2,006,087
APPARATUS FOR WORKING SHEET METAL
Ralph J. Miller, Youngstown, Ohio, assignor to The McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application May 3, 1930, Serial No. 449,609
18 Claims. (Cl. 153—54)



1. Apparatus of the character described comprising upper and lower feed rolls, upper and lower pulling rolls spaced from said feed rolls and defining therewith a path of travel for a sheet passing between said rolls, means for driving all of said rolls whereby said pulling rolls rotate at a greater rate of speed than said feed rolls, sheet working members arranged between said feed rolls and said pulling rolls respectively above and below the normal path of travel of the sheet, and means for projecting said sheet working members through the normal plane of the sheet to an equal extent on opposite sides thereof.

2,006,088
METHOD OF SEPARATING OIL FROM FULLER'S EARTH OR SIMILAR MATERIAL
Edward Ross Mitchell, Sarnia, Ontario, Canada, assignor of one-half to Russel Kendall, Sarnia, Ontario, Canada
Application November 10, 1932, Serial No. 642,047
1 Claim. (Cl. 196—147)



A method of separating oil from fuller's earth, clay or similar material, which comprises mixing in a suitable vessel the oil impregnated material with a briny solution, heating said mixture to substantially the boiling point of the brine solution, the salt forming from substantially 4–6% of the mixture, and allowing said mixture to settle to permit the material to deposit in the bottom of the vessel and the oil to float on the briny solution; and removing the material from below the briny solution.

2,006,089
TURPENTINE CUP AND SECURING MEANS
Claude A. Tompkins, Jacksonville, Fla.
Application June 23, 1933, Serial No. 677,278
2 Claims. (Cl. 47—11)



1. A hanger for a turpentine cup comprising a flat elongated horizontal section having a pointed end, a short arm extending vertically downward therefrom, and an intermediate long arm in spaced parallel co-directional relation with the short arm, said long arm having a horizontal lug at its lower end extending toward the short arm.

2,006,090
EXPLOSIONPROOF CABLE CONNECTER
Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application February 7, 1935, Serial No. 5,501
5 Claims. (Cl. 247—18)

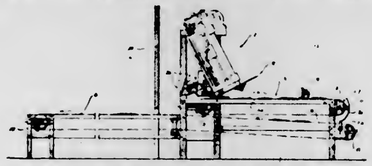


1. A device for making an explosion-proof connection between a cable and a switch box or the like, comprising a casing, means to connect a cable to the casing with its conductors extending into and terminating within the casing, a coupling sleeve adapted at one end to be connected to the casing and at the other end to said box, short wires within and extending through the sleeve, said wires projecting beyond the ends of the sleeve into the casing and the box, respectively, and a sealing medium in the sleeve around the wires and forming an effective barrier to the passage of fluids or flame between the box and the casing.

2,006,091
CONVEYER
Charles T. Walter, Chicago, Ill., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application April 11, 1932, Serial No. 604,361
9 Claims. (Cl. 146—94)

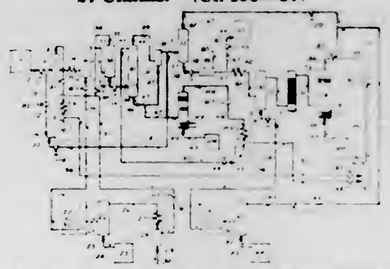
1. The combination with an inclined slicing machine of an initial receiving conveyer having a series of transversely spaced endless conveying and supporting elements each providing top lobes that travel longitudinally in a forward horizontal path towards an inverting mechanism, said inverting mechanism and means comprising an endless final receiving conveyer having a top lobe that travels rearwardly and in a longitudinal direction beyond the rear end of the initial receiving conveyer, the inclined slicing machine being arranged and operated so that the lower

cutting end of the machine deposits successive slices transversely on and across the spaced top lobes of the initial receiving conveyer but with certain of the successive slices in longitudinal overlapping arrangement with respect to the slice immediately preceding, said initial receiving conveyer having operatively associated therewith means for pressing together the overlapping slices and also having associated therewith means en-



tering and extending from the spaces between the spaced endless conveying and supporting elements and arranged so as to forcedly eject from said conveying elements the pressed-together overlapping slices, the inverting member being associated with the forward end of the receiving conveyer to deliver the pressed-together slices while in an inverted position to and upon the endless final receiving conveyer.

2,006,092
PROCESS FOR PRODUCTION OF LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Huntington Park, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 4, 1931, Serial No. 555,018
27 Claims. (Cl. 196—37)

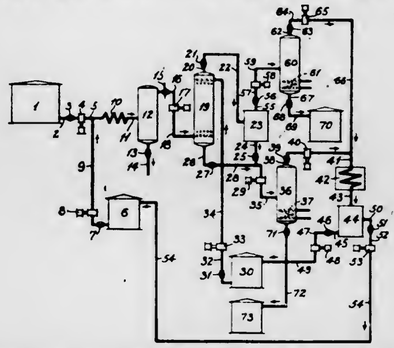


1. A process for producing lubricating oil from oil which comprises dissolving said oil in a liquefied normally gaseous hydrocarbon, separating said oil dissolved in said liquefied normally gaseous hydrocarbon into a plurality of fractions with a selective solvent for non-paraffinoid hydrocarbons and subsequently separating the liquefied normally gaseous hydrocarbon and solvent from said fractions.

2,006,093
PROCESS FOR PRODUCING LUBRICATING OILS
Ulric B. Bray, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 23, 1932, Serial No. 594,605
12 Claims. (Cl. 196—13)

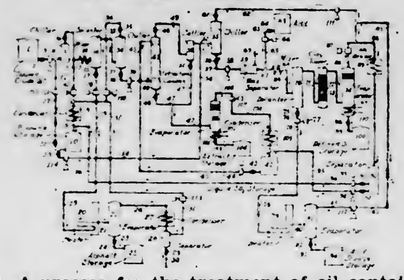
1. A process for producing lubricating oil from residual oil which comprises dissolving said oil in liquid propane, separating said oil dissolved in liquid propane into a plurality of fractions with a solvent and subsequently separating the propane and solvent from said fractions.

10. A process for the separation of oil containing non-paraffinic constituents into fractions which comprises commingling said oil with liquid propane and a solvent having selective solvent



power for non-paraffinic fractions of the oil, separating the oil into a plurality of fractions and separating said fractions.

2,006,094
PROCESS FOR TREATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 4, 1931, Serial No. 555,018. Divided and this application June 12, 1934, Serial No. 730,215
21 Claims. (Cl. 196—37)

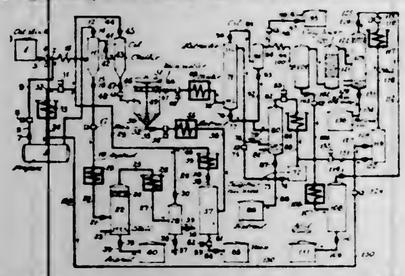


1. A process for the treatment of oil containing wax which comprises dissolving said oil in a liquefied normally gaseous hydrocarbon, extracting said oil dissolved in said liquefied normally gaseous hydrocarbon with a selective solvent for non-paraffinoid oil to form a fraction dissolved in said liquefied normally gaseous hydrocarbon containing wax and a fraction dissolved in said selective solvent, separating said fractions, chilling said wax containing fraction dissolved in said liquefied normally gaseous hydrocarbon to precipitate wax and removing the precipitated wax from the oil and liquefied normally gaseous hydrocarbon.

2,006,095
PROCESS FOR THE PRODUCTION OF LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 2, 1933, Serial No. 691,828
13 Claims. (Cl. 196—37)

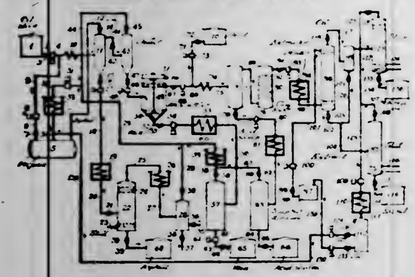
1. A process for the treatment of hydrocarbon oil containing wax which comprises commingling

said oil with a liquefied normally gaseous hydrocarbon diluent, chilling said oil and diluent to precipitate wax, separating the wax from the oil and diluent, extracting the dewaxed and diluted



oil with a selective solvent for non-paraffinoid fractions to form an oil fraction dissolved in said diluent and an oil fraction dissolved in said solvent and separating said fractions.

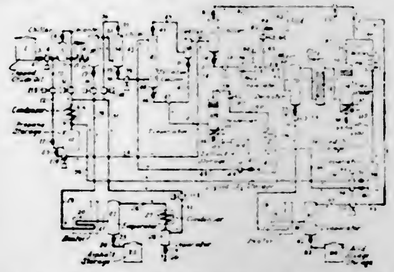
2,006,096
PROCESS FOR THE PRODUCTION OF LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 2, 1933, Serial No. 691,829
13 Claims. (Cl. 196—37)



1. A process for the treatment of mineral lubricating oil which comprises dissolving said oil in a liquefied normally gaseous hydrocarbon solvent, treating the diluted oil with sulphuric acid, extracting the acid treated and diluted oil with a selective solvent for non-paraffinoid fractions to form a fraction dissolved in said diluent and a fraction dissolved in said selective solvent and separating said fractions.

2,006,097
PROCESS FOR TREATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 4, 1931, Serial No. 555,018. Divided and this application June 12, 1934, Serial No. 730,214
8 Claims. (Cl. 196—13)

1. A process for the production of lubricating oil from oil which comprises dissolving said oil in a liquefied normally gaseous hydrocarbon diluent, extracting said oil dissolved in said diluent with a selective solvent for non-paraffinoid fractions to form a fraction dissolved in said solvent and a fraction dissolved in said diluent, separating said fractions and treating said fraction dissolved in said diluent with sulphuric acid.



7. A process for the treatment of lubricating oil from oil which comprises dissolving said oil in a liquefied normally gaseous hydrocarbon diluent containing a major portion of propane, extracting said diluted oil with liquid sulphur dioxide to form a fraction dissolved in said diluent and a fraction dissolved in said solvent, separating said fractions and treating said fraction dissolved in said diluent with sulphuric acid.

2,006,098
METHOD FOR PRODUCING LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 26, 1935, Serial No. 3,613
15 Claims. (Cl. 196—34)

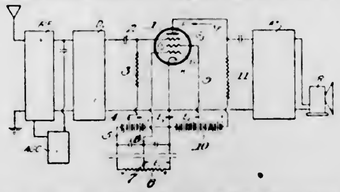


1. The process for the production of lubricating oil from an oil containing the same which comprises mixing said oil with a liquefied normally gaseous hydrocarbon solvent under superatmospheric pressure sufficient to maintain said solvent liquid, treating said oil dissolved in said solvent with a mineral acid and separating said solvent from the treated oil.

2,006,099
AUDION AMPLIFIER
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 10, 1933, Serial No. 684,582
4 Claims. (Cl. 250—20)

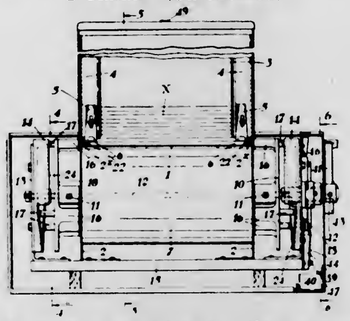
1. In the operation of an amplifier stage including a tube having a cathode cooperating with a signal grid and anode, the method of reducing the transconductance of the tube from signal grid to anode without increasing the distortion introduced into the amplified output of the tube, comprising the establishing of a positive or accelerating field between the signal grid and cathode, controlling the electron flow from said cathode

to the region of the positive field and signal grid by a negative field adjacent said cathode, initially impressing on the signal grid such a nega-



tive bias which results in substantially maximum amplification and increasing the signal grid bias in a negative sense as the negative field is increased in magnitude to reduce the stage gain.

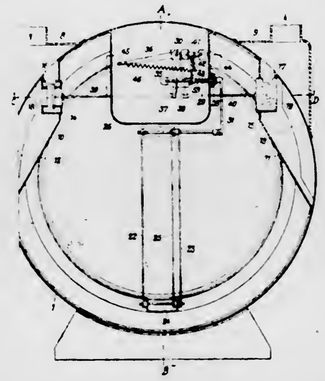
2,006,100
VENDING MACHINE
George Fargher Hight and Charles Henry Webb, Middlesex, England
Application November 9, 1934, Serial No. 752,263
In Great Britain February 27, 1933
1 Claim. (Cl. 312—51)



In a vending machine for the purpose described, the combination with a casing including an article container, a support for a pile of folded articles, means for engaging with the folds of the lowermost article and drawing the same from beneath the pile including, at each end of the machine, a non-rotating cam plate, a rotary plate positioned adjacent thereto, a plurality of spring actuated plungers mounted in said rotary plate, a spring actuated finger located in each of said plungers coacting with said cam plate, means for preventing the ejection of said fingers during a part of their travel, a shaft upon which said rotary plates are secured rotatably mounted in said cam plates, and means for imparting a rotary movement to said shaft and to the rotary plates.

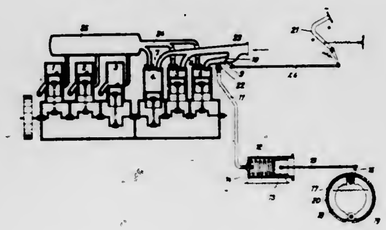
2,006,101
REVERSING MECHANISM FOR DRY GAS METERS
Waldemar Holm, Furstenwalde/Spree, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application July 3, 1933, Serial No. 678,967
In Germany July 5, 1932
11 Claims. (Cl. 73—1)

10. In a dry gas meter with one diaphragm and with two double seat valves provided with spindles, a reversing mechanism comprising a shaft operatively connected to and actuated by the diaphragm, a guide lever on this shaft, a snap member on this guide lever, another shaft arranged perpendicular to the shaft of the guide lever, a tilting lever provided with two legs on said other shaft, a snap member on one of the legs of the tilting lever, adapted to cooperate with the snap member on the guide lever, a further shaft, a suspending lever on this shaft,



means for operatively connecting the suspending lever with the guide lever, a reversing spring fastened on one end to the other leg of the tilting lever and on the other end to the suspending lever, and means for transmitting the movement of the shaft of the tilting lever to the spindles of the double valves of the gas meter.

2,006,102
BOOSTER BRAKE FOR VEHICLES
Hugo Junkers, Dessau, Germany
Application May 20, 1930, Serial No. 454,059
In Germany June 13, 1929
9 Claims. (Cl. 188—152)

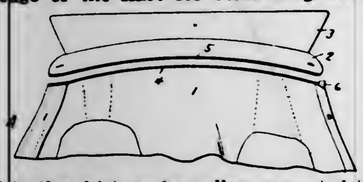


1. In a power plant comprising a scavenging pump operatively connected to a two-cycle internal combustion engine, means for causing an increased vacuum in said pump, and mechanism adapted to be operated by said increased vacuum.

2,006,103
DETACHABLE FASTENING MEANS FOR CONNECTING COLLARS TO SHIRTS
Max Karellitz, Milford, Mass.
Application August 30, 1934, Serial No. 742,184
1 Claim. (Cl. 2—139)

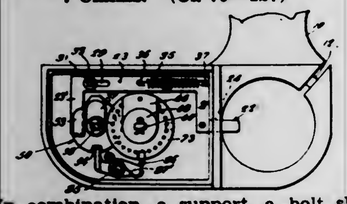
In combination with a shirt having a neck band formed separately therefrom, slide fastener elements secured to the lower portion of the neck band and extending the full length thereof,

cooperating slide fastener elements on the upper edge of the shirt for connecting the neck



band to the shirt, and a collar connected to the upper edge of the neck band.

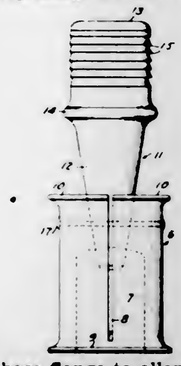
2,006,104
IGNITION AND STEERING LOCK
Irving Knapper, Ossining, N. Y.
Application March 24, 1934, Serial No. 717,250
7 Claims. (Cl. 70—127)



7. In combination, a support, a bolt slidable thereon, a spring urging the bolt toward locking position, a notched cam normally disengaged from said bolt so that the bolt is then in the locking position, means for operating said cam into and out of operative engagement with the bolt, a set of normally upset disk tumblers on the support, each having a notch, second means for manipulating the tumblers so as to align their notches, spring pressed means normally engaging the periphery of said tumblers and the notch of said cam while the tumblers are upset and the bolt is in locking position so as to lock the cam in its disengaged position, said spring pressed means being arranged to move into engagement with the notches of the disk when the tumblers are manipulated so as to bring their notches into alignment in a manner to disengage said spring pressed means from the cam and thereby free the cam to be operated by the cam operating means in opposite directions for withdrawing said bolt from and permitting the bolt to return to locking position, and stop means on said cam, said stop means being positioned during the operative position of the cam to positively prevent disengagement of said spring pressed means from the aligned notches of the tumblers, thereby preventing upsetting of the tumblers while the bolt is in a retracted position, said stop means being arranged to occupy a position while the cam is in its inoperative position in which said stop means engages said bolt in a manner to positively prevent further rotation of the cam away from its operative position.

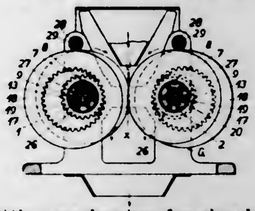
2,006,105
BOTTOM HOLE WELL PLUG
Charles L. Maguire and Garnett Hadley, Mount Pleasant, Mich.
Application December 12, 1934, Serial No. 757,201
1 Claim. (Cl. 166—13)

As a new article of manufacture, a cylindrical spool-like body adapted to function as a well closing plug, said body being formed at its bottom with an outstanding annular base flange and formed at its top with a corresponding type anchoring flange, said body having a socket in its bottom and a communicating tapered bore in its top, diametrically opposed portions of said body being formed with longitudinal slits extending through the top flange down to and terminating



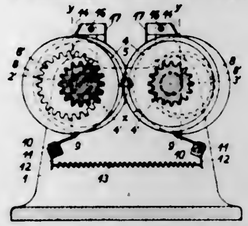
short of the base flange to allow the slit portion to expand radially for anchorage purposes.

2,006,106
KNIFE MOUNTING FOR MACHINES
Walter Markert, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., Dresden, Germany
Application November 23, 1933, Serial No. 699,457
In Germany August 24, 1933
9 Claims. (Cl. 146—122)



1. A cutting mechanism for shredding tobacco or the like comprising a series of intermeshing cutting disks, flexible spacing disks located between said cutting disks, said spacing disks being provided with gear teeth, ejector rings loosely mounted upon said spacing disks and internal teeth provided upon said ejector rings meshing with the teeth upon said spacing disks.

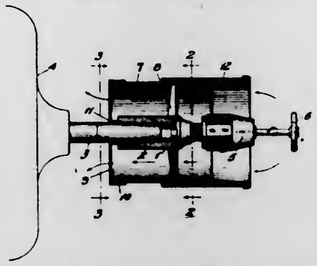
2,006,107
MACHINE FOR CUTTING THIN LEAVES
Walter Markert, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany
Application December 14, 1933, Serial No. 702,395
In Germany April 24, 1933
7 Claims. (Cl. 146—122)



1. A cutting mechanism for shredding tobacco or the like comprising a series of intermeshing

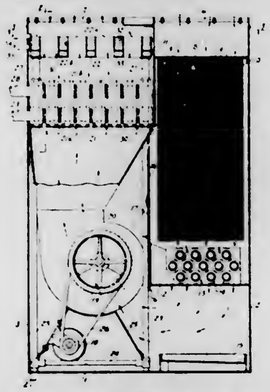
cutting disks, shafts upon which said disks are mounted, ejector rings loosely mounted and located between said cutter disks and means upon said shaft causing a positive rotation of said rings.

2,006,108
DUST COLLECTOR FOR ABRADING TOOLS
Felix C. Montuori, Washington, D. C.
Application October 27, 1934, Serial No. 750,363
5 Claims. (Cl. 51—270)



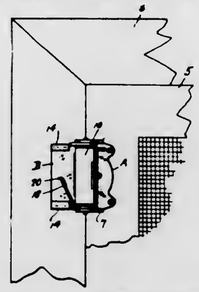
1. Apparatus of the character described comprising a member adapted to be mounted upon a spindle for rotation therewith and to carry an abrading tool or the like; a housing carried by said member in spaced relation thereto; means associated with said housing for drawing a current of dust laden air from the vicinity of said tool into said housing; and filter means cooperating with said housing for arresting the passage of dust in said current of air and to cause its deposit in said housing.

2,006,109
HEATING AND VENTILATING APPARATUS
Clark T. Morse, Detroit, Mich., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application September 20, 1934, Serial No. 744,783
8 Claims. (Cl. 257—138)



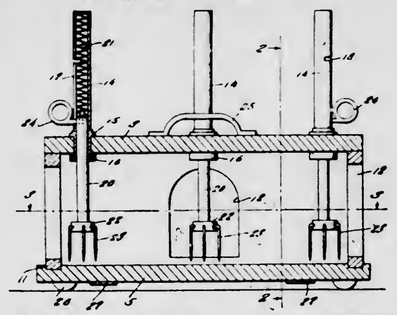
4. In a heating and ventilating unit, a frame independent of a casing enclosing unit, a motor and blower mounted on the lower end of said frame, a blower casing mounted on the bottom of said frame, a plurality of heating units connected together on their sides mounted on top of said frame, said units having a plurality of spaced, gently undulatory fins arranged on the sides thereof in the path of the air delivered from said blower casing, and a plurality of spaced water pans of different elevation having air passageways therebetween mounted on top of said heating units in spaced relationship with respect to them whereby the undulatory motion of the air passed through and between said heating units will not be impeded by said pans.

2,006,110
HINGE
Stephen J. Palinkos, South Norwalk, Conn.
Application December 13, 1934, Serial No. 757,381
1 Claim. (Cl. 16—181)



In combination, a hinge consisting of a pair of leaves and provided with means swingably connecting the same together, a spring for retaining the sections in closed position, an anchor plate, guide structures on the anchor plate for receiving one of the hinge sections, said anchor plate and said mentioned section of the hinge being provided with registering openings, said spring being provided with an extension for engagement into the openings when said openings are registering.

2,006,111
ANIMAL TRAP
Armen Potigian, Davenport, Iowa
Application January 16, 1935, Serial No. 2,127
3 Claims. (Cl. 43—79)



1. A trap of the class described comprising a box-like structure, a plurality of tubes mounted in the upper portion of the box-like structure, shanks slidable in the tubes, springs in the tubes impinged against the shanks to force them downwardly, heads on the lower ends of the shanks, prongs on the heads, said tubes having longitudinally extending slots terminating at their upper ends in lateral branches, and a handle extending from the upper end of the shank through the slots and engageable in the branches, said box-like structure comprising two sections, one section including a bottom with a side wall fixed thereto and rising therefrom, the other section

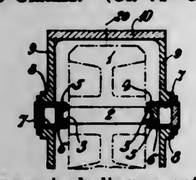
comprising a top panel through which the tubes extend, a side wall fixed to the top panel, and end walls fixed thereto, the bottom being provided with grooves to receive the lower edges of the end walls and the side wall of the upper section, the top panel being hinged to the first mentioned side wall, and means for engaging the second mentioned side wall with the bottom to prevent accidental opening of the box, the walls of the box being provided with entrance openings.

2,006,112

GYROSCOPIC TURN INDICATOR

George Hancock Reid, Kingston-on-Thames, England

Application July 20, 1932, Serial No. 623,681
In Great Britain September 16, 1931
5 Claims. (Cl. 74—5)



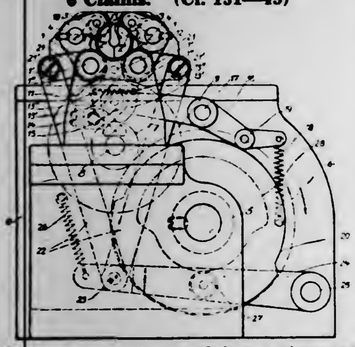
5. A gyroscope including a rotor shaft, end bearings therefor, sleeves carrying the bearings, and a support in which the sleeves are mounted, the sleeves and shaft being of metals of the same coefficients of expansion but subjected to different amounts of change under temperature variation incident to their relatively different lengths, the support being constructed of a metal of such coefficient of expansion that the amount of change in the support under temperature variation will compensate for the difference in amount of expansion between the shaft and sleeve.

2,006,113

APPARATUS FOR APPLYING A CIGAR WRAPPER TO A BUNCH

Constantin Friedrich Röber, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany

Application December 21, 1932, Serial No. 648,279
In Germany February 27, 1932
6 Claims. (Cl. 131—45)



1. An apparatus for applying a cigar wrapper to a bunch comprising bunch rollers, a pair of pivoted jaws located adjacent one end of said bunch rollers and flexible means normally urging said jaws together to exert a flexible pressure to hold an end of the wrapper to the end of said bunch to secure a correct application of said wrapper to said bunch at the start of the wrapping operation.

2,006,114

ALIPHATIC-AROMATIC AMINE AND PROCESS OF MAKING SAME

Karl Wilhelm Rosenmund and Fritz Külz, Kiel, Germany

No Drawing. Application February 8, 1933, Serial No. 655,762. In Germany April 27, 1931
9 Claims. (Cl. 260—127)

7. Tertiary amines of the aliphatic-aromatic series having the generic formula

$$R_1—A_1—N(R_3)—A_2—R_2$$

wherein R_1 and R_2 represent phenyl or alkoxy-substituted phenyl groups, A_1 and A_2 represent alkylene chains or phenyl- or alkyl-substituted alkylene-chains of the lower aliphatic series, and R_3 represents an unsubstituted alphyl group of the lower aliphatic series.

8. In the manufacture of tertiary amines of the aliphatic-aromatic series having the generic formula

$$R_1—A_1—N(R_3)—A_2—R_2$$

wherein R_1 and R_2 represent phenyl or alkoxy-substituted phenyl groups, A_1 and A_2 represent alkylene chains or phenyl- or alkyl-substituted alkylene chains of the lower aliphatic series and R_3 represents an unsubstituted alphyl group of the lower aliphatic series; the process which comprises condensing a primary amine of the class consisting of

$R_1—A_1—NH_2$, $R_2—A_2—NH_2$ and $R_3—NH_2$

with a compound selected from a second class consisting of

$R_1—A_1—X$, $R_2—A_2—X$ and $R_3—X$,

under conditions of reaction producing liberation of HX and with formation of a secondary amine of the class consisting of

$R_1—A_1—NH—R_2—A_2$, $R_1—A_1—NH—R_3$ and $R_2—A_2—NH—R_3$

and condensing the resulting secondary amine with a compound selected from a class consisting of

$R_3—X$, $R_2—A_2—X$ and $R_1—A_1—X$,

respectively, under conditions of reaction producing liberation of HX and with formation of a tertiary amine of the aforesaid generic formula; X being a group capable of uniting with an available hydrogen atom of said amines under said conditions of reaction with liberation of HX.

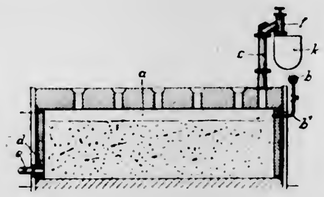
2,006,115

OPERATION OF COKE OVENS AND OVENS THEREFOR

Josef Schaefer, Dortmund, Germany

Application January 30, 1933, Serial No. 654,287
In Germany February 2, 1932
4 Claims. (Cl. 202—15)

1. A method of producing coke and a combustible gas or gases which comprises introducing a combustible fluid capable of being decomposed by heat to yield a combustible gas, at the top and at one end of a horizontally elongated mass of solid carbonizable material which is being carbonized and is in an advanced state of carbonization, causing said fluid to percolate through said carbonized mass in a diagonally downward direction, withdrawing the unaffected and partially affected fluid and the volatile matters developed from the lower opposite end of said mass, immediately introducing the said volatile matters and the unaffected and partially affected fluid at the lower end of a second similar mass of solid carbonaceous material which is likewise in a state of advanced carbonization, causing said introduced material and volatile matters to pass diagonally upward through said second mass, withdrawing the total volatile matters developed at the opposite upper end of said second mass, and then withdrawing coke from both masses.



4. A coke oven battery for producing coke and a combustible gas or gases of the reaction between a carbonaceous material and steam, oil or tar comprising a plurality of horizontal narrow elongated coke oven chambers placed adjacent and parallel to each other, a distribution pipe for the steam, oil or tar disposed transversely of the chambers and extending along one side of said battery at the top thereof, means connecting said pipe with one end of the upper portion of each of the individual chambers, valve means for controlling said connecting means so that the flow from the distribution pipe to any of the chambers may be cut off, means at the opposite end of said chambers at the bottom thereof for directly connecting each of the chambers with one of the other chambers, said last named connecting means providing a short direct communication between the bottom of each chamber at one end thereof and the bottom portion of the connected chamber at the same end thereof, an ascension pipe at the upper end of each chamber adjacent the distributing pipe connection to said chamber, and valve means operatively connected with said ascension pipes so that the flow from each chamber through its corresponding ascension pipe may be cut off, whereby when the chambers are charged with carbonaceous material in an advanced state of carbonization, steam, oil or tar introduced through the distributing pipe to one upper end of a chamber will percolate diagonally downward through that chamber, thence to the bottom of the connected chamber together with volatile matters developed and diagonally upward through said connected chamber to the ascension pipe thereof.

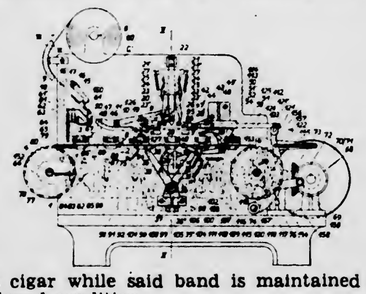
2,006,116

METHOD AND APPARATUS FOR APPLYING PAPER BANDS AND THE LIKE TO CIGARS

Johannes Schmiedel, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co., Dresden, Germany

Application June 1, 1934, Serial No. 728,617
In Germany November 22, 1932
16 Claims. (Cl. 131—61)

1. The method of applying bands to cigars and the like comprising severing a band from a strip of flexible material and then applying the same



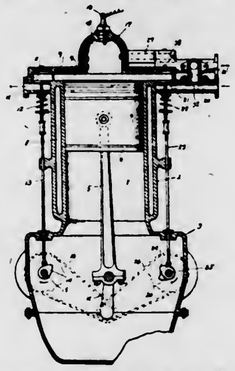
to a cigar while said band is maintained in a tensioned condition.

2,006,117

INTERNAL COMBUSTION MOTOR

Frank K. Shear, Ravena, N. Y.

Application November 17, 1933, Serial No. 698,508
1 Claim. (Cl. 123—75)



In an internal combustion engine including a cylinder and a piston and a head for the cylinder having a fuel chamber therein in communication with the cylinder, an air supply connected with the outer end of the cylinder, a fuel supply connected with the fuel chamber, valves for controlling said supply, springs for normally holding the valves closed, means for opening the air valve at the beginning of the suction stroke of the piston and permitting the valve to close when the piston reaches a certain point in its suction stroke, means for simultaneously opening the fuel valve as the air valve is closing, whereby air is drawn into the cylinder at the beginning of the suction stroke and fuel is drawn into the fuel chamber for the rest of the stroke after the air valve is closed, said air being compressed by the piston on its compression stroke, the pressure of air compressing the fuel in the fuel chamber, means for firing the fuel in said chamber, a short conduit connecting the air conduit with the fuel conduit, and a valve for closing said short conduit when the valve is in one position and said valve closing the air conduit and placing the short conduit in communication with the air conduit when in another position.

2,006,118

COVER FOR CHICKENS

Corinne Sterrett Smith, Walkerton, Ind.

Application June 25, 1934, Serial No. 732,309
2 Claims. (Cl. 119—143)

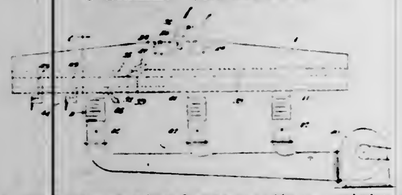
1. A jacket for poultry comprising an elongated member of fabric having a button at one end of

the front part, a strap connected to the opposite end of the front part having a number of buttonholes therein to receive the button, a strap having its ends connected to the end parts of the member slightly in rear of the longitudinal cen-



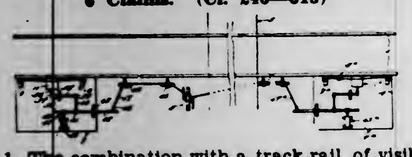
ter of the member and said strap having a loop at its center through which the first strap passes, the second strap having the portions adjacent its ends passing under the legs, with the parts on each side of the loop converging forwardly to the loop.

2,006,119
APPARATUS FOR THE SEPARATION OF DRY MATERIALS
Joseph Nicholas Steinmetzer, Watermael, Belgium
Application August 16, 1933, Serial No. 685,478
In Great Britain August 10, 1932
5 Claims. (Cl. 209—466)



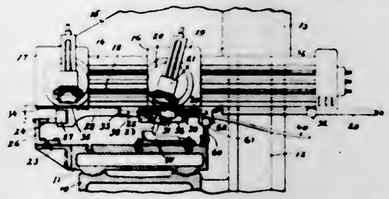
1. In an apparatus for separating a mixture of solid materials having different specific gravities, a vessel for containing said materials, a pair of spring supports for said vessel, a shaft coaxial with said spring supports, a pulley having an eccentric weight thereon mounted on said shaft, and means for rotating said pulley, whereby the axis of oscillation of the vessel is substantially coincident with the axis of rotation of the pulley.

2,006,120
CROSSING SIGNAL
Thomas G. Strynatka, Mirror, Alberta, Canada
Application June 15, 1933, Serial No. 675,977
6 Claims. (Cl. 246—313)



1. The combination with a track rail, of visible signal means including a rotary member, a train operated member mounted adjacent the rail for operation by a train, cam and lever means operatively connected to the train operated member, cable means operatively connected to the cam and lever means and to the visible signal means for operating the same, helical return spring means axially aligned with said rotary member and attached thereto and to another part on the visible signal means ensioning said cable means and operative for returning the visible signal means to initial condition when said train operated member has returned toward initial position after operation.

2,006,121
PROFILING ATTACHMENT FOR PLANERS
Howard A. Tham, Akron, Ohio, assignor to The Mechanical Mold & Machine Company, Akron, Ohio, a corporation of Ohio
Application January 23, 1935, Serial No. 2,979
13 Claims. (Cl. 90—24.3)



1. The combination of a planer having a horizontally reciprocating work table, a tool head movable transversely thereof, a cam movable with the table for positively actuating said head horizontally in one direction, a cam follower connected with the tool head, and hydraulic means continuously exerting a uni-directional thrust on said follower for yieldingly moving said head in the opposite direction, said means having a valve-controlled outlet for relieving the pressure.

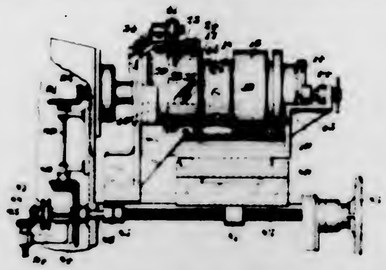
2,006,122
WINDSHIELD DEFROSTING DEVICE
Ben Weller, Midwest, Wyo.
Application February 16, 1935, Serial No. 6,861
8 Claims. (Cl. 20—40.5)

1. An attachment of the class described comprising a spacing element, a carrier arm attached thereto, and a rubber suction cup at the inner end of said arm for fastening it in place.

2,006,123
MILLING MACHINE
Frederick William Whitehead, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application July 9, 1934, Serial No. 734,362
In Great Britain April 19, 1934
5 Claims. (Cl. 90—13.4)

1. A milling machine of the kind set forth comprising, in combination, driving mechanism for reciprocating or oscillating the work-carrier with respect to the cutter, a friction-coupling whereof the driving element is reciprocated or oscillated by the said driving mechanism through a constant large amplitude and whereof the driven element drives both the work-carrier with respect to the cutter, and a former or pattern with respect to an abutment, which abutment thus controls the amplitude of the relative movement

between the work and the cutter in accordance with the shape of the former, and irrespective of

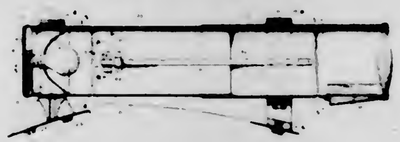


the amplitude of movement of the driving element of the friction coupling.

2,006,124
TELEVISION APPARATUS
John Logie Baird, London, England, assignor to Televisieon Limited, London, England, a British company
Application December 21, 1933, Serial No. 703,245
Renewed April 4, 1935. In Great Britain January 20, 1933
5 Claims. (Cl. 178—6)

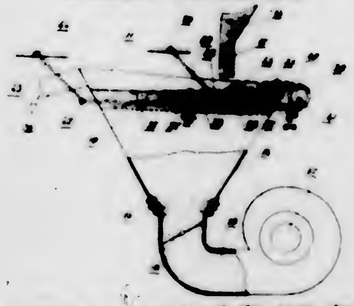
5. A television method which comprises scanning an object with a spot of light projected through one aperture in a scanning disc, and scanning a light responsive element through another aperture in said scanning disc with light reflected from said object.

2,006,125
HEADLIGHT
Theodore S. Barber, Wilkes-Barre, Pa.
Application April 12, 1934, Serial No. 720,320
1 Claim. (Cl. 240—41.3)



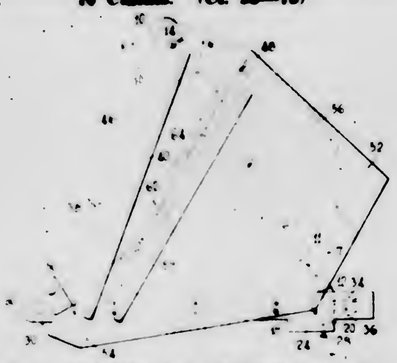
A headlight comprising an elongated tubular body having a front and a rear section and being slidable on each other, brackets for supporting said sections, the bracket for the forward section having spring adjustable take-up screws extending into contact with said section, a portion of said bracket being hingedly connected, the support for the rear section having a portion of the bracket hingedly connected thereto, an end piece on said rear section, said end piece having a ball and socket connection with said support for adjustment and alignment purposes, a source of illumination at one end, said tubular body having interior reflector walls and a lens at the other end, and means for telescoping one section over the other.

2,006,126
SORTING APPARATUS FOR SUBSTANCES OF DIFFERENT DENSITIES
François Jacques Barthélémy Remy, Lille, France
Application February 1, 1933, Serial No. 654,949
In France February 16, 1932
2 Claims. (Cl. 209—497)



1. A sorting apparatus of the type described comprising a frame, a table having a perforated bottom, means for blowing air up through the perforated bottom, a rotating eccentric mounted in said frame, links pivoted to said frame, levers of unequal length connected to the ends of said links and connected together to the eccentric at one side of the latter, means connecting the table to the levers of unequal length, the distances between the points of attachment of the table to each lever and the points of attachment of each lever to the eccentric being proportional to the length of the respective levers.

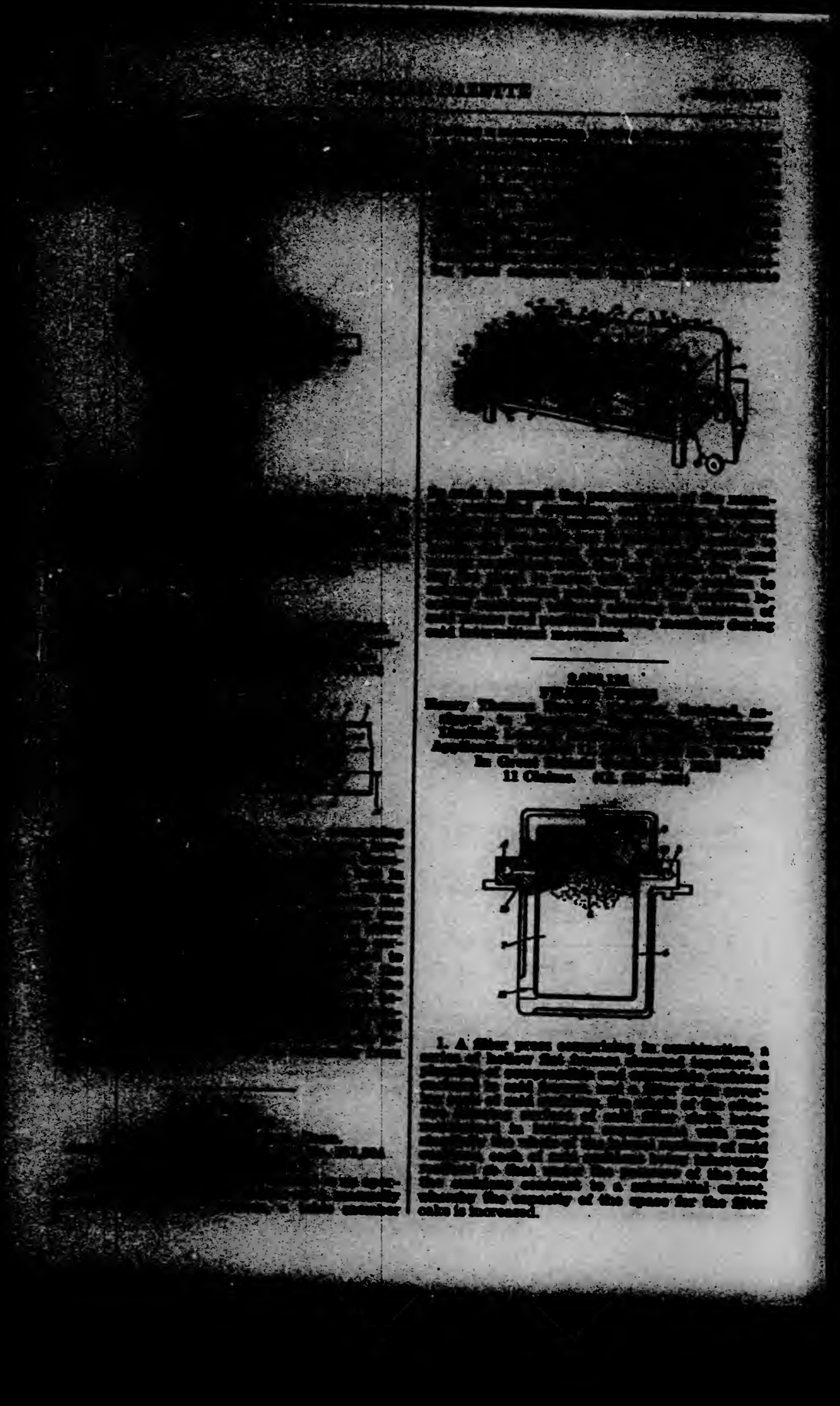
2,006,127
NAVIGATION INSTRUMENT
Victor B. Rush, New York, N. Y.
Application January 16, 1935, Serial No. 2,103
10 Claims. (Cl. 33—75)
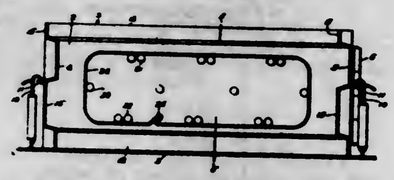


5. In a mathematical instrument, a pair of scales arranged at an angle with one another, means to represent a line passing through the end point of one of said scales and intersecting the other scale, and means to represent a second line parallel to the first line and intersecting both said scales.

2,006,128
ROTARY DRILL
Carl E. Casperson, Tulsa, Okla.
Application August 22, 1934, Serial No. 740,991
2 Claims. (Cl. 255—19)

1. In a drilling mechanism, a gear case, a sleeve rotatably mounted therein, gearing within the case and operatively connected with the

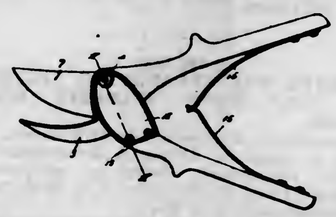


2,006,122
BLOCK MOLD
Charles F. Fleming and John L. Hevins, Houston, Tex.
Application June 20, 1934, Serial No. 731,519
1 Claim. (Cl. 25—121)



A block mold of the class described comprising a pair of detachably connected sections, means for releasably securing the sections in closed position, a base, means for releasably securing the sections on the base, a hollow split core adapted to be mounted between the sections and having hook like ends engageable with one another for closing the core, and lugs projecting from the side plates and engageable in the core for supporting said core in position when the sections are closed and the core is closed.

2,006,123
PRUNING SHEARS
Odel Fowler, Palisade, Colo.
Application May 11, 1933, Serial No. 670,674
1 Claim. (Cl. 30—11)



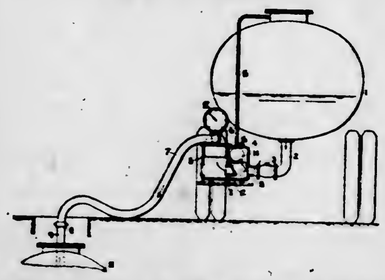
Pruning shears of the class described comprising a pair of members, each having a head part and a handle part, the head part of one member being of considerable width and the head part of the second member extending upwardly and forwardly, each head part being recessed on its inner face and having a hole in its upper part, a blade having a head part fitting in the space formed by the recesses and said head part of the blade having a hole adjacent its upper edge and adjacent the junction of said head part with the blade, the three holes registering, a bolt passing through the three holes, a non-circular projection on the inner face of the head part of the second member and the head part of the blade having a non-circular opening for receiving the projection, said projection and hole being below and in rear of the holes in said head parts, a plate of substantially the same shape as the head part of the second member, screws fastening the lower end of the plate to the outer face of the lower end of the head part of the second member, said plate extending over the outer face of the head part of the first member and having a threaded hole in its upper end for receiving the threaded part of the bolt, a nut threaded on the bolt and contacting the plate, and a hook extending from the head part of the first member.

2,006,124
AUTOMATIC FUEL SUPPLY FOR BURNERS
Thomas J. Garrott, Troup, Tex.
Application September 6, 1934, Serial No. 743,001
1 Claim. (Cl. 236—8)



A fuel regulator for oil burners comprising, a pair of spaced cylinders, a piston in each cylinder, rods connecting said pistons, an adjusting nut on one of said rods, a coil spring encircling said rods, one end of said spring being adjustable with respect to the end of one of said cylinders the other end of said spring being in abutting relation with said adjusting nut, a steam inlet opening in the upper portion of one of said cylinders for communicating steam into said cylinder above the piston therein, a valve casing secured to the other cylinder having a tapered bore therein, communicating with a pair of spaced passages, and a tapered valve secured to the piston adjacent the valve casing movable in and out of said tapered bore for controlling a flow of fluid through said passages.

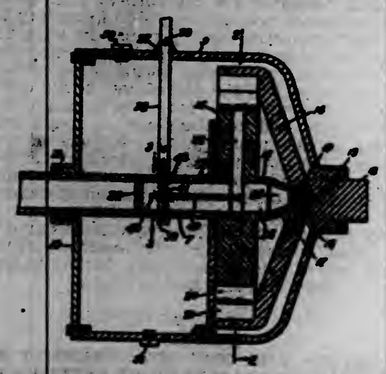
2,006,125
APPARATUS FOR THE MEASUREMENT BY VOLUME OF DELIVERED QUANTITIES OF LIQUIDS
George James Gibbs, Preston, England
Application December 19, 1934, Serial No. 758,224
In Great Britain October 5, 1933
4 Claims. (Cl. 221—67)



1. Apparatus for the measurement by volume of quantities of liquid delivered from a high level reservoir to a low level receptacle, comprising means for providing a float chamber and a liquid retaining chamber communicating therewith, a conduit connecting a low point of said reservoir with said float chamber, a meter communicating

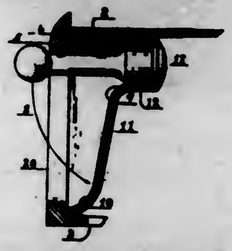
with, said [illegible] chamber, valve means for [illegible] liquid inlet chamber for the [illegible] liquid [illegible] passage of air to [illegible] relative to the liquid level in said [illegible] for opening said valve [illegible] including a pilot valve [illegible] whereby to assure of the [illegible] upon the rising of said [illegible] from the upper part of said [illegible] point above the maximum [illegible] whereby air can escape [illegible] to a point above the [illegible] reservoir so that liquid from the reservoir may fill completely said float chamber, and a discharge conduit connected to said meter for delivering the liquid to the receptacle.

2,006,126
SPEED CONTROL MECHANISM
Gail Gallister, Little Sioux, Iowa
Application March 15, 1934, Serial No. 715,768
1 Claim. (Cl. 192—58)



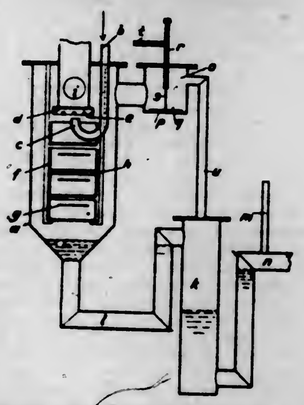
A speed control mechanism comprising a housing, a drive shaft extending into the housing, a driven shaft extending into the housing, a rotor secured to the inner end of the driven shaft, an internally toothed ring on the inner end of the drive shaft within which the said rotor is eccentric, said rotor being provided with backwardly curved fins at its periphery, the inner end of said drive shaft being hollow and provided with an opening, ducts radiating from the axis of the rotor and being in communication with the interior of the hollow portion of the drive shaft and opening through the periphery of the rotor, and a valve operative axially of the rotor for controlling the passage of liquid into the said ducts, said valve being provided with a stem extending longitudinally in the hollow shaft, said hollow shaft being provided with a pair of diametrically opposite longitudinally extending slots, a cross pin at the end of the stem opposite from the end at which the valve is located, said pin extending at its ends through the slots in the hollow shaft, a rocker having one end portion embracing [illegible] the housing, a pair of rings [illegible] the hollow shaft and being adjustable on the inner end of the rocker to assume a [illegible] relation with respect to each other, the ends of the said cross pin extending into the space between the said rings.

2,006,127
GOLF PRACTICE DEVICE
Archie D. Grimes, Fort Worth, Tex.
Application April 26, 1933, Serial No. 667,965
2 Claims. (Cl. 273—26)



1. A golf practice device comprising a casing adapted for anchored disposition on the ground and provided with a cup-shaped recess and a vertical bore in its bottom wall, and a replaceable captive golf ball mounted therein, said last-mentioned member comprising a flexible unitary stud of resilient material, the upper portion of which is disposed above the top surface of said casing and is of conventional golf ball size and shape, the stem of which is of reduced diameter, and the lower portion of which is complementary to the bore in said casing and terminates in an enlarged head which prevents upward extraction of the stud from said bore, said stem portion and ball-shaped top surface being insertable into and capable of withdrawal from, the casing recess through said bore.

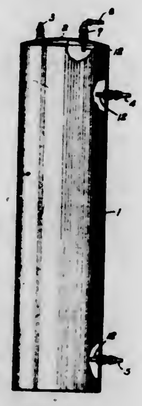
2,006,128
APPARATUS FOR SEPARATING SULPHUROUS ACID FROM SULPHITE WASTE LIQUOR
Karl Heinemann, deceased, late of Dresden, Germany, by Auguste Elisabeth Heinemann, executrix, Duesseldorf, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application April 26, 1934, Serial No. 722,469
In Germany July 11, 1930
2 Claims. (Cl. 183—2.5)



1. A degasifier for separating sulphur dioxide containing gases from waste sulphite liquor which

comprises a cylindrical vessel, a plurality of superimposed rings and plates mounted in said vessel, an inlet nozzle mounted over said rings and plates, an outlet for the withdrawal of sulphur dioxide containing gases, a liquor outlet at the bottom of said vessel, a U-shaped pipe associated with liquor outlet, a trap connected to said pipe, a connection between the top of said vessel and said trap for equalizing the pressure, and a disc valve in said connection for admitting air from the atmosphere to said vessel when the latter is under vacuum.

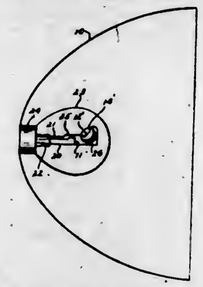
2,006,139
BOILER COUPLING DEVICE
James F. Arthur, Dickson City, Pa.
Application June 26, 1933, Serial No. 677,736
1 Claim. (Cl. 285—30)



In a domestic hot water boiler having a plurality of openings formed in the walls thereof for the introduction and withdrawal of water, means to prevent accretion of rust on the interior walls of the boiler from building up over said openings and interfering with the free circulation of liquid therethrough, comprising a nipple, one end of which is threaded into an opening in the wall of the boiler, the other end being connected with the water circulating system, said nipple being provided with an extension member in the form of a thin walled tube secured to a portion of the interior surface of the nipple, said extension tube projecting internally of the boiler a distance slightly greater than the depth of the rust accretion normally formed on the interior surfaces of the boiler.

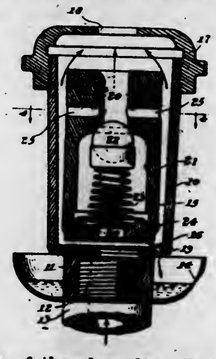
2,006,140
ILLUMINATION
Wilhelm Honing, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application January 13, 1933, Serial No. 651,593
In Great Britain January 15, 1932
2 Claims. (Cl. 240—41.25)

1. An electric lamp comprising a bulb having a pair of light sources therein, one located ahead of the other, and a concave shield disposed below the foremost light source with the normal to the plane in which the edge of said shield is located making an acute angle with the horizontal plane passing through the longitudinal axis of said



lamp, and also making an acute angle with the perpendicular plane passing through said axis.

2,006,141
STEAM POP-OFF VALVE
Frank L. Hussey, San Francisco, Calif., assignor to Blue Ribbon Products Company, Inc., San Francisco, Calif., a corporation of California
Application November 21, 1932, Serial No. 643,668
2 Claims. (Cl. 277—45)

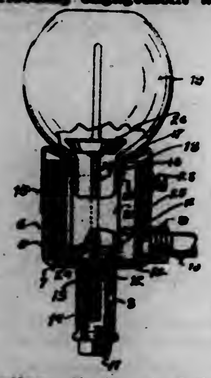


1. A valve of the class described comprising a casing having a central escape opening in the top and an entry opening in the bottom; a valve in said casing automatically lifted by fluid under pressure entering through said entry opening until said valve contacts with the top of the casing, there being a central vertical passageway through said valve registering with the opening in the top of the casing when the valve is so lifted; and a yielding ball valve closing the lower end of the upper portion of said passageway, there being a transverse opening through said valve above said ball and a drain opening leading from the bottom of said casing.

2,006,142
LIQUID DISPENSING AND LEVEL MAINTAINING DEVICE
Oscar H. Jung and Paul E. Heffelfinger, Milwaukee, Wis., assignors to Trico Fuse Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 7, 1932. Serial No. 636,662
3 Claims. (Cl. 137—68)

1. A liquid dispensing and level mantaining device comprising a cup provided with an outlet, an adjustable support positioned in said cup, a

liquid container slidably guided on said cup and having interlocking engagement with said sup-



port for effecting adjustment of the same upon rotation of the container.

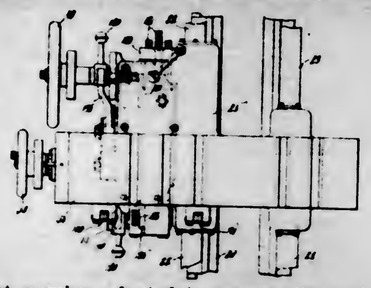
2,006,143
BOTTLE AND METHOD OF MANUFACTURING SAME
Lydia R. Koch, New York, N. Y.
Application February 4, 1932, Serial No. 655,173
3 Claims. (Cl. 220—4.5)



2. A container as characterized comprising a side wall of a single piece of material of frusto-conical shape with both the neck portion and the base portion constructed to less than the original diameter, and having a smooth middle band between the said neck and base portions.

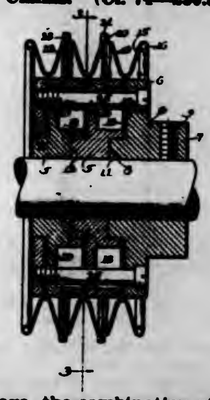
2,006,144
FEED KNOCK-OFF MECHANISM FOR LATHES
John E. Lovell, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application November 2, 1932, Serial No. 640,927
6 Claims. (Cl. 82—21)

1. In a lathe, a bed, a carriage slidable thereon, a cross-slide slidable on said carriage transversely of said bed, means for feeding said slide, a power-driven shaft, means for connecting said feeding means to said shaft, a pair of stop elements mounted on said slide, and means on said carriage operable by either of said stop elements to disconnect said feeding means from said shaft, said last-mentioned means including a device responsive to disconnect said feeding means, a shouldered plunger longitudinally movable to release said device, a non-yielding member engageable by the shoulder on said plunger simultaneously with the release of said device, an abut-



ment member adapted to engage either of said stop elements, and non-yielding connections between said abutment member and said plunger.

2,006,145
PULLEY
Eugene E. Massey, Chicago, Ill.
Application October 31, 1932, Serial No. 640,474
4 Claims. (Cl. 74—230.8)

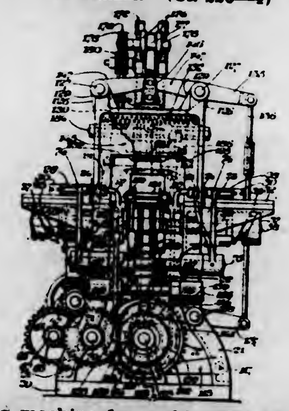


1. In a sheave, the combination of a main hub section comprising a disc with hub portions extending on either side thereof, a plurality of intermediate duplicate hub sections, each of said intermediate sections having a recess on one side and a projection on the other side, said recesses being adapted to receive the projection of the adjacent main hub section or the adjacent intermediate section, pairs of rings formed of sheet metal fitting between the adjacent hub sections and welded together, the outer portions of said rings being beveled to form pulley grooves and having the outer peripheries of the adjacent groove portions seamed together, a ring fitting over the hub of the last intermediate section and having threaded holes therein, and screws extending through the hub sections and rings for fastening the parts together.

2,006,146
POTATO FOOD PRODUCT
George P. Miller, Naperville, Ill.
No Drawing. Application December 1, 1933, Serial No. 700,505
6 Claims. (Cl. 99—8)

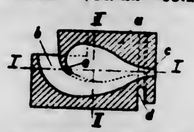
1. The process of preparing the substance of white potato for subsequent cooking, consisting of reducing the peeled potato to a finely divided texture without destroying its cell structure, and subjecting the finely divided particles to contact with steam until each particle acquires a sticky gelatinous coating of the partially converted starches.

2,006,147
MACHINE FOR PACKING FLAT PACKETS AND THE LIKE
Michael Paridon, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Maryland
Application January 30, 1934, Serial No. 708,963
24 Claims. (Cl. 226—4)



1. In a machine for packing flat packets and the like, the combination of two elongated assembly chambers arranged in spaced parallel relation, a trackway connecting said chambers and having a throat therebetween, a barrier for said throat, means for progressively supplying a predetermined number of articles to the respective chambers, and means for moving the two rows of articles toward each other along the trackway and arranging them in juxtaposition upon the barrier.

2,006,148
MUFFLE FOR USE IN CONNECTION WITH THE CASTING OF PRECIOUS METALS
Karl Plaschka, Vienna, Austria
Application January 27, 1934, Serial No. 708,556
In Austria January 10, 1933
1 Claim. (Cl. 22—65.1)



In a muffle for the charging of precious metal casting molds which is completely enclosed except for a charging aperture and a delivery aperture, a conchoidal baffle forming part of said muffle and projecting inwardly into the hollow space within the muffle and adapted positively to direct the charge towards the delivery aperture at an increased injection pressure.

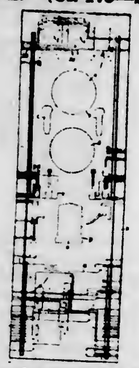
2,006,149
SEAT CONTROL MECHANISM
Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Corporation, a corporation of Michigan
Application December 15, 1932, Serial No. 647,317
12 Claims. (Cl. 155—14)

1. An article of manufacture comprising plate members adapted to be connected to seat and supporting elements respectively, roller elements between the members and having rolling contact therewith for movably supporting one member on the other, said rollers having peripheral surface portions curved transversely of the path of relative movement of the members, said plate members having substantially complementary



curved portions engaging the curved peripheral portions of the rollers respectively, one of said plate members having a guide disposed longitudinally of the path of relative movement of the members, and means comprising an element extending longitudinally in said guide and cooperating with both plate members for releasably locking them in adjustable positions.

2,006,150
PANEL BOARD AND METHOD OF WIRING THE SAME
George M. Reed, Yeadon, and Robert Paxton, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York
Application August 28, 1934, Serial No. 741,802
14 Claims. (Cl. 175—298)
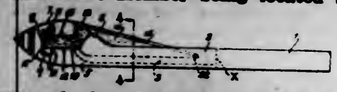


12. The method of simultaneously making a wiring assembly for a board upon which electrical devices are supported and a permanent record of the assembly, which comprises preparing a full size drawing of the board with means thereon indicating the respective positions of the terminals of the wires to be connected to the terminals of the devices on the front of the board, placing the drawing flatwise on a support and utilizing it as a template, shaping wires on the template to positions in which their free ends substantially register with the said indicating means, holding the wires substantially in their assembled positions, removing the assembled wires from the template and transferring them as a unit to the back of the board, and connecting their free ends to said electrical devices.

2,006,151
PILE WIRE FOR LOOMS
Carl R. Schreiner, Brooklyn, N. Y.
Application June 20, 1934, Serial No. 731,422
6 Claims. (Cl. 139—44)

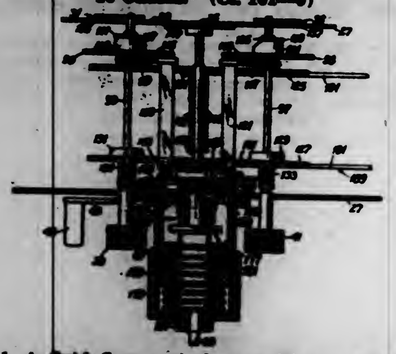
1. In a pile cutting device, in combination, a holder, a spoon at one end of the holder, a keyway in the spoon, said keyway comprising a lon-

gitudinal groove and a groove crosswise thereof, a slot between the side walls of said holder, a blade, a key on the blade, said key having a long, flexible neck and a cross member on said neck, said cross member being located at the



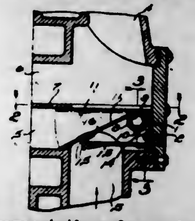
extreme end of said neck and comprising two arms extending crosswise thereof, said neck fitting into said longitudinal groove and the cross member fitting into said crosswise groove, the lower portion of the body of the blade fitting into said slot.

2,006,152
FLOW CONTROL
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application July 31, 1933, Serial No. 682,953
10 Claims. (Cl. 161—9)



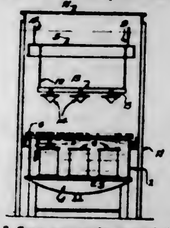
1. A fluid flow control comprising a valve, a valve-actuating stem extending from said valve and operable, upon reciprocation thereof, to open and close said valve, means engaging said stem for reciprocating the same, said means including a main shaft having an eccentric cam thereon, said main shaft having a plurality of angular positions determining through said eccentric cam the condition of said valve, a spring at all times urging said main shaft to return to a first of said angular positions determining a closed valve condition, manually actuatable means for rotating said main shaft against said spring progressively through a second of said angular positions determining an open valve condition, to a third of said angular positions again determining a closed valve condition, a stop-cam on said main shaft, latch bars positioned at said second and third positions with respect to said stop-cam, and time-controlled means operatively controlling the position of said latch bars, each of said latch bars being movable into position to intercept the rotation of said stop-cam, and thereby to hold said main shaft in its respective angular position against the action of said spring until the expiration of a predetermined time interval, and temperature-responsive means for shifting said main shaft longitudinally on its axis, whereby, under one set of external temperature conditions, said stop-cam is removed from intercepted position with respect to said latch bars regardless of their time-controlled position, and whereby said main shaft is automatically returned under the action of said spring to said first angular position, regardless of the condition of said time-controlled latch bars.

2,006,153
THERMOSTATIC VALVE
Herbert B. Trix, Grosse Pointe Village, Mich., assignor to American Injector Company, Detroit, Mich., a corporation of Michigan
Application September 30, 1933, Serial No. 691,719
6 Claims. (Cl. 236—34)



1. In a thermostatic valve, a bracket, a valve member pivotally mounted on the bracket and provided with a depending lug, the valve member being arranged to fall by gravity to the closed position, a bimetallic arm having an end normally engaging the lug of the valve member to hold the valve member in the closed position, the bimetallic arm being arranged to release the valve member upon reaching a pre-determined temperature and a helical thermostat arranged to turn the valve member on its pivot under temperature variation.

2,006,154
WASHING AND BLEACHING APPARATUS FOR ARTIFICIAL YARNS
Aldo Bassocchi, Milan, Italy
Application September 28, 1932, Serial No. 635,145
In Italy November 5, 1931
1 Claim. (Cl. 8—19)



A vat equipped for carrying out in the same an entire and complete series of consecutive operations such as the washing, desulphurating, bleaching and reviving treatment of artificial yarns in the forms in which they are delivered from spinning operations, including the combination, with said vat proper and supporting means for supporting a plurality of bobbins within said vat, of a channel portion formed upon the upper edge of the vat, entirely surrounding the latter and capable of containing a quantity of fluid therein, a cover for said vat having a downwardly directed peripheral edge which in closed position of the cover extends into the channel portion upon said vat and is adapted to be submerged in fluid located in the channel portion so as to form a hydraulic seal, a frame suspended beneath and within said cover as part of the equipment thereof, a plurality of individual covers for said bobbins secured as a group to said frame and adapted to individually engage the tops of said bobbins and close the same in closed position of said first cover, means for raising the first cover at will and thereby simultaneously raising said frame and said bobbin
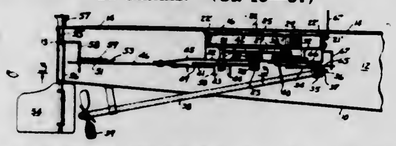
covers, and means including a pipe connected with the interior of the vat immediately beneath the first cover and above the interior thereof for leading off to the atmosphere outside the treatment room the vapors and gases in said interior.

2,006,155
ELECTRIC LAMP AND THE LIKE AND ITS MOUNTING AND ELECTRICAL CONNECTION
Harold D. Blake, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 21, 1933, Serial No. 667,223
8 Claims. (Cl. 176—32)



1. An electric device comprising a bulb; a disc having a plurality of apertures abutting against the bulb end and affixed thereto, with wing portions projecting outward beyond the bulb end periphery; and current leads issuing from the bulb end extending through different disc apertures and outward on the disc wings, with lateral contacts on said wings connected to said leads.

2,006,156
SELF PROPELLED TOY
Joseph L. Bonanno, Forest Hills, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application September 14, 1933, Serial No. 689,355
14 Claims. (Cl. 46—37)



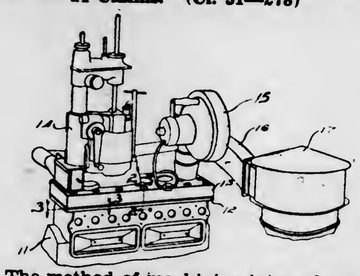
1. A steering mechanism for boats, comprising, a rudder carried on a rudder post, a forwardly projecting finger carried by the rudder post, a longitudinally extending link pivoted on a fixed support to swing about a vertical axis in front of the rudder post and having a slotted connection with the finger whereby the swinging of the link shifts the rudder, and a spring connecting the finger and the link and acting to pull the rudder into a predetermined mid-position for steering the boat straight.

2,006,157
SYNTHETIC ALCOHOL
Benjamin T. Brooks, Old Greenwich, Conn., and Reuben Schuler, Elizabeth, N. J., assignors to Standard Alcohol Company
No Drawing. Application December 1, 1933, Serial No. 700,611
8 Claims. (Cl. 260—156)

1. In the manufacture of an alcohol, the process which comprises contacting under absorption conditions an olefin with sulfuric acid containing a substantial quantity of an ether.

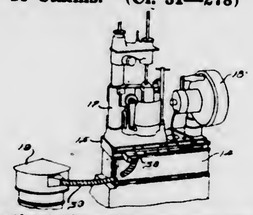
8. In the manufacture of an alcohol from an olefin, the process which comprises forming the alcohol under conditions to produce also an ether, adding to sulfuric acid a substantial quantity of such ether, and utilizing the sulfuric acid to absorb further quantities of the olefin.

2,006,158
METHOD OF MACHINING CYLINDERS
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan
Application September 23, 1933, Serial No. 690,673
14 Claims. (Cl. 51—278)



1. The method of machining internal combustion engine cylinders or the like including the steps of mounting a spacer element on the cylinder block in the position usually occupied by the cylinder head, mounting a machine supporting element above said spacer element, rigidly spacing said machine supporting element from said cylinder block so that the ends of said machine supporting element are equidistant from the crank shaft axis of said cylinder block, and then threading elements on the stud bolts of said cylinder block which urge said machine supporting element toward said cylinder block.

2,006,159
METHOD OF MACHINING CYLINDERS
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan
Application September 28, 1934, Serial No. 745,883
16 Claims. (Cl. 51—278)

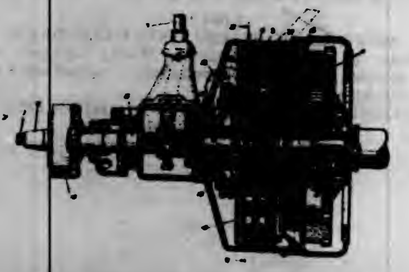


1. The method of machining cylinders of an engine block which includes the steps, of stressing the block to simulate the stresses set up therein when the cylinder head is clamped thereon, thereafter leveling a support for the machining tool parallel to the axis of the crank shaft bearings, securing the tool on said support, and machining the cylinders thereafter.

2,006,160
VARIABLE SPEED TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application February 1, 1933, Serial No. 654,658
22 Claims. (Cl. 74—260)

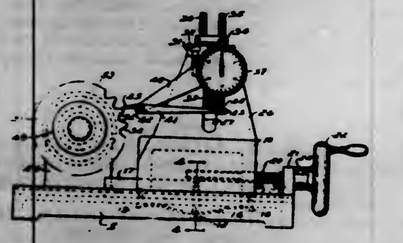
1. A variable speed transmission comprising mass inertia means arranged to produce posi-

tive and negative driving impulses, and including means for yieldingly absorbing the negative impulses and a planetary system embodying a sun member, a ring member concentric with re-



spect to the sun member, planet members engaging both sun member and ring member, and counter weighted planets engaging said first mentioned planet members only.

2,006,161
CHECKING FIXTURE
Joseph O. Bruder, Detroit, Mich., assignor to [illegible] Tool Company, a corporation of Michigan
Application November 15, 1930, Serial No. 497,500
1 Claim. (Cl. 33—174)

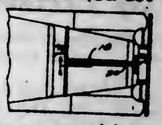


A device for testing the teeth or thread of an element the sides of which are tangent to a circle, which includes, in combination, a base, a finger, an indicator actuated thereby, an arbor upon which the element to be tested may be supported, a cylinder of the same diameter as the base circle of the element to be tested disposable on said shaft for setting the indicator to have the finger disposed to move in a plane tangent to the base circle of said element, means for securing an element to be tested on the arbor to have the side of its tooth in engagement with said finger when the indicator shows said setting, and means for advancing said finger over said tooth or thread to explore the surface thereof.

2,006,162
GRINDING COMPOSITION
Herman C. Fuchs, Brooklyn, N. Y., assignor to Formadine Company, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application July 26, 1934, Serial No. 736,005
12 Claims. (Cl. 51—309)

1. A paste-like grinding composition containing tripoli, water, an abrasive and a glycollic compound.

2,006,163
HOOD CONSTRUCTION
William J. Hall, Detroit, Mich., assignor, by mesne assignments, of thirty per cent to Ollie L. Herron, thirty per cent to Joseph B. Hammers, thirty-three per cent to William J. Hall, and seven per cent to R. C. Schemmel
Application November 23, 1932, Serial No. 643,963
11 Claims. (Cl. 189—69)



1. A hood hinge comprising a finishing strip, terminating at one edge in an attaching flange directed to one side thereof, and its other edge in a rolled edge at the same side of the strip as the flange, and a second member having an attaching flange similar to the first flange, and a rolled edge portion hingedly cooperating with the rolled edge on the finishing strip, the axis of hinging movement of the cooperating rolled edges being substantially offset from the line median between the edges of the finishing strip.

2,006,164
VEGETABLE GLUE AND PROCESS FOR MAKING THE SAME
Ellery H. Harvey, Highland Park, Ill., assignor to Perkins Glue Company, a corporation of Delaware
No Drawing. Application May 6, 1935, Serial No. 20,160
12 Claims. (Cl. 134—22.4)

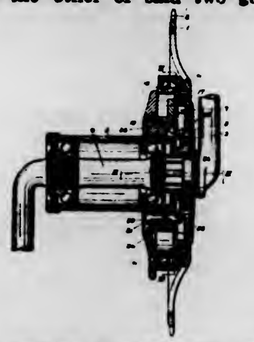
1. The improved method of making cassava starch glue which has a water content of more than 1 to about 3 parts of water to 1 part of starch and which is sufficiently fluent so that it may be readily flowed through pipes at ordinary temperatures, has a viscosity range of about 3000 to a viscosity of a wood glue applicable by machinery, and still has sufficient adhesiveness for joining wood, which comprises treating bursted cassava starch at bursting or shortly thereafter with a peroxide in the presence of about said proportion of water to reduce the viscosity of the resultant adhesive and forming a solution of the starch so treated.

12. A vegetable glue comprising a solution of the reaction products of cassava starch bursted in the presence of a peroxide, alkali and water, the specific viscosity of the glue solution at 75° F. being less than 10,000, the amount of water in the glue being about 3 parts or less to 1 part of starch by weight, and the glue having substantially the adhesiveness of animal glue for joining wood.

2,006,165
GEARING DEVICE FOR BICYCLES AND THE LIKE
Oskar Algot Hjalm, Stockholm, Sweden
Application December 22, 1933, Serial No. 703,526
In Sweden December 8, 1932
9 Claims. (Cl. 200—154)

1. A change speed chain and sprocket drive for a bicycle or the like, comprising the combination, with a pedal shaft rotatably mounted in bearings upon said bicycle, of an axially shiftable gear upon said pedal shaft positively rotated by the shaft, a chain sprocket surrounding said pedal shaft and being rotatable and eccentrically displaceable in its own plane, at least two different gear means rigid with said chain sprocket

individually adapted to be brought into mesh with said axially shiftable gear, a semi-rotary cam member surrounding said pedal shaft and effective in one position of partial rotation to dispose one of said two gear means in initial position to mesh with said axially shiftable gear and in another partly rotated position effective to dispose the other of said two gear means

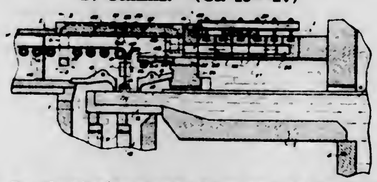


initially in position to mesh with said axially shiftable gear, and means for simultaneously shifting said axially shiftable gear into proper position with respect to either one of said two gear means while rotating said cam member partially to the correspondingly proper position to cause the meshing of the gear means with the shiftable gear which is shifted to mesh.

2,006,166
LACQUER SOLVENT
Harry E. Hofmann, New Providence Township, Union County, N. J., and James G. Park, Brooklyn, N. Y., assignors, by mesne assignments, to Stance, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 9, 1932, Serial No. 621,752
9 Claims. (Cl. 134—79)

1. Composition of matter comprising a liquid solvent for pyroxylin containing 25 to 50% ketone of the formula CH_3COR, 20 to 40% of an acetate of the formula CH_3COOR and 20 to 40% of an acetate of the formula CH_3COOR' in which R is an alkyl group containing 3 to 5 carbon atoms and R' is an alkyl group containing one carbon atom more than R.

2,006,167
SHEET GLASS FORMING APPARATUS
Frederick R. Hohmann, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 25, 1934, Serial No. 741,425
17 Claims. (Cl. 49—17)



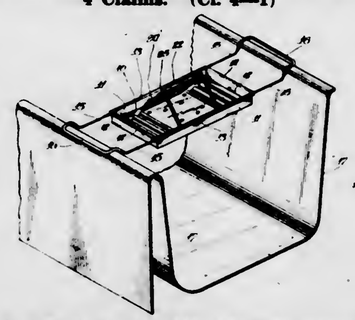
1. In sheet glass apparatus, a receptacle containing a mass of molten glass, a sheet forming machine including means for drawing a sheet upwardly from the molten glass in said receptacle, a tank for supplying molten glass to the receptacle, one wall of said tank having a passageway formed therein, means for feeding air into the passageway at one end thereof, and means for receiving the air from the opposite end of said passageway and discharging it into the interior of the sheet forming machine in proximity to the sheet being drawn.

2,006,168
ANNEALING METAL ARTICLES
James Edwin Hutchman, Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 11, 1934, Serial No. 743,548
4 Claims. (Cl. 148—4)



1. The method of annealing a metal article having a finished surface without staining or otherwise defacing said surface so as to necessitate a refinishing operation which comprises covering said surface with a removable coating comprising a rubber composition which will not become tacky and unduly adhere to the finished surface after the annealing operation or harden and crack and prevent the coating from being readily stripped off when desired, and subjecting the thus protected article to annealing conditions.

2,006,169
BOOKREST FOR BATHTUBS AND THE LIKE
Winifred E. Harris-Jones, San Francisco, Calif.
Application May 9, 1934, Serial No. 724,681
4 Claims. (Cl. 4—1)

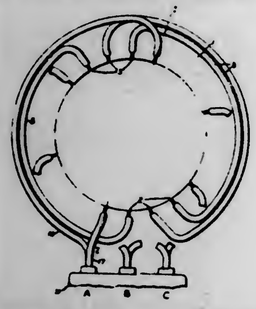


1. A device of the class described comprising a sheet metal supporting tray having a perforated bottom and upwardly extending sides and ends the top edges of its sides being rolled into tubular guides; and a support at each end of said tray formed from a wire rod bent into substantially U-shape with the ends thereof arranged to slide in said guides.

2,006,170
WINDING FOR THE STATIONARY MEMBERS OF ALTERNATING CURRENT DYNAMO-ELECTRIC MACHINES
Gustaf Adolf Juhlin, Timperley, England, assignor to General Electric Company, a corporation of New York
Application April 30, 1934, Serial No. 723,245
In Great Britain May 11, 1933
2 Claims. (Cl. 171—206)

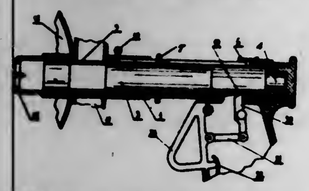
1. A stationary member for a dynamo-electric machine, a winding for said stationary member

comprising a plurality of conductors arranged in slots in said stationary member, each of said slot conductors comprising a plurality of concentric conducting elements insulated from each other, end connections each comprising a plu-



rality of concentric conducting elements respectively connected to the concentric elements of said slot conductors for connecting the corresponding concentric elements of said slot conductors into separate circuits, and means for connecting said circuits in series.

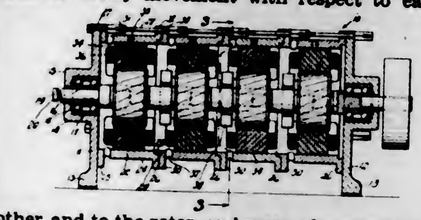
2,006,171
LIGHTING APPARATUS
Ernest Kalkeam, John Edmond de Christmas Direkinck de Holmfeld, and Valdemar de Christmas Direkinck de Holmfeld, Paris, France
Application February 23, 1933, Serial No. 658,234
In France February 25, 1932
6 Claims. (Cl. 67—33)



1. A flash-light apparatus comprising a cylinder having a lateral port, a grate structure closing one end of said cylinder, an annular magazine for flash-light cartridges adapted to revolve about said cylinder over said port, means for feeding cartridges from the magazine through the port into the cylinder, a spring-controlled plunger in said cylinder adapted to project admitted cartridges against said grate, means for retracting the plunger from the grate in opposition to the spring pressure, means for retaining the plunger in retracted position, means for releasing the plunger, and means operated by the impact of the plunger, for igniting the cartridge behind the grate.

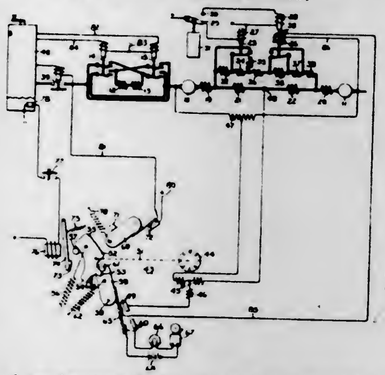
2,006,172
ELECTRIC MACHINE
Ali F. Kiappauf, Chicago, Ill.
Application April 4, 1933, Serial No. 663,132
4 Claims. (Cl. 172—120)

1. An induction motor including a sectional casing, a sectional shaft, a motor unit including a field coil carried by each section of the casing and a rotor for each field coil, each rotor serving to couple the meeting ends of the shaft sections against rotary movement with respect to each



other and to the rotor, and means for connecting the sections of the casing together.

2,006,173
CONTROL SYSTEM
Jacob W. McNairy and Harold S. Ogden, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application November 9, 1934, Serial No. 752,318
13 Claims. (Cl. 172—179)

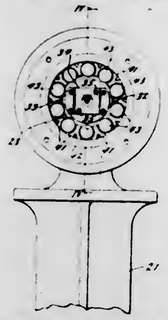


1. A protective system for electric motors connected for energization in series circuit relation comprising means differentially responsive to the speeds of said motors for deenergizing said motors upon the occurrence of a predetermined differential speed, and means responsive to the speed of said motors for controlling said differential speed responsive means to deenergize said motors at another differential speed when said motors are operating at a predetermined high speed.

2,006,174
MACHINE FOR PRODUCING FLEXIBLE SHAFTING
Louis H. Morin, New York, N. Y., assignor to American Flexible Shaft Manufacturing Corporation, New York, N. Y., a corporation of New Jersey
Application December 7, 1928, Serial No. 324,465
3 Claims. (Cl. 117—34)

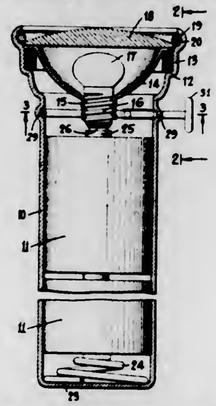
1. In a machine for making flexible shafting of the type having a core surrounded throughout by a plurality of layers of helically wound wire, in combination: means including a winding head for forming a helically wound layer of wire on the core; means positioned in advance of said first named means for forming another helically wound layer of wire on the first layer; means arranged in advance of the last named means and arranged to receive therefrom a core with the two layers of wire thereon for administering

thereto progressively along its entire length and around its entire periphery a multiplicity of hammer blows of a magnitude insufficient to cause material distortion thereof; means arranged in



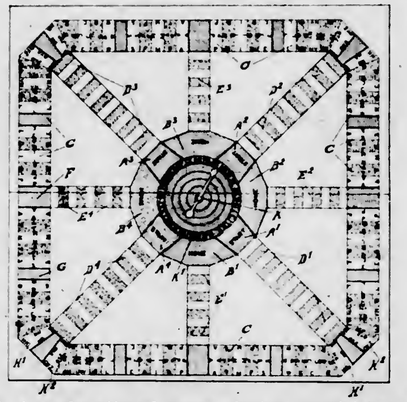
advance of the last named means for receiving the core with the layers thereon and flexing the same and means arranged in advance of the last named means for causing the gradual advance of the core and its layers.

2,006,175
CIRCUIT CLOSER
Alden E. Osborn, New York, N. Y.
Application March 13, 1930, Serial No. 435,397
6 Claims. (Cl. 240—10.68)



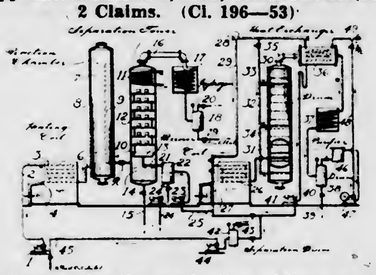
1. In an electric flashlight of the class described having a battery, a casing formed with an aperture, means carried with the casing in electrical connection with one terminal of the battery, a lamp carried with the casing and insulated therefrom and having its central terminal in electrical connection with the other terminal of the battery, means to close the circuit between the first named means and the other terminal of the lamp comprising a substantially volute deformable conducting member lying in and deformable in a transverse plane including the lamp base and in electrical connection with the first named means and having a contact end movable transversely of the casing into electrical contact with the peripheral terminal of the lamp base upon the deformation of the conducting member, an operating member movable in the aperture and carried with the conducting member and extending exteriorly of the casing, said operating member having portions adapted to selectively engage the edge of the aperture to selectively permit and maintain, at will, depression of said operating member to deform the said conducting member and move the contact end into circuit making position.

2,006,176
GAME
Harry Lenardson Quine, Brooklyn, N. Y.
Application March 23, 1932, Serial No. 600,600
3 Claims. (Cl. 273—134)



3. An educational game device comprising a game board provided with a central terminal space consisting of an individual starting field and a separate individual home field for each player, a common main track surrounding the central terminal space, a plurality of individual tracks, one for each starting field and home field, respectively, each of said individual tracks leading from its respective field to the common main track, all of the tracks being sub-divided to form small spaces, the spaces of the main track constituting a plurality of sets of playing spaces, each set having a series of spaces carrying indicia indicating different letters of the alphabet in disarranged order.

2,006,177
PROCESS FOR OBTAINING VALUABLE REFINED DISTILLATES FROM UNREFINED HYDROCARBON OILS AND PRODUCTS OBTAINED THEREBY
Edward B. Peck, Elizabeth, N. J., assignor to Standard-I. G. Company
Application March 7, 1930, Serial No. 433,937
2 Claims. (Cl. 196—53)



1. Process for the production of improved low boiling hydrocarbons suitable for high grade motor fuel from relatively heavier petroleum oils, comprising cracking the oil vigorously at a tem-

perature in excess of 800° F. to produce gas oil having a low aniline miscibility point, segregating from the cracked products a gas oil distillate fraction having an aniline miscibility point below 100° F., passing said fraction in vapor phase at a pressure in excess of 20 atmospheres and a temperature above 800° F. through a reaction zone containing a sulfactive hydrogenation catalyst with a limited amount of hydrogen sufficient to avoid coke formation and insufficient to produce saturated products, withdrawing and cooling the resulting destructively hydrogenated products and separating therefrom a fraction suitable for motor fuel.

2,006,178
THERMOSTAT
Emil E. Piron, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Application June 11, 1932, Serial No. 616,661
15 Claims. (Cl. 200—137)



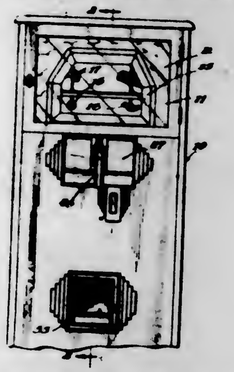
1. In a device of the class described, a frame, a lever pivotally connected near one end to said frame, a temperature responsive element engaging said lever adjacent and on one side of the pivot, means for yieldably holding said element in engagement with said lever, a toggle make and break device including a pair of relatively separable contacts carried by the other end of the lever and movable therewith, and means for arresting movement of one end of said make and break device during pivotal movement of said lever in one direction

2,006,179
VOLTAGE SURGE INDICATOR
Arthur L. Price and Francis B. Monger, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 5, 1930, Serial No. 449,998
21 Claims. (Cl. 177—311)



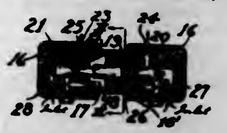
1. A voltage surge indicator comprising a movable arm having a contact, a stationary contact positioned in a plane which is displaced from the plane in which said arm moves, a link consisting of two spaced apart electrodes, a frangible tube surrounding said electrodes and forming a closed chamber in said tube between the adjacent ends of said electrodes and an explosive mixture in said chamber, the said link being positioned between said contacts so as to cause said arm to assume a given stationary position with the plane of the link being at an angle to the plane in which said arm moves, and means for moving said arm to a different stationary position in response to the breaking of said link.

2,006,180
TARGET GAME
Duane William Price and Marvin Kellermann, Chicago, Ill., assignors, by mesne assignments, to Frank J. Kolar, South Bend, Ind.
Application April 17, 1933, Serial No. 666,475
11 Claims. (Cl. 272—101)



11. A target game comprising a continuous target conveyor, a plurality of targets carried by said conveyor, a latch associated with each target adapted to support a prize, and means on each target adapted to be operated by a correctly directed projectile to operate the latch and release the prize associated with the target.

2,006,181
LUBRICATING DEVICE
Maurice Reswick, Pittsburgh, Pa., assignor to Penola, Inc., a corporation of Delaware
Application September 10, 1930, Serial No. 480,883
8 Claims. (Cl. 184—7)

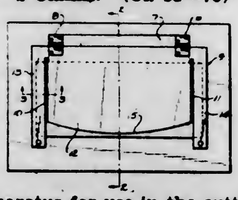


1. In apparatus of the class described, a body portion having inlets and outlets, concentric bores in said portion, an annular piston in at least one of said bores, valve heads in said other bores and a stem joining said heads and passing through said annular piston, said body having by-passages associated with said heads, said heads being each arranged to alternatively cover and uncover the outlet passages and the by-passages and said outlet passages being uncovered when their respective by-passages are covered.

2,006,182
LAMINATED SAFETY GLASS
Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application August 20, 1934, Serial No. 740,601
7 Claims. (Cl. 49—81)

1. Laminated safety glass comprising two sheets of glass and an interposed layer of cellulose derivative plasticized with methyl phthalyl ethyl glycollate adherent to the inner surface thereof.

2,006,183
TEMPLATE
Conrad B. Schafer, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 13, 1930, Serial No. 495,364
2 Claims. (Cl. 33—76)

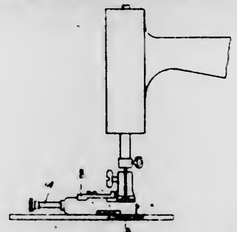


1. In apparatus for use in the cutting of glass sheets or plates, a template member adapted to rest upon the sheet to be cut, said template member having a pattern section of the shape and size of sheet to be cut and being further provided with slots, the inner edges of which define the outer edges of said pattern section, said slots being provided for the reception of a scoring tool which is adapted to fit snugly therein.

2,006,184
TREATMENT OF RUBBER
Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application October 9, 1930, Serial No. 487,505. In Germany October 22, 1929
9 Claims. (Cl. 18—59)

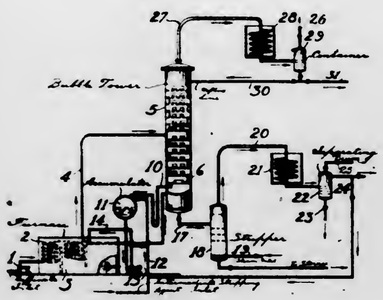
1. A process of treating caoutchouc, caoutchouc masses, regenerated rubber or finished rubber characterized in that caoutchouc, caoutchouc masses, regenerated rubber or finished rubber are subjected to the action of 5 to 10% of a mixture of octodecyl and octodecenyl alcohol.

2,006,185
NEEDLE THREADING DEVICE
Siegfried Sidler, Zurich, Switzerland
Application November 9, 1932, Serial No. 641,815
In Germany January 30, 1932
3 Claims. (Cl. 112—225)



1. In a needle threading device of the kind described having a threading pin for carrying a thread through the eye of a needle, the combination of a projection and an adjustable abutment adapted together to center the device beneath the needle of a sewing machine by entering the aperture in the machine base beneath the needle and abutting the presser foot of the machine respectively, and an abutment having an aperture therein for receiving the point of the machine needle and stopping it with its eye aligned with the threading pin.

2,006,186
RECTIFYING PROCESS
Daniel E. Stines, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1931, Serial No. 583,680
12 Claims. (Cl. 196—94)

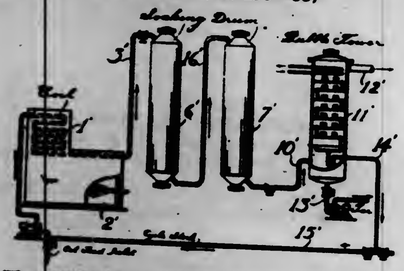


11. The method of separating a relatively high and a relatively low boiling material from a solution thereof, which comprises heating the solution above the boiling point of the lower boiling material, passing the heated solution through a fractionating zone, withdrawing the unvaporized fractions from the fractionating zone and mixing them with a substance having a boiling point between the boiling points of the materials, heating the mixture above the boiling point of the substance, passing vapors from the heated mixture through the fractionating zone whereby vapors of the substance rising through the fractionating zone strip the lower boiling material from the higher boiling material, removing vapors of the lower boiling material overhead from the fractionating zone, and withdrawing the unvaporized bottoms of higher boiling material and substance from the fractionating zone.

2,006,187
MANUFACTURE OF PIGMENTS
George F. A. Stutz, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 23, 1931, Serial No. 510,764
6 Claims. (Cl. 134—78)

1. The improvement in the calcining treatment of a pigment associated with a liquid in an atmosphere containing vapor corresponding to said liquid, which comprises increasing the pressure of the atmosphere above the vapor pressure of the liquid at the prevailing temperature by introducing an inert gas into said atmosphere.

2,006,188
METHOD OF CRACKING
Harold Sydner, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1929, Serial No. 412,193
1 Claim. (Cl. 196—58)

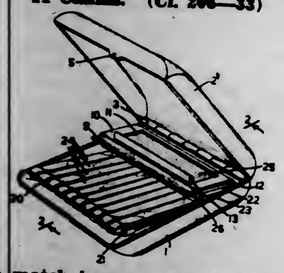


The method of cracking hydrocarbon oil which comprises heating the oil to cracking temperature in a zone of restricted cross-section, then passing all the oil directly from said zone downward through a plurality of substantially vertically arranged cracking zones of large cross-section, in which a substantial amount of cracking takes place, without additional application of heat, the cracking zones of large cross-section being substantially maintained free of oil in the liquid phase by discharging liquid and vapor from the lower part of one zone of large cross-section into the upper part of another such zone, passing the resulting liquid and vapor from the lower part of the last-mentioned zone at reduced pressure into a rectifying zone, and segregating the desired cracked product.

2,006,189
OIL SOLUBLE RESIN
Victor H. Turkington, Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 13, 1930, Serial No. 502,269
3 Claims. (Cl. 260—4)

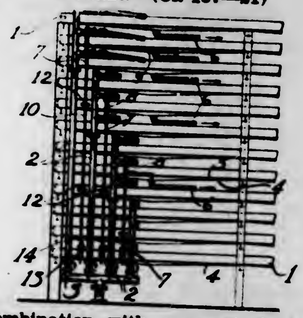
1. Synthetic resin characterised by solubility in fatty oils and comprising a condensation product of a methylene-containing agent and a cyclohexyl phenol of the monohydroxy type.

2,006,190
MATCH BOX
Harold F. Wilhelm, East Orange, N. J.
Application June 20, 1930, Serial No. 462,457
Renewed November 30, 1934
11 Claims. (Cl. 206—33)



1. In a match box, a case comprising a base cover, a top cover hinged thereto, a distorted book of matches in said case, said book comprising a striking part and a plurality of matches secured to said striking part, said matches being bent near their junctions with said striking part so that they underlie said striking part, said case having means for holding said distorted book therein.

2,006,191
ADJUSTABLE OVERFLOW DEVICE
Richard D. Andersen, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 14, 1930, Serial No. 467,677
1 Claim. (Cl. 137—21)



In combination with a receptacle having a charging line connected with a plurality of lines and adapted to convey a plurality of immiscible liquids, a device for determining at least two liquid levels in succession, comprising a substantially vertical conduit connected to the lower part of the receptacle so as to form a U therewith, a discharge conduit substantially parallel with the first mentioned conduit, said conduits being connected by at least two horizontal tubes, at least one of the tubes being provided with a valve, the discharge conduit comprising at least two separate sections, an upper one and a lower one, the lower one having a receptacle to receive the liquid from the upper section and being connected with said valve by means of a stem whereby said valve can be operated by turning the lower section of the discharge conduit.

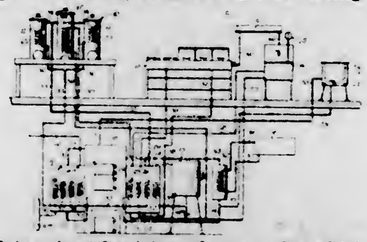
2,006,192
METHOD OF AND COMPOSITION FOR REJUVENATING FABRICS
George M. Babcock, deceased, late of Evanston, Ill., by Bulia Babcock, administratrix, Evanston, Ill.
No Drawing. Application June 29, 1931, Serial No. 547,783
2 Claims. (Cl. 26—28)

1. A composition of matter for rejuvenating cloth made up of grain alcohol, ammonia, glacial acetic acid, muriatic acid, oil of lavender and chloroform.

2,006,193
HEATING SYSTEM
Edward J. Bell, Chicago, Ill.
Application June 10, 1932, Serial No. 616,542
4 Claims. (Cl. 237—56)

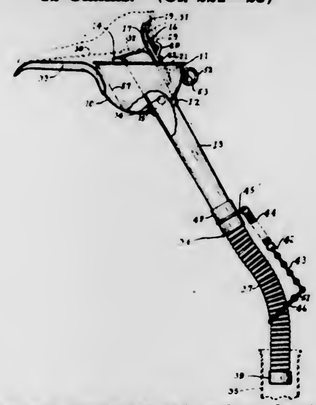
3. In a heating system, the combination of a plurality of operating elements to be heated to different operating temperatures by the current flow induced by the heating and cooling of water as a heat transfer medium, a heat transfer coil connected with each of said elements to form

complete flow systems, and a source of heat common to all of said coils and having a maximum temperature limit, each of said coils having that



predetermined heat transfer capacity which will maintain the element associated therewith at its operating temperature when the source of heat is at said maximum temperature limit.

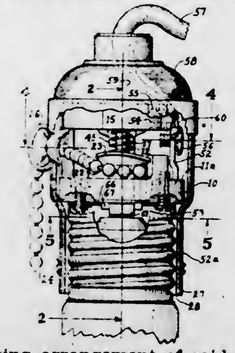
2,006,194
COMBINATION CAN OPENER, FUNNEL, AND FLEXIBLE PIPE ATTACHMENT
Charles F. Bertschinger, Waterbury, Conn., assignor to The Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 2, 1934, Serial No. 723,520
12 Claims. (Cl. 221—23)



2. In a can-opening spout or funnel article, an open bowl, a tube extending through said bowl and sealed in the base thereof, and a cutter secured to said tube for piercing the side of a can, said tube having apertures above the base of said bowl to permit liquid to drain from said bowl to said spout.

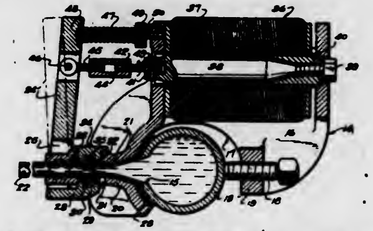
2,006,195
ELECTRIC PULL CHAIN SOCKET
Harmon J. Cook, Torrington, Conn.
Application January 27, 1931, Serial No. 511,523
11 Claims. (Cl. 173—354)

1. In an electric switch of the rotary type, an insulating stationary base having an annular depressed groove formed in the face thereof, a plurality of abrupt shouldered inclined recesses in said groove, stationary contact members arranged in alternate recesses, a rotatable contactor member having inclined arms to intermittently pass over said stationary contact members, an insulating carrier for supporting said contactor member and having telescoping relationship with said base, said carrier having a plurality of abrupt shouldered inclined cams adapted to support said arms and fit against said recesses, said carrier having a rim outside of said cams for engaging the surface of said base in overlapping relationship, and means for rotating said carrier,



the telescoping arrangement of said carrier and base and the interfitting of said cams in said recesses serving to obliterate the open air space and prevent the formation of arcs.

2,006,196
MEANS FOR SUPPLYING A POLISHING MEDIUM TO POLISHING MACHINES
Joseph P. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application March 11, 1929, Serial No. 346,093. Divided and this application May 6, 1932, Serial No. 609,576
5 Claims. (Cl. 137—139)

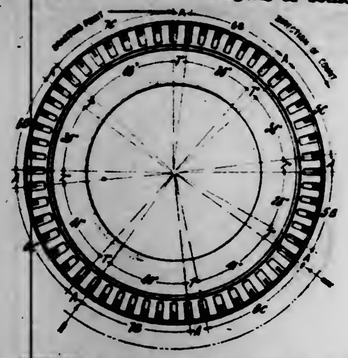


1. A valve including a housing, a compressible liner therein, a member adapted to engage the liner, a pivotal mounting therefor, means for rocking said member in a predetermined direction to normally hold the liner compressed to prevent the passage of fluid therethrough, electrical means operable to automatically render the compressing member ineffective at substantially predetermined intervals to permit the passage of fluid through said valve, and means for varying the rocking movement of said member to regulate the effective opening in said liner.

2,006,197
PNEUMATIC TIRE
Elliott S. Ewart, St. Clair Shores, and Arthur W. Bull, Grosse Pointe, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 5, 1934, Serial No. 746,996
8 Claims. (Cl. 152—14)

4. A tire having a tire tread comprising a plurality of groups of tread elements arranged circumferentially of the tire, the sizes of the elements in some of the groups being different from the sizes of the elements in another group and the circumferential lengths of some of the groups

being different from the lengths of some of the



other groups whereby aperiodicity of sound is produced during movement of the tire.

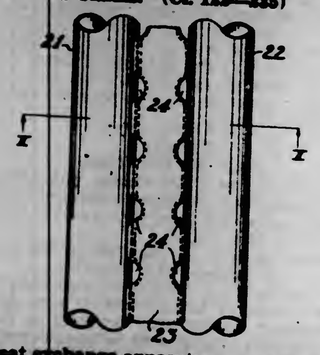
2,006,196
METHOD OF PREPARING HALOGENATED KETONES
Per K. Frolich and Peter J. Wiezevich, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 23, 1931, Serial No. 546,428
8 Claims. (Cl. 260—124)

1. The process of preparing halogenated ketones which comprises mixing an aliphatic acid halide and an olefine, and heating the mixture to at least approximately 100° C.

2,006,199
PROCESS FOR THE MANUFACTURE OF RESINS BY HYDROGENATION
Stewart C. Fulton, Elizabeth, and Vladimir Kalichevsky, Woodbury, N. J., assignors to Standard-I. G. Company
No Drawing. Application October 30, 1931, Serial No. 572,228
17 Claims. (Cl. 260—2)

1. The process of manufacturing resins, comprising subjecting substantially oil-free asphaltenes to hydrogenation.

2,006,200
APPARATUS FOR HEAT EXCHANGE
Walter C. Harpster, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 6, 1932, Serial No. 584,983
2 Claims. (Cl. 122—235)



1. Heat exchange apparatus, comprising a plurality of parallel units assembled to form a wall having a heat absorbing face, each unit including a plurality of primary conduits, a secondary conduit of relatively small cross sectional area having a face conforming to the external contour of the adjoining faces of the primary conduits and extending parallel with and in direct contact with the primary conduits, portions of the adjoining faces of the primary and secondary conduits being spaced apart.

2,006,201
COLLAR SUPPORT
Albert P. Herringer, Cincinnati, Ohio, assignor to The Herringer Paper Co., Cincinnati, Ohio, a corporation of Ohio
Application December 19, 1932, Serial No. 647,857
1 Claim. (Cl. 223—18.6)



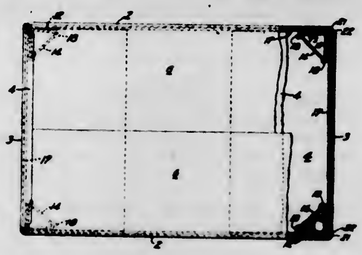
A collar support for shirts comprising a strip of flexible material, the lower edge thereof providing a medial friction point, the stock of said edge on either side of said point being recedingly cut out toward the upper edge and adjacent ends, said cutouts terminating to provide forwardly extending friction points intermediate said first point and said ends, the rear lower portions of said strip edge being plane and adapted to rest upon the shirt back within the neckband of the collar thereof, said medial point and second named points providing a three point support for the forward part of the strip, the upper edge of the strip having at least the intermediate portion thereof cut to define a plurality of tangents to the same arc whereby when the strip is bowed certain of said tangently cut portions of said upper edge will define an arcuate abutment portion disposed above the upper edge of the collar at each frontal side thereof and intermediate the central point of the lower edge and the respective forwardly extending points thereof, whereby pressure upon said arcuately curved abutment portion tends to rock the bowed strip forwardly slightly to effect digging of all of said points into the back of the shirt so as to prevent shifting of said strip.

2,006,202
PROCESS FOR HEAT TRANSMISSION
Hendrik Willem Huyser, Hilversum, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 27, 1933, Serial No. 662,997. In The Netherlands June 22, 1932
9 Claims. (Cl. 252—5)

1. In a process for transmitting heat to fluids in indirect contact with heat-transmitting material, the step of employing an open chain alkylated cyclic compound as the heat-transmitting material.

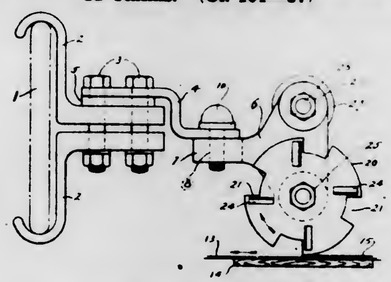
2,006,203
CARTON AND LINER FOR THE SAME
Harold Leslie, San Francisco, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application February 27, 1933, Serial No. 658,760
6 Claims. (Cl. 229—14)

1. A liner for a carton comprising a strip of fibrous material having a plurality of transverse creases, and folded to form wall sections and reinforcing columns having a uniform right angled triangular cross section, the perpendicular sides



of the column lying snugly in the corners of the carton.

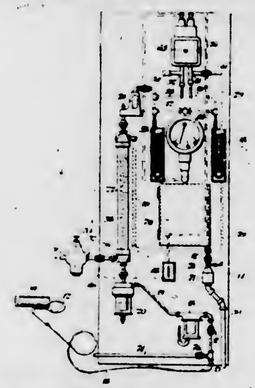
2,006,204
STAMPING MACHINE
Sol Lifsitz, Detroit, Mich., assignor of one-half to Israel M. Hertz, Detroit, Mich.
Application December 29, 1934, Serial No. 759,633
11 Claims. (Cl. 101—37)



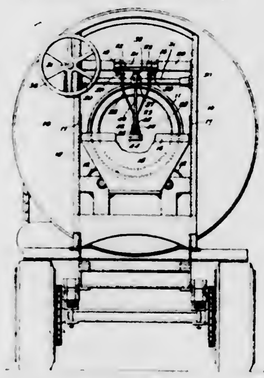
1. In a stamping machine, a shaft, a roller mounted on said shaft and having a stamping member mounted lengthwise on its periphery and projecting radially outward, said roller being normally freely rotatable on said shaft, a push piece associated with said roller and by means of which the roller can be manually rotated, such push piece lying wholly within the prolongation of the cylindrical surface projected from the facial circumference of said stamping member.

2,006,205
EXHAUST GAS ANALYZER
John D. Morgan, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application September 16, 1930, Serial No. 482,283
1 Claim. (Cl. 23—255)

A gas analyzer device for use in regulating combustion in an internal combustion engine, comprising a perforated sampling tube adapted to be inserted in the exhaust manifold of the engine, orifice means for muffling pulsating pressure in the exhaust gas removed by said tube from said manifold to substantially constant pressure, a cooler adapted to cool a hot gas stream of variable temperature to a uniform low temperature, a gas filtering element, a gas-air mixer having an air inlet, a continuous analyzer incorporating as one branch of a Wheatstone bridge an electric wire igniting element together with means for supplying current under constant voltage thereto, and means for determining by measurement of current flow through the wire the presence of combustible constituents in the exhaust gas passing thereover, and mechanism for causing gas to flow in succession through said sampling tube, muffling means, cooler and filtering element, and thence in admixture with a constant amount of added air at a uniform rate through said mixer and over said igniting element.



2,006,206
CLOSURE MECHANISM FOR THE DISCHARGE OPENINGS OF CONCRETE MIXER DRUMS
Charles F. Ball, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 1, 1931, Serial No. 554,539
5 Claims. (Cl. 83—73)



1. A closure mechanism for the axial discharge openings of rotatable concrete mixer drums, comprising a closure member; means mounting said member for rotation with said drum when in closing position, and for swinging movements to and from said closing position about an axis transverse to the drum axis; self-locking worm gearing mounted adjacent the drum opening; an arm actuated by said gearing; toggle-bars extending between said closure-mounting means and a fixed portion of the mixer framework; and a link connecting said arm and the knuckle joint of the toggle-bars.

2,006,207

OIL-SOLUBLE SYNTHETIC RESIN AND PROCESS FOR ITS MANUFACTURE

Madhav R. Bhagwat, Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

No Drawing. Application January 25, 1930, Serial No. 423,556

4 Claims. (Cl. 260—4)

1. The process comprising reacting a crude oxidation mixture containing formaldehyde, higher aldehydes and methanol which is produced by the partial oxidation of hydrocarbons in the vapor phase at elevated temperatures, in the presence of a basic catalyst, with tar acids having a boiling point in the range of 225° C. to 300° C. and higher obtained from low temperature tar, to effect a condensation reaction of the tar acids with aldehydes to form a resinous oil-soluble condensation product and thereafter distilling the unreacted oxidation products to recover a purified methanol therefrom.

2,006,208

DULL FINISH COATED PAPER

Donald B. Bradner, Oxford, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio, a corporation of Ohio

No Drawing. Application February 1, 1932, Serial No. 590,215

10 Claims. (Cl. 91—68)

5. Process of making dull finish coated paper which comprises applying an aqueous slurry containing uncooked starch to a paper stock, drying the coated paper, calendering and thereafter swelling the starch.

2,006,209

DULL FINISH COATED PAPER

Donald B. Bradner, Oxford, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio, a corporation of Ohio

No Drawing. Application May 25, 1933, Serial No. 672,906

3 Claims. (Cl. 91—68)

1. Process of making dull finish coated paper which comprises coating paper with an aqueous coating composition comprising pulverized cellulose, drying the coating, calendering the coating to the desired surface smoothness and thereafter moistening the coating.

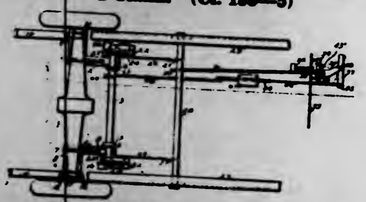
2,006,210

ANTISKIDDING DEVICE

Archer Earl Bruffee, Portland, Oreg.

Application November 28, 1934, Serial No. 754,847

1 Claim. (Cl. 188—5)



In an antiskidding device, particularly for automobiles, the combination of vertical plungers, hingedly attached to the rear axle housing of an automobile, cams operatively connected with the plungers, a hung lever in front of a foot pedal of the automobile, and means between the hung lever and the cams to force the plungers into the ground upon depression of the foot pedal, with a shift lever adjacent to the driver's seat to remove the hung lever from the foot pedal and to swing the plungers into a horizontal position.

2,006,211

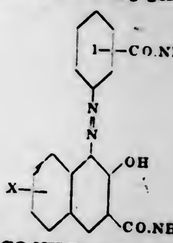
COLORED RUBBER PRODUCTS AND PROCESS OF PRODUCING THEM

Ernst Fischer, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 19, 1934, Serial No. 712,091. In Germany February 22, 1933

5 Claims. (Cl. 18—59)

1. The process of producing colored rubber products which comprises mixing a rubber product with a water-insoluble monoazo-dyestuff corresponding to the following general formula:



wherein the $CO.NH.R_1$-group does not stand in ortho-position to the azo group and the benzene nucleus 1 may be substituted by alkyl, alkoxy, aryloxy-groups or halogen, X stands for hydrogen, halogen or alkoxy, R_1 means hydrogen, an alkyl, aryl, aralkyl or hydroaromatic radical and R_2 an aryl radical, and then vulcanizing the mixture.

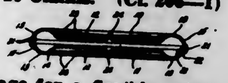
2,006,212

PACKAGE

Peter Grabler, Rocky River, Ohio, assignor to L. E. Shunk, Akron, Ohio

Application March 26, 1934, Serial No. 717,324

10 Claims. (Cl. 206—1)



4. A package for a flexible article comprising a pair of circular covers of metal foil adapted to be twisted by hand, each cover having a substantially flat portion and an annular portion surrounding the flat portion and raised thereabove, and the outer free edge of the annular portion of one cover being pressed tightly against and spun over upon the outer free edge of the other cover, whereby the package is tightly sealed but openable without tools by twisting in the hands, said annular portions being of a height to exert a reinforcing effect on the package as a whole and to furnish tightly embracing edges forming a sealed joint of considerable strength.

2,006,213

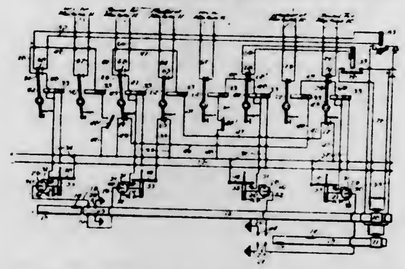
ELECTRIC CONTROL SYSTEM

Edgar N. Halliday, Chicago, Ill.

Application July 9, 1931, Serial No. 549,791

15 Claims. (Cl. 88—17)

1. The combination of two primary control circuits each including a switch operating magnet; two secondary control circuits each including a switch operable by one of said magnets; a grid glow control tube in each of said primary circuits; a moving picture projector including a traveling moving picture film carrying longitudinally spaced means for unbalancing and there-



by actuating said tubes in succession to actuate said primary circuits to actuate said switches to actuate said secondary circuits; and separate operating circuits operable by said secondary circuits and arranged to cause actuation of desired instrumentalities.

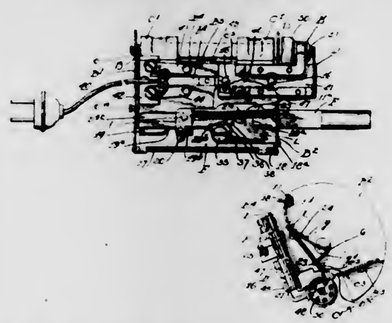
2,006,214

DISPENSING APPARATUS

Ivar Jeppsson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application January 27, 1934, Serial No. 708,561

6 Claims. (Cl. 312—86)



1. A dispensing device comprising a casing having a longitudinally extending chamber constituting a receptacle for a plural quantity of articles to be individually dispensed, the casing being formed for admitting a plurality of said articles to the upper part of the receptacle, the wall of the receptacle including two members, one of which is movable relatively to the other transversely of the length of the receptacle to open a passage laterally with respect to the articles in the receptacle for an individual article to pass the movable wall member to the lower side thereof; a seat in the casing positioned therein for receiving an individual article passing the movable wall member; means for operating the movable wall member to open the passage for the individual article to said seat, and means associated with the movable wall member and operated in the movement of the latter for stressing the individual article toward said seat.

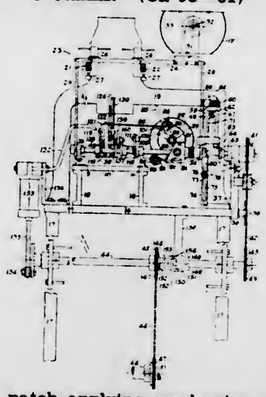
2,006,215

MECHANISM FOR MAKING AND APPLYING TRANSPARENT WINDOW PATCHES TO ENVELOPES

Henry Kassekert, Maple Shade, N. J., and Frank J. Kaeser, Philadelphia, Pa., assignors to E. J. Spangler Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 14, 1933, Serial No. 651,756

5 Claims. (Cl. 93—61)



1. In a patch-applying mechanism, the combination with a platen for an envelope blank having a window opening cut therein and adhesive freshly applied thereto around said opening, of a frame mounted to extend over and above said platen, a shaft mounted in said frame, means to support a roll of a ribbon of patch paper, the width of said ribbon being a little wider than the short dimension of said window, drawing means to normally draw said ribbon from said roll at a constant linear speed, a feed mechanism mounted in said frame and means driven by said shaft to intermittently rotate said mechanism to repeatedly advance, at each actuation thereof, a predetermined invariable length of said ribbon, said length being a little greater than the long dimension of said window in said blank, means to sever a patch from the free end of said ribbon after it has been advanced by said feed mechanism, stationary guideways mounted on said frame, in a fixed relationship with respect to said frame and engaging the opposite longitudinal sides of said ribbon to support the free end of said ribbon above the surface of said blank as it is advanced by said feed mechanism and to support said patch by its opposite longer side edges after severance from said ribbon, a patch-applying plunger mounted upon said frame and intermittently operated by said shaft to quickly force said severed patch downwardly, out from said guideway and to carry said patch to said envelope blank, over said opening and to press said patch into firm contact with said adhesive adjacent said opening.

2,006,216

INHIBITOR

Arthur Macarthur and Anthony James Hailwood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 21, 1933, Serial No. 657,844. In Great Britain February 26, 1932

12 Claims. (Cl. 148—8)

7. A cleaning and picking bath for metals com-

prising a dilute, non-oxidising acid and a small amount of a compound of the formula:



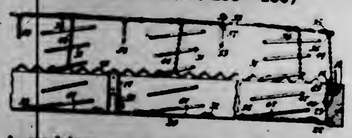
wherein R_1 is a long chain alkyl radical of not less than 8 carbon atoms, X is a hydroxyl or acid group, and wherein R_2, R_3 and R_4 are alkyl radicals or the valences at R_2, R_3 and R_4 are satisfied by including N in a pyridine ring.

2,006,217
OPTICAL SYSTEM FOR PHOTOGRAPHIC SOUND APPARATUS
James J. Morey, Chicago, Ill., assignor to Lennie L. Morey, Portland, Oreg.
Application February 10, 1932, Serial No. 591,937
Renewed December 4, 1934
4 Claims. (Cl. 88—24)



1. Means for performing the function of an optical slit comprising a pair of triangular prisms mounted laterally adjacent, in combination with a source of light and a condenser lens directing said light onto an oblique surface of one of the prisms, the other prism having an oblique face which is parallel to that of the first prism and mounted opposite the same to receive the reflected light, and a focusing lens system through which the light is reflected from said second prism; the face of the first prism through which the light is reflected from said oblique surface of said prism being partially masked to limit the cross section of the reflected beam emerging therefrom.

2,006,218
SPRING CUSHION FOR FURNITURE
Frank X. Nemmer and Albert W. Nemmer, Cheektowaga, N. Y.
Application February 17, 1934, Serial No. 711,746
2 Claims. (Cl. 155—180)



2. A cushion for furniture comprising a wall provided at its upper edge with a downwardly turned flange arranged on the exterior of said wall and forming a downwardly opening channel, a flexible covering having a marginal part extending into said channel, a clamping member arranged within said channel and engaging with the marginal part of said covering therein, and means for retaining said clamping member in said channel and in engagement with said marginal part of the covering consisting of a lip struck out of said wall and bent outwardly and upwardly against the underside of said clamping member, and that part of said wall adjacent to the free end and sides of said lip being deflected inwardly and forming a recess whereby access is obtained from the outer side of said wall to said lip for bending the latter from the wall against said clamping member.

2,006,219
BLANC FIXE
Howard S. McQuaid, Lakewood, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application February 17, 1934, Serial No. 711,731
2 Claims. (Cl. 23—122)

1. In the manufacture of barium sulfate, the steps comprising reacting such quantities of barium sulfide and ammonium sulfate as to leave no substantial excess of either, and separating, washing and drying the precipitated barium sulfate to volatilize adsorbed ammonium sulfid.

2,006,220
HOUSE CAR
John P. McWilliams and Frank Ditchfield, Cleveland, Ohio, assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1933, Serial No. 661,036
12 Claims. (Cl. 105—409)



5. A metal sheathed box car converted from a wood sheathed box car originally having a metal underframe of cross members and a Z-bar side sill with the web thereof horizontally overlying and secured to the tops of the cross members, the converted car having a Z-bar side sill with its web disposed vertically to thereby present its greater section modulus to vertical stresses, the lower flange of the Z-bar being secured to the tops of the cross members and the upper flange of the Z-bar projecting horizontally outwardly of the vertical plane through the ends of the cross members; metal posts anchored at their lower ends to the upper Z-bar flange; metal sheathing secured to the outer sides of said posts; and a side plate to which the upper edge portions of the sheathing are secured.

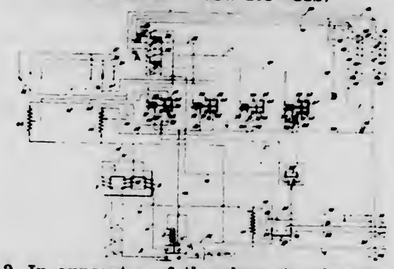
2,006,221
REGENERATION OF PLATINUM CATALYSTS
Earl S. Ridler, Shaker Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 22, 1933, Serial No. 677,173
15 Claims. (Cl. 23—238)

1. The process of regenerating a spent platinum catalyst deposited on a carrier which comprises impregnating said catalyst with a liquid preparation of a volatile organic carboxylic acid and substantially completely removing said treating agent from said catalyst.

2,006,222
TREATMENT OF PLATINUM CONTACT MASSES
Earl S. Ridler, Shaker Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 22, 1933, Serial No. 677,174
5 Claims. (Cl. 23—238)

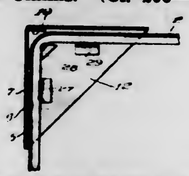
1. The process of regenerating a spent platinized sulfuric acid contact mass which comprises treating said mass with formic acid.

2,006,223
CONTROL SYSTEM FOR THEATER LIGHTING CIRCUITS
Albert Le Roy Upton, St. Louis, Mo.
Application January 16, 1933, Serial No. 651,868
14 Claims. (Cl. 175—312)



2. In apparatus of the character described, a reactor having a core adapted to be influenced by a unidirectional current, a plurality of direct current circuits, means for influencing said core by one only of said circuits at a time automatically according to the relative voltages of the circuits, and means for selectively varying the potential in said circuits.

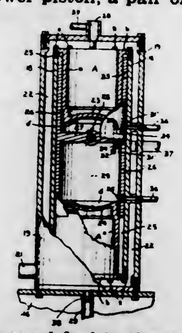
2,006,224
DEVICE FOR AND METHOD OF PACKING AND PROTECTING OBJECTS
Grable B. Weber, Chicago, and Albert D. Sanders, Jr., Evanston, Ill.
Application October 29, 1930, Serial No. 491,824
11 Claims. (Cl. 206—60)



2. A packing and protective device for table tops or the like, comprising a corner piece adapted to fit over a corner of said top, said piece having a projecting tongue portion adapted to engage said top to prevent ready removal of said piece when fitted over said corner.

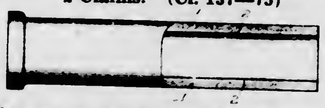
2,006,225
INTERNAL COMBUSTION ENGINE
Cornelius R. Wigness, Harlan, Iowa, assignor of one-fourth to William J. McDonald, Portsmouth, Iowa
Application March 1, 1933, Serial No. 659,144
1 Claim. (Cl. 123—61)

In a double acting internal combustion engine, a power cylinder closed at its ends and provided with a pair of inlet ports for compressed fuel, a pair of inlet ports for compressed air and a pair of exhaust outlet ports, a power piston working in and controlling the ports of the power cylinder and having cylindrical extensions open at their ends each provided with a single inlet port for compressed fuel, an inlet port for compressed air and an exhaust outlet port adapted, respectively, to register with a compressed fuel inlet port, a compressed air inlet port and an exhaust outlet port of said power cylinder and permitting formation of fuel mixtures in the cylindrical extensions of said power piston, a pair of conduits for



delivering compressed fuel to the fuel inlet ports of the power cylinder, a pivot-pin carried by the power piston and having an extension, a crankshaft connected with and rotatable by actuation of the power piston, an air pump cylinder provided at its ends with check valves, air tubes leading from the air pump cylinder to the air inlet ports of the power cylinder, a piston in the air pump cylinder and mounted on the extension of said pivot-pin for compressing and delivering compressed air to said air tubes by actuation of said power piston, and electrical devices for igniting the fuel mixtures to cause actuation of the power piston.

2,006,226
PIPE AND MEANS AND METHOD OF PROTECTING SAME
Robert Gordon Yaxley, Waterford, N. Y.
Application June 28, 1933, Serial No. 678,013
2 Claims. (Cl. 137—75)



1. A new article of manufacture comprising a metal conduit for carrying liquid and a lining of slag intimately and permanently fused on and bonded to the interior of the conduit for protecting the surface of said conduit against corrosion and deterioration, said lining being insoluble in the liquid carried by the conduit.

2,006,227
CONTACT INSECTICIDE
Euclid W. Bousquet, Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application October 19, 1932, Serial No. 638,600
8 Claims. (Cl. 167—22)

1. A contact insecticide comprising lecithin.

2,006,226
SLIDING DOOR
Harold F. Collins, Rockford, Ill., assignor to Howard D. Coleman, Rockford, Ill.
Application February 6, 1930, Serial No. 426,216
21 Claims. (Cl. 20—20)



1. The combination of a door having a plurality of panels hinged together in edge to edge relation, a door frame providing an opening with an abutment for engagement by marginal edge portions of the panels, a plurality of actuating elements pivotally mounted on the door panels, and a track engaged by said elements to guide the door in a plane approximately parallel to the door opening, said elements being swingable relative to the individual panels as the door approaches or leaves its closed position to impart to the individual panels a relatively abrupt movement toward or from the plane of the door opening whereby to carry said marginal edge portions toward or from said abutment.

2,006,229
ART OF COATING PAPER
Charles N. Cone and Earl D. Brown, Seattle, Wash., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 5, 1930, Serial No. 433,530
3 Claims. (Cl. 91—68)

1. The process of making non-sticking coated paper, which comprises extracting a vegetable protein from seed material, digesting such protein several hours at raised temperature in a weakly alkaline solution to a form soluble in lime water even after being dried out, dissolving the protein in a weakly alkaline solution and incorporating with the solution a larger amount of a finely divided lime-containing filler than the protein to form a slurry, applying such slurry of lime-containing material and changed vegetable protein to the paper, and drying, whereby a water-resistant non-sticking paper sheet is attained.

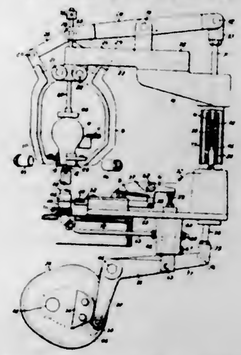
2,006,230
INDIA-RUBBER AND LIKE BALL
Edward John Debbins, London, England, assignor to Geogly Limited, London, England, a British company
Application April 19, 1933, Serial No. 666,815
In Great Britain November 14, 1932
4 Claims. (Cl. 273—58)

1. A spherical bouncing ball having high resilience and being easily deformable so that it will bounce effectively upon even comparatively soft surfaces and comprising at least one part of sponge rubber and at least one other part of hard rubber which parts are in such positions that the ball is more easily deformable by impact in cer-



tain radial directions than in others while bouncing effectively as a result of impact in all radial directions so that it is capable of rebounding at various unexpected angles and can be rapidly bounced and caught by the hand.

2,006,231
METHOD OF AND APPARATUS FOR SEALING ELECTRIC LAMPS AND SIMILAR ARTICLES
Frank J. Malley, Cleveland Heights, Ohio, and Ralph B. Thomas, Salem, Mass., assignors to General Electric Company, a corporation of New York
Application September 28, 1934, Serial No. 745,866
6 Claims. (Cl. 49—78)



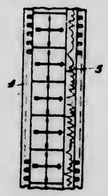
1. The method of sealing a bulb and stem tube together which consists in heating a portion of the neck of said bulb and the end portion of said tube until they are fused together to form a seal, in surrounding the said seal with a mold with its bottom portion separated from the bottom of said seal and then in blowing air into said bulb to force said seal against the said bottom portion of the mold and to move the stem tube longitudinally.

2,006,232
VEHICLE INSULATION
Charles A. Upson, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York
Application October 2, 1931, Serial No. 566,528
8 Claims. (Cl. 154—44)



1. A vehicle body construction including an outer body layer, characterized by a layer of felt paper and a layer of embossed paper on the inner side of said outer layer, and adhesive affixing said layers to each other and to said outer layer.

2,006,233
COMBINED PICTURE AND SOUND RECORDING AND REPRODUCTION IN MOTION PICTURES
Henri Chretien, Saint Cloud, France
Application January 28, 1929, Serial No. 335,565
In France April 29, 1927
1 Claim. (Cl. 88—16.2)



The improvement in the art of projected sound pictures which comprises first determining what portion of the available width of the film shall be devoted to the sound track, taking a picture while optically compressing it laterally to bring it within the space of the remaining portion of such available width, imposing the sound track upon said predetermined portion, and projecting said picture with optical restoration to its normal proportions while simultaneously reproducing the sound, whereby satisfactory uniformity and quality of sound reproduction may be obtained without sacrifice of size of projected picture.

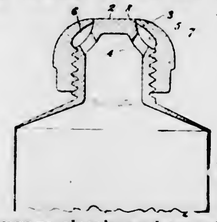
2,006,234
CONSTRUCTION OF BRUSH
Eric Leopold Hugo Cosby, London, England
Application November 21, 1934, Serial No. 754,140
In Great Britain June 17, 1933
2 Claims. (Cl. 15—143)



1. A brush comprising a back of spherical shape and cut away at one side, bristles secured to said cut-away side of the back and projecting therefrom, and a weight in the back between said cut-away side thereof and a diametrical plane through the back opposite to said cut-away side and providing a preponderance of weight adjacent to the bristles to cause the bristles and the back to rest on a support when placed thereon.

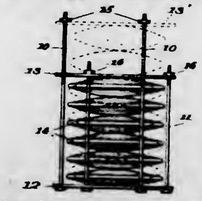
2,006,235
SEALING DEVICE FOR COLLAPSIBLE TUBES AND THE LIKE
Serafino De Faveri and Riccardo Cimatti, London, England, assignors to Monocap Limited, London, England
Application October 31, 1934, Serial No. 750,876
In Great Britain September 28, 1933
7 Claims. (Cl. 221—60)

1. A closure for collapsible tubes and other containers of the kind set forth, comprising an apertured delivery nozzle in the form of a truncated cone of sharp taper and of small depth in proportion to its base diameter, having an incurved surface whereby the nozzle is given an increasing taper from tip to root, and a cap adjustable on this nozzle and terminating at its outer end in a narrow ring having a rounded conical edge



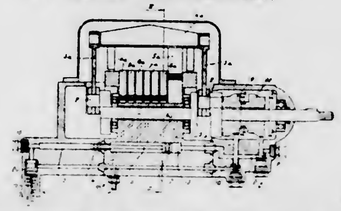
adapted to engage closely and smoothly over the smaller end of the said nozzle.

2,006,236
FEEDING RESERVOIR FOR OIL FILLED CABLES
Luigi Emanueli, Milan Italy, assignor to Societá Italiana Pirelli, a company of Italy
Application November 24, 1931, Serial No. 577,140
In Italy December 10, 1930
2 Claims. (Cl. 137—71)



1. Apparatus for maintaining pressure in fluid filled high tension electric cables, comprising an enclosed feeding reservoir in communication with a fluid filled cable, a hermetically sealed cell within said reservoir containing an expansible gas and serving to vary the capacity of said reservoir in accordance with the pressure of fluid therein, and a pair of discs having rods therebetween serving normally to compress said cell whereby the gas within said cell is constantly maintained at a pressure greater than atmospheric pressure.

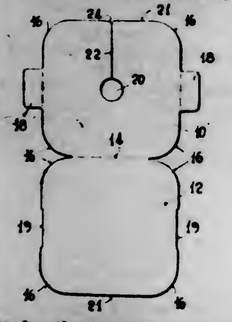
2,006,237
HYDRAULIC ENGINE
Elysee Marius Eynard, Boulogne-Billancourt, France
Application March 24, 1934, Serial No. 717,252
In France April 7, 1933
3 Claims. (Cl. 121—120)



1. In combination with a motor adapted to be driven by hydraulic power, a distributor for controlling the supply of pressure fluid to said motor, comprising, in combination, a slide valve including two coupled differential pistons adapted to move in corresponding cylinders, interconnected fluid inlets for admitting fluid to the opposite ends of said cylinders, the larger of said cylinders

communicating with said motor in such wise that while the smaller piston is subjected to the full pressure of said fluid the larger piston is subjected to said pressure reduced by the loss of head determined by the load on said motor, and pressure control means mounted in the fluid inlet to said larger cylinder for preventing admission of fluid into said larger cylinder until the pressure of the fluid has reached a predetermined value.

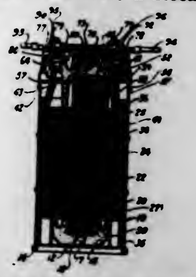
2,006,238
COCKTAIL SKIRT
Irving Fierman and Rosemary Reiwing, New York, N. Y.
Application January 22, 1935, Serial No. 3,131
3 Claims. (Cl. 66—53)



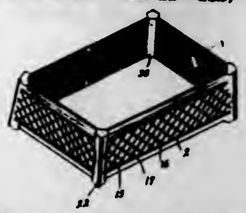
1. A cover for the base of a receptacle having a stem and an enlarged base below the stem, said cover being formed of a single piece of sheet material, and comprising upper and lower cover members integrally joined along the central portion of one edge, flaps on the two adjacent edges of the cover member passing beneath and secured to the lower face of the lower cover member, the other edge of the upper and lower cover members being unconnected, the edges of the lower cover member over which the flaps are folded having cut out portions therein so that the flaps do not extend beyond said edges, said upper cover member having a central aperture therein of such size as to receive and accommodate the stem of a receptacle, and a slit having its edges substantially in contact with one another connecting said opening and the free unconnected edge of the upper cover member, the corners of said slit at the unconnected edge being rounded, the corners of said upper and lower cover members being unconnected and rounded so that said cover member may fit bases of varying size and shape without bulging, the upper cover member having some portions only of its total area in the plane of contact with the base, whereby a plurality of lines of contact between the cover member and the base are provded so that when the base becomes damp the cover will hold more firmly thereon.

2,006,239
IGNITION COIL CONSTRUCTION
Adelbert J. Gegel, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application April 30, 1934, Serial No. 721,569
1 Claim. (Cl. 175—361)

An ignition coil including in combination, a plurality of windings enclosed by a metallic casing; a non-conducting cover forming part of said casing; terminals for said windings carried by said cover; a removable closure coacting with said cover to form a chamber enclosing a terminal for one of said windings, said removable cover being provided with openings through which terminals carried by the non-conducting cover project, the removable cover being provided with a lateral opening through which extends the circuit connector for the terminal located within said chamber; a block of compressible rubber having an upwardly projecting peripheral rib engageable with the removable cover; said block of rubber having a semi-cylindrical groove engageable with the circuit connector for effecting a hermetical seal for said chamber; and means associated with said primary terminals for holding said removable cover in position compressing said block of rubber into intimate contact with the cover and the circuit conductor.



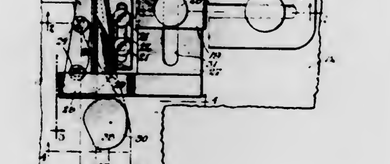
2,006,240
MOLD JACKET
James F. Hines, Lakewood, Ohio
Application April 11, 1931, Serial No. 529,422
3 Claims. (Cl. 22—112)



1. A mold jacket having its outer surface formed with a plurality of intersecting ribs reenforcing a side plate element, and edges of approximately the depth of said ribs and of outwardly concave arcuate cross section extending along the top and bottom of said side plate element, the inner extremity of said arcuate edge intersecting said ribs, and the outer extremity of said arcuate edge being approximately tangent to the inner surface of the jacket.

2,006,241
METHOD OF FELLING AND CUTTING FELLED TREES
Thomas Hutchinson, Newport, Oreg.
Application January 30, 1935, Serial No. 4,156
2 Claims. (Cl. 144—34)

1. The method of felling and cutting felled trees including the making of mechanically cut holes in a row partly through a tree, making a mechanically cut main hole through the tree at one end of the first-mentoned holes, then making two rows of mechanically cut holes positioned at an angle to the said row of holes so that they will merge into said main hole, the last-mentioned holes being on the opposite side of the tree to the first-mentioned holes, and finally



cutting away the material contained between the respective holes.

2,006,242
AUTOMOBILE LIFTING DEVICE
Tomoso Imai, Honolulu, Territory of Hawaii
Application July 31, 1934, Serial No. 737,794
8 Claims. (Cl. 254—86)



1. An automobile lifting device comprising a bracket member having means for attaching it to an axle of an automobile, a pair of lifting arms pivoted intermediate their ends on said member to swing vertically, a cross member, links operatively connecting said cross member and the inner ends of said arms, and means supported on said bracket member and connected to said cross member for actuating the latter, said links and said lifting arms.

2,006,243
PIPING ATTACHMENT FOR SEWING MACHINES
Adam Jekulaitis, Brooklyn, N. Y.
Application January 2, 1935, Serial No. 126
4 Claims. (Cl. 112—137)

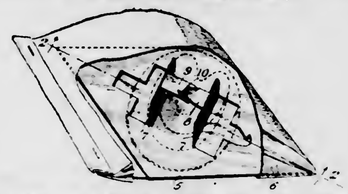
1. A piping attachment for sewing machines comprising a plate, means for attaching the plate to a sewing machine, a folder sleeve connected to said plate, a lever pivoted to said plate, and a folder arm on said lever adapted to cooperate with the folder sleeve on the plate and the sewing machine to pipe cloth fed through said folder sleeve.

2,006,244
LIQUID-SEPARATING DEVICE
Julius F. Kopsa, Chicago, Ill.
Application July 10, 1933, Serial No. 679,674
8 Claims. (Cl. 183—77)



1. In a device for separating liquid in suspension from gas, the combination of an elongated, vertical extending casing, a tubular, vertically extending shell disposed in the casing in spaced relation with respect to the side wall thereof and provided with circumferential side openings, means associated with the casing for directing the gas vertically through the shell, a deflector mounted in the shell for rotation on a vertical axis and having radially extending blades whereby it is caused to rotate in response to passage of the gas through the shell and the liquid in suspension is caused by centrifugal force to be thrown outwardly, and a washer-shaped element disposed wholly within the shell and so that it underlies the blades of the deflector and having an outwardly and downwardly inclined top face for directing the liquid thrown outwardly by the deflector through the side openings in the shell and into the space between the shell and the side wall of the casing.

2,006,245
HAT BRIM PROTECTOR
James H. Marshall, Hamlet, N. C., assignor of one-half to Francis E. Campbell and one-fourth to Clyde C. Kirkley and Noah M. Gibson, all of Hamlet, N. C.
Application May 21, 1934, Serial No. 726,806
1 Claim. (Cl. 223—18.6)



A protector of the character described comprising a single sheet of relatively stiff flat material, a pair of normally flat flaps of a size approximating the interior length of a hat crown cut from the sheet of material at its center in spaced relation to each other and adapted to be bent to extend at right angles from one face of the sheet of material in parallel relation to each other for their snug fitting within the crown of the hat the dimension of the sheet between and parallel to the upstanding flaps being greater than the length of the flaps to have the hat brim

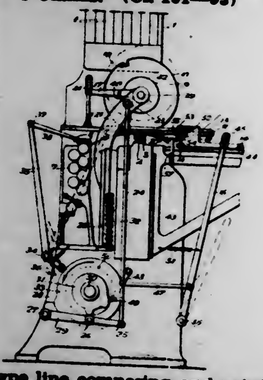
rest upon the sheet of material, and tongues on the said flaps and separably interlocked with each other to hold the said flaps in their right-angular disposition relative to the sheet of material, the said flaps and sheet of material being adapted to maintain shape to the brim and crown of the hat.

2,006,246

TYPE LINE COMPOSING AND PRINTING MACHINE USING CIRCULATING PATRICES

Paul Marti, Winterthur, Switzerland, assignor to Schweiz. Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland

Application August 8, 1933, Serial No. 684,245
In Germany August 16, 1932
3 Claims. (Cl. 101—93)



1. In a type line composing and printing machine of the type described, in combination, a printing device having a rotatable printing cylinder, means for rotating said cylinder by steps, a resilient printing form mounted on said cylinder, a device for feeding printing paper into printing position under said cylinder between two successive printing operations of said printing device, a type line setting device, a spacer or justifier device, an inking device correlated to said printing device and adapted for inking in a set type line under said cylinder before two successive printing operations of said cylinder with the rotational adjustment of the latter unaltered, and means for driving said printing device, said printing paper feed device, and said inking device in timed relationship to print a transparent sheet fed to said cylinder on both sides during the second of said successive printing operations by contact of one side directly with the ink still present on the respective type line and of the other side with the part of the ink transferred from said type line onto said printing form during the first of said successive printing operations.

2,006,247

LEASHING OF HANKS OF YARN

Percy William Metcalfe, Halifax, England, assignor of one-half to Clayton Metcalfe & Company, Limited, Halifax, England, a corporation of Great Britain

Application May 25, 1933, Serial No. 672,888
In Great Britain June 1, 1932
2 Claims. (Cl. 28—21)

1. A method of leashing hanks of yarn consisting of automatically stopping the reeling machine every time a predetermined length of yarn has been wound on the reel, separating and indicating each length by lease bands, securing the convolutions of the completed hank as in ordinary reeling



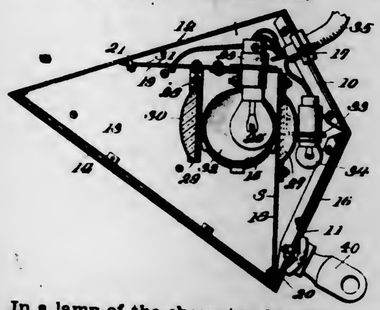
with a tie band, and securing the starting and finishing ends of the hank to said band.

2,006,248

HEADLIGHT

Herluf Nielsen, New York, N. Y.

Application October 2, 1933, Serial No. 691,847
12 Claims. (Cl. 240—7.1)



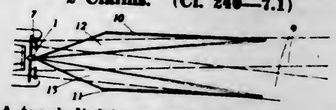
1. In a lamp of the character described, a casing provided with a forwardly and downwardly inclined top wall and with laterally and downwardly inclined side walls, a support member located within said casing and having an overhanging portion, lamp supporting means carried by said overhanging portion, and auxiliary lamp casings on said side walls each provided with lamp supporting means, said auxiliary casings being so constructed and arranged as to project rearwardly and slightly laterally directed beams of light from the lamps therein.

2,006,249

PROJECTING LAMP FOR MOTOR VEHICLES

Ottmar Rall, Zurich, Switzerland

Application January 20, 1933, Serial No. 652,615
In Switzerland November 19, 1932
2 Claims. (Cl. 240—7.1)



1. A track light projecting lamp for motor vehicles, comprising in combination: a casing arranged on the vehicle; a source of light in said casing comprising two linear incandescent filaments arranged at an angle to one another; and an objective for projecting images of said incandescent filaments in substantial alinement with

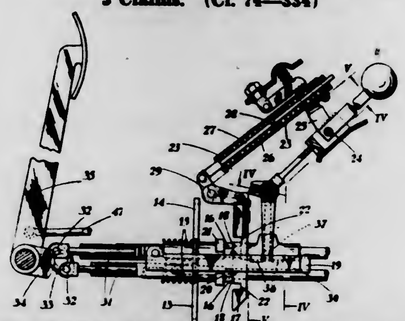
the wheels of the vehicle, whereby two narrow brightly illuminated bands of light visible from a distance and indicating the track width required by the vehicle are projected on to the road on which the vehicle is travelling.

2,006,250

CHANGE SPEED MECHANISM

Percy Riley, Coventry, England

Application October 12, 1934, Serial No. 748,120
In Great Britain October 12, 1933
3 Claims. (Cl. 74—334)



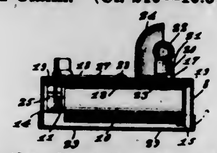
1. A preselective change-speed mechanism comprising two portions in series, a common selector control, one portion having a striking fork operable as a result of the lateral movement of the selector control and the other portion having a striking fork operable as a result of a movement of the selector control in another direction, connections between the portions and the selector control whereby movements of the selector control load springs by which the necessary movement of the striking forks is effected, a main control, and means whereby the necessary movement of the striking forks is effected only on the operation of the main control.

2,006,251

LIGHTING UNIT FOR LANTERNS

Irving E. Rollins, Worcester, Mass.

Application July 13, 1934, Serial No. 735,057
1 Claim. (Cl. 240—10.67)



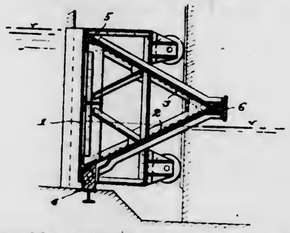
A unit of the character described comprising a casing having upper and lower sections separably interfitted with each other, the upper section constituting a body part of the casing and the lower section a lid part, the latter being telescopically fitted upon the body part and serving as a base, an insulating plate on the upper section, a battery clip carried by said plate and holding a battery therein, a contact engaged with the clip and exposed through the upper section, a bulb socket about said contact, a lighting bulb within the socket and engaged with the contact, the said clip being adapted for engagement with one pole of the battery, a saddling clip for engagement with the other pole of the battery and having a contact closed through the upper section, and a switch blade engageable with the last-named contact and pivoted to the upper section for closing a circuit between the bulb and battery.

2,006,252

MOVABLE WEIR

Hans Zimmermann, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany

Application February 10, 1932, Serial No. 592,103
In Germany January 23, 1931
6 Claims. (Cl. 61—28)



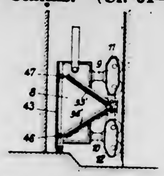
1. A movable weir of the Stoney roller type comprising a weir body consisting substantially of two main girders and a weir wall and having a continuous triangular cross section, the said main girders and the weir wall representing the sides of the triangle, said body also including two beams for the main girders located adjacent the upper and lower edges of the weir wall and a common beam for connecting the main girders, said beams forming the edges of the triangle.

2,006,253

MOVABLE WEIR

Hans Zimmermann, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany

Application July 9, 1934, Serial No. 734,412
In Germany October 29, 1931
3 Claims. (Cl. 61—28)



1. Movable weir of the Stoney roller type the body of which has a quadrangular cross-section comprising a weir wall, upper and lower main girders, the said main girders being substantially parallel and connected at their one end with the weir wall, beams at the ends of the main girders, lateral end plates to which the beams are connected, the beams at the free ends of the main girders being substantially parallel in a horizontal level except their end members in the end field, which end members are so inclined that they converge and intersect each other in the end plates in a single point so that a triangle of beams is formed in the end fields.

2,006,254

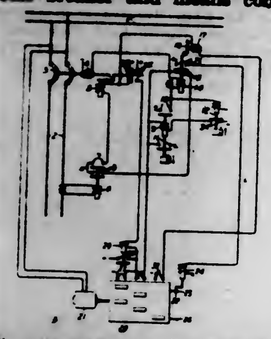
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application August 23, 1934, Serial No. 741,085
8 Claims. (Cl. 175—294)

1. In combination, two electric circuits, a circuit breaker interconnecting said circuits, and means for effecting a substantially instantaneous

reclosure of said circuit breaker including fault responsive means for effecting the opening of said circuit breaker and means controlled by



said fault responsive means for initiating the closing operation of said circuit breaker prior to the opening thereof.

2,006,255

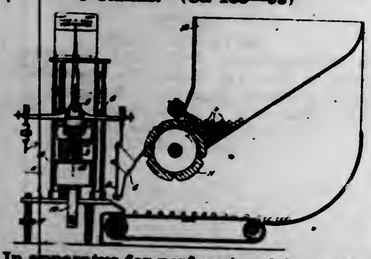
DAMPENER FOR WEIGHING APPARATUS

Cyril Best, Deptford, London, England

Application January 12, 1935, Serial No. 1,562

In Great Britain January 9, 1934

6 Claims. (Cl. 188—93)



1. In apparatus for performing delicate weighing operations of the type provided with a weigh-beam, means associated with said weigh-beam for damping oscillations induced therein, said means comprising a vane moving in a fluid and having at least a portion thereof flexibly connected with said weigh-beam, whereby the said flexibly connected portion of the vane may lag behind the weigh-beam in reaching a state of equilibrium during a weighing operation.

2,006,256

TREATING SCRAP STORAGE BATTERY PLATES AND LEAD-BEARING MATERIALS OF SIMILAR COMPOSITION

Jesse O. Betterton and Charles W. Hanson, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 13, 1932, Serial No. 633,943. Renewed December 28, 1934

11 Claims. (Cl. 75—15)

1. In the treatment of material containing high percentages of lead contaminated with antimony, such as storage batteries and the like, the process which consists of charging a quantity of such material together with approximately 1.6% of its weight of petroleum coke fines to a reverberatory furnace containing the litharge and antimony oxide resulting from the final softening stage of the preceding charge, maintaining the furnace at a temperature of 1600° F. to 1850° F. until the material is completely melted and three molten layers form in the furnace comprising a top slag layer of oxidized lead and antimony, an intermediate layer of molten matte and a bottom layer of metallic lead containing some antimony, applying finely divided petroleum coke to the top layer whereby a substantial portion of the lead in said layer is reduced to the metallic state, removing the first and intermediate layers from the bath, agitating the remaining bottom layer under oxidizing conditions until the antimony content of the softened lead is below .02% and tapping the softened lead from the furnace

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2,006,257

SMELTING SCRAP BATTERY PLATES AND THE LIKE

Jesse O. Betterton, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 12, 1933, Serial No. 651,361. Renewed December 28, 1934

12 Claims. (Cl. 75—15)

1. The process of treating scrap battery plates which comprises mixing said plates with approximately 1.6% of their weight of petroleum coke, charging same to a reverberatory furnace containing oxides of antimony and lead from the preceding charge, smelting same therein at a temperature of from 1650° F. to 1850° F., adding a mixture of soda ash and petroleum coke in the approximate respective quantities of two percent and one-third of one percent of the weight of the scrap treated thereby forming a top slag layer of sodium sulphate, an intermediate slag layer containing 30% to 35% antimony and a bottom layer of lead containing less than two percent antimony, removing the top and intermediate slags from the furnace, subjecting the lower remaining layer to oxidizing conditions sufficient to soften the lead and reduce its antimony content to below 0.05% and tapping the softened lead from the furnace.

2,006,258

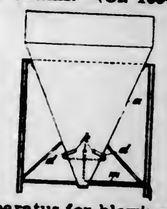
DEVICE FOR BLOWING FIRE-EXTINGUISHING GAS INTO STORAGE BINS CARRYING MORE OR LESS FINE MATERIALS

Martin Betzler, Neuruppin, Germany, assignor to the firm Minimax A.-G., Berlin, Germany

Application September 24, 1934, Serial No. 745,371

In Germany June 6, 1931

3 Claims. (Cl. 169—2)



1. In an apparatus for blowing fire-extinguishing gas into material in a finely divided state, a container for said material, a feed pipe for the gas extending into said container in position to be covered by said material, and a porous envelope surrounding the discharge end of said feed pipe for obtaining a distribution of the extinguishing gas at low speed to prevent any turbulent action of the finely divided material and consequent explosions.

2,006,259

ZINC SULPHIDE AND PROCESS OF MAKING THE SAME

John Henry Calbeck, Joplin, Mo., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

No Drawing. Application September 6, 1933, Serial No. 688,413

26 Claims. (Cl. 134—78)

1. The process of precipitating a basic zinc sulphide, comprising treating a zinc sulphate solution with a water soluble thiosulphate and adding a base at a rate equivalent to the rate of reaction between the zinc and thiosulphate.

23. As a new article of manufacture, a precipitated zinc sulphide pigment consisting mainly of individual crystals of substantially uniform size and shape as precipitated and characterized by having the color strength, combined with whiteness and brightness, comparable to titanium dioxide.

2,006,260

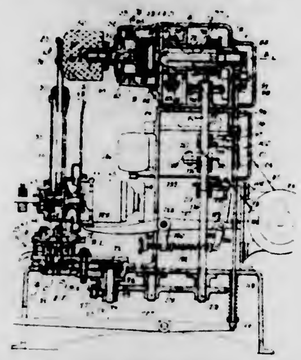
HAT WORKING MACHINE

Marcel Cassé, Essonnes, France

Application October 12, 1931, Serial No. 568,463

In France December 24, 1930

22 Claims. (Cl. 223—30)



1. A hat working mechanism of the type described comprising in combination, a cinematic mechanism including a rigid member, two parallel spindles journalled in said member, a third spindle parallel to the two above mentioned spindles, located in the same plane as said spindles and also journalled in said member, transmission means for connecting the two first mentioned spindles to one another, whereby they are caused to rotate one with respect to the other at respective speeds of revolution whose ratio is equal to the reciprocal of the ratio of the respective distances from said two spindles to the third mentioned spindle, said speeds of revolution and said distances being counted algebraically, a fourth spindle rigidly connected to one of the two first mentioned spindles and parallel thereto, a rigid member to which the fourth spindle is journalled, said last mentioned rigid member being adapted both to slide and rotate with respect to the third mentioned spindle, a tool supported by said last mentioned rigid member so as to move along a hypocycloid corresponding substantially to a section of the hat by a plane at right angles to its base, a second cinematic mechanism of the same type, a block for supporting the hat adapted to be actuated by the last mentioned mechanism, and means for connecting said two mechanisms to one another adapted to maintain the tool in a tangential position with respect to the piece of work.

2,006,261

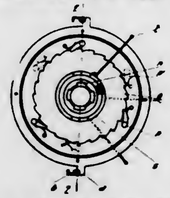
RATCHET DEVICE FOR PREVENTING THE REARWARD MOTION OF POWER DRIVEN VEHICLES

Atille Catella, Paris, France

Application September 10, 1931, Serial No. 562,175

In France September 12, 1930

2 Claims. (Cl. 188—81)



1. A device of the character described comprising a driving shaft, a pair of ratchets loosely carried by said shaft and each disposed in reverse relation to the other, pawls positioned for cooperative engagement with said ratchets, and clutch means operable to connect either of said ratchets to the shaft.

2,006,262

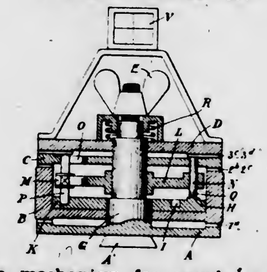
MECHANISM FOR ANGULAR ADJUSTMENT OF GUN SIGHTS

Gustave Charvet, Paris, France, assignor, by mesne assignments, to Anciens Etablissements Barbier, Benard & Turenne, Paris, France, a French company

Application July 13, 1931, Serial No. 550,598

In France July 21, 1930

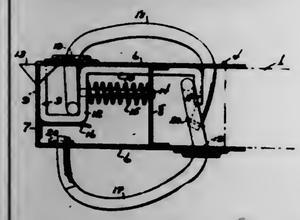
3 Claims. (Cl. 33—59)



1. In a mechanism for angular adjustment, more particularly adapted for goniometric sighting instruments for firearms, the combination of a stationary member, a movable member provided with a slot, and an intermediate member, said members being provided with coupling teeth for selective interconnection with one another, the number of teeth in one tooth coupling differing from the number of teeth in the other tooth coupling, a cam operatively connected with said intermediate member, a guiding member fixed with respect to said stationary member, and a stop member engaging said cam, said guiding member and said slot in said movable member, said guiding member and said slot having such an inclination with relation to each other that when said intermediate member is advanced with reference to the stationary member by one tooth of the coupling between the stationary member and the intermediate member, said intermediate

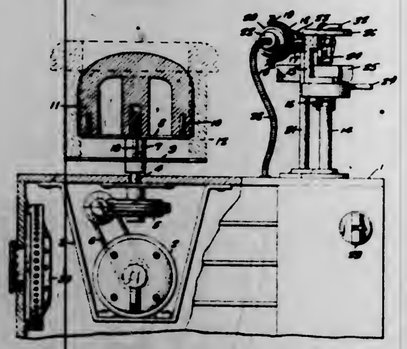
member will also be advanced with reference to said movable member by one tooth of the coupling between said intermediate and said movable members.

2,006,263
DOORLOCK
Bernard J. Cosmos, Bristol, Ill.
Application May 1, 1934, Serial No. 723,391
2 Claims. (Cl. 292—173)



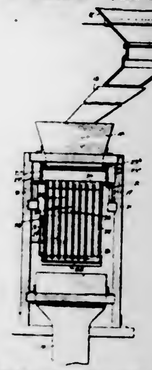
1. A latch comprising a casing, a spring pressed latch bolt slidable in said casing, said casing having pairs of openings in opposite walls thereof, substantially U-shaped handles extending through the openings, means pivoting the handles to the casing adjacent one end of said handle, pins carried by the other ends of the handles for limiting the sliding movement of the handles relative to the casing in one direction, offset portions on the latch bolt, said pivoted end of the handles engaging the offset portions whereby a push on one handle will retract the latch bolt or a pull on the other handle will retract the latch bolt.

2,006,264
HAT IRONING MACHINE
Hari Couyoumjian, Detroit, Mich.
Application July 11, 1933, Serial No. 679,943
5 Claims. (Cl. 223—28)



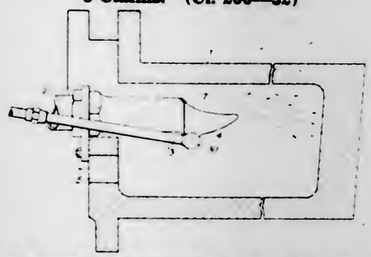
1. A hat ironing machine comprising a main support, power driven means for rotatably supporting hat forms to the main support, a standard rising from the main support, a bracket rotatably secured to the standard, a rod slidably secured to the bracket and extending horizontally therefrom over the main support, a hollow lever pivotally and slidably connected adjacent one end to said rod, a hand grip for said lever, and an electric iron pivoted to the other end of the lever.

2,006,265
METHOD OF AND APPARATUS FOR TREATING GRAIN FOR EXTERMINATION OF INSECT LIFE THEREIN
Jesse H. Davis, Baltimore, Md.
Application April 29, 1933, Serial No. 668,311
21 Claims. (Cl. 175—311)



1. In an apparatus for transporting and treating grain, means for conducting a stream of grain to be transferred from one point to another, an exterminator in the line of feed presenting a plurality of parallel electrodes providing grain flow passages operative to divide the grain into a plurality of smaller streams and forming correspondingly shaped high frequency oscillation fields, and a high frequency oscillation generator including said electrodes for generating and passing high frequency oscillations through said fields.

2,006,266
PROCESS FOR COOLING FURNACES BY MEANS OF COOLING CHAMBERS
Gustav Dörrenhaus and Simon Walter, Mulheim-Ruhr, Germany, assignors to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Application June 9, 1934, Serial No. 729,862
In Germany June 23, 1933
8 Claims. (Cl. 266—32)

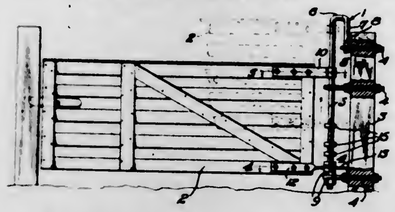


1. A process for cooling furnaces by means of cooling chambers, in which the cooling agent is sprayed in atomized condition against the cooling surfaces of the cooling chamber by means of compressed air.

3. A process for cooling furnaces by means of cooling chambers in which a cooling stream is introduced into the chamber and a stream of air is caused to act upon said cooling stream under a pressure of about 0.1–0.2 atm. so that the cooling agent is atomized and sprayed against the cooling surfaces of the cooling chamber.

CARNEGIE LIBRARY OF ATLANTA

2,006,267
GATE HINGE
Cyrus Feltz, Swaysee, Ind.
Application May 1, 1934, Serial No. 723,403
2 Claims. (Cl. 16—132)



1. A hinge comprising a vertically arranged rod, eye bolts receiving said rod and adapted to be secured to a supporting post, said rod having its upper end bent angularly and downwardly to form a stop and a shank, an eye bolt connecting the shank to the supporting post, a lug on the shank and adapted to abut the post, strap members rotatably and slidably mounted on the rod and adapted to be secured to a gate and capable of moving horizontally for a limited distance with respect to the rod, one of said strap members having a key hole slot to receive the rod, and means adjustably secured to the rod to act as supporting bearings for the last-named strap member and capable of passing through the keyhole slot thereof when the gate is placed in an inclined position with respect to the supporting post.

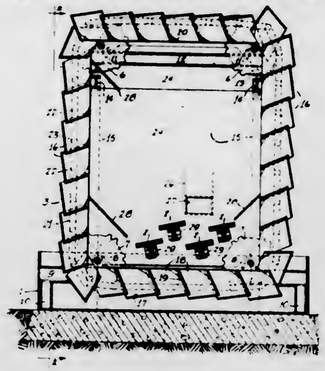
2,006,268
FASTENER FOR BAGS
Ludwig Thomas Geiger and Richard Geiger, Vienna, Austria
Application October 16, 1933, Serial No. 693,879
In Austria January 12, 1933
2 Claims. (Cl. 292—207)



1. In a fastener for bags of the type in which a slide adapted to move in sliding engagement with and longitudinally of one hinged frame member is capable of being brought selectively into and out of the range of a clasp member pertaining to the other hinged frame member, a slide adapted to move, in the plane of the said first hinged frame member, not only longitudinally of the said frame member but also at the same time in a direction substantially at right angles thereto, an inclined guide track for the said slide disposed in the said plane, and a clasp member of uniform and unvaried shape throughout adapted to be liberated for the opening of the fastener by the movement of the said slide clear of the upper edge thereof.

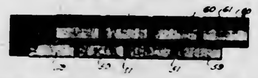
2,006,269
ORE REDUCING MACHINE
Alvah D. Hadsel, Oakland, Calif.
Application February 7, 1933, Serial No. 655,647
5 Claims. (Cl. 83—46)

1. In an ore reducing machine, a tank for holding water, a breaker plate supported above the water and at a slight angle to the surface thereof, means for dropping ore on the breaker plate from a height sufficient to insure chipping of the ore whereby the ore is made to drop from the breaker plate in comminuted form and the finer particles of ore are made to float on the



water while the coarser particles descend, the ore dropping means including means for catching the coarser particles below the surface of the water and for relifting the same for further dropping and having spaced openings for allowing the tank water to rush therethrough for washing out the fines.

2,006,270
ROOFING AND SIDING ELEMENT
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application September 24, 1930, Serial No. 484,079
13 Claims. (Cl. 108—7)

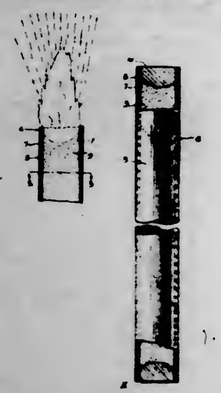


1. Building material comprising an elongated body portion forming a base, tabs foldable toward one another from opposite longitudinal edges of said base to a superimposed position thereon wherein the lines of fold are in line with the upper and lower edges of the finished product, said tabs being separated by intervening transverse spaces which form spaced apart depressions defining a plurality of raised figures formed by the superimposed tabs, and said superimposed tabs on the two edges terminating short of meeting to provide a depressed longitudinal definition line for cooperation with the transverse depressions in setting off the figures formed.

2,006,271
PYROTECHNIC DISPLAY
Ray C. Hitt, Seattle, Wash.
Application October 13, 1931, Serial No. 568,595
2 Claims. (Cl. 102—20)

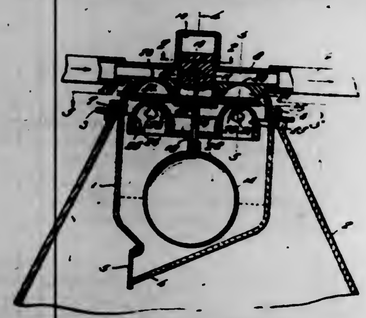
1. A pyrotechnic display comprising a thin casing treated with a slow burning material, a fireworks composition containing spark producing metallic particles in said casing, said casing and fireworks composition adapted to be ignited at one end of said casing, the casing being of slower burning material than said composition, a chimney formed by said slow burning casing, said chimney confining for a short dura-

tion gases formed from the burning composition, said gases forcing the flames from the burning



composition out of said casing to give a sparkler effect.

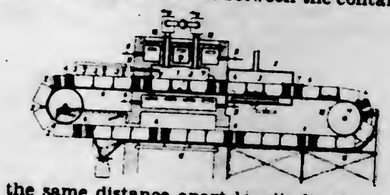
2,006,272
MILKING-MACHINE ATTACHMENT
Ralph Walter Hurlburt, Sheffield, Mass.
Application June 21, 1932, Serial No. 618,940
4 Claims. (Cl. 31—58)



1. The combination with a milking machine including a suction line for drawing milk from a cow, of means interposed in said suction line for diverting a quantity of the milk, said means including a container communicating with the suction line for receiving the milk therefrom, interconnected valves controlling the suction line and the communication between said suction line and the container, and common means for actuating the valves.

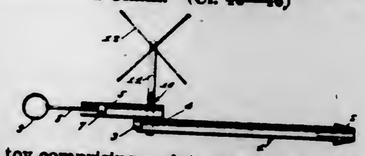
2,006,273
APPARATUS FOR THE DISTILLATION OF OIL
Alfred Knudsen, Astra (Chubut), Argentina
Application September 12, 1933, Serial No. 689,189. In Germany September 22, 1932
9 Claims. (Cl. 202—117)

1. In apparatus for the distillation of oil material to coke, a distillation chamber having means for heating it on all sides and provided on opposite sides respectively with two openings having frames fixing them, a chain of distillation containers mounted to travel through said openings and the distillation chamber, and resilient sealing members adapted to close the two openings and arranged in the chain between the containers



at the same distance apart longitudinally of the chain as the distance between said openings.

2,006,274
TOY
John Kushner, Farrell, Pa.
Application April 3, 1934, Serial No. 718,849
1 Claim. (Cl. 46—46)



A toy comprising a plate provided adjacent one end with closely related openings, a mouth tube frictionally engaging the walls of one of said openings and provided adjacent the plate with an air port, a cylinder frictionally engaging the walls of the other opening and having one end located close to the air port and paralleling the tube, said plate having a bifurcated portion to form spaced arms extending from the cylinder, a paddle wheel journaled to said arms and located in the path of the air passing from the end of the cylinder from the air port, and a manually actuated plunger slidable in the cylinder.

2,006,275
KNITTED YARN AND FABRIC MADE THEREFROM
Franz Meiwald, Vienna, Austria
Application May 21, 1932, Serial No. 612,687
In Austria October 15, 1931
7 Claims. (Cl. 66—169)

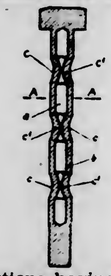


1. A yarn composed of a plurality of threads knitted into a plurality of individual courses of loops spaced in the direction of the courses with floats between the adjacent loops, the loops of each successive course extending part-way into the spaces between the adjacent loops of the next preceding course, and crossing with their floats the loops of said preceding course, whereby the bight ends of the loops of adjacent courses form a zigzag line, the general direction of which line follows the direction of said adjacent courses.

2,006,276
SAFETY BOLT
Victor Nodière, Saint-Etienne, France
Application November 27, 1933, Serial No. 699,992
In Germany December 2, 1932
2 Claims. (Cl. 85—1)

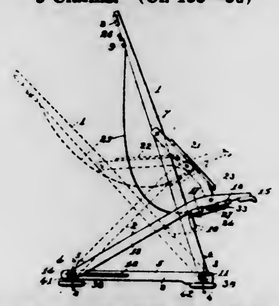
1. A resilient threaded bolt which will retain its nut under vibration having a threaded portion and a shank, said shank being provided with a central bore, said shank being

further provided with spaced depressed ring portions having sharply curvilinear cross-sectional boundaries in the general direction of the axis of said bolt, the centers of curvature of said curvilinear boundaries being outside said



bolt, said ring portions having a wall of thickness which increases from a minimum value at the point of maximum diameter of said ring portion to a maximum value at the point of minimum diameter of said ring portion.

2,006,277
FOLDING ROCKING CHAIR
Olaf J. Olsen, Miami, Fla.
Application June 24, 1929, Serial No. 373,380
5 Claims. (Cl. 155—56)



2. In a chair of the class described a base comprising a pair of straight parallel bars extending from front to rear, the rear portions of said bars being formed with longitudinally extending slots, a back frame pivotally connected to the forward ends of said base bars to oscillate thereon and a seat frame having pivot pins pivotally and slidably mounted in said slots, said seat frame being adapted to oscillate on said pins, and supporting blocks connected under the front and rear ends of the base bars respectively, the blocks at the rear ends being pivotally supported with respect to the base bars, as and for the purpose described.

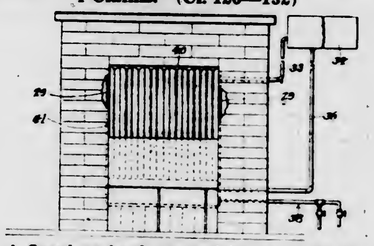
2,006,278
RIMLESS ENDPIECE MOUNTING
Emanuel Pappert, Long Island City, N. Y., assignor to George P. Kimmel, Washington, D. C.
Application April 22, 1933, Serial No. 667,454
16 Claims. (Cl. 88—53)

1. An endpiece for rimless spectacles of the type having the lenses formed with straight, horizontal top edges comprising a horizontally disposed arm, said arm being formed with a channel for receiving the outer end part of the top edge of and for overlapping a lens in proximity to said edge whereby said top edge is arranged in parallelism to said arm, said channel opening at the inner end of said arm, and said arm being formed with spaced depending apertured ears opposing opposite faces of the lens and being adapted for the passage of holdfast means in proximity to the top edge of the lens for anchoring the latter



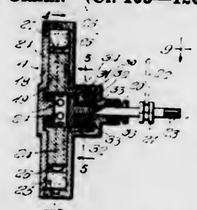
and arm together, said arm having a portion thereof for projecting outwardly beyond the outer end of said edge, said arm having its outer end formed as a hinge connection for the forward end of a temple, and said ears having the apertures thereof positioned outwardly with respect to the inner end of said arm.

2,006,279
COMBINED FIREPLACE BACK AND WATER HEATER STRUCTURE
Charles Walter Perry, Dothan, Ala.
Application June 5, 1934, Serial No. 729,145
4 Claims. (Cl. 126—132)



1. A fireplace back comprising a vertically disposed hollow casting forming a water chamber; the upper portion of said chamber being of greater volume than its lower portion, the upper portion of the front of said casting being projected forwardly with respect to the lower portion of its front, and said casting being formed therein with upstanding spaced apertured webs extending from a point removed from the lower end thereof to its upper end, said webs being integral with the inner faces of the front, rear and top of the casting.

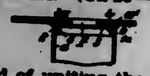
2,006,280
PUMP FOR HYDRAULIC DRIVES
Theodore J. Schlueter, New Orleans, La.
Application March 23, 1933, Serial No. 662,402
1 Claim. (Cl. 103—120)



A hydraulic drive comprising a casing having inlets and outlet ports communicating with the interior thereof, means for forcing liquids through the ports and casing, means for reversing the flow of the liquid through the ports and casing,

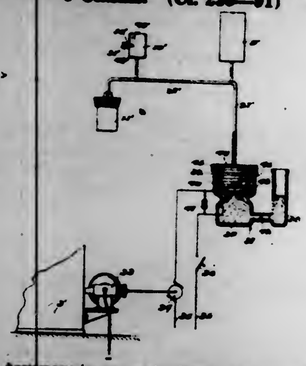
said casing having a hood at the center of its side wall, a disk slidable in the hood and adapted to enter the casing, a rotor journalled in the casing and having spring supported peripheral vanes engaging the inner surface of the casing, said rotor having at its side, a central cavity adapted to receive said disk snugly and fitting in said hood, said rotor having radial disposed passages located between said vanes and communicating at their inner ends with said cavity and at their outer ends with the interior of the casing, means for sliding the disk and means carried by the disk and housed in the hood for locking the disk to the wall of the cavity when the disk is moved to a position closing the inner ends of the passages; said last named means being further adapted for unlocking the disk from the wall of the cavity when the disk is moved to a position where the inner ends of the passages are opened.

2,006,281
METHOD OF MANUFACTURING BOBBINS, PARTICULARLY FILM BOBBINS
Philipp Schwarz, Wuppertal-Barmen, Germany
Application November 28, 1933, Serial No. 644,358
In Germany December 1, 1931
10 Claims. (Cl. 29—170)



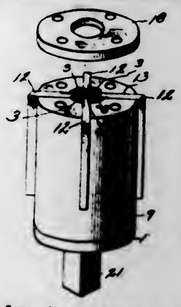
1. The method of uniting the flange ends and tubular bodies of bobbins which consists in bending a flange end to form an annular channel, inserting an end of the tubular body in said channel, and closing the channel on the inserted end and crimping the tube inwardly at the mouth of the channel to form a seat for the material at one side of the channel whereby to form a reverse bend at the end of the tubular body.

2,006,282
TEMPERATURE CONTROL SYSTEM
Edwin F. Smith, Prospect Park, Pa., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application December 6, 1930, Serial No. 500,607
9 Claims. (Cl. 236—91)



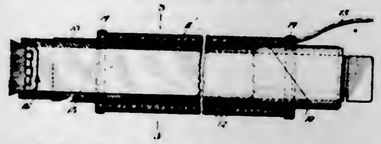
1. A temperature controlling system of the type adapted for use with a heating plant for enclosures employing a fluid heating medium comprising a container exposed to the temperature without the enclosure to be heated, a second container exposed to the temperature within the enclosure, a third container exposed to the temperature of the heating medium, an expansible fluid within said containers, a pressure responsive device, means connecting the enterior of each of said containers to the interior of said pressure responsive device and directly subjecting the latter to the pressure of said expansible fluid thereby forming a closed thermo-sensitive system with said containers connected in parallel with one another, and means operated by said pressure responsive device for varying the heating effect of said heating plant.

2,006,283
MACHINE FOR MAKING BOILER CLEANER NOZZLES
Joseph Staempfli, New Orleans, La.
Application July 19, 1934, Serial No. 736,074
7 Claims. (Cl. 153—48)



1. A tool for forming nozzles having vanes on a tubular member with alternate edges of the vanes bent inwardly towards the axis of the nozzle and with the other alternate edges of said vanes in concentric relation with the nozzle, said tool comprising a body member, a channeled mandrel within the body member and adapted to receive the nozzle and bending plates slidably mounted in the body member and positioned whereby when forced inwardly the alternate edges of the nozzle vanes will be engaged thereby and be forced inwardly towards the channels of the mandrel.

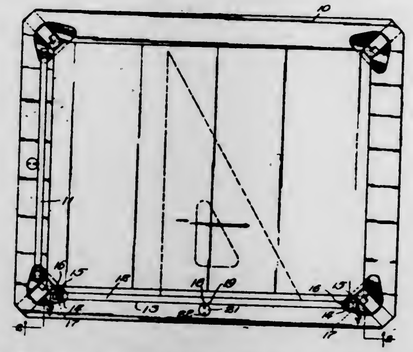
2,006,284
HAIR STRAIGHTENING DEVICE
Arthur L. Thomas, Trenton, and Lily D. Ellis, Princeton, N. J.
Original application September 23, 1933, Serial No. 690,714. Divided and this application September 17, 1934, Serial No. 744,402
3 Claims. (Cl. 132—36)



1. A hair straightening device comprising a tubular oven, heating means surrounding said oven, and a flat bar adapted to extend through said oven, said bar having provision for securing the scalp ends of the hair thereto while the hair is laid lengthwise of the bar.

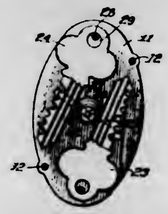
2,006,285
STRAIGHT-EDGE
Max Kurt von Zimmermann, Elkhart, Ind.
Application March 24, 1934, Serial No. 717,246
5 Claims. (Cl. 33—76)

1. A board of the character described, having in combination: a groove in said board; a straight-edge adapted to lie in said groove; diagonally sloping slots in said straight edge; and members on said board adapted to be engaged



by said slots, whereby longitudinal movement of said straight-edge effects a change in the vertical level thereof.

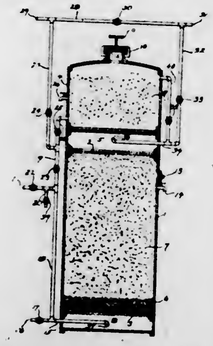
2,006,286
KEY-CONTAINER
Arthur Waller, Chicago, Ill.
Application January 26, 1934, Serial No. 708,485
5 Claims. (Cl. 59—96)



1. A key-container comprising a pair of body members connected in spaced relation to form a housing, means for pivotally fastening a key within said housing, an ejector slidably mounted within a slot provided in one of said body members, said slot being disposed so as to guide said ejector selectively into engagement with either of two keys to swing the key from the housing, and a collar mounted upon said ejector with a lost-motion connection and adapted to engage said keys.

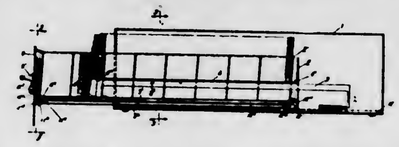
2,006,287
WATER SOFTENER
Allen M. Wilbanks, Amarillo, Tex., Ophelia Wilbanks executrix of will of said Allen M. Wilbanks, deceased
Application November 14, 1932, Serial No. 642,612
4 Claims. (Cl. 210—24)

1. Water-softening apparatus comprising a fluid-tight container of water-softening material, a fluid-tight tank of regenerating material, a valve-controlled supply-pipe connectible with a main, a valve-controlled pipe-line extending from said supply-pipe to the bottom part of said container, a valve-controlled discharge-exit in said pipe-line between the valve thereof and said container, a valve-controlled delivery-pipe extending from the upper portion of said container, a valve-controlled pipe in communication with said supply-pipe beyond its valve and with the lower part of said tank, and a valve-controlled



pipe extending from the upper part of said tank and connected with said delivery-pipe at a place between its inner end and its valve.

2,006,288
VERTICAL CARD INDEX CABINET
Birger Aagaard, Trondhjem, Norway
Application August 5, 1933, Serial No. 683,885
5 Claims. (Cl. 129—16)

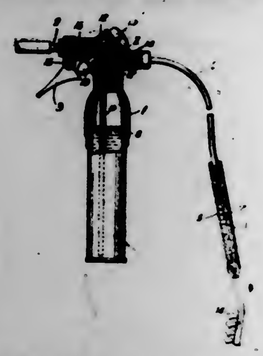


1. A vertical index cabinet embodying, in combination, a stationary casing, a drawer slidable with said casing, a card-dropping element mounted in said casing, extending through the bottom of said drawer above the plane thereof and having a substantially horizontal card-supporting surface disposed in an elevated position, and a card dropping edge extending downwardly at substantially right angles to said elevated card-supporting surface, index cards mounted within said drawer, mechanism for raising and lowering the bottom of said cards above and below the top of said dropping element, and mechanical means for controlling the horizontal sliding movement of said drawer within the casing.

2,006,289
TEETH-CLEANSING APPLIANCE
Hans Andvig, Oslo, Norway
Application October 7, 1932, Serial No. 636,750
In Norway October 13, 1931
1 Claim. (Cl. 15—128)

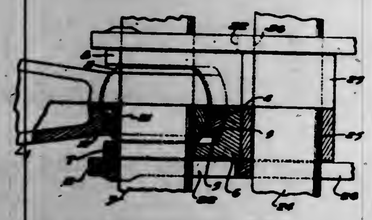
A tooth cleaning appliance, comprising an atomizer containing a liquid dentifrice, a conduit through which carbon dioxide passes under pressure, means for controlling the amount of carbon dioxide flowing, a mixing valve by means of which the carbon dioxide draws with it and atomizes in finely divided particles a certain quantity of the dentifrice, a mouth piece shaped as a tooth brush and having a passage for conveying the stream of atomized dentifrice and carbon dioxide to an opening on the surface of the brush head and

a chamber in the handle of said mouth piece and through which passes said atomized dentifrice



and carbon dioxide, the said chamber containing a solid but soluble disinfecting material.

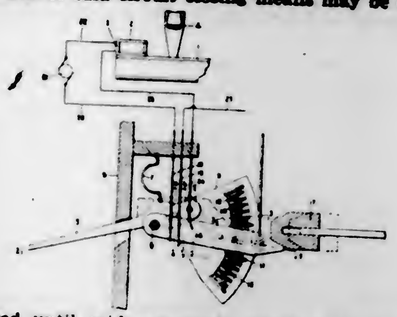
2,006,290
DRAFT RIGGING
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application October 2, 1929, Serial No. 396,758
15 Claims. (Cl. 213—69)



13. A car coupler involving a shank member having a rear end wall and a transversely extending slot in advance thereof, said rear wall having curved rear and forward surfaces, a bearing block having a curved forward face cooperating with said curved rear surface, and a key seat member positioned in said slot and having a curved rear face cooperating with said curved forward surface of said rear wall, the bearing block being provided with forwardly extending arms embracing said shank member and key seat member and serving to connect said block to said key seat member.

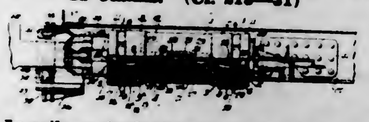
2,006,291
REGISTRATION CONTROL FOR PIPE ORGANS
Donald S. Barrows, Rochester, N. Y.
Refiled for abandoned application Serial No. 666,710, September 15, 1923. This application January 26, 1928, Serial No. 250,519
10 Claims. (Cl. 84—345)

1. In an organ, in combination with stop actions, stop keys normally indicating by their positions whether such stop actions are on or off, each key carrying means for closing an electric circuit, pneumatic control means operated by said circuit for effecting desired movement of said stop actions, and means for rendering said pneumatic means ineffective, whereby the action of said circuit closing means may be de-



layed until said pneumatic means is rendered effective.

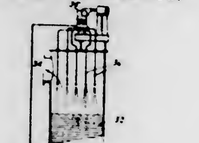
2,006,292
DRAFT RIGGING
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application February 14, 1933, Serial No. 656,722
11 Claims. (Cl. 213—31)



1. In railway draft rigging, in combination with draft sills, a backstop connecting said sills, a coupler, and yoke-acting means normally engaging said backstop so as to be stationary on buff, a friction draft gear comprising a housing with cushioning mechanism at each end, said yoke-acting means embracing said housing and cushioning mechanism to actuate the rear mechanism on draft, said coupler, yoke-acting means, housing and sills being formed with slots, a housing key passing through said slots in said housing, yoke-acting means and sills and another key passing through corresponding slots in said coupler, yoke-acting means and sills, said sill slots being elongated rearwardly of the normal position of the housing key to permit rearward movement of the housing on buff, while holding it stationary on draft, whereby the cushioning mechanisms at both ends are operated on buff but only that at the rear end on draft, said yoke-acting means being continued forwardly at the sides of the coupler and connected at its front end by an integral portion functioning as a striking casting, and a coupler carrier resting on portions of said yoke-acting means beneath said striking casting portion for supporting said coupler.

2,006,293
HANDLE FOR CANS
Lloyd L. Bassett, Los Angeles, Calif.
Application August 23, 1934, Serial No. 741,171
4 Claims. (Cl. 220—94)

1. In combination with a can, a handle member of flexible material having one of its ends secured to the lower portion of the can, and its other end slidably mounted on the top of the can, means secured to the can top to guide the slidable end of the handle, the can top adapted to have openings punched therein to dispense the contents of the can and to vent it, the slidable end of the handle closing said openings in one position and exposing the dispensing opening in a second position, and the slidable end of the handle



provided with an opening alining with the vent opening in said second position.

2,006,294
DRAG CONVEYER CHANNEL
Bruce Beardsley, Brooklyn, and Alexander Plausics, New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 21, 1932, Serial No. 588,012
12 Claims. (Cl. 198—160)



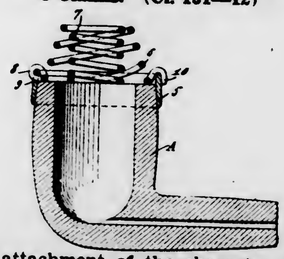
1. In a drag-conveyer for sheet material, the combination of a conveyer guideway, a belt arranged to travel along the face of the guideway for conveying sheets of material between it and the guideway, said guideway having a greater width than the belt and a less width than the sheets, said guideway being provided along its outer edges beyond the edges of the belt with longitudinally extending members protruding above the face thereof for holding the edge portions of the sheets out of contact with the said face.

2,006,295
APPARATUS FOR THE SCRUBBING OF GAS
Walter L. Chewning, Cynwyd, Pa., assignor to United Engineers & Constructors Inc., Philadelphia, Pa., a corporation of Delaware
Application June 19, 1931, Serial No. 545,469
4 Claims. (Cl. 261—98)



1. Apparatus for scrubbing gas with a liquid including a scrubber having gas inlet and outlet means therein, a plurality of liquid supply means, a plurality of rotatable liquid inlet means to said scrubber receiving liquid from said supply means, means in each of said supply means for controlling the flow of liquid therethrough, and means for intermittently opening and closing said means for controlling the flow of liquid through the supply means.

2,006,296
SMOKING PIPE ATTACHMENT
Augustus Christensen, Hellertown, Pa.
Application August 21, 1934, Serial No. 740,832
3 Claims. (Cl. 131—12)



1. An attachment of the character described comprising an outer resilient helix, an inner resilient helix located centrally of and depending within the outer helix, and means for hinging the outer helix to the mouth of a bowl of a smoking pipe.

2,006,297
FILM FEEDING MECHANISM FOR CINEMATOGRAPH APPARATUS
Ernst Eisemann, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application October 28, 1933, Serial No. 695,710
In Germany November 8, 1932
10 Claims. (Cl. 88—18.2)



1. A film feeding mechanism for cinematograph films comprising a film feed roller, a stationary central supporting shaft for same, a peripheral series of apertures in said roller, a feed lever, a sliding connection between said feed lever and said stationary shaft to permit rotary and radial movement of said lever, a feed pin on the end of said feed lever for engaging the said apertures, means for intermittently oscillating said feed lever about said stationary shaft and means for intermittently reciprocating said feed lever radially of said stationary shaft to bring the feed pin into and out of engagement with said apertures, the said means for oscillating said feed lever being so connected with the means for reciprocating said lever that a radial movement of the lever in one direction always follows an oscillatory movement in one sense and a radial movement in the other direction always follows an oscillatory movement in the other sense.

2,006,298
ROTARY PUMP, COMPRESSOR, ENGINE, AND THE LIKE
Miller R. Hutchison, Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y., a corporation of New York
Application April 21, 1933, Serial No. 667,140
11 Claims. (Cl. 103—124)

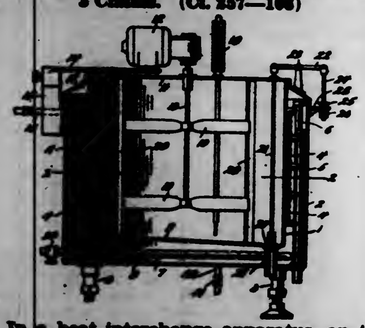
1. A machine of the character disclosed, comprising a lobed impeller, hollow faced rockers having their opposite sides in sealing engagement with said lobed impeller and provided with passages through from back to front of the same, a

housing enclosing said impeller and rockers and providing with the impeller and rockers a variable displacement chamber for each rocker and variable displacement chambers between the rockers, said housing having admission and ex-



haust valve ports at opposite sides of the rockers and valving elements on the rockers and cooperatively related to said ports to alternately place the same in communication with the rocker chambers and with said chambers between the rockers.

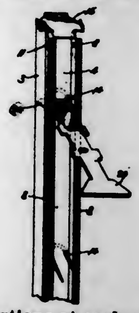
2,006,299
HEAT INTERCHANGE APPARATUS
Robert E. Kaestner, Baltimore, Md., assignor to E. A. Kaestner Company, a corporation of Maryland
Application July 30, 1934, Serial No. 737,658
3 Claims. (Cl. 257—106)



2. In a heat-interchange apparatus, an inner vessel, an outer vessel surrounding said inner vessel in spaced relation both laterally and at the bottom to said inner vessel and forming a tight jacket for said inner vessel, a plurality of hollow coils including coils having a plurality of convolutions, a manifold disposed between said vessels and in spaced relation to said inner vessel for supplying heat-exchange fluid to said coils, a manifold disposed between said vessels and in spaced relation to said inner vessel for receiving the fluid after passage through said coils, a perforated steam pipe extending into the space between said vessels, the convolutions of said coils being in direct contact with each other and with said inner vessel, means comprising heat-conducting material in the interstices between the adjacent convolutions of said coils and said inner vessel said forming a direct and voidless heat-transfer structure between the contents of said coils and the contents of said inner vessel, and agitation means within said inner vessel.

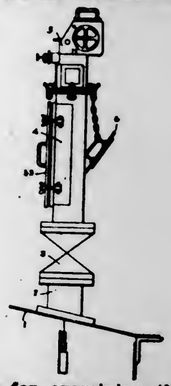
2,006,300
ANCHOR INSERT
Arthur M. Kinsinger, Dayton, Ohio, assignor of one-half to Carl A. Kinsinger, Dayton, Ohio
Application February 6, 1933, Serial No. 591,348
13 Claims. (Cl. 72—101)

13. A slot-forming unit for a concrete form including a channel-shaped body of sheet material having inwardly directed side walls, adapted to be embedded in a body of concrete with its open side exposed in the face of the concrete body, and a reversible anchor tie including similarly



enlarged head portions at each end of the tie engageable within the channel-shaped body, whereby either end of the anchor tie may be engaged with the channel.

2,006,301
APPARATUS FOR EXAMINING THE CONTENTS OF TANKS
Martinus Adrianus Meyer, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 22, 1933, Serial No. 672,148
In Germany July 22, 1932
2 Claims. (Cl. 137—18)

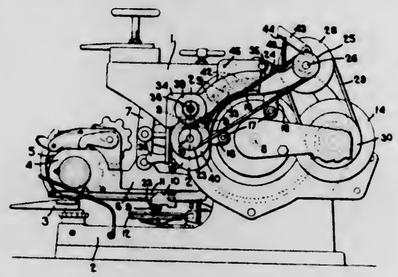


1. Apparatus for examining the contents of tanks, comprising a cut-off valve attached to the top of the tank, a hollow head adapted to be attached to the upper side of said cut-off valve, two drums mounted in said head independently rotatable, cables attached to said drums, a transparent cylindrical sample can having end plates, connected valves arranged in the end plates of said sample can, two sets of levers on one of said end plates for operating said valves, each set of said levers being attached to one of said cables.

2,006,302
MARKING MACHINE
Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application November 28, 1933, Serial No. 700,063
5 Claims. (Cl. 101—348)

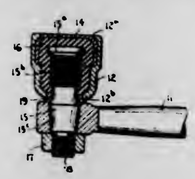
1. An ink roll conditioning attachment for printing machines comprising a fixed support-

ing member, a conditioning roll rotatably mounted therein, said supporting member having means for supporting an ink roll of a printing machine in a position resting on the conditioning roll, said means permitting ready removal and replacement of the ink roll, a second conditioning roll, and means supporting the same in position to



rest on the ink roll, said means providing for separation of the second conditioning roll from the ink roll to permit the latter to be removed from the supporting member or to be replaced therein, means for rotating one of the conditioning rolls, and means for reciprocating the other conditioning roll in the direction of the length of the ink roll.

2,006,303
FLEXIBLE CONNECTION
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 12, 1932, Serial No. 592,555
6 Claims. (Cl. 287—85)

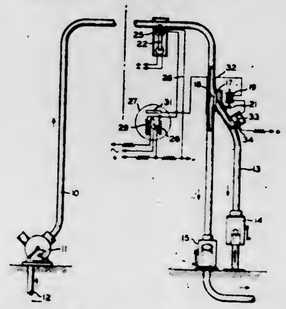


5. In a flexible connection, the combination of a tubular socket, a generally cylindrical rubber structure, a metal cap vulcanized on one end of the latter, and a threaded stud mounted axially of the rubber structure and vulcanized therein with the threaded portion disposed exteriorly thereof, the metal cap having a force fit in the socket, and the rubber structure being mounted in the socket and compressed so as frictionally to engage the wall thereof.

2,006,304
ALLOY STEEL
Jerome Strauss, Pittsburgh, Pa., assignor, by mesne assignments, to U. S. Rustless Steel & Iron Corporation, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application April 13, 1935, Serial No. 16,255. In Great Britain June 16, 1934
5 Claims. (Cl. 75—1)

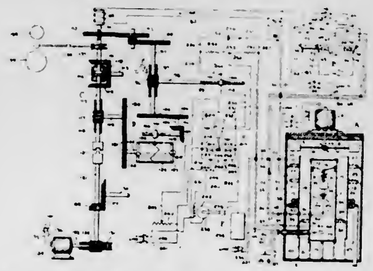
1. An alloy steel containing .01% to .60% carbon, .3% to less than 2% chromium, .15% to 3% copper, .25% to 3% silicon, .07% to .75% phosphorus, .02% to .50% manganese, and not over .10% sulphur, the balance being substantially all iron.

2,006,305
CARRIER DISPATCH SYSTEM
Harold F. Wilder, Chatham, N. J., and Hakon H. Haglund, New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 8, 1932, Serial No. 585,556
30 Claims. (Cl. 243—16)



1. A conveyor, a switching mechanism for said conveyor, a slow acting device for operating said switching mechanism, an electronic device responsive to a condition of short duration produced by articles being conveyed to initiate a discharge therethrough, said latter device being of such a character as to sustain said discharge at a substantially constant value for a sufficient period to operate said slow acting device.

2,006,306
APPARATUS AND METHOD FOR TEMPERATURE REGULATION
Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 22, 1930, Serial No. 454,548
35 Claims. (Cl. 236—1)



1. An apparatus of the character described, comprising a chamber, regulatable heating means in said chamber, cooling means in said chamber acting to withdraw heat from said chamber simultaneously with the supply of heat to said chamber by said heating means, and means to regulate the heat supplied by said heating means in predetermined relation to the rate at which heat is withdrawn by said cooling means whereby the temperature of said chamber may be accurately controlled.

2,006,207
TIRE BUILDING APPARATUS
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 5, 1932, Serial No. 646,947
12 Claims. (Cl. 18—3)



10. In apparatus of the character described, the combination of a stationary lower head adapted to support a flat band tire by one margin thereof, a housing positioned above said head, a hollow cylinder disposed in axial alignment with said lower head slidably mounted in said housing, an annular upper head on the lower end of said cylinder, means for axially moving said cylinder to cause the head thereon to engage the upper margin of a tire positioned on said lower head, a plunger within said cylinder, a hook on the bottom of said plunger adapted to engage an expansible core, means for moving the plunger longitudinally of said cylinder to draw said core therewith and subsequently to eject it therefrom, means passing through said plunger and connected to the said core to evacuate or inflate the same, and means for passing pressure fluid through said plunger to establish superatmospheric pressure on the inner surface of the tire when engaged by both of said heads.

2,006,208
GRINDING WHEEL
Alonzo Oakleigh Bush and Richard H. Martin, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 13, 1933, Serial No. 680,274
17 Claims. (Cl. 51—206)



2. An abrasive article comprising a body of abrasive grains bonded by vitrified ceramic material and an adjacent strengthening body comprising vulcanized hard rubber, which bodies are secured together as an integral unit by a vulcanized rubber bond which fills the pores of the vitrified body and intimately unites with the bond in the rubber bonded body.

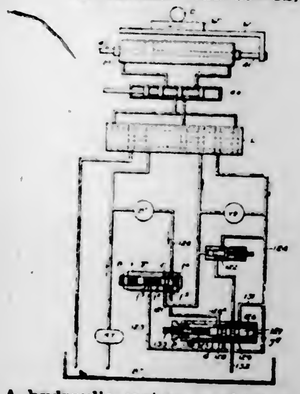
2,006,209
HYDROXY SULPHONATED FATTY ACID ESTERS AND THEIR PRODUCTION
Charles C. Clark, St. Bernard, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 6, 1933, Serial No. 679,217
10 Claims. (Cl. 260—106)

1. A new composition of matter consisting of monohydric aliphatic alcohols derived from a soluble salt of 1,2-dihydroxy propane-3-sulphonic acid by esterification of one of its hydroxyl groups with a fatty acid containing at least six carbon atoms.

2,006,210
RUBBER COMPOUNDING
Arthur B. Cowdery, Needham, Mass., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 20, 1932, Serial No. 629,749
11 Claims. (Cl. 106—23)

1. A compound comprising rubber having incorporated therewith an oil-resin compound comprising about 1 to about 5 parts by weight of heat polymerized cumarone resin, and about 5 to about 1 part by weight of a coal tar oil substantially free from crystalline material at 25° C. and boiling at not less than about 170° C.

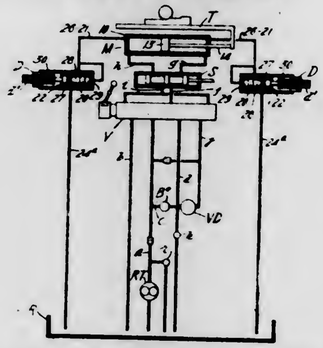
2,006,211
LEAKAGE COMPENSATOR FOR HYDRAULIC SYSTEMS
Hans Ernst and Bernard Sassen, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application September 9, 1931, Serial No. 561,900
26 Claims. (Cl. 60—52)



1. A hydraulic system combining a motor; a source of hydraulic fluid supply for said motor; a hydraulic rate control line subject to natural leakage connected with said motor governing the rate of movement thereof; and means providing an artificial leakage to balance the natural leakages of said rate control line.

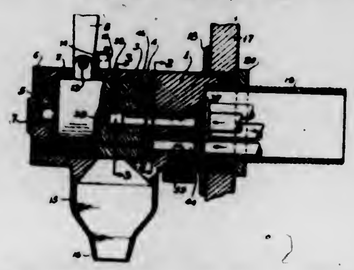
14. An hydraulic power system, said system being subject under varying work resistances to variations in pressures and to corresponding variations in natural leakages; means providing an artificial leakage operative under a selected work resistance to balance the resultant of the natural leakages; and means for automatically varying said artificial leakage to maintain a balance of leakages as the pressures in said system vary under variations in work resistance.

2,006,212
COMPENSATING BLEEDER VALVE
Hans Ernst and Bernard Sassen, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application February 2, 1932, Serial No. 590,336
18 Claims. (Cl. 121—45)



1. An hydraulic propulsion system including a motor and a rate control line therefor; and a combined air bleeder and leakage compensator for said motor comprising a variable opening valve means in liquid communication with said rate control line and adapted to bleed entrained air therefrom and to produce an artificial leakage of liquid substantially equal to but opposite in effect to the normal natural leakage from said line, and means in liquid communication with said rate control line for varying the opening of said valve means in accordance with variations in pressure in said rate control line whereby the artificial leakages from said line are maintained equal to the net natural leakages into said line and a balance is maintained.

2,006,213
SELF-CARBONATING DISPENSING SYSTEM
Charles A. Geddes, New York, N. Y.
Application September 26, 1933, Serial No. 691,047
6 Claims. (Cl. 225—21)



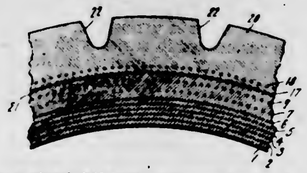
1. Self-carbonating system for dispensing carbonated drinks comprising a cooler, a displacement vessel, and sources of carbon dioxide gas and water under pressure, and a faucet having a carbonated water discharge and a syrup discharge simultaneously opened and shut by movement of the valve of said faucet, conduits connecting said displacement vessel and said cooler, through said faucet, conduits connecting said carbon dioxide and water under pressure sources to said displacement vessel through said faucet, and a conduit connecting said cooler with said carbon dioxide discharge, through said faucet, the conduit from said carbon dioxide source being in communication with said displacement vessel and the latter with said cooler when said faucet is closed, all other conduits being then occluded, permitting the carbon dioxide to fill that displacement cylinder, driving the displaced and partially carbonated water into said cooler, said conduits being so arranged that when the faucet is opened to discharge syrup and carbonated water, the conduit from the source of water under pressure replaces the conduit from the source of carbon dioxide in communication with said displacement vessel, filling the latter with water and driving the carbon dioxide into the cooler, there completing the carbonation of said water, said cooler being simultaneously placed in communication with said carbon dioxide discharge.

2,006,214
PROCESS OF PREPARING SUBSTITUTED MALONIC ACIDS
Paul Halbig and Felix Kaufler, Munich, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation
No Drawing. Application May 25, 1933, Serial No. 672,866. In Germany June 8, 1932
14 Claims. (Cl. 260—116)

1. Process of directly preparing alkyl substituted malonic acids from a corresponding water-insoluble compound containing in place of at least one carboxyl group of the substituted malonic acid at least one of the group consisting of $—CH_2OH$ and —CHO, comprising oxidizing said compound with an inorganic acid in the presence of a nitrogen oxide having at least one oxygen atom to one nitrogen atom.

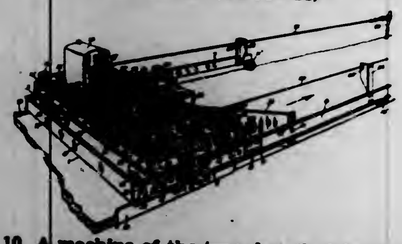
11. Process of preparing diethyl malonic acid comprising treating 2,2-diethyl-propanol-(1)-al-(3) with a mixture of nitric acid, sulphuric acid and nitrogen oxide having at least one oxygen atom to one nitrogen atom in the presence of ammonium vanadate at between 10 and 50° C.

2,006,215
AUTOMOBILE TIRE
Ernest Hopkinson, New York, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 10, 1932, Serial No. 616,385
7 Claims. (Cl. 152—13)



2. An automobile tire comprising a carcass, protective plies of spaced apart parallel cords disposed externally of the carcass, a rubber tread constituting the outer portion of the tire and extending through the spaces between the cords of said protective plies whereby the latter are embedded in the tread rubber.

2,006,316
APPARATUS FOR BUILDING ROADS
Obert G. Mandt, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application May 2, 1932, Serial No. 608,667
21 Claims. (Cl. 94—44)



10. A machine of the type described for forming a monolith or slab from material which is disposed in front thereof, comprising means for propelling said machine through the material, a screw spreading member carried by said machine for spreading the material across the surface to be covered, means for driving said screw spreading member, a strike-off blade carried by said machine, means for vertically adjusting said screw spreading member and said strike-off blade simultaneously, means for vertically adjusting said screw spreading member and said strike-off blade relative to each other, means for guiding the material to said screw spreading member as the machine moves therethrough, side forms carried by said machine for limiting lateral displacement of the material spread by said screw spreading member, said side forms extending a considerable distance ahead of and behind said screw spreading member.

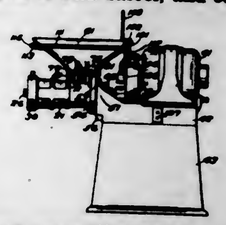
2,006,317
ELECTRIC SWITCH
Friedrich Mensel, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application October 5, 1931, Serial No. 567,079
In Germany October 9, 1930
4 Claims. (Cl. 200—102)



1. A combined electromagnetic cut-out and regulator for the electrical systems of motor vehicles comprising a core of magnetic material, a voltage coil and a current coil connected to the dynamo and coiled about said core, an armature, means for regulating the output of said dynamo upon movement of said armature, a pair of cut-out contacts connected in series with said current coil and the battery, a bimetal spring carrying one of said contacts and a spring of a single material upon which said bimetal spring is mounted.

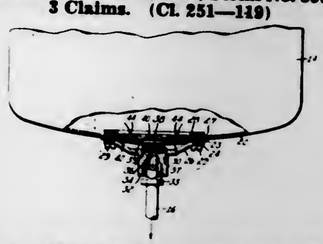
2,006,318
MEAT GRINDING MACHINERY
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application October 7, 1933, Serial No. 692,637
5 Claims. (Cl. 146—122)

1. In a meat grinding machine, the combination of a barrel having a feed mouth, a feed-screw in said barrel, an upwardly extending hopper having a feed opening in its lower end registering with said feed mouth, pivot means between the respective sides of said barrel and the respective sides of said hopper respectively provided with releasable pivot pins for respectively disconnecting and connecting said respective pivot means for rocking movements of said hopper toward the respective sides of said barrel, and connected links



having hinge connections with said barrel and said hopper for limiting opening movements of said hopper in both directions and supporting said hopper in raised relations at both sides of said barrel, said hinge connections with said barrel and said hopper respectively being in a vertical plane substantially coincident with the vertical plane in which the axis of rotation of said feed-screw is located when said hopper is in down position.

2,006,319
DIAPHRAGM VALVE FOR TANK ASSEMBLIES
Henry Hueber, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 17, 1932, Serial No. 599,561
3 Claims. (Cl. 251—119)

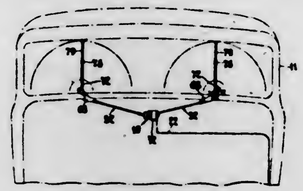


1. In a reserve tank for providing relatively uniform changes in fluid pressure of a variable fluid pressure system, a casing support pressed out integrally from a wall portion of the tank, a casing secured to said support, an oscillatable valve diaphragm in the casing secured in fluid tight relation between the support and casing, said diaphragm and wall portion having openings offset from each other to provide communication between the tank and the casing, a valve closing seat on said wall portion of the tank within the range of normal operating movement of the diaphragm to close communication between the tank and casing when the diaphragm oscillates in one direction, said openings being disposed on opposite sides of the seat contacting portion of the diaphragm.

2,006,320
MOTOR VEHICLE CONSTRUCTION
Henry Hueber, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application October 10, 1932, Serial No. 637,173
6 Claims. (Cl. 15—255)

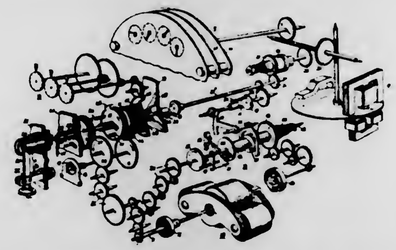
1. In a cowl construction for a motor vehicle having a windshield mounted in conjunction

therewith, an inwardly turned flange on the cowl disposed forwardly of the windshield, supporting means on the forward side of the flange of the cowl, a cleaner motor connected to the support-



ing means, and transmission means extending rearwardly from the motor through the flange and through the cowl to a location adjacent the vehicle windshield for operating a windshield wiper.

2,006,321
DEMAND METER
Julian H. Stark and Harry M. Witherow, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application June 20, 1934, Serial No. 731,573
12 Claims. (Cl. 171—34)



12. A demand meter comprising an interval-demand member which is advanced from a zero position in accordance with a measurement over predetermined intervals of time and reset to its zero position at the end of such intervals, a maximum-demand-measuring part which is advanced from a zero position in accordance with the maximum demand of the interval-demand member over many of such time intervals, a timing motor and means driven thereby for automatically returning said interval-demand member to a zero position at the ends of said predetermined time intervals, manually-controlled means driven by said motor for returning said maximum-demand part to its zero position when desired, and an overrunning clutch between said motor and the above mentioned parts which are driven thereby, whereby the parts normally driven by said motor may be operated manually, independently of said motor.

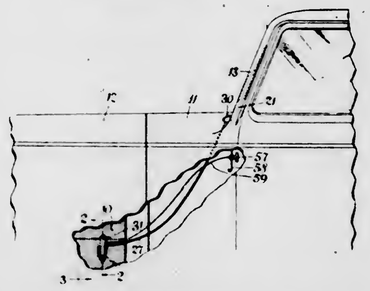
2,006,322
WINDSHIELD CLEANER BLADE
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 20, 1932, Serial No. 623,625
3 Claims. (Cl. 15—245)

1. A wiper blade comprising a channelled holder, and a laminated yieldable wiper element mounted in the channelled holder, the outer laminated portions of the wiper element having outwardly extending shoulders adjacent the holder edges, the outer sides of the outer laminations ta-



pering from the shoulders outwardly in normally converging planes into the form of feather edges, the inner laminated portion of the wiper element projecting from the tapered edges and cooperating therewith to provide wiping surfaces.

2,006,323
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 31, 1933, Serial No. 683,100
9 Claims. (Cl. 15—255)



1. In a motor vehicle having an engine compartment with an engine therein having a rotating part, a windshield and supporting structure adjacent thereto, the combination of a wiper mounted on said supporting structure for angular oscillation over said windshield, a flexible cable operatively connected to said wiper for imparting angular oscillatory movement thereto, a casing in the engine compartment mounted upon the engine, transmission means for converting rotary movement into angular oscillatory movement, said means being mounted in said casing and being connected to said rotating part of the engine and to said flexible cable, for converting the rotary motion imparted thereto by said rotating part into angular oscillatory motion and imparting the latter to the flexible cable.

2,006,324
HYDROQUINONE MANUFACTURE
Joseph Schumacher, Peru, Ill., assignor to Carus Chemical Company, a corporation of Illinois
No Drawing. Application November 21, 1934, Serial No. 754,178
6 Claims. (Cl. 260—154)
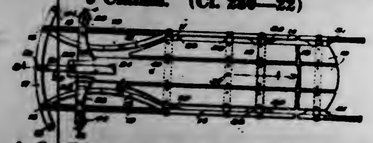
1. In the reduction of quinhydrone to hydroquinone by ferrous salts, the step of reducing ferric salts to ferrous in the presence of hydroquinone by finely divided iron in the absence of free acid capable of uniting with iron or iron oxide.

2,006,225
SCOOTER AND SLEIGH RUNNER
Albert J. Scheltes, Baltimore, Md.
Application June 8, 1934, Serial No. 729,670
8 Claims. (Cl. 280—23)



1. A sliding vehicle, comprising a platform, a flexible runner mounted for lateral movement beneath the platform, a guide rod rotatably mounted on the platform and having an arm with oppositely extending portions disposed lengthwise of the platform and runner, and spaced levers pivoted at their intermediate portions beneath the platform with one end of each lever connected to an adjacent portion of the runner and with their other ends pivoted to the opposite ends of the arm for swinging the levers in opposite directions when the rod and arm are turned and flexing the runner at spaced points in opposite directions into a continuous longitudinal curve.

2,006,226
FLEXIBLE COASTING SLED
Albert J. Scheltes, Baltimore, Md.
Application June 20, 1934, Serial No. 731,504
9 Claims. (Cl. 280—22)



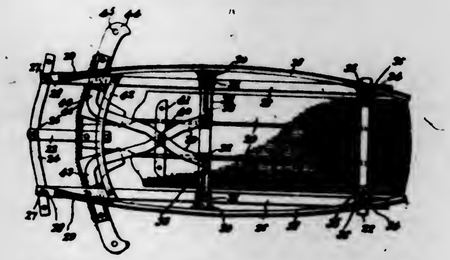
1. A flexible coasting sled, comprising a body portion, a pair of flexible runners mounted beneath the body portion, front and rear flexing levers connected to the front and rear portions of the runners, a connecting lever pivoted on the body portion and connected to said front and rear flexing levers for actuating the same in opposite directions, and operating means for swinging said levers to flex the runners.

2,006,227
HOSE CLAMP
Albert J. Scheltes, Baltimore, Md.
Application June 20, 1934, Serial No. 732,112
16 Claims. (Cl. 24—19)



14. A clamp, comprising an object engaging band adapted to be placed about an object to be clamped, an independent flexible element, and gathering means cooperating with the element for spirally winding the element against the band at the side thereof to deform a portion of the band; thereby tightening the other portion of the band about the object.

2,006,228
CENTER BOWING STEERING AND BRAKING SLED RUNNERS
Albert J. Scheltes, Baltimore, Md.
Application July 25, 1934, Serial No. 736,932
14 Claims. (Cl. 280—22)



13. A sled having flexible runners, and control means including a handle having two parts one of each being connected to a runner for independently flexing one or both of the runners to control movements of the sled.

2,006,229
ENCIRCLING BAND TIGHTENER
Albert J. Scheltes, Baltimore, Md.
Application November 12, 1934, Serial No. 752,775
15 Claims. (Cl. 24—19)



1. A band tightener, comprising a plate having an opening therein, a band extending through the opening with one end secured to the plate and looped outwardly therefrom to form a loop at the outer side of the plate, the other end of the band adapted to encircle an object, and expanding means including a winding strip disposed in the looped portion of the band with the free end of the strip extending through the opening in the plate between the latter and the outer side of the band.

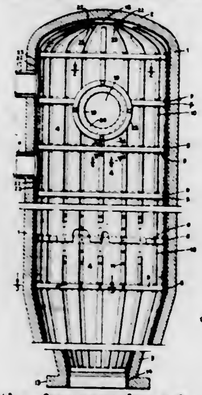
2,006,230
COASTING SLED
Albert J. Scheltes, Baltimore, Md.
Application February 21, 1935, Serial No. 7,615
15 Claims. (Cl. 280—22)

3. A coasting sled, comprising a body portion having flexible runners, a front bar connected across the forward ends of the runners, a second bar connected across the intermediate portions of the runners, lever means pivoted to the sled

body and to said bars for causing the same to move in opposite directions, and guide means carried by the sled body and connected to the front bar for shifting the same.

2,006,231
VESSEL LINING
Garrett V. Swearingen, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 7, 1932, Seial No. 631,972
4 Claims. (Cl. 220—63)

1. In a vessel, an interior lining therefor comprising a plurality of overlapping corrosive-resistant sections, a framework attached to the interior of said vessel and means for securing the overlapping portions of the corrosive-resistant



sections to the framework and permitting expansion and contraction thereof.

DESIGNS

JUNE 25, 1935

96,000
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Charles A. Bennett, and Lloyd E. Rensegger, Oneida, N. Y., assignors to Oneida Limited, Oneida, N. Y., a corporation of New York
Application May 7, 1935, Serial No. 56,720
Term of patent 14 years



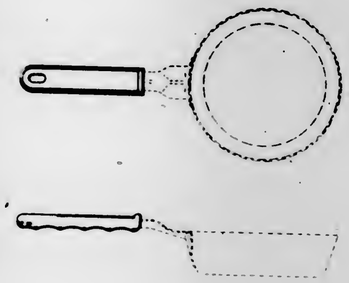
The ornamental design for a spoon or similar article as shown and described.

96,001
DESIGN FOR A BUCKLE
Louis Altersom, New York, N. Y.
Application May 8, 1935, Serial No. 56,733
Term of patent 3½ years



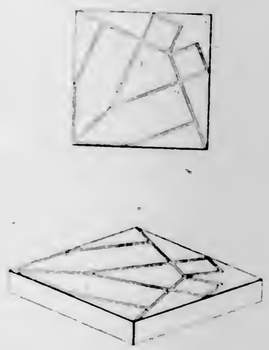
The ornamental design for a buckle, substantially as shown.

96,002
DESIGN FOR A SKILLET OR SIMILAR ARTICLE
Leclare H. Amrine, Chicago, Ill., assignor to Imperial Molded Products Corporation, Chicago, Ill.
Application September 13, 1934, Serial No. 53,270
Term of patent 7 years



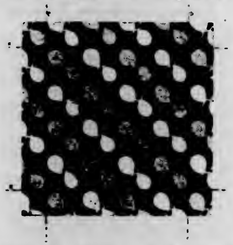
The ornamental design for a skillet or similar article, as shown.

96,003
DESIGN FOR A PAVING BLOCK
Francisco Belda, Benicalap, Spain
Application November 8, 1934, Serial No. 53,930
In Spain August 16, 1934
Term of patent 14 years



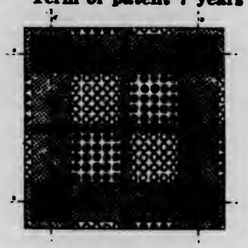
The ornamental design for a paving block, as shown.

96,004
DESIGN FOR A CARPET
Paul V. Beneville, Dumont, N. J., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 6, 1935, Serial No. 56,239
Term of patent 7 years



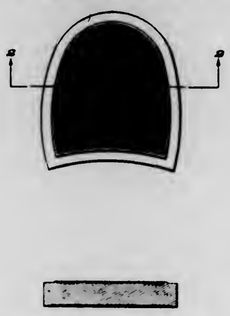
The ornamental design for a carpet, substantially as shown and described.

96,005
DESIGN FOR A CARPET
Paul V. Beneville, Dumont, N. J., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 10, 1935, Serial No. 56,300
Term of patent 7 years



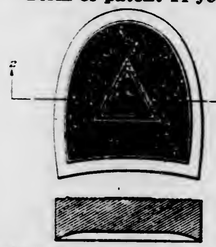
The ornamental design for a carpet, substantially as shown and described.

96,006
DESIGN FOR A SHOE HEEL
Frank Berenstein, Chelsea, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application May 3, 1935, Serial No. 56,674
Term of patent 14 years



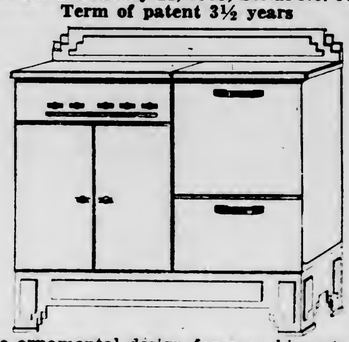
The ornamental design for a shoe heel as shown.

96,007
DESIGN FOR A SHOE HEEL
Frank Berenstein, Chelsea, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application May 3, 1935, Serial No. 56,675
Term of patent 14 years



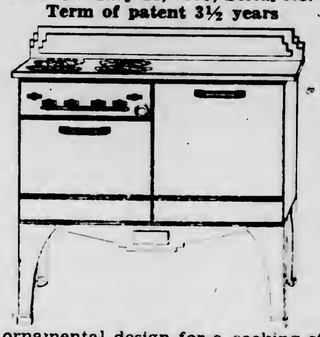
The ornamental design for a shoe heel as shown.

96,008
DESIGN FOR A COOKING STOVE OR SIMILAR ARTICLE
Frank K. Berry and Alfred J. Reedy, Battle Creek, Mich.
Application January 11, 1935, Serial No. 54,816
Term of patent 3½ years



The ornamental design for a cooking stove or similar article, as shown.

96,009
DESIGN FOR A COOKING STOVE OR SIMILAR ARTICLE
Frank K. Berry and Alfred J. Reedy, Battle Creek, Mich.
Application January 11, 1935, Serial No. 54,817
Term of patent 3½ years



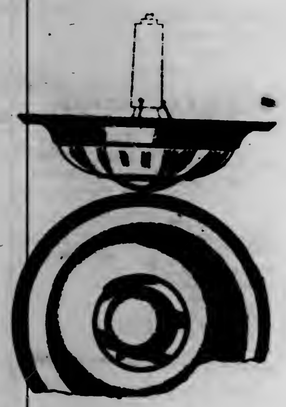
The ornamental design for a cooking stove or similar article, as shown.

96,010
DESIGN FOR A DISPLAY CARD
Alfred Bleich, New York, N. Y.
Application April 6, 1935, Serial No. 56,249
Term of patent 3½ years



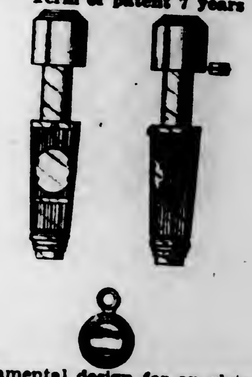
The ornamental design for a display card as shown.

96,011
DESIGN FOR A LIGHTING UNIT
Jacob H. Bittner, New York, N. Y., assignor to Lightolier Company, New York, N. Y., a corporation of New York
Application November 10, 1934, Serial No. 53,961
Term of patent 7 years



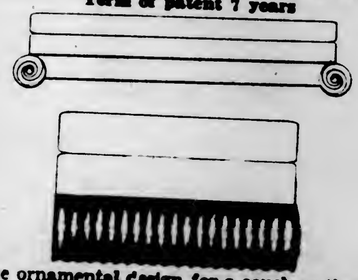
The ornamental design for a lighting unit, substantially as shown and described.

96,012
DESIGN FOR AN ELECTRIC HEATER FOR HAIR WAVING
Harry Benat, New York, N. Y., assignor to Harry Benat and Samuel Benat, doing business as Samuel Benat and Bro., New York, N. Y.
Application January 10, 1935, Serial No. 54,786
Term of patent 7 years



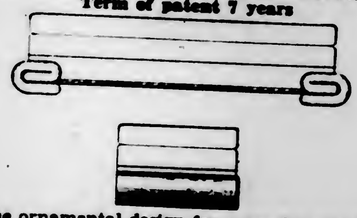
The ornamental design for an eletcric heater for hair waving, substantially as shown.

96,013
DESIGN FOR A COUCH OR THE LIKE
Joseph W. Bowersox, Glen Ellyn, Ill., assignor to Superior Felt & Bedding Co., a corporation of Illinois
Application March 23, 1935, Serial No. 56,005
Term of patent 7 years



The ornamental design for a couch or the like, as shown and described.

96,014
DESIGN FOR A COUCH OR THE LIKE
Joseph W. Bowersox, Glen Ellyn, Ill., assignor to Superior Felt & Bedding Co., a corporation of Illinois
Application March 23, 1935, Serial No. 56,006
Term of patent 7 years



The ornamental design for a couch or the like, as shown and described.

96,015
DESIGN FOR A TEXTILE FABRIC
Andre C. Bruine, Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y., a corporation of New York
Application December 5, 1934, Serial No. 54,284
Term of patent 3½ years



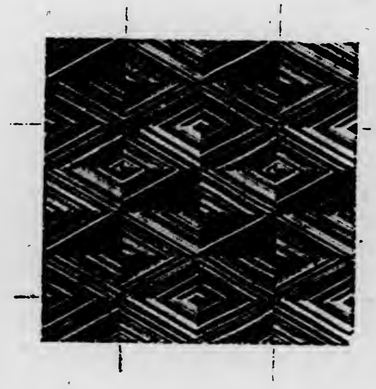
The ornamental design for a textile fabric, substantially as shown and described.

96,016
DESIGN FOR A TEXTILE FABRIC
Andre C. Bruine, Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y., a corporation of New York
Application December 5, 1934, Serial No. 54,285
Term of patent 3½ years



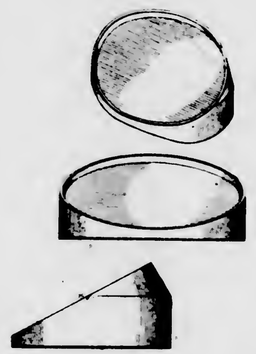
The ornamental design for a textile fabric substantially as shown and described.

96,017
DESIGN FOR A TEXTILE FABRIC
Andre C. Bruine, Rutherford, N. J., assignor to Roth Fabrics Corp., New York, N. Y., a corporation of New York
Application December 5, 1934, Serial No. 54,286
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

96,018
DESIGN FOR A TELEPHONE RECEIVER BASE
Philip J. Cannon, Cincinnati, Ohio
Application March 16, 1935, Serial No. 55,900
Term of patent 7 years



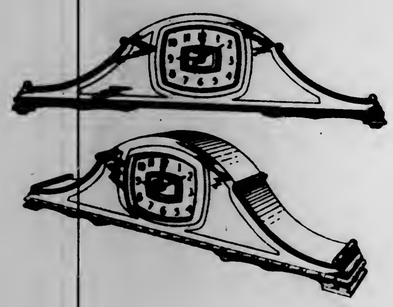
The ornamental design for a telephone receiver base as shown.

96,019
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Christopher J. Chamales, Chicago, Ill., assignor to C. A. Zees Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 7, 1935, Serial No. 55,760
Term of patent 7 years



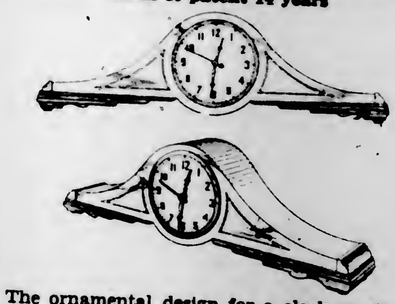
The ornamental design for a bottle or similar article, as shown.

96,020
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Ostilio Ciccarelli, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application April 19, 1935, Serial No. 56,466
Term of patent 14 years



The ornamental design for a clock or similar article substantially as shown and described.

96,021
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Ostilio Ciccarelli, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application April 19, 1935, Serial No. 56,467
Term of patent 14 years



The ornamental design for a clock or similar article substantially as shown and described.

96,022
DESIGN FOR A PENCIL
William R. Cuthbert, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application April 22, 1935, Serial No. 56,499
Term of patent 14 years



The ornamental design for a pencil substantially as shown and described.

96,023
DESIGN FOR A FOUNTAIN PEN
William R. Cuthbert, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application April 22, 1935, Serial No. 56,500
Term of patent 14 years



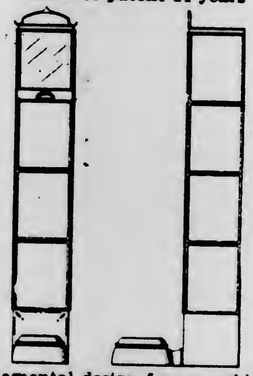
The ornamental design for a fountain pen substantially as shown and described.

96,024
DESIGN FOR A SHOE
Vincent De Lise, Astoria, N. Y.
Application February 27, 1935, Serial No. 55,642
Term of patent 3½ years



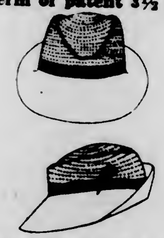
The ornamental design for a shoe, as shown and described.

96,025
DESIGN FOR A COMBINED WEIGHING AND ADVERTISING DEVICE
Guy G. Eldman, Houston, Tex.
Application September 4, 1934, Serial No. 53,191
Term of patent 14 years



The ornamental design for a combined weighing and advertising device, substantially as shown.

96,026
DESIGN FOR A HAT
Isidore Eisenberg, New York, N. Y.
Application May 24, 1935, Serial No. 56,993
Term of patent 3½ years



The ornamental design for a hat, substantially as shown and described.

96,027
DESIGN FOR A GAME BOARD
George Ellison, Lynbrook, N. Y.
Application October 22, 1934, Serial No. 53,715
Term of patent 14 years



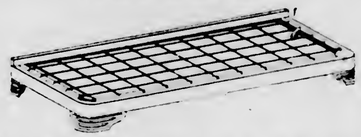
The ornamental design for a gameboard, as shown.

96,028
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application May 9, 1935, Serial No. 56,745
Term of patent 14 years



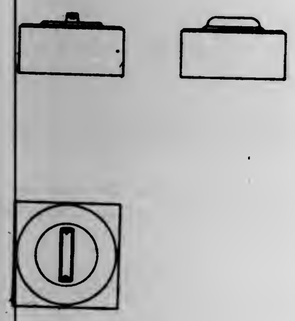
The ornamental design for a textile fabric as shown and described.

96,029
DESIGN FOR A BASE UNIT OF A STUDIO COUCH OR SIMILAR ARTICLE
Martin Fox, Chicago, Ill., assignor to The Seng Company, Chicago, Ill.
Application January 30, 1935, Serial No. 55,152
Term of patent 7 years



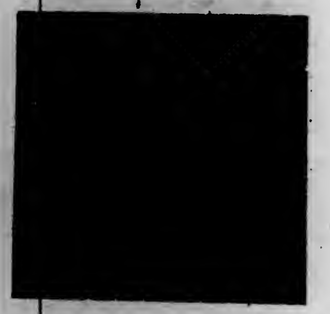
The ornamental design for a base unit of a studio couch or similar article, as shown.

96,030
DESIGN FOR A SHAVING BOWL OR THE LIKE
Charles B. Gage, Tarrytown, N. Y., and Wilbur D. Canaday, Stamford, Conn., assignors to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1933, Serial No. 50,185
Term of patent 14 years



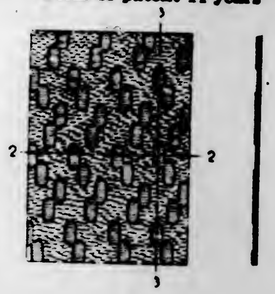
The ornamental design for a shaving bowl or the like substantially as shown.

96,031
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 15, 1934, Serial No. 54,442
Term of patent 14 years



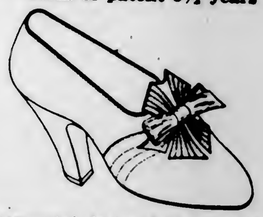
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

96,032
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application May 13, 1935, Serial No. 56,809
Term of patent 14 years



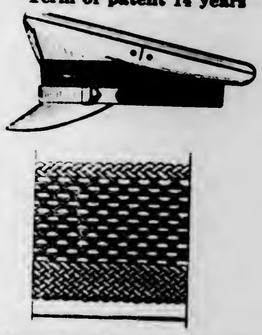
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

96,033
DESIGN FOR A SHOE
Herman Goldberg, Haverhill, Mass.
Application May 17, 1935, Serial No. 56,889
Term of patent 3½ years



The ornamental design for a shoe as shown.

96,034
DESIGN FOR A MILITARY CAP
Mayer Greenberg, Chicago, Ill.
Application May 1, 1935, Serial No. 56,640
Term of patent 14 years



The ornamental design for a military cap as shown and described.

96,035
DESIGN FOR A BRIDGE FOR EYEGLASSES
Henry W. Grom, Rochester, N. Y., assignor to Artcraft Optical Co., Rochester, N. Y.
Application April 6, 1935, Serial No. 56,244
Term of patent 3½ years



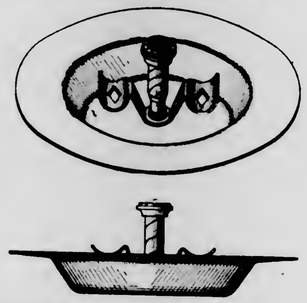
The ornamental design for a bridge for eyeglasses as shown.

96,036
DESIGN FOR A RADIOCABINET
Arthur C. Haggstrom, Rockford, Ill.
Application May 9, 1935, Serial No. 56,752
Term of patent 7 years



The ornamental design for a radiocabinet substantially as shown and described.

96,037
DESIGN FOR AN ASH TRAY
Russell P. Harshberger, Pasadena, Calif.
Application April 15, 1935, Serial No. 56,383
Term of patent 7 years



The ornamental design for an ash tray substantially as shown.

96,038
DESIGN FOR DECORATED WRAPPING PAPER
August Hegmann, Newark, N. J.
Application February 26, 1935, Serial No. 55,620
Term of patent 7 years



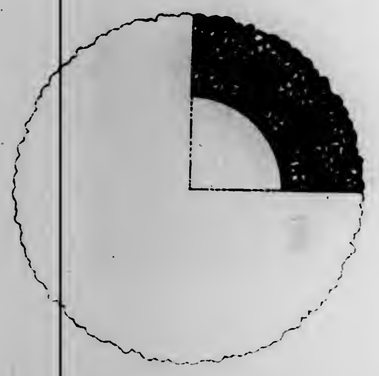
The ornamental design for decorated wrapping paper, as shown and described.

96,039
DESIGN FOR LEATHER
Hans Hiedemann, Cologne, Germany, assignor to Arrigo E. Marconetti, New York, N. Y.
Application May 3, 1935, Serial No. 56,672
Term of patent 7 years



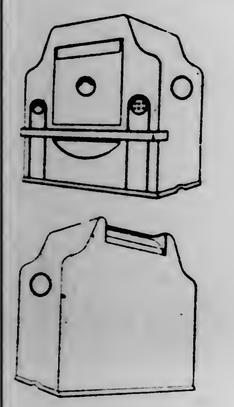
The ornamental design for leather substantially as shown and described.

96,040
DESIGN FOR A DOILY
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y., assignors to U. S. Lace Paper Works, Inc., Brooklyn, N. Y.
Application April 20, 1935, Serial No. 56,623
Term of patent 3½ years



The ornamental design for a doily as shown and described.

96,041
DESIGN FOR A MIXING MACHINE CASING
Edith A. Jackson, Larchmont, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application January 19, 1935, Serial No. 54,937
Term of patent 14 years



The ornamental design for a mixing machine casing, as shown and described.

96,042
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Adolph C. Jaeger, Port Chester, N. Y.
Application April 20, 1935, Serial No. 56,475
Term of patent 7 years



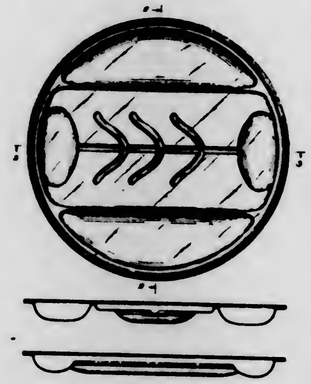
The ornamental design for a textile fabric or similar article substantially as shown and described.

96,043
DESIGN FOR A SHOE HEEL
Fred C. Lovejoy, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 17, 1935, Serial No. 56,880
Term of patent 14 years



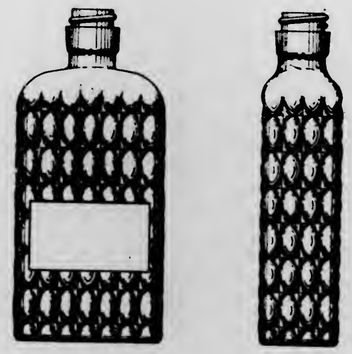
The ornamental design for a shoe heel, as shown.

96,044
DESIGN FOR A PLATTER
Frank J. Mascuch, East Orange, N. J., assignor to Sheffield Silver Co., Jersey City, N. J., a corporation of New York
Application April 15, 1935, Serial No. 56,400
Term of patent 7 years



The ornamental design for a platter as shown and described.

96,045
DESIGN FOR A BOTTLE
Albert C. Meyer, Glenshaw, Pa.
Application March 29, 1935, Serial No. 56,117
Term of patent 7 years



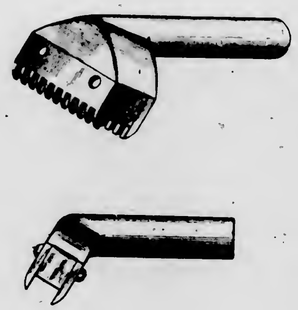
The ornamental design for a bottle, as shown and described.

96,046
DESIGN FOR A RUG
Jens J. Moll and William C. Chapman, Chicago, Ill.
Application March 16, 1935, Serial No. 55,906
Term of patent 7 years



The ornamental design for a rug, as shown and described.

96,047
DESIGN FOR A NOZZLE FOR A SUCTION MACHINE
Clyde S. Morse, Sycamore, Ill.
Application January 19, 1935, Serial No. 54,928
Term of patent 3½ years



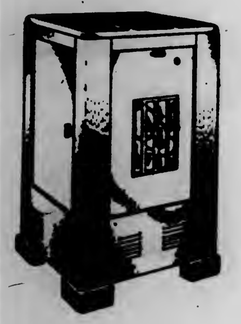
The ornamental design for a nozzle for a suction machine, substantially as shown.

96,048
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Charles Wirt Oldham, Shadyside, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application April 13, 1935, Serial No. 56,344
Term of patent 7 years



The ornamental design for a bowl or similar article as shown.

96,049
DESIGN FOR A HEATER
Ambrose D. Olds, Wichita, Kans.
Application April 6, 1935, Serial No. 56,250
Term of patent 14 years



The ornamental design for a heater substantially as shown.

96,050
DESIGN FOR A COMBINED FLASH LIGHT AND UMBRELLA HANDLE OR SIMILAR ARTICLE
Samuel Osterman, New York, N. Y., assignor to Guth, Stern & Co. Inc.
Application April 13, 1935, Serial No. 56,364
Term of patent 7 years



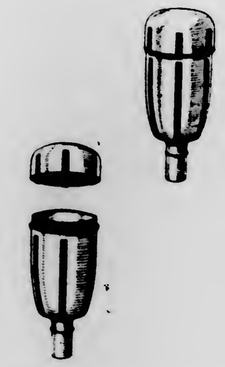
The ornamental design for a combined flash light and umbrella handle or similar article, as shown.

96,051
DESIGN FOR A COMBINED FLASH LIGHT AND UMBRELLA HANDLE OR SIMILAR ARTICLE
Samuel Osterman, New York, N. Y., assignor to Guth, Stern & Co. Inc.
Application April 13, 1935, Serial No. 56,365
Term of patent 7 years



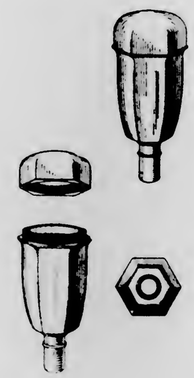
The ornamental design for a combined flash light and umbrella handle or similar article, as shown.

96,052
DESIGN FOR A COMBINED APPAREL HOLDER AND UMBRELLA HANDLE OR SIMILAR ARTICLE
Samuel Osterman, New York, N. Y., assignor to Guth, Stern & Co. Inc.
Application April 13, 1935, Serial No. 56,366
Term of patent 7 years



The ornamental design for a combined apparel holder and umbrella handle or similar article, as shown.

96,053
DESIGN FOR A COMBINED APPAREL HOLDER AND UMBRELLA HANDLE OR SIMILAR ARTICLE
Samuel Osterman, New York, N. Y., assignor to Guth, Stern & Co. Inc.
Application April 13, 1935, Serial No. 56,367
Term of patent 7 years



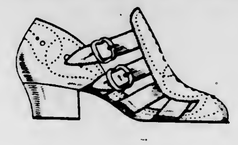
The ornamental design for a combined apparel holder and umbrella handle or similar article, as shown.

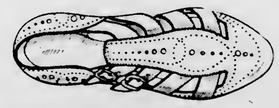
96,054
DESIGN FOR A CRAVAT HOLDER
Joseph O. Pollack, Chicago, Ill.
Application April 1, 1935, Serial No. 56,140
Term of patent 7 years



The ornamental design for a cravat holder, as shown and described.

96,055
DESIGN FOR A SHOE
Rosette Rome, New York, N. Y.
Application May 13, 1935, Serial No. 56,798
Term of patent 3½ years





The ornamental design for a shoe, as shown.

96,056
DESIGN FOR A FINGER RING
Abraham Sager, Chicago, Ill.
Application April 6, 1935, Serial No. 56,237
Term of patent 14 years





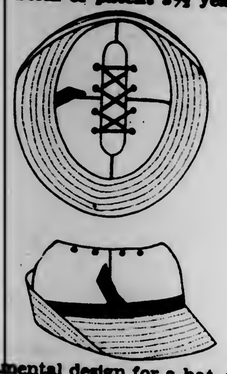
The ornamental design for a finger ring as shown.

96,057
DESIGN FOR A SHOE
Jack Sesco, New York, N. Y.
Application January 21, 1935, Serial No. 54,969
Term of patent 3½ years



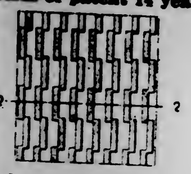
The ornamental design for a shoe as shown and described.

96,058
DESIGN FOR A HAT
Samuel Schoner, New York, N. Y.
Application May 24, 1935, Serial No. 56,995
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

96,059
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Albert Schoenacher, Passaic, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application February 6, 1935, Serial No. 55,275
Term of patent 14 years



The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

96,060
DESIGN FOR A GAME BOARD OR SIMILAR DEVICE
Hyman Schwartz, New York, N. Y.
Application April 15, 1935, Serial No. 56,230
Term of patent 7 years



The ornamental design for a game board or similar device, as shown.

96,061
DESIGN FOR AN ELECTRON DISCHARGE DEVICE
Terry M. Shrader, West Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corperation of Delaware
Application April 20, 1935, Serial No. 56,477
Term of patent 14 years



The ornamental design for an electron discharge device substantially as shown.

96,062
DESIGN FOR AN ELECTRON DISCHARGE DEVICE
Newell R. Smith, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 20, 1935, Serial No. 56,478
Term of patent 14 years



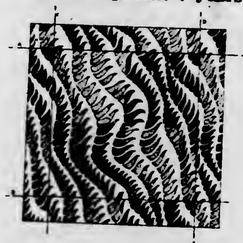
The ornamental design for an electron discharge device substantially as shown.

96,063
DESIGN FOR A BUTTON
George T. Thorne, Detroit, Mich., assignor to Universal Button Fastening & Button Company, Detroit, Mich., a corporation of Michigan
Application April 24, 1935, Serial No. 56,529
Term of patent 3½ years



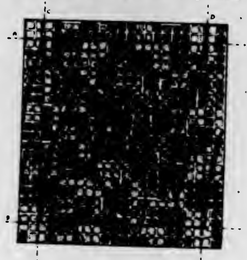
The ornamental design for a button as shown.

96,064
DESIGN FOR A CARPET
John S. Travis, Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 10, 1935, Serial No. 56,301
Term of patent 7 years



The ornamental design for a carpet, substantially as shown and described.

96,065
DESIGN FOR A CARPET
John S. Travis, Long Island City, N. Y., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 11, 1935, Serial No. 56,325
Term of patent 7 years



The ornamental design for a carpet, substantially as shown and described.

96,066
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 11, 1935, Serial No. 56,786
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

96,067
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 22, 1935, Serial No. 56,958
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

96,068
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 22, 1935, Serial No. 56,959
Term of patent 3½ years



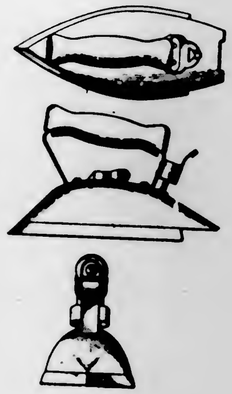
The ornamental design for a shoe, substantially as shown.

96,069
DESIGN FOR A RUG
Ignatius J. Vetter, New York, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., a corporation of Massachusetts
Application April 6, 1935, Serial No. 56,242
Term of patent 14 years



The ornamental design for a rug, substantially as shown and described.

96,070
DESIGN FOR AN ELECTRIC FLATIRON
Gilbert Waage, Chicago, Ill.
Application April 27, 1935, Serial No. 56,604
Term of patent 3½ years



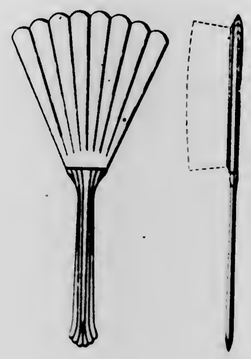
The ornamental design for an electric flatiron, substantially as shown.

96,071
DESIGN FOR A RAZOR BLADE SHARPENER
Albert F. Weiss, University City, Mo.
Application March 30, 1935, Serial No. 56,131
Term of patent 14 years



The ornamental design for a razor blade sharpener, as shown and described.

96,072
DESIGN FOR A BRUSH OR SIMILAR ARTICLE
Albert Wewetser, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application April 22, 1935, Serial No. 56,493
Term of patent 7 years



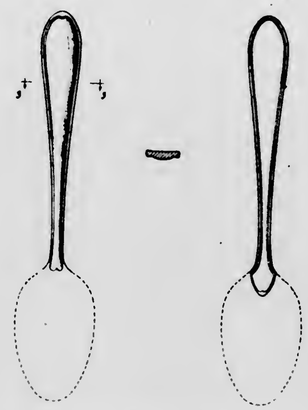
The ornamental design for a brush or similar article, as shown and described.

96,073
DESIGN FOR A VANITY CASE
Albert Wewetser, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application May 2, 1935, Serial No. 56,659
Term of patent 7 years



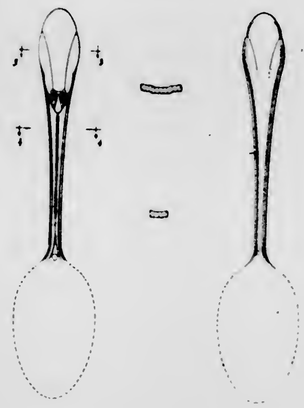
The ornamental design for a vanity case, as shown.

96,074
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
F Russell Woodward, Attleboro, Mass., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application May 9, 1935, Serial No. 56,758
Term of patent 14 years



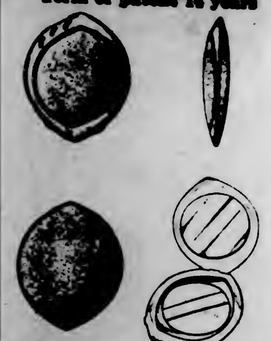
The ornamental design for a spoon or other article of flatware substantially as shown.

96,075
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
F Russell Woodward, Attleboro, Mass., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application May 9, 1935, Serial No. 56,759
Term of patent 14 years



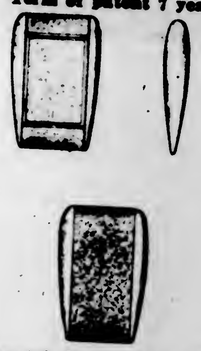
The ornamental design for a spoon or other article of flatware substantially as shown.

96,676
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
David H. Zell, Brooklyn, N. Y.
Application May 2, 1935, Serial No. 56,667
Term of patent 14 years



The ornamental design for a vanity case or similar article, substantially as shown.

96,677
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
David H. Zell, Brooklyn, N. Y.
Application May 2, 1935, Serial No. 56,668
Term of patent 7 years



The ornamental design for a vanity case or similar article, substantially as shown.

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